

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120920\
 Data File : VD067920.D
 Acq On : 09 Dec 2020 11:37
 Operator : VA/SY
 Sample : VD1209SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

Manual Integrations
 APPROVED

Quant Time: Dec 10 03:33:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	201452	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	284665	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	259827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	136044	50.00	ug/l	0.00

System Monitoring Compounds

MMDadoda

33) 1,2-Dichloroethane-d4	8.34	65	99233	45.88	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.76%
35) Dibromofluoromethane	7.92	113	88101	46.25	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.50%
50) Toluene-d8	10.34	98	319664	46.62	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.24%
62) 4-Bromofluorobenzene	12.64	95	119797	50.53	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.06%

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Target Compounds

Qvalue

2) Dichlorodifluoromethane	1.99	85	32556	18.570	ug/l	95
3) Chloromethane	2.21	50	18546	18.330	ug/l	92
4) Vinyl Chloride	2.36	62	23357	18.330	ug/l	95
5) Bromomethane	2.77	94	24481	21.521	ug/l	95
6) Chloroethane	2.93	64	17258	20.801	ug/l	99
7) Trichlorofluoromethane	3.28	101	76945	19.733	ug/l	96
8) Diethyl Ether	3.71	74	15755	20.730	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.10	101	35500	19.965	ug/l	97
10) Methyl Iodide	4.30	142	32147	17.057	ug/l	96
11) Tert butyl alcohol	5.21	59	15726m	109.080	ug/l	
12) 1,1-Dichloroethene	4.07	96	31495	18.867	ug/l	95
13) Acrolein	3.92	56	5357	64.458	ug/l	100
14) Allyl chloride	4.73	41	28140	18.222	ug/l	90
15) Acrylonitrile	5.42	53	24737	93.870	ug/l	94
16) Acetone	4.16	43	21227	79.430	ug/l #	84
17) Carbon Disulfide	4.41	76	82700	17.744	ug/l	98
18) Methyl Acetate	4.71	43	9360m	18.200	ug/l	
19) Methyl tert-butyl Ether	5.48	73	70761	19.796	ug/l	95
20) Methylene Chloride	4.98	84	41021	21.343	ug/l	94
21) trans-1,2-Dichloroethene	5.48	96	36642	19.290	ug/l	96
22) Diisopropyl ether	6.37	45	59827	19.262	ug/l	96
23) Vinyl Acetate	6.31	43	166429	96.318	ug/l	99
24) 1,1-Dichloroethane	6.27	63	53166	19.527	ug/l	98
25) 2-Butanone	7.21	43	24385	86.753	ug/l	89
26) 2,2-Dichloropropane	7.21	77	65840	20.279	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	40922	19.696	ug/l	97
28) Bromochloromethane	7.54	49	15314	17.715	ug/l	96
29) Tetrahydrofuran	7.57	42	14149	88.406	ug/l	93
30) Chloroform	7.71	83	70266	19.311	ug/l	92
31) Cyclohexane	7.99	56	40762	17.890	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	78031	20.316	ug/l	97
36) 1,1-Dichloropropene	8.11	75	48478	19.672	ug/l	96
37) Ethyl Acetate	7.30	43	12651	19.048	ug/l	96
38) Carbon Tetrachloride	8.10	117	77235	20.714	ug/l	91

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Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	55280	18.929	ug/l	98
40) Benzene	8.36	78	132267	19.615	ug/l	98
41) Methacrylonitrile	7.53	41	7066m	19.689	ug/l	
42) 1,2-Dichloroethane	8.43	62	48444	20.158	ug/l	99
43) Isopropyl Acetate	8.46	43	23910	18.296	ug/l	97
44) Trichloroethene	9.11	130	46231	19.941	ug/l	99 MMDadoda
45) 1,2-Dichloropropane	9.38	63	24875	17.974	ug/l	98
46) Dibromomethane	9.48	93	19294	20.051	ug/l	97
47) Bromodichloromethane	9.67	83	55309	20.162	ug/l	100
48) Methyl methacrylate	9.46	41	11682	17.604	ug/l	94
49) 1,4-Dioxane	9.47	88	3794	345.061	ug/l	90 12/10/2020 10:19:29 AM
51) 4-Methyl-2-Pentanone	10.23	43	56659	91.606	ug/l	98
52) Toluene	10.41	92	94962	20.143	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	46070	19.458	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	50236	19.506	ug/l	90
55) 1,1,2-Trichloroethane	10.81	97	23876	18.131	ug/l	94
56) Ethyl methacrylate	10.67	69	24717	18.448	ug/l	99
57) 1,3-Dichloropropane	10.95	76	38584	18.497	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.95	63	52252	85.706	ug/l	92
59) 2-Hexanone	10.99	43	38463	88.215	ug/l	97
60) Dibromochloromethane	11.14	129	39925	20.113	ug/l	97
61) 1,2-Dibromoethane	11.25	107	24662	19.044	ug/l	96
64) Tetrachloroethene	10.88	164	42903	20.243	ug/l	88
65) Chlorobenzene	11.67	112	107796	20.107	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	43665	19.969	ug/l	96
67) Ethyl Benzene	11.75	91	184927	20.249	ug/l	100
68) m/p-Xylenes	11.86	106	151377	42.036	ug/l	97
69) o-Xylene	12.18	106	67562	21.133	ug/l	100
70) Styrene	12.20	104	115931	20.854	ug/l	98
71) Bromoform	12.37	173	22820	19.715	ug/l #	93
73) Isopropylbenzene	12.48	105	191127	20.429	ug/l	99
74) N-amyl acetate	12.29	43	20766	17.944	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	22345	18.090	ug/l	95
76) 1,2,3-Trichloropropane	12.78	75	18535m	18.709	ug/l	
77) Bromobenzene	12.77	156	47138	20.267	ug/l	98
78) n-propylbenzene	12.83	91	213027	20.544	ug/l	99
79) 2-Chlorotoluene	12.91	91	121078	19.848	ug/l	96
80) 1,3,5-Trimethylbenzene	12.97	105	170927	21.102	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	7717	18.633	ug/l	95
82) 4-Chlorotoluene	13.01	91	135297	20.792	ug/l	100
83) tert-Butylbenzene	13.23	119	148198	21.500	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	168084	20.868	ug/l	98
85) sec-Butylbenzene	13.41	105	188163	20.452	ug/l	99
86) p-Isopropyltoluene	13.52	119	187895	20.839	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	93100	20.750	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	88891	19.804	ug/l	98
89) n-Butylbenzene	13.85	91	151750	20.258	ug/l	99
90) Hexachloroethane	14.11	117	33883	20.354	ug/l	94
91) 1,2-Dichlorobenzene	13.89	146	78133	20.079	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.51	75	4745	18.407	ug/l	88

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Instrument :
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ClientSampleId :
VD1209SBSD01

Manual Integrations
APPROVED

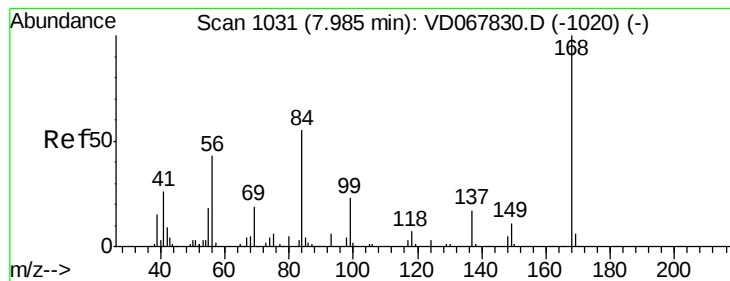
Quant Time: Dec 10 03:33:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 02 08:05:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	57862	21.258	ug/l	96
94) Hexachlorobutadiene	15.27	225	37453	21.087	ug/l	98
95) Naphthalene	15.40	128	87831	19.830	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	49918	21.236	ug/l	98

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067920.D

Acq: 09 Dec 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

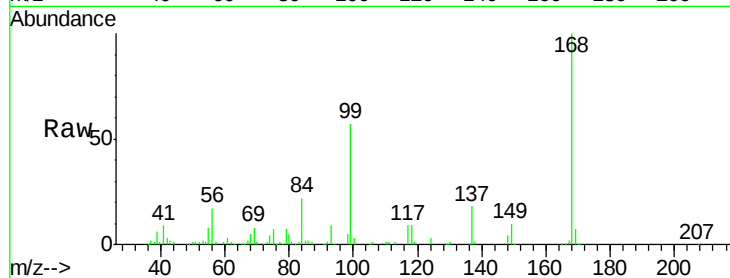
Tot Ion:168 Resp: 201452

Ion Ratio Lower Upper

168 100

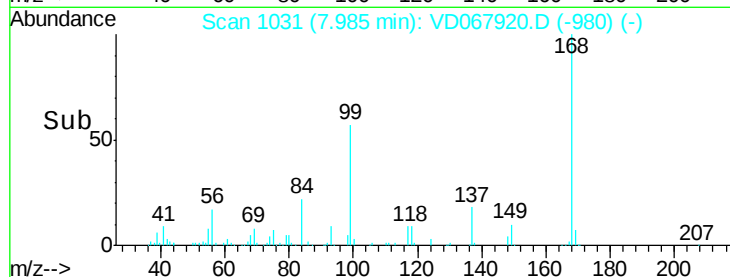
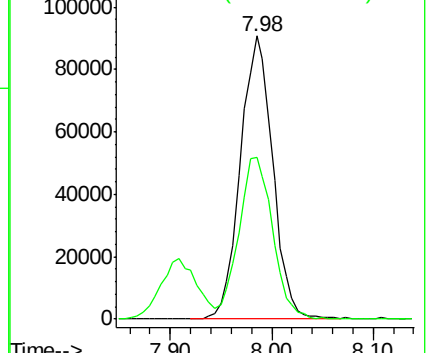
99 56.6 47.1 70.7

Manual Integrations
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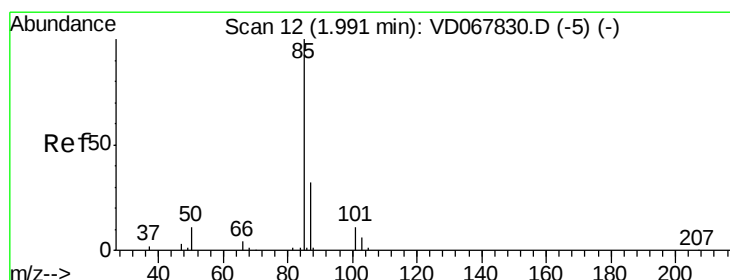
Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



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#2

Dichlorodifluoromethane

Concen: 18.570 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067920.D

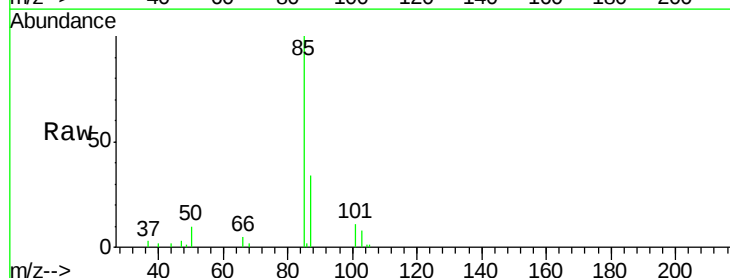
Acq: 09 Dec 2020 11:37

Tgt Ion: 85 Resp: 32556

Ion Ratio Lower Upper

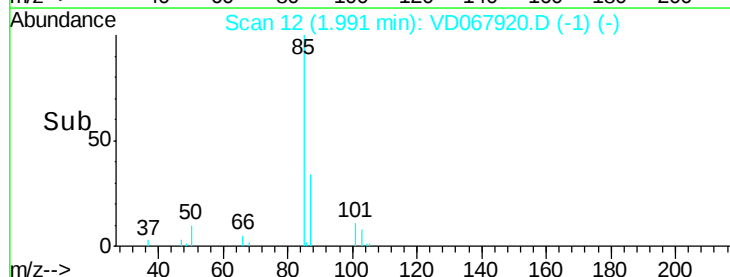
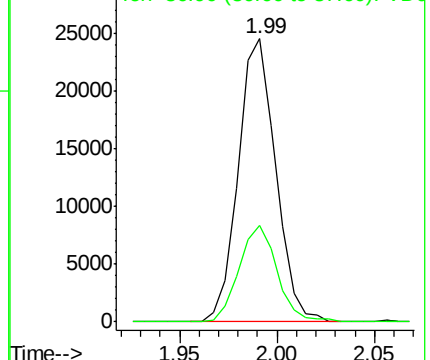
85 100

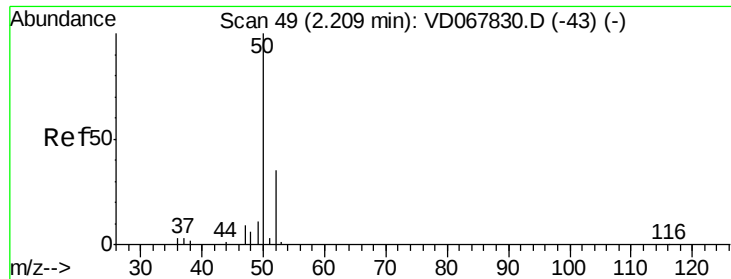
87 34.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.330 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067920.D

Acq: 09 Dec 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

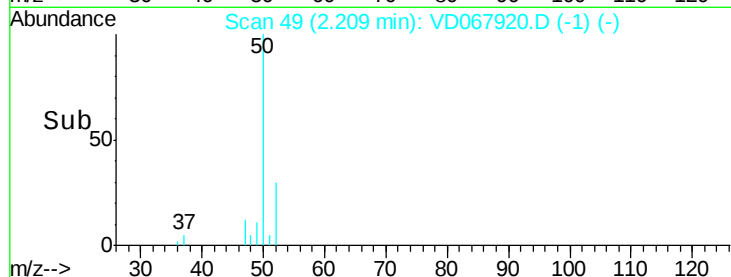
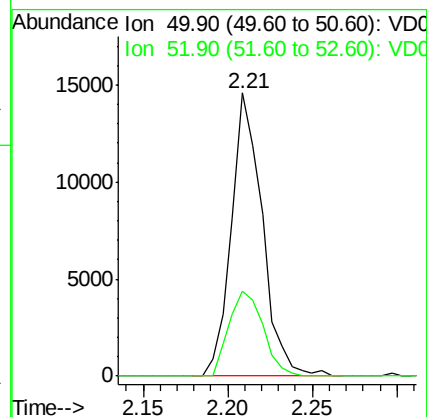
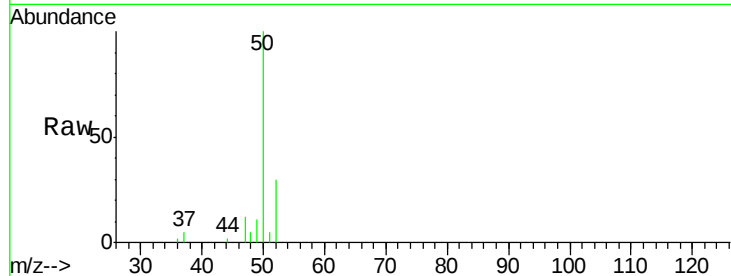
Tot Ion: 50 Resp: 18546

Ion Ratio Lower Upper

50 100

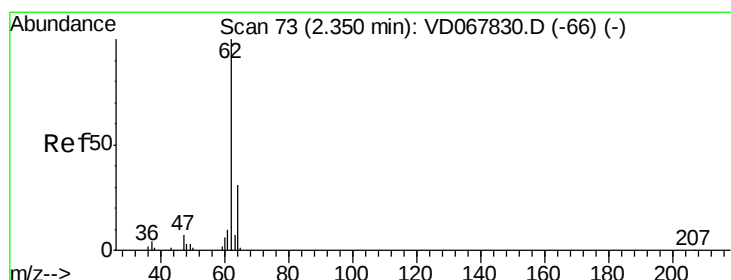
52 30.2 27.8 41.6

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.330 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD067920.D

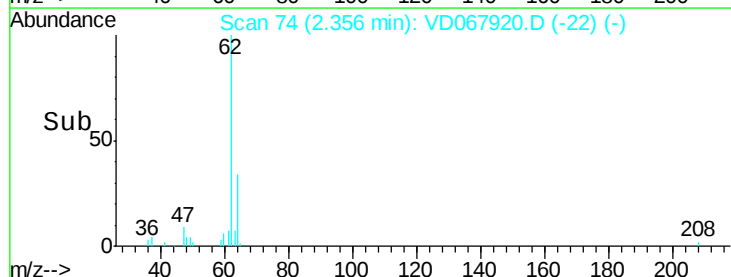
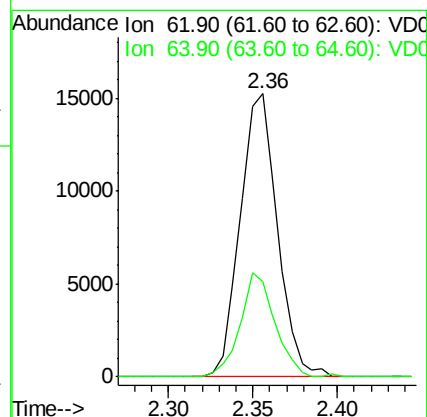
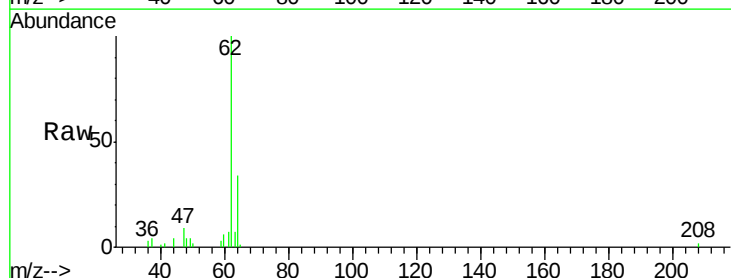
Acq: 09 Dec 2020 11:37

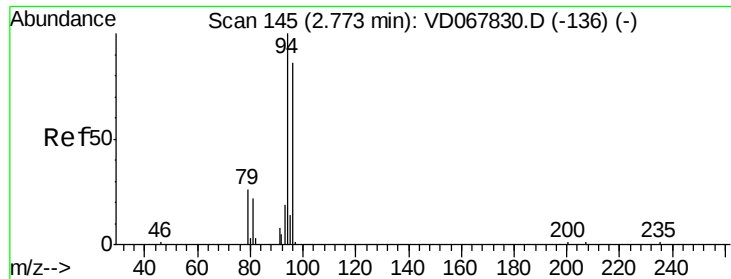
Tgt Ion: 62 Resp: 23357

Ion Ratio Lower Upper

62 100

64 33.6 24.5 36.7





#5

Bromomethane

Concen: 21.521 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067920.D

Acq: 09 Dec 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

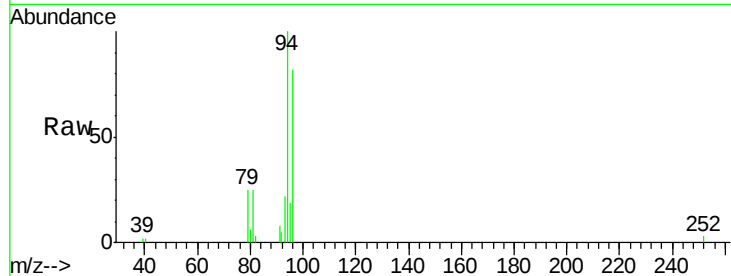
Tot Ion: 94 Resp: 24481

Ion Ratio Lower Upper

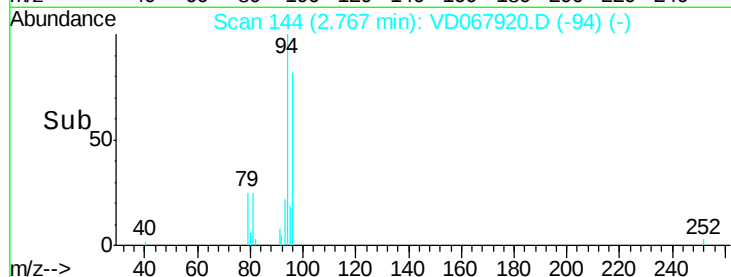
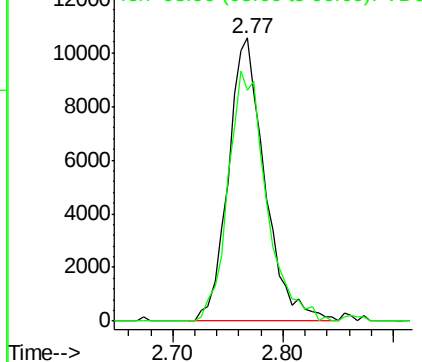
94 100

96 81.8 68.7 103.1

Manual Integrations
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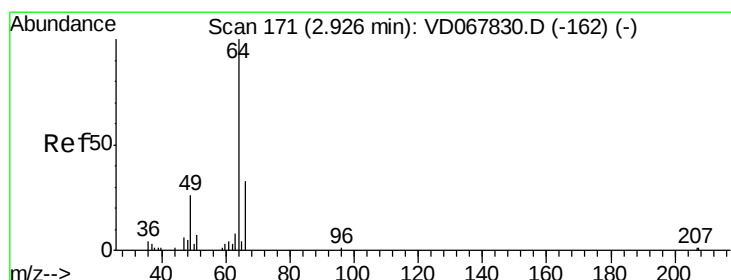


Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



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#6

Chloroethane

Concen: 20.801 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD067920.D

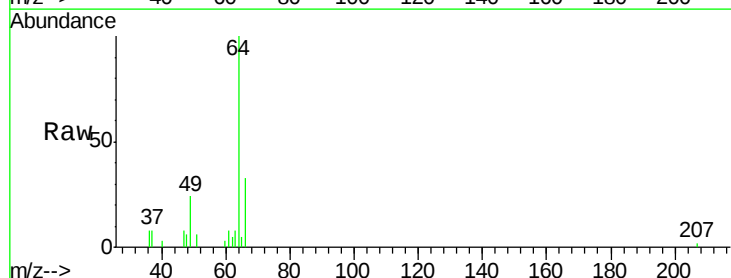
Acq: 09 Dec 2020 11:37

Tgt Ion: 64 Resp: 17258

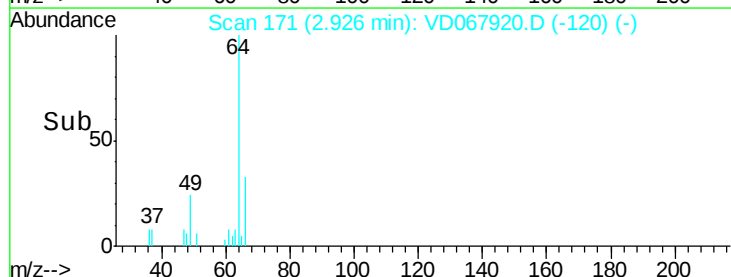
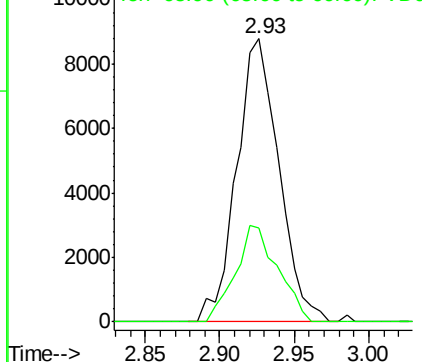
Ion Ratio Lower Upper

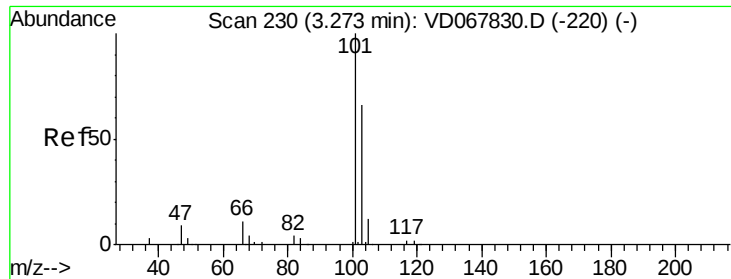
64 100

66 33.3 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC





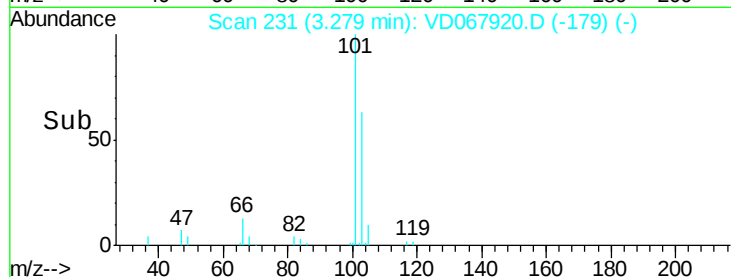
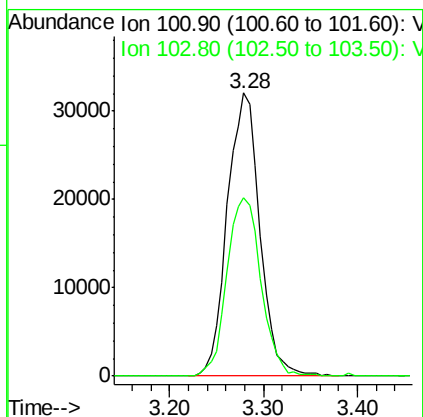
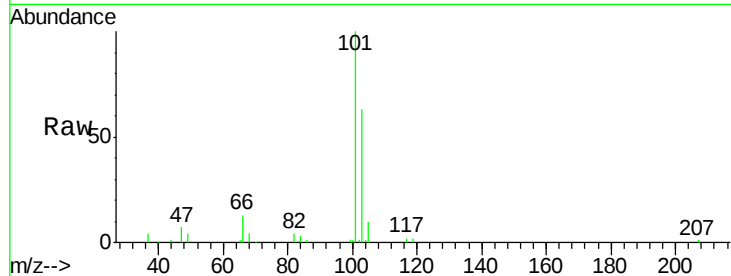
#7

Trichlorofluoromethane
Concen: 19.733 ug/l
RT: 3.28 min Scan# 231
Delta R.T. 0.01 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

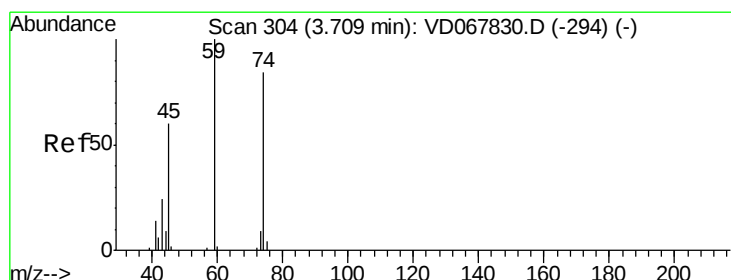
Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	53.0	79.6

Manual Integrations
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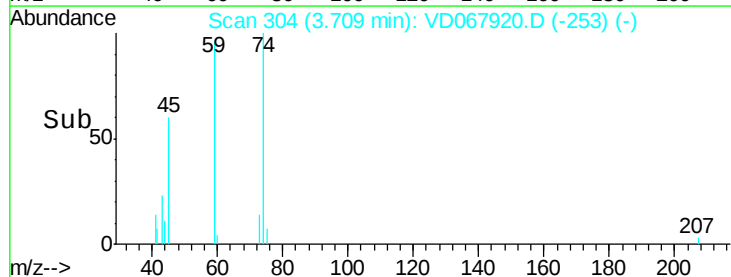
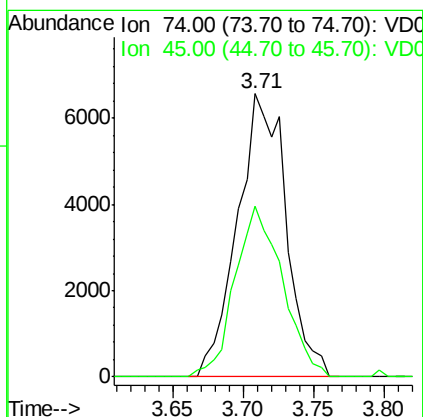
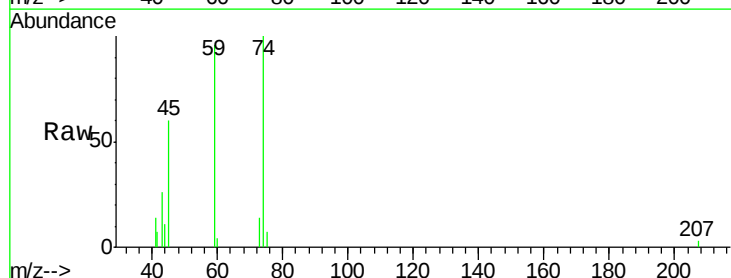
12/10/2020 10:19:29 AM

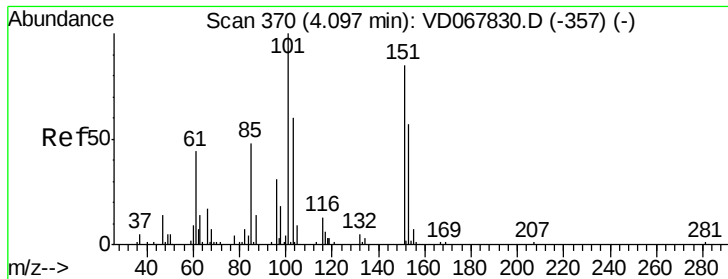


#8

Diethyl Ether
Concen: 20.730 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	59.1	33.9	101.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.965 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067920.D

Acq: 09 Dec 2020 11:37

Instrument :

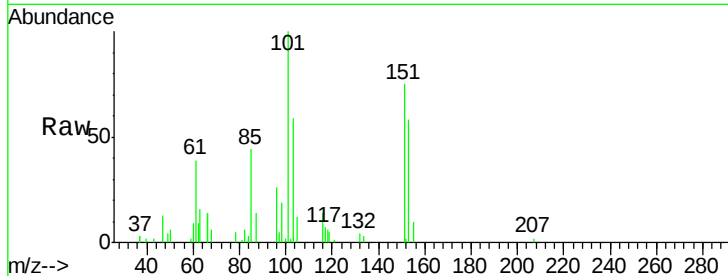
MSVOA_D

ClientSampleId :

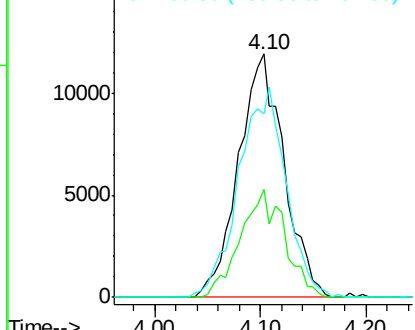
VD1209SBS01

Tot Ion:	101	Resp:	35500
Ion Ratio	Lower	Upper	
101	100		
85	43.1	36.2	54.4
151	89.6	69.4	104.2

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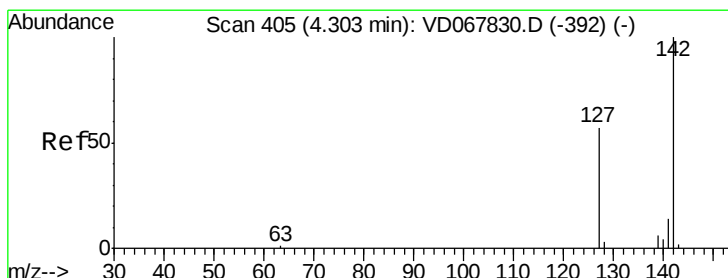
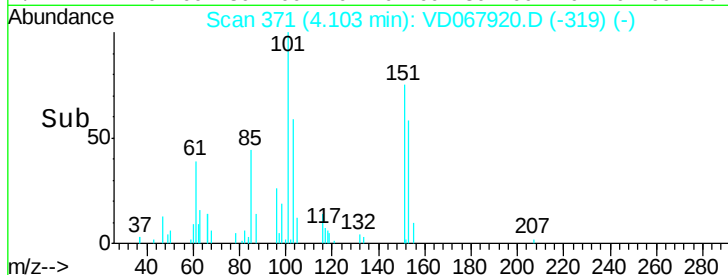


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



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#10

Methyl Iodide

Concen: 17.057 ug/l

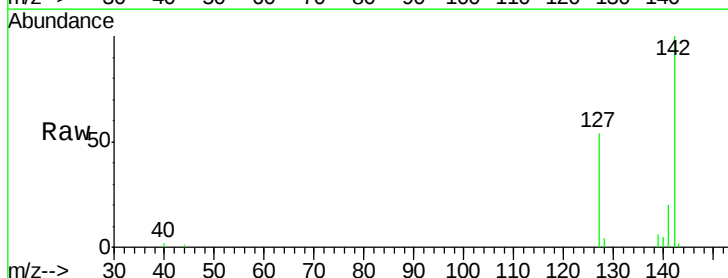
RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

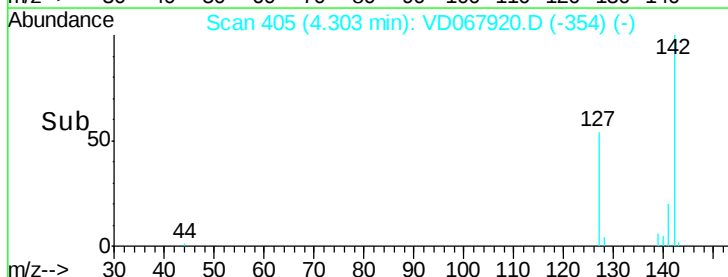
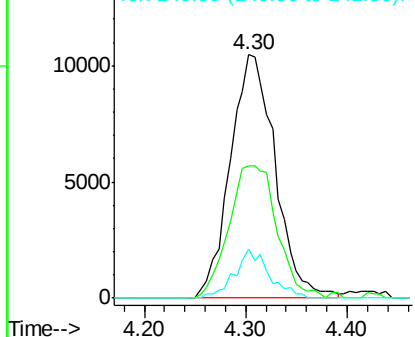
Lab File: VD067920.D

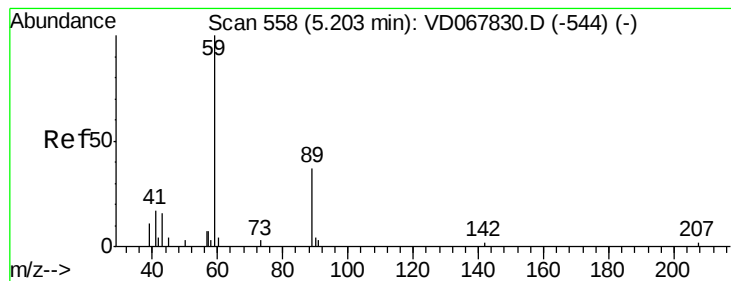
Acq: 09 Dec 2020 11:37

Tgt Ion:	142	Resp:	32147
Ion Ratio	Lower	Upper	
142	100		
127	58.2	43.9	65.9
141	15.5	12.2	18.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





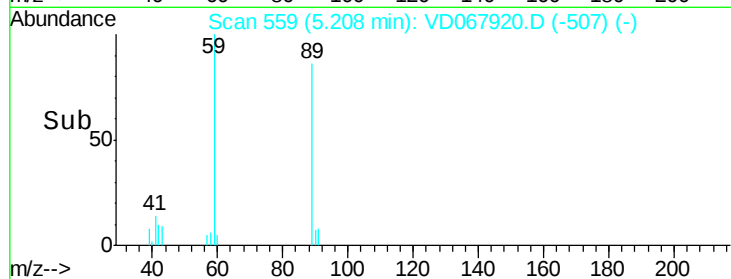
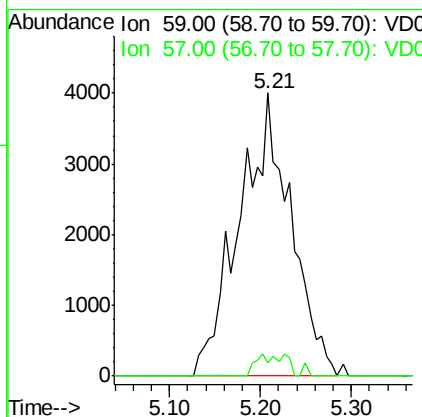
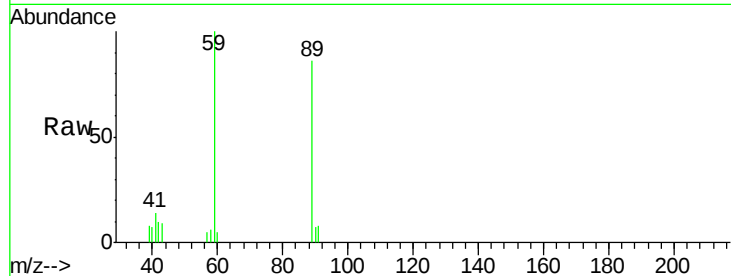
#11

Tert butyl alcohol
Concen: 109.080 ug/l m
RT: 5.21 min Scan# 559
Delta R.T. 0.01 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

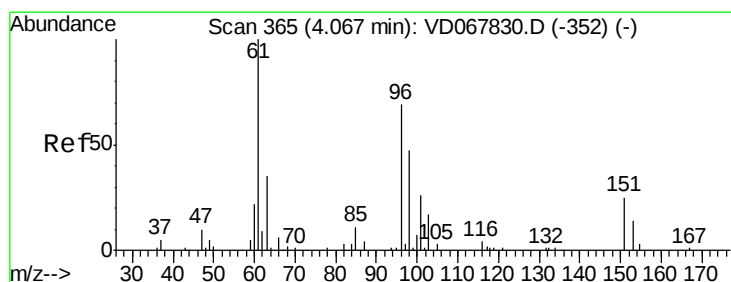
Tot Ion: 59 Resp: 15726
Ion Ratio Lower Upper
59 100
57 2.0 7.7 11.5#

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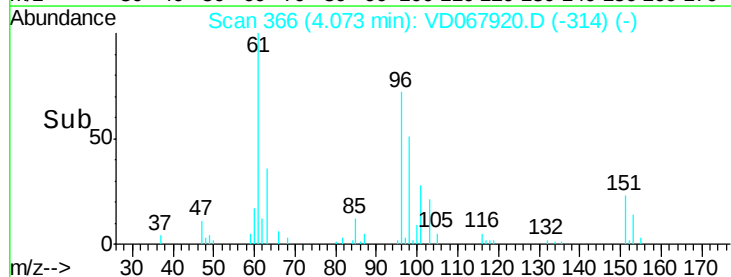
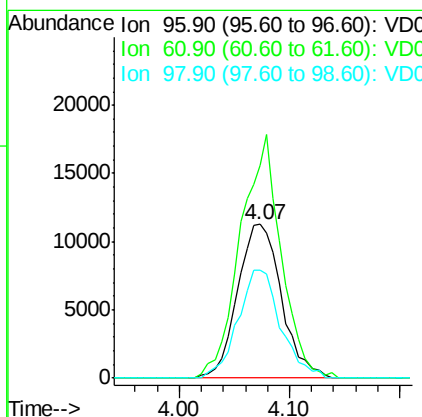
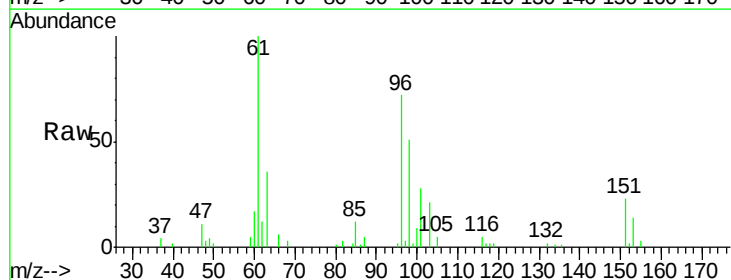
12/10/2020 10:19:29 AM

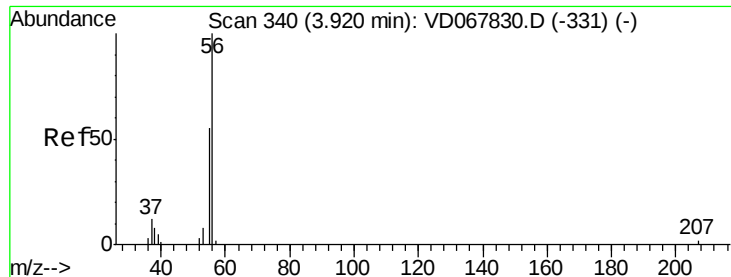


#12

1,1-Dichloroethene
Concen: 18.867 ug/l
RT: 4.07 min Scan# 366
Delta R.T. 0.01 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Tgt Ion: 96 Resp: 31495
Ion Ratio Lower Upper
96 100
61 138.3 116.1 174.1
98 70.3 54.6 82.0





#13

Acrolein

Concen: 64.458 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067920.D

Acq: 09 Dec 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

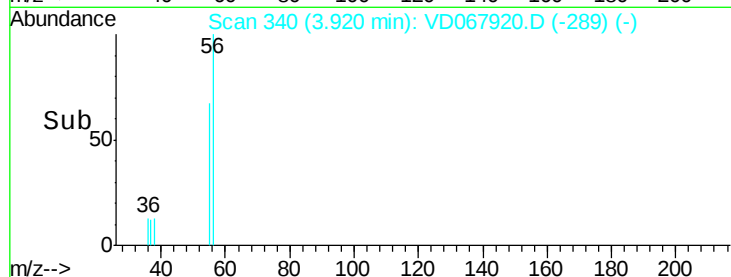
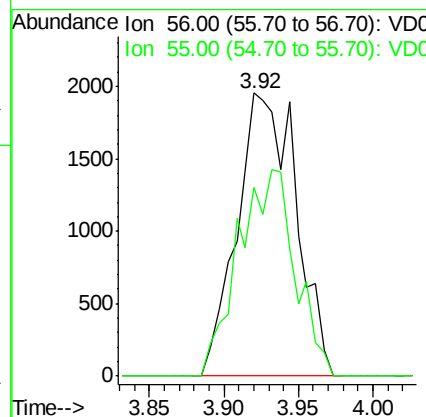
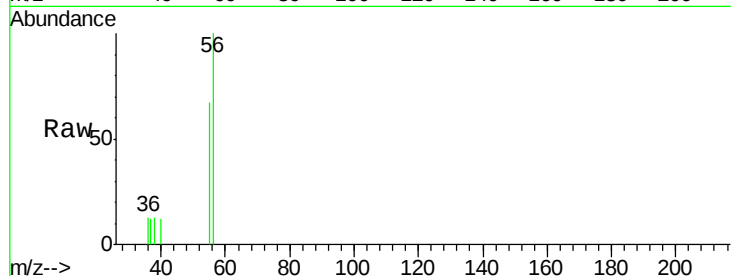
Tot Ion: 56 Resp: 5357

Ion Ratio Lower Upper

56 100

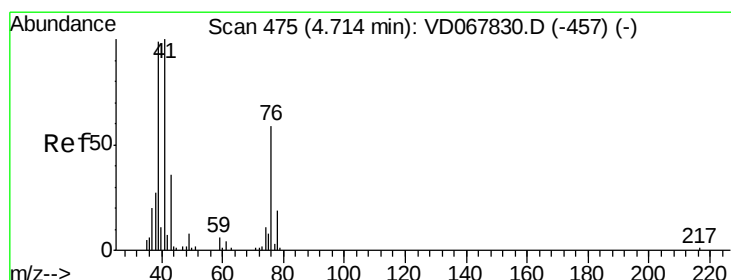
55 70.3 56.5 84.7

Manual Integrations
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#14

Allyl chloride

Concen: 18.222 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD067920.D

Acq: 09 Dec 2020 11:37

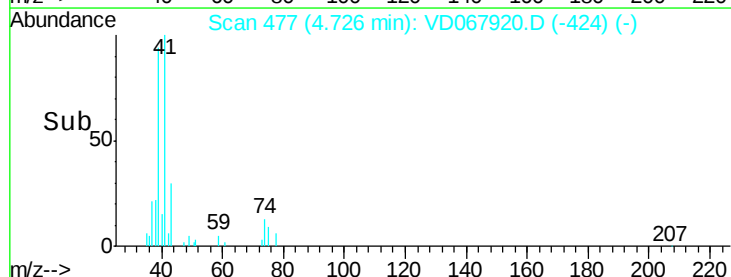
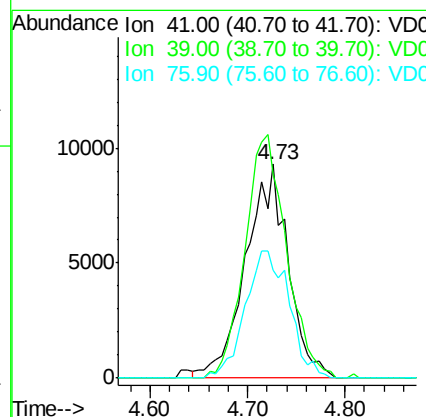
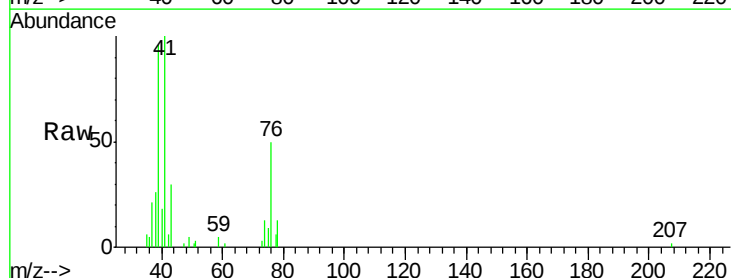
Tgt Ion: 41 Resp: 28140

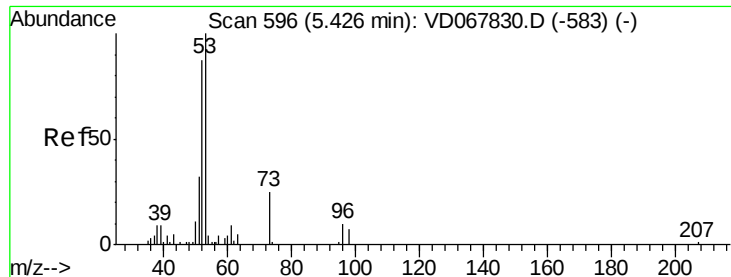
Ion Ratio Lower Upper

41 100

39 111.7 79.0 118.6

76 61.7 46.6 70.0





#15

Acrylonitrile

Concen: 93.870 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067920.D

Acq: 09 Dec 2020 11:37

Instrument :

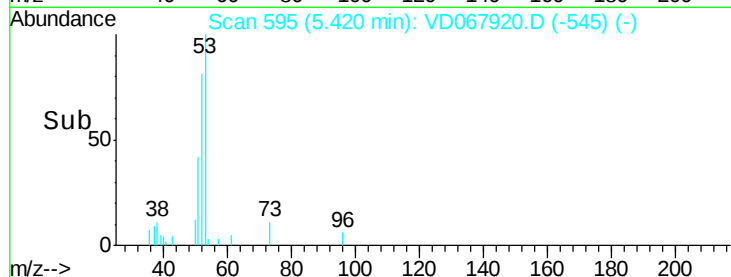
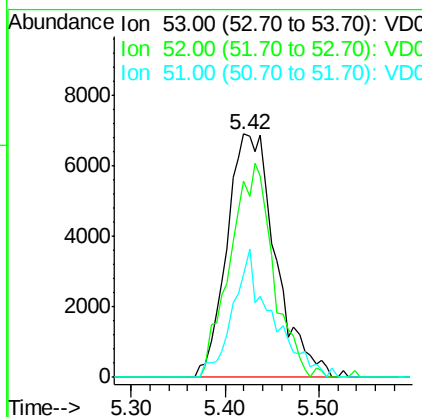
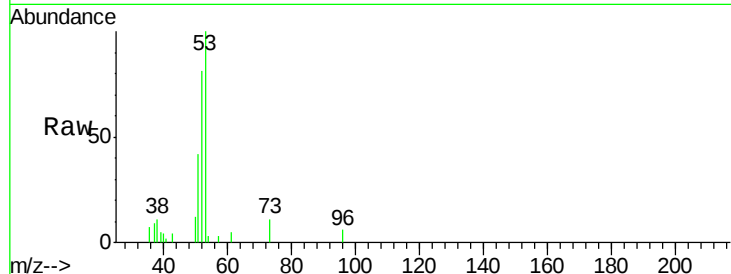
MSVOA_D

ClientSampleId :

VD1209SBS01

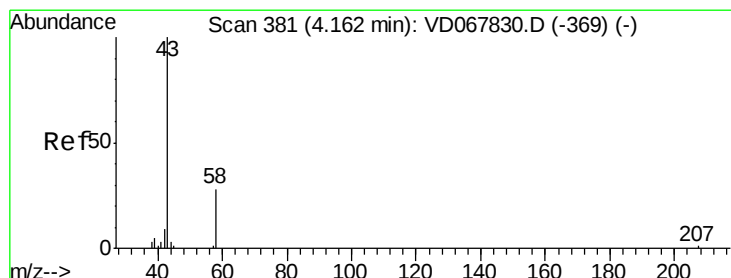
Tot Ion:	53	Resp:	24737
Ion	Ratio	Lower	Upper
53	100		
52	77.5	66.2	99.2
51	42.1	31.1	46.7

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#16

Acetone

Concen: 79.430 ug/l

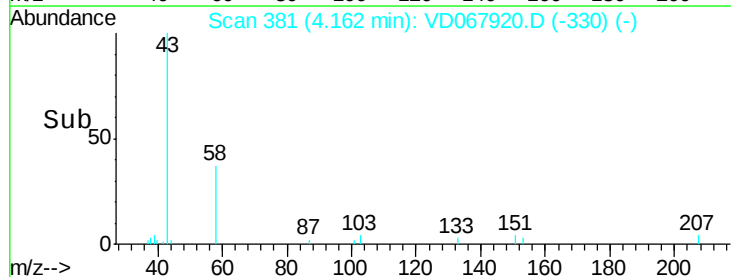
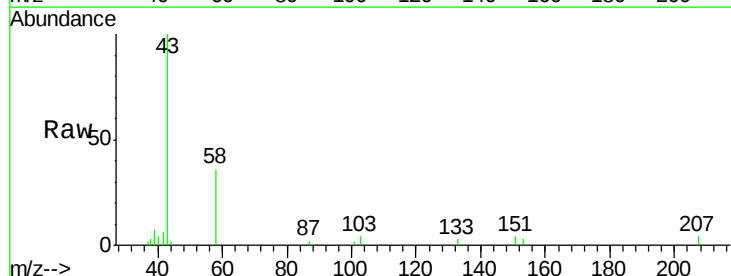
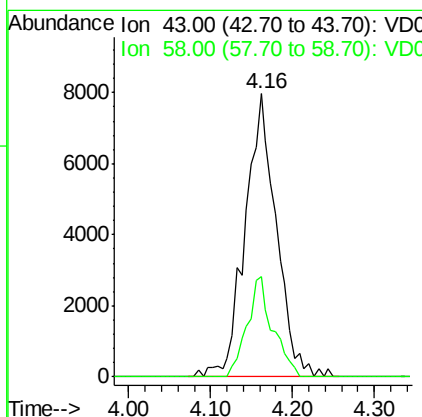
RT: 4.16 min Scan# 381

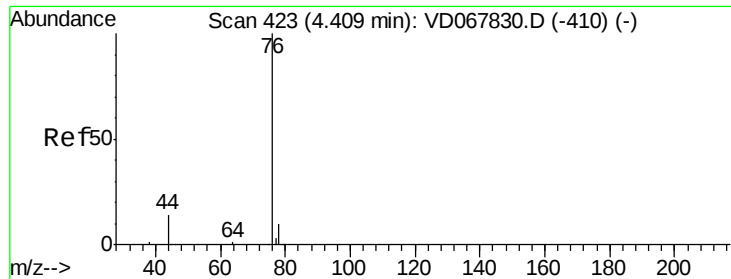
Delta R.T. 0.00 min

Lab File: VD067920.D

Acq: 09 Dec 2020 11:37

Tgt Ion:	43	Resp:	21227
Ion	Ratio	Lower	Upper
43	100		
58	35.6	21.9	32.9#



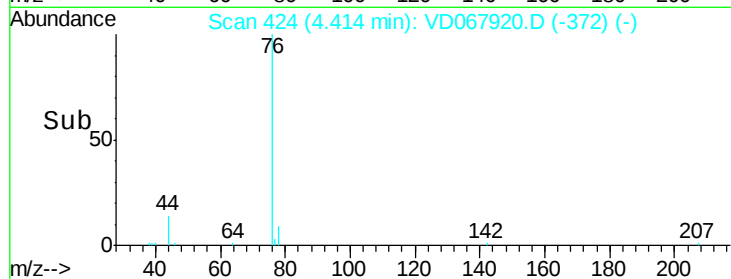
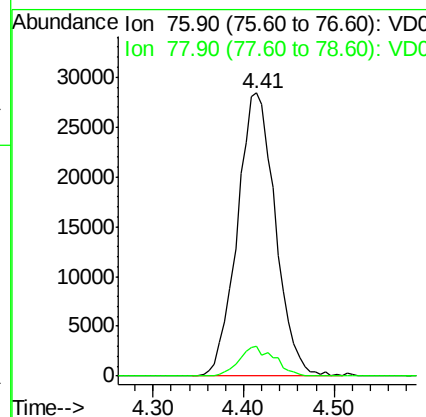
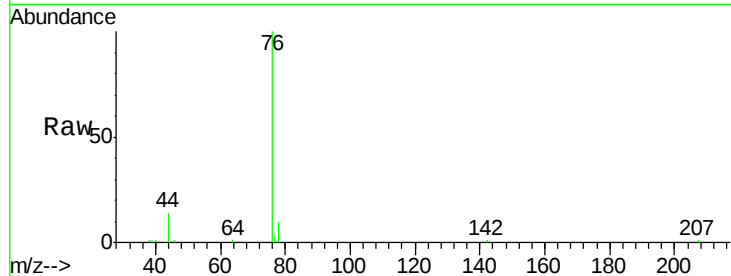


#17
Carbon Disulfide
Concen: 17.744 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.01 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

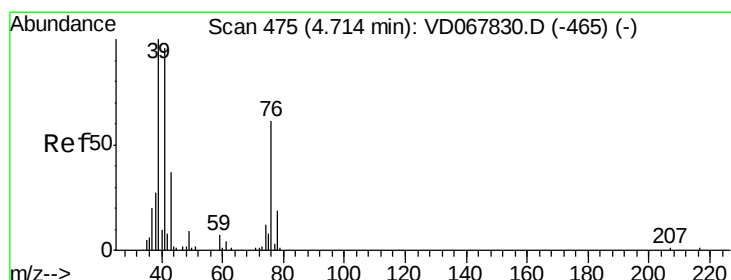
Tot Ion: 76 Resp: 82700
Ion Ratio Lower Upper
76 100
78 10.4 7.8 11.6

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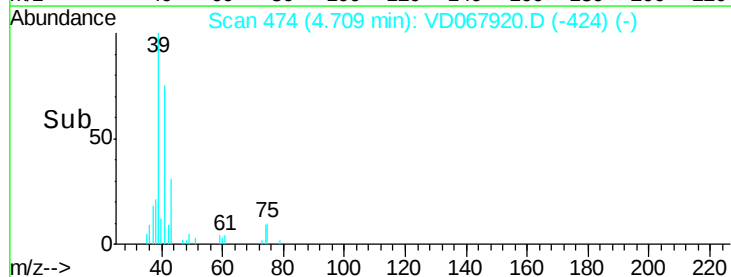
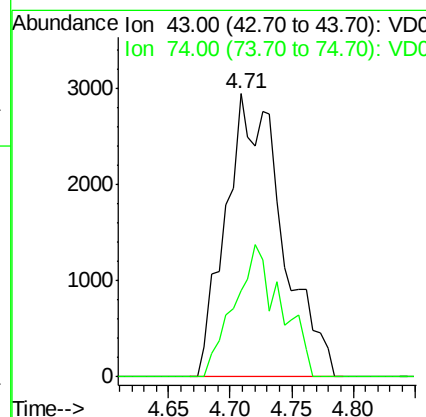
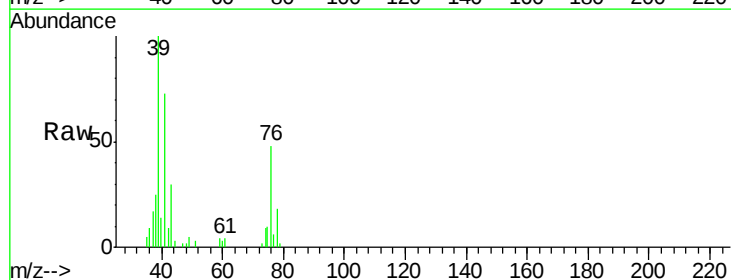
MMDadoda

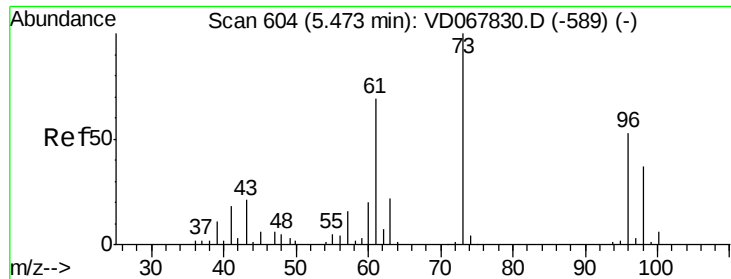
12/10/2020 10:19:29 AM



#18
Methyl Acetate
Concen: 18.200 ug/l m
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Tgt Ion: 43 Resp: 9360
Ion Ratio Lower Upper
43 100
74 38.6 27.0 40.4



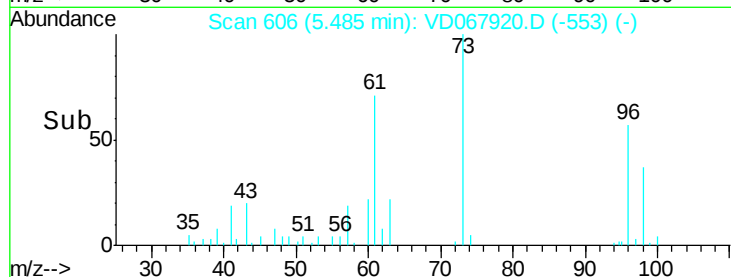
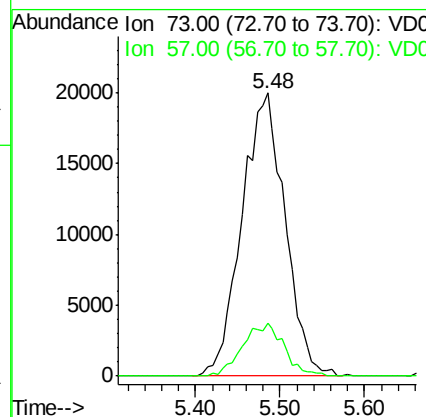
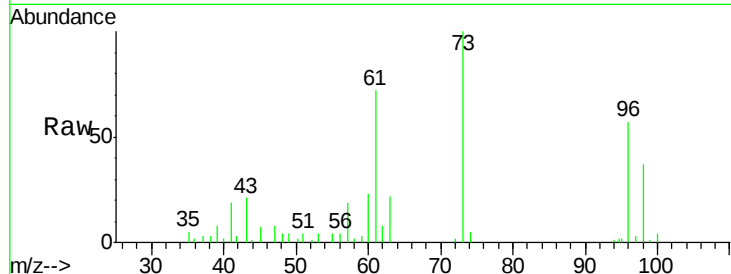


#19
Methvl tert-butvl Ether
Concen: 19.796 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

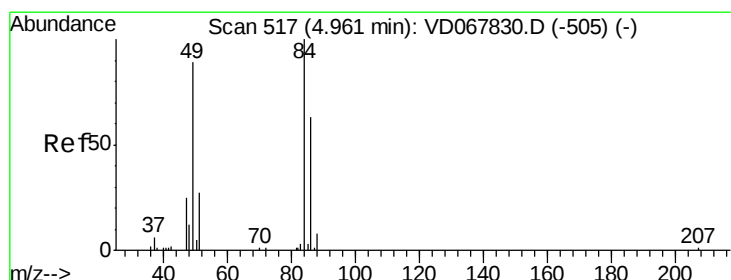
Tot Ion: 73 Resp: 70761
Ion Ratio Lower Upper
73 100
57 18.8 13.2 19.8

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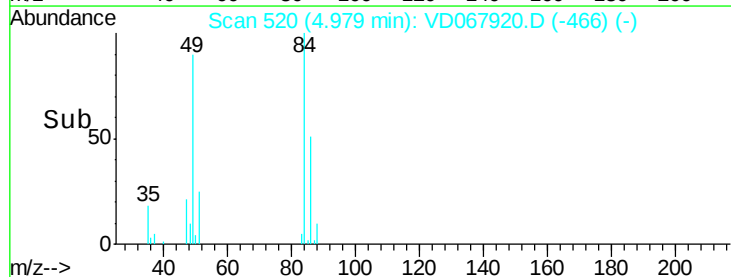
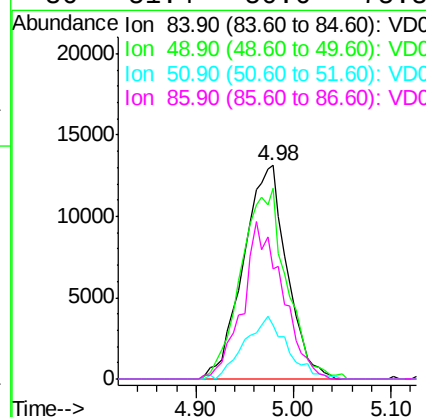
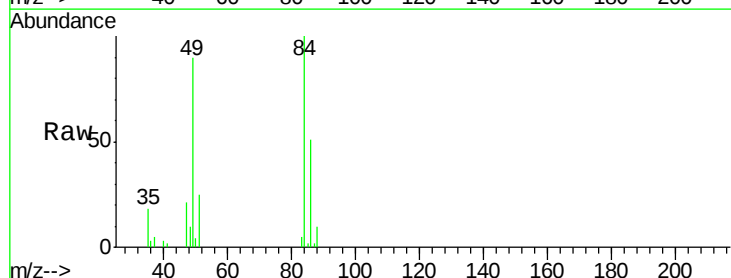
MMDadoda

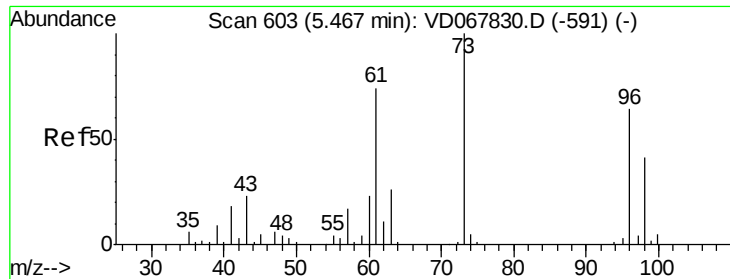
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#20
Methylene Chloride
Concen: 21.343 ug/l
RT: 4.98 min Scan# 520
Delta R.T. 0.02 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Tgt Ion: 84 Resp: 41021
Ion Ratio Lower Upper
84 100
49 89.5 71.4 107.0
51 25.4 21.8 32.8
86 51.4 50.6 75.8



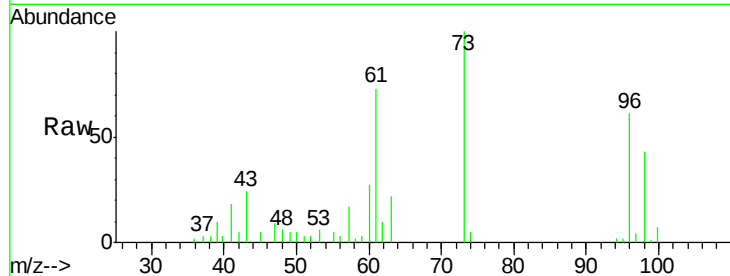


#21
trans-1,2-Dichloroethene
Concen: 19.290 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

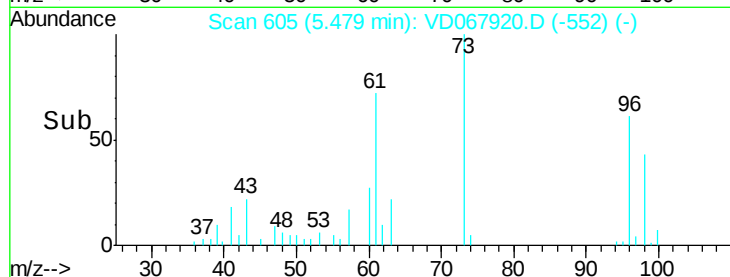
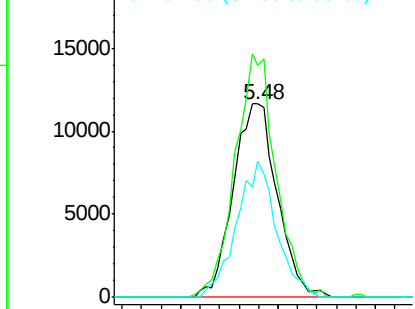
Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	120.2	93.1	139.7
98	70.2	52.2	78.2

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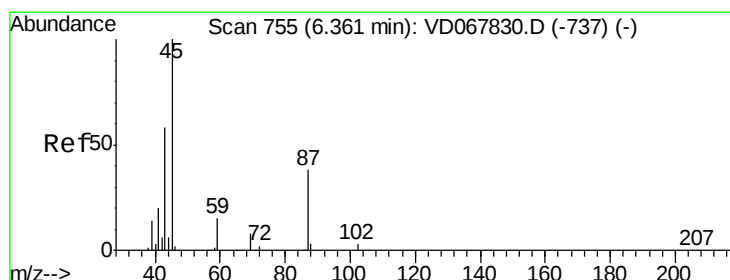


Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



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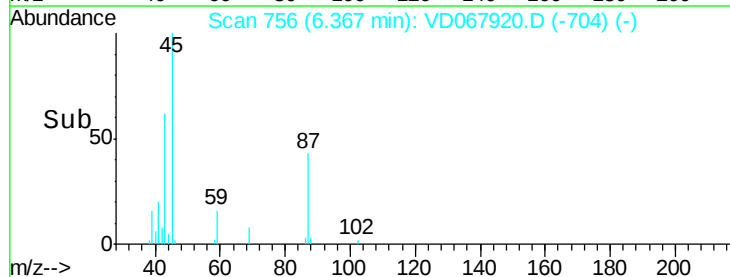
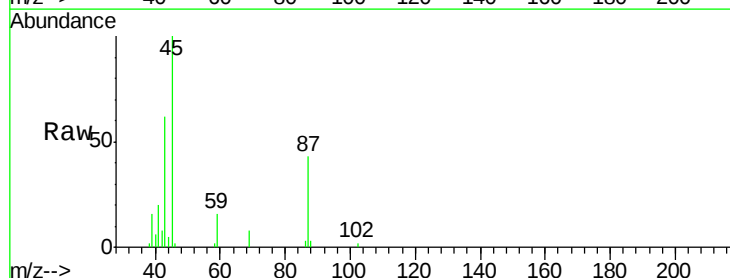
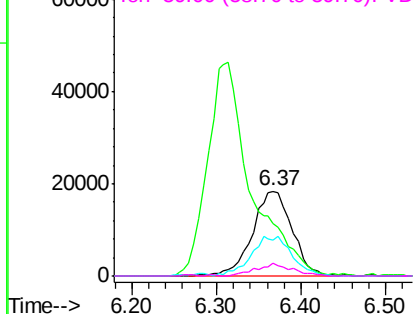
12/10/2020 10:19:29 AM

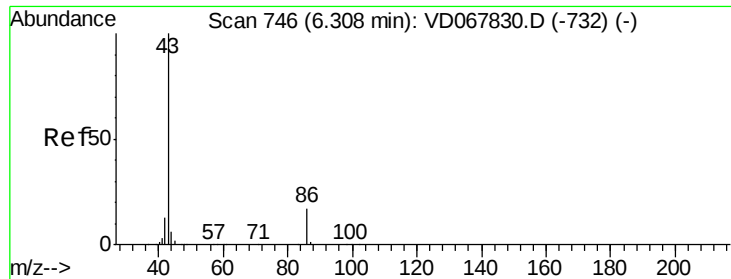


#22
Diisopropyl ether
Concen: 19.262 ug/l
RT: 6.37 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.6	49.8	74.6
87	42.9	32.1	48.1
59	15.7	11.9	17.9

Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 96.318 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD067920.D

Acq: 09 Dec 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

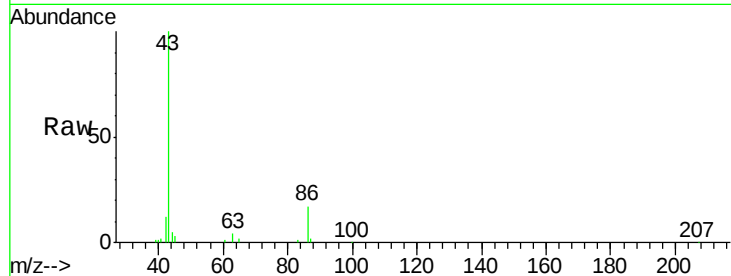
Tot Ion: 43 Resp: 166429

Ion Ratio Lower Upper

43 100

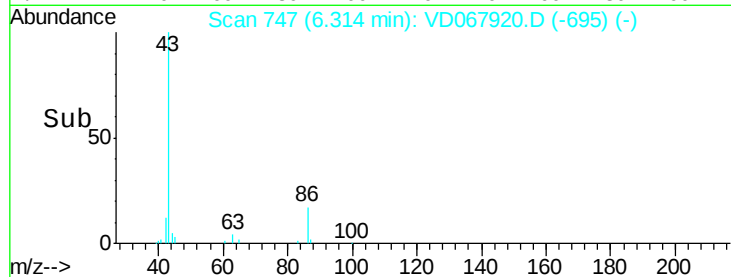
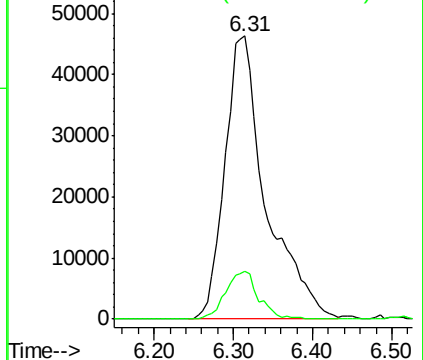
86 16.9 13.8 20.6

Manual Integrations
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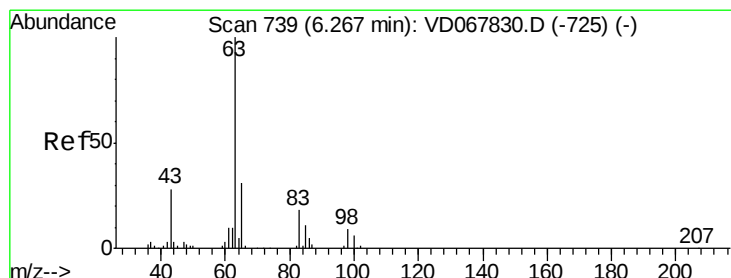
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



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12/10/2020 10:19:29 AM



#24

1,1-Dichloroethane

Concen: 19.527 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD067920.D

Acq: 09 Dec 2020 11:37

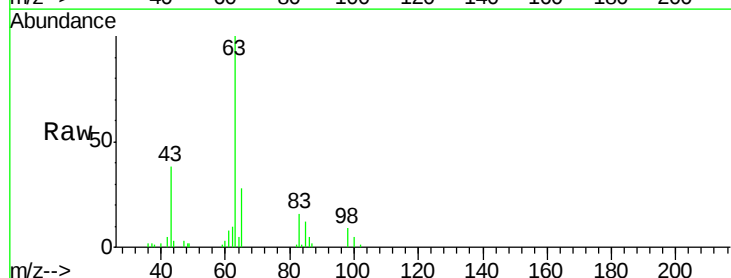
Tgt Ion: 63 Resp: 53166

Ion Ratio Lower Upper

63 100

98 9.5 4.5 13.5

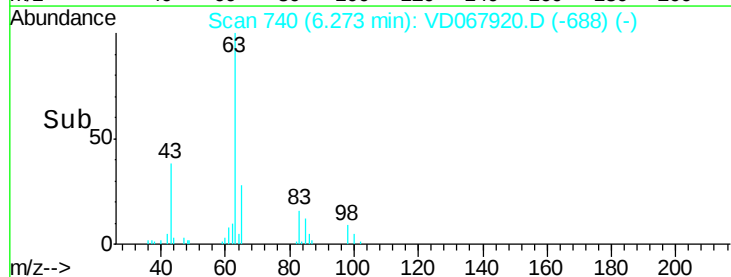
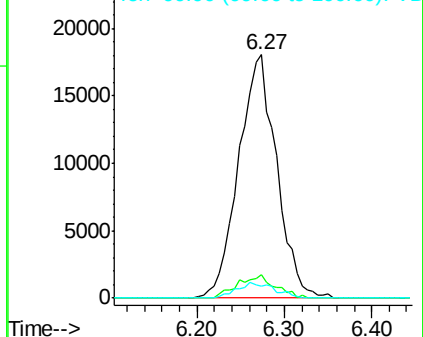
100 5.1 3.0 9.2

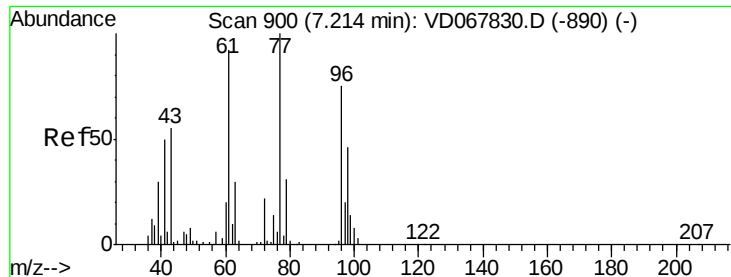


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 86.753 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067920.D

Acq: 09 Dec 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

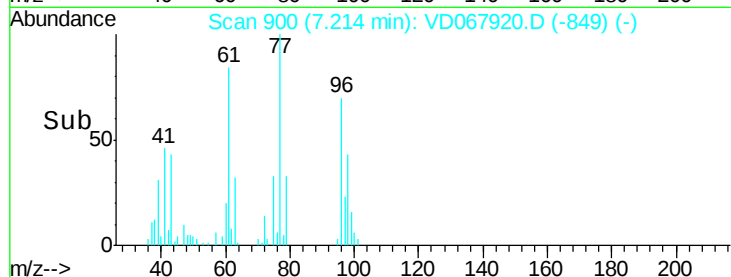
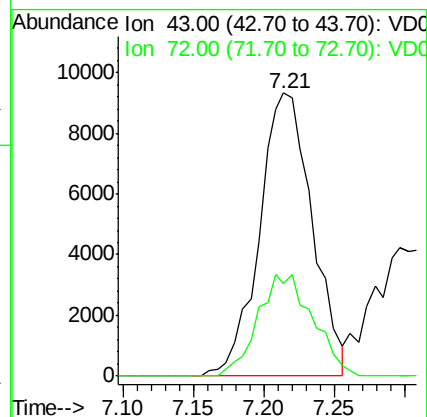
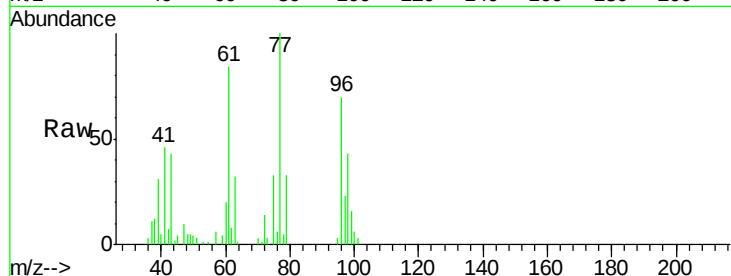
Tot Ion: 43 Resp: 24385

Ion Ratio Lower Upper

43 100

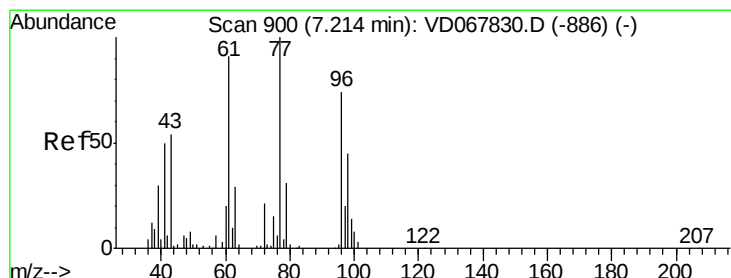
72 32.6 31.3 46.9

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#26

2,2-Dichloropropane

Concen: 20.279 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067920.D

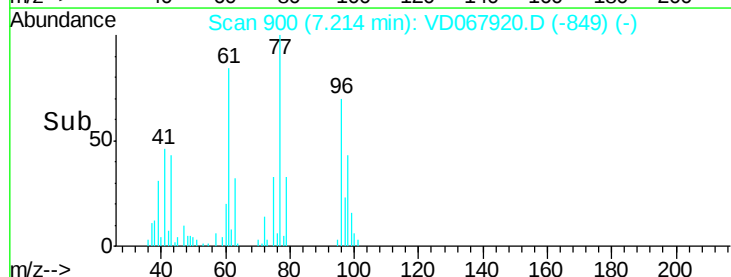
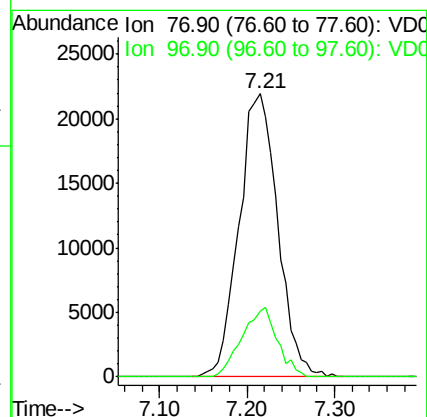
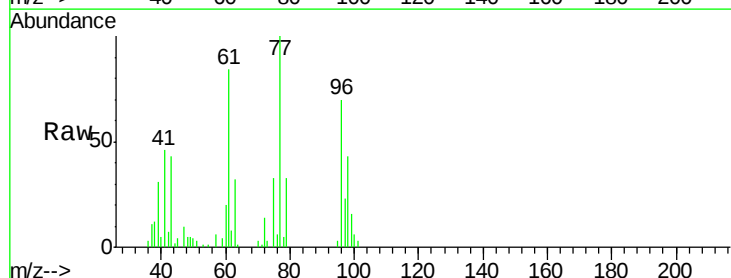
Acq: 09 Dec 2020 11:37

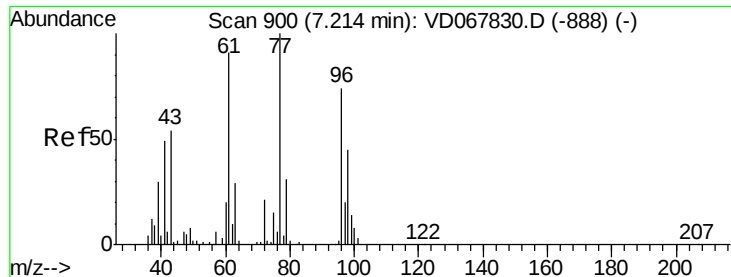
Tgt Ion: 77 Resp: 65840

Ion Ratio Lower Upper

77 100

97 22.5 11.1 33.1





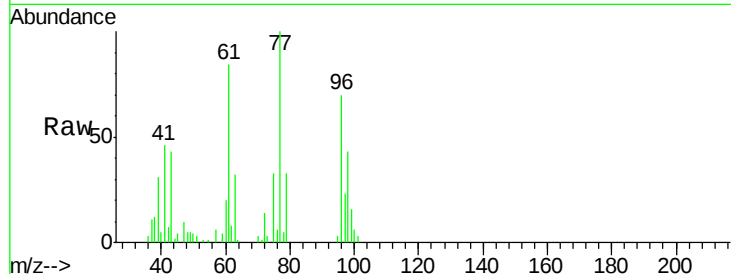
#27

cis-1,2-Dichloroethene
 Concen: 19.696 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067920.D
 Acq: 09 Dec 2020 11:37

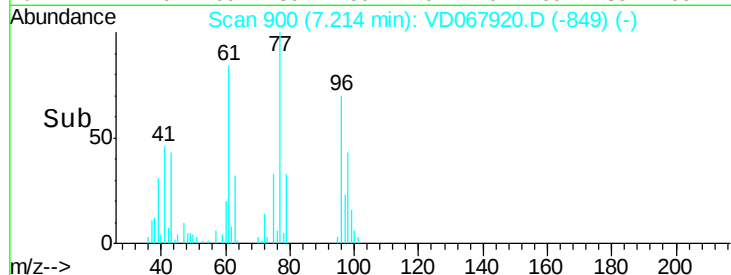
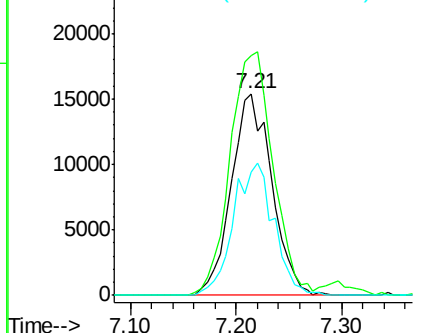
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.3	0.0	248.4
98	65.3	0.0	127.4

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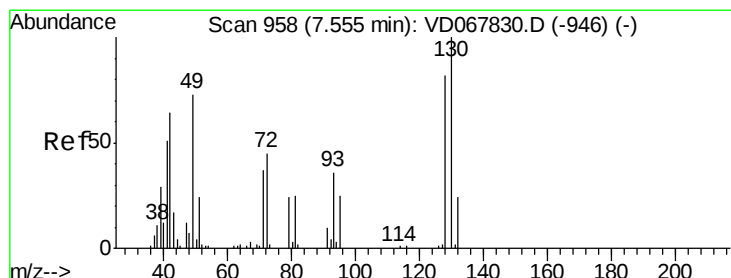


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



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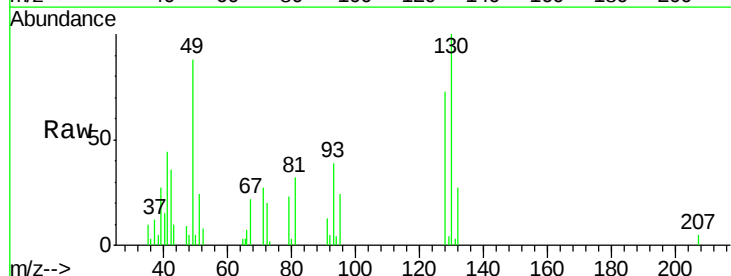
12/10/2020 10:19:29 AM



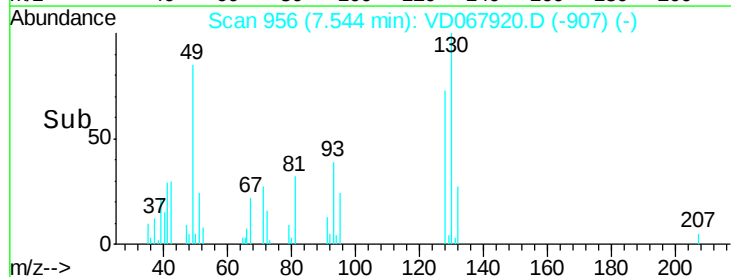
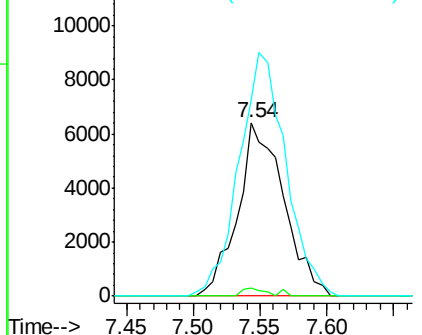
#28

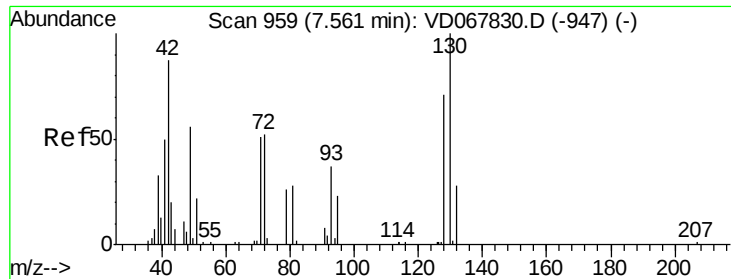
Bromochloromethane
 Concen: 17.715 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD067920.D
 Acq: 09 Dec 2020 11:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.4
130	142.7	110.2	165.2



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V



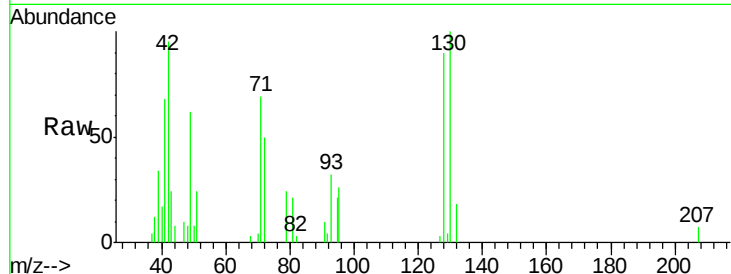


#29
Tetrahydrofuran
Concen: 88.406 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

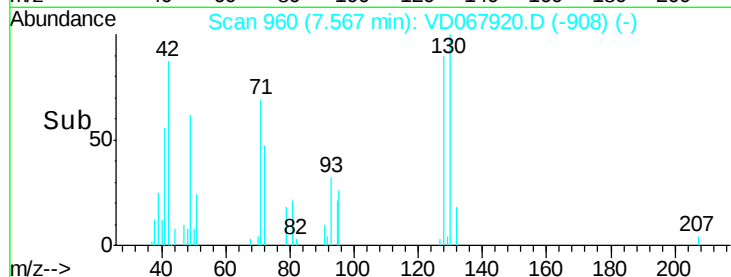
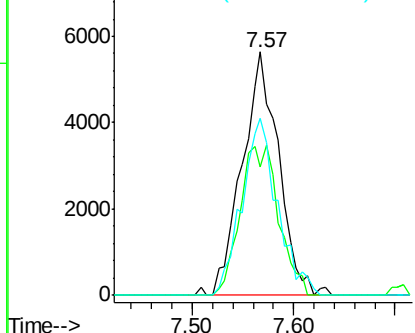
Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	64.6	51.9	77.9
71	70.5	48.2	72.4

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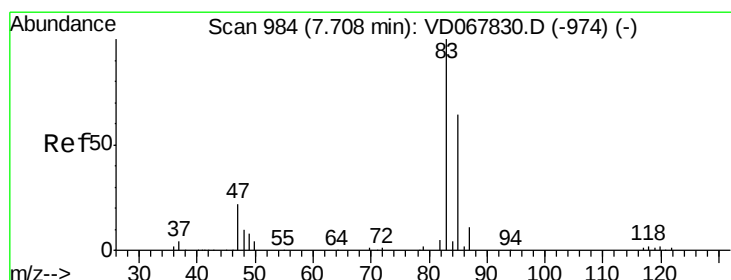


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



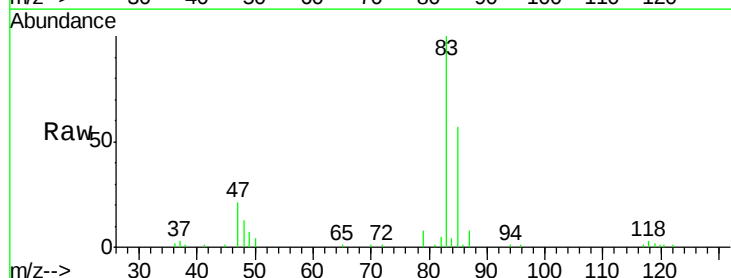
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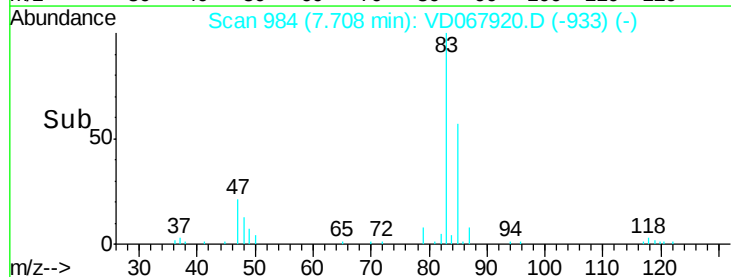
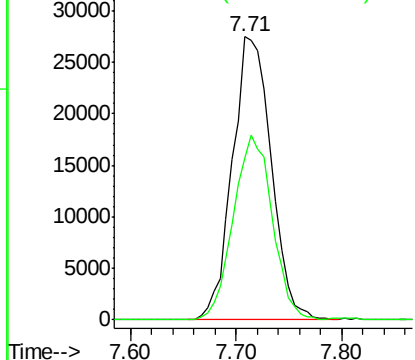


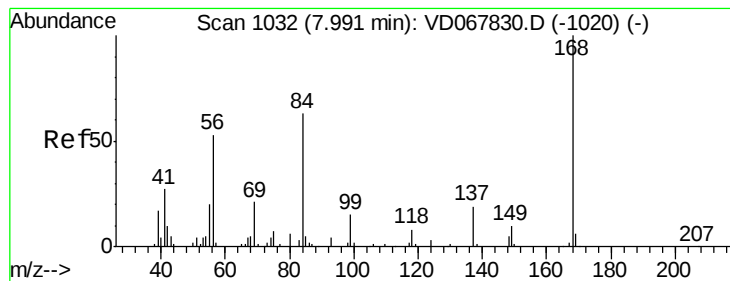
#30
Chloroform
Concen: 19.311 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	57.3	51.0	76.4



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 17.890 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.00 min

Lab File: VD067920.D

Acq: 09 Dec 2020 11:37

Instrument :

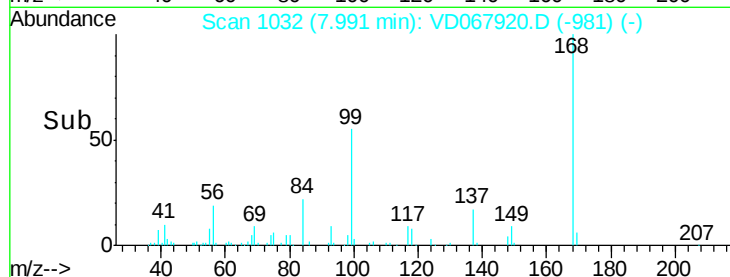
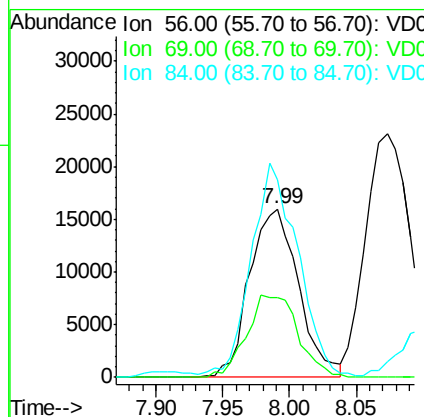
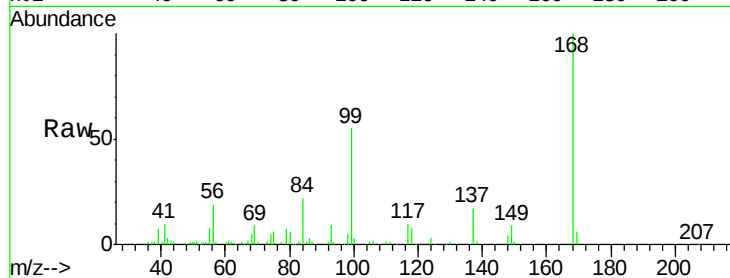
MSVOA_D

ClientSampleId :

VD1209SBS01

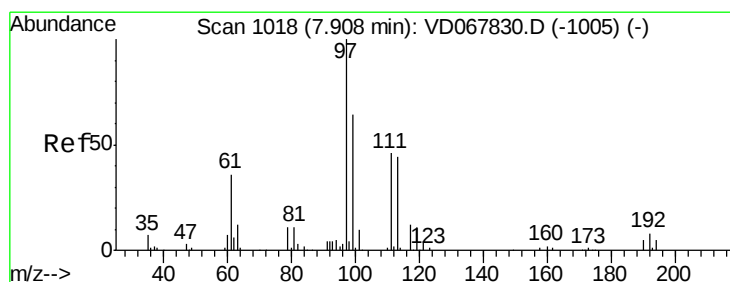
Tot Ion:	56	Resp:	40762
Ion	Ratio	Lower	Upper
56	100		
69	47.7	32.1	48.1
84	114.9	93.2	139.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.316 ug/l

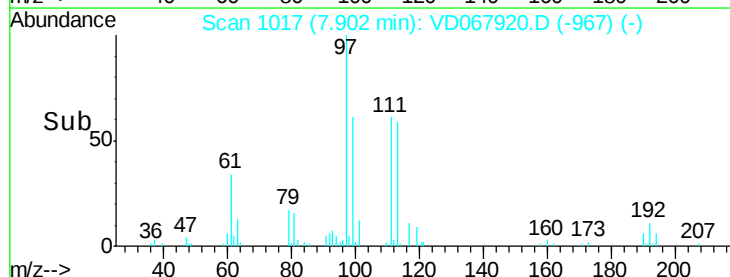
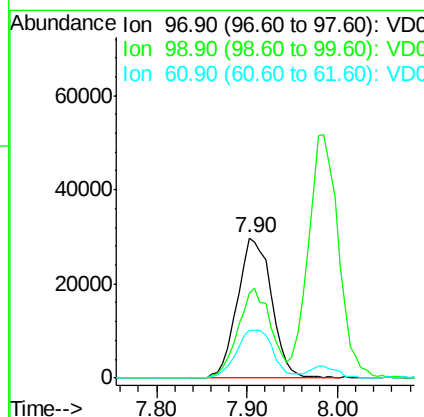
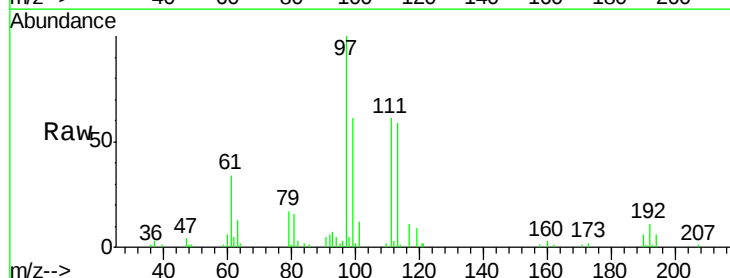
RT: 7.90 min Scan# 1017

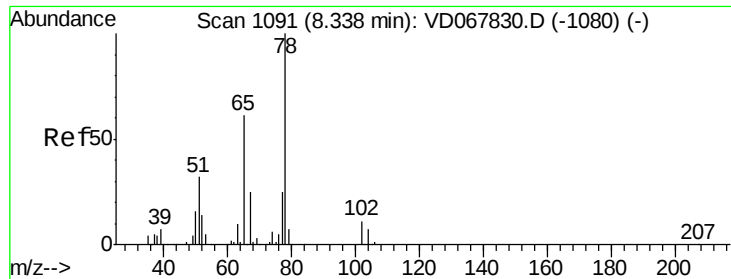
Delta R.T. -0.01 min

Lab File: VD067920.D

Acq: 09 Dec 2020 11:37

Tgt Ion:	97	Resp:	78031
Ion	Ratio	Lower	Upper
97	100		
99	62.3	51.4	77.2
61	36.7	30.8	46.2





#33

1,2-Dichloroethane-d4

Concen: 45.885 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD067920.D

Acq: 09 Dec 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

Tot Ion: 65 Resp: 99233

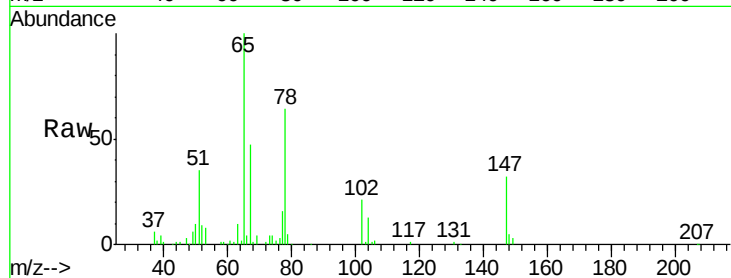
Ion Ratio Lower Upper

65 100

67 47.9 0.0 92.0

Manual Integrations

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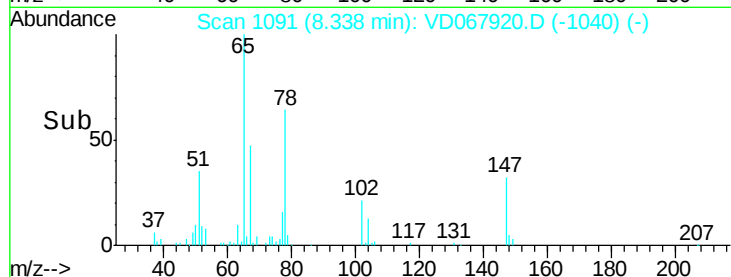


Abundance Ion 64.90 (64.60 to 65.60): VD067920.D (-1040) (-)

Ion 66.90 (66.60 to 67.60): VD067920.D (-1040) (-)

8.34

Time-->



Abundance

Ion 64.90 (64.60 to 65.60): VD067920.D (-1040) (-)

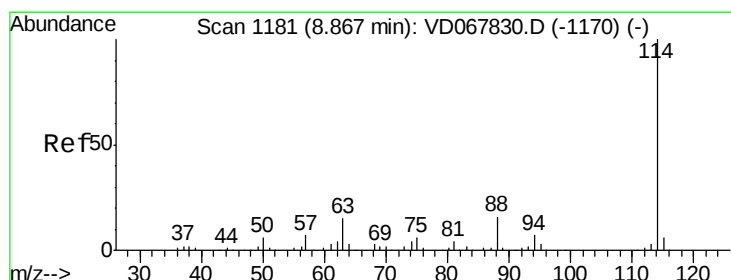
Ion 66.90 (66.60 to 67.60): VD067920.D (-1040) (-)

8.34

Time-->

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067920.D

Acq: 09 Dec 2020 11:37

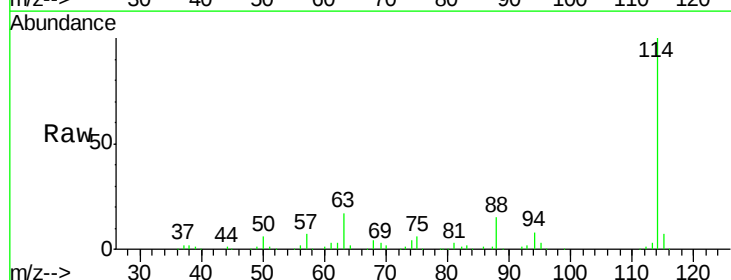
Tgt Ion: 114 Resp: 284665

Ion Ratio Lower Upper

114 100

63 17.1 0.0 30.8

88 15.2 0.0 31.8



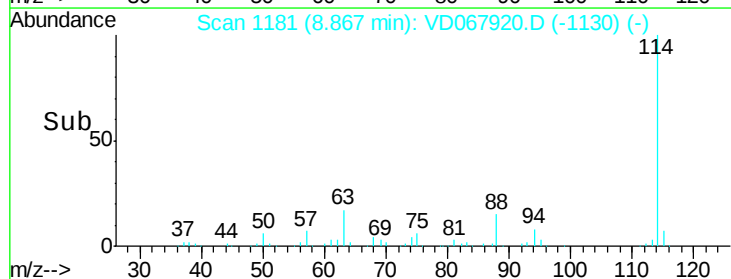
Abundance Ion 113.90 (113.60 to 114.60): VD067920.D (-1130) (-)

Ion 63.00 (62.70 to 63.70): VD067920.D (-1130) (-)

Ion 87.90 (87.60 to 88.60): VD067920.D (-1130) (-)

8.87

Time-->



Abundance

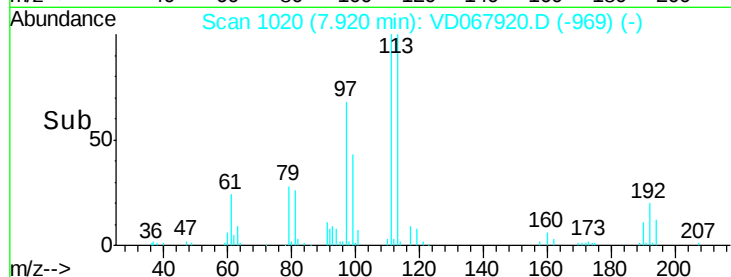
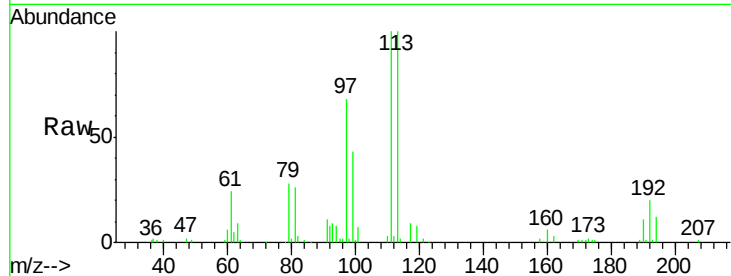
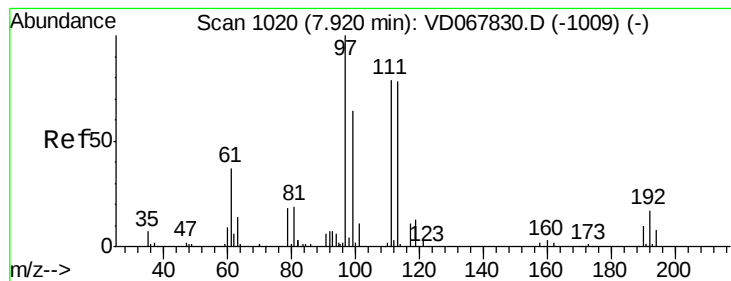
Ion 113.90 (113.60 to 114.60): VD067920.D (-1130) (-)

Ion 63.00 (62.70 to 63.70): VD067920.D (-1130) (-)

Ion 87.90 (87.60 to 88.60): VD067920.D (-1130) (-)

8.87

Time-->



#35

Dibromofluoromethane

Concen: 46.252 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

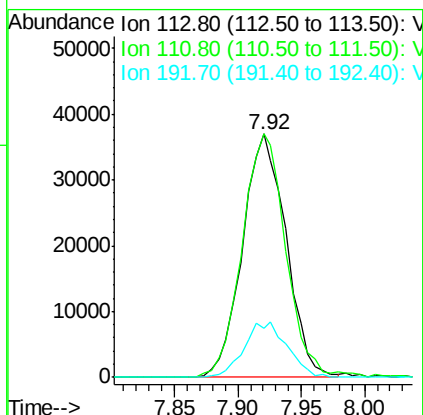
Lab File: VD067920.D

Acq: 09 Dec 2020 11:37

Tot Ion:	113	Resp:	88101
Ion	Ratio	Lower	Upper
113	100		
111	99.5	81.2	121.8
192	22.3	16.8	25.2

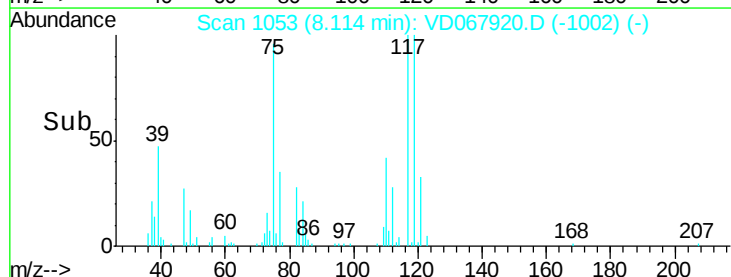
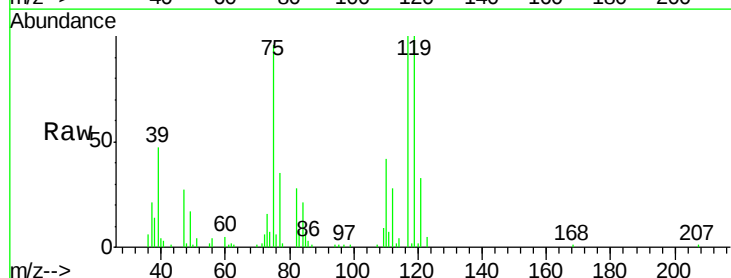
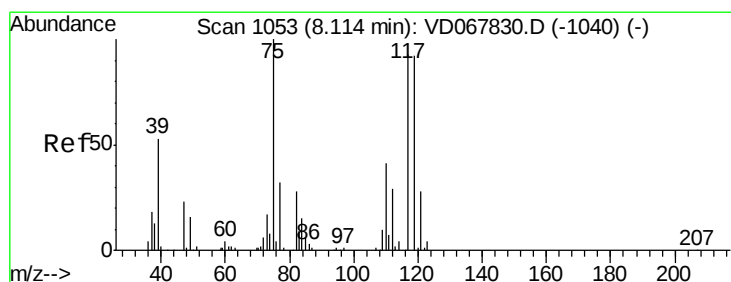
Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

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#36

1,1-Dichloropropene

Concen: 19.672 ug/l

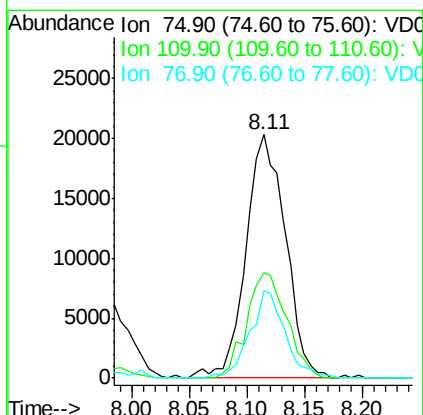
RT: 8.11 min Scan# 1053

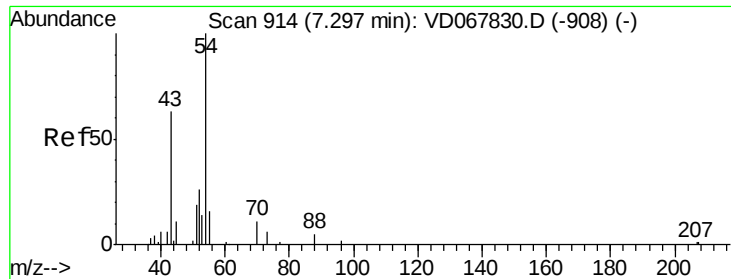
Delta R.T. 0.00 min

Lab File: VD067920.D

Acq: 09 Dec 2020 11:37

Tgt Ion:	75	Resp:	48478
Ion	Ratio	Lower	Upper
75	100		
110	43.8	20.3	61.0
77	31.9	24.7	37.1



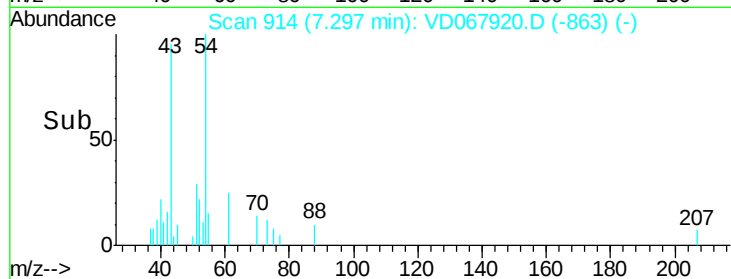
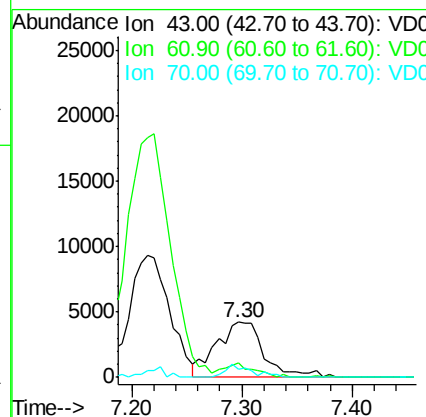
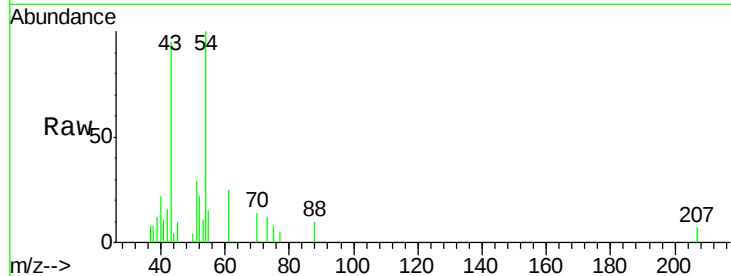


#37
Ethyl Acetate
Concen: 19.048 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

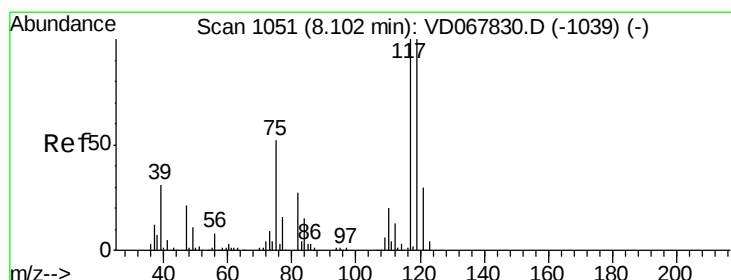
Tot Ion	Ratio	Lower	Upper
43	100		
61	16.2	11.4	17.2
70	12.7	11.5	17.3

Manual Integrations
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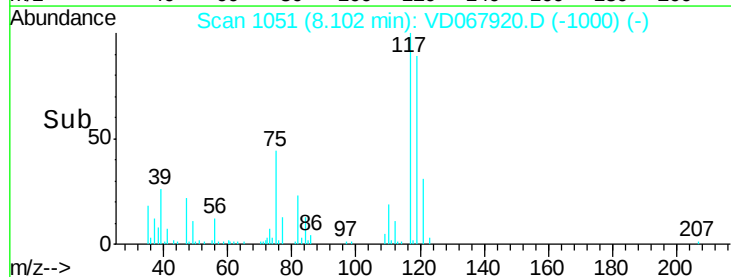
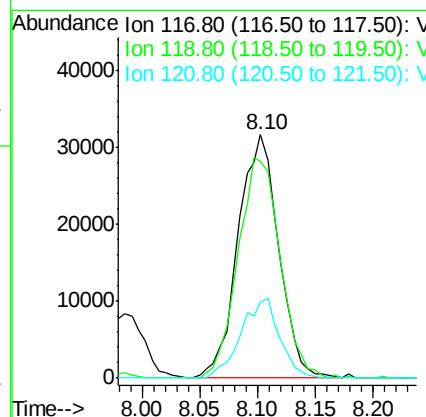
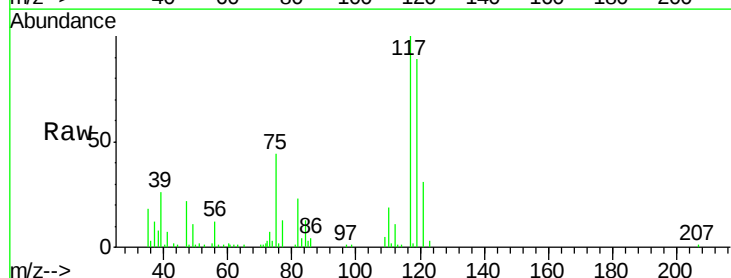
MMDadoda

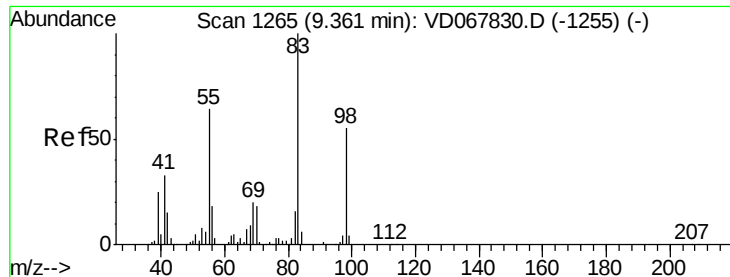
12/10/2020 10:19:29 AM



#38
Carbon Tetrachloride
Concen: 20.714 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.2	79.7	119.5
121	31.0	23.8	35.6



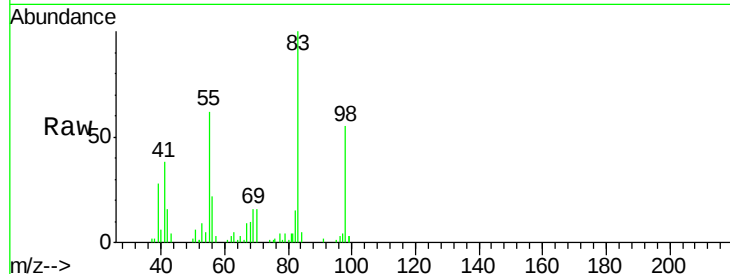


#39
Methvlcvclohexane
Concen: 18.929 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

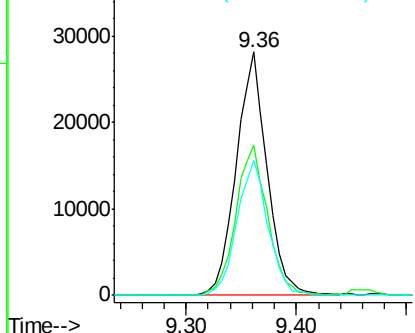
Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	83	Resp	55280
Ion Ratio	Lower	Upper	
83	100		
55	61.7	51.6	77.4
98	55.2	44.3	66.5

Manual Integrations
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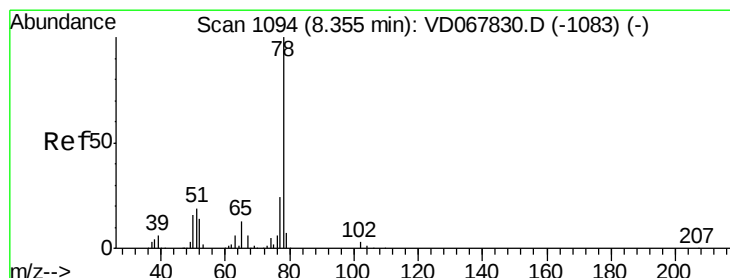
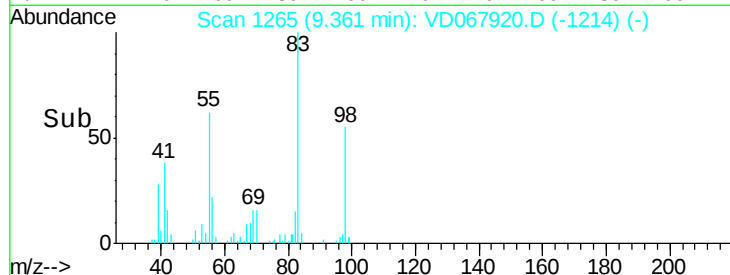


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC



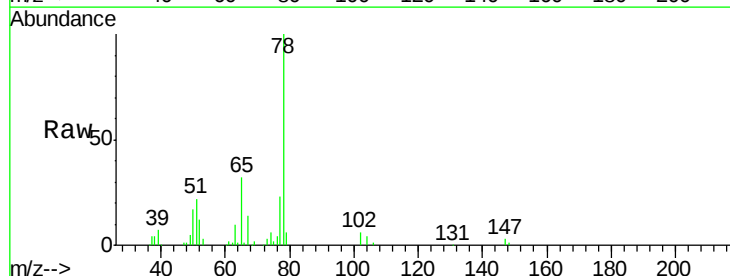
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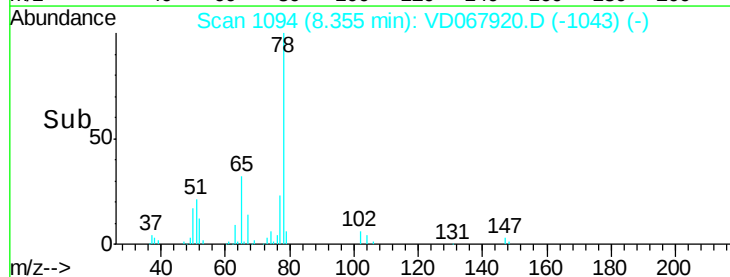
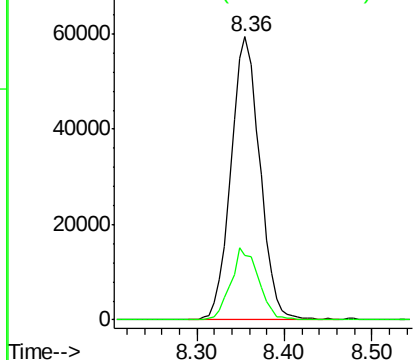


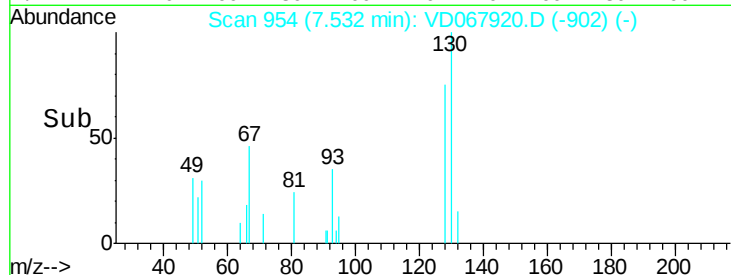
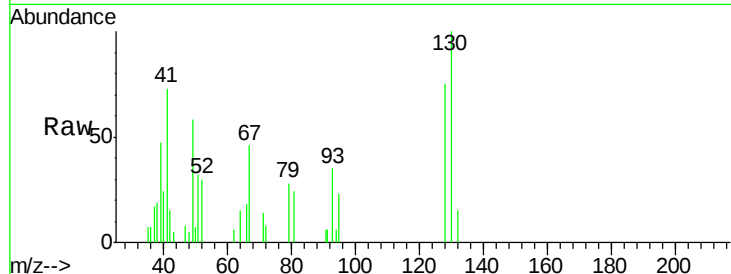
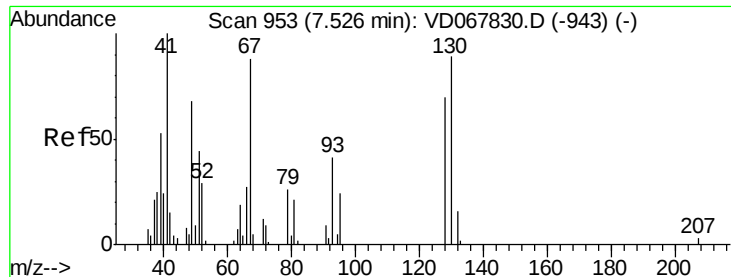
#40
Benzene
Concen: 19.615 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Tgt Ion	78	Resp	132267
Ion Ratio	Lower	Upper	
78	100		
77	22.7	19.1	28.7



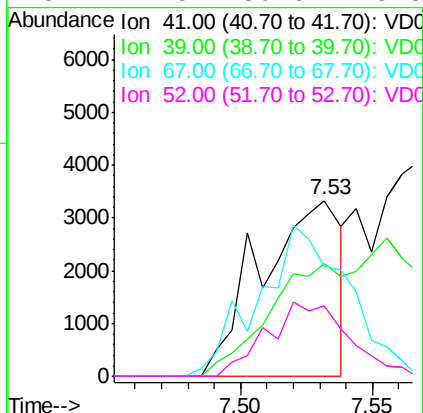
Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41
Methacrylonitrile
Concen: 19.689 ug/l m
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Tot Ion: 41 Resp: 7066
Ion Ratio Lower Upper
41 100
39 58.6 42.1 63.1
67 94.5 82.4 123.6
52 42.5 30.6 45.8

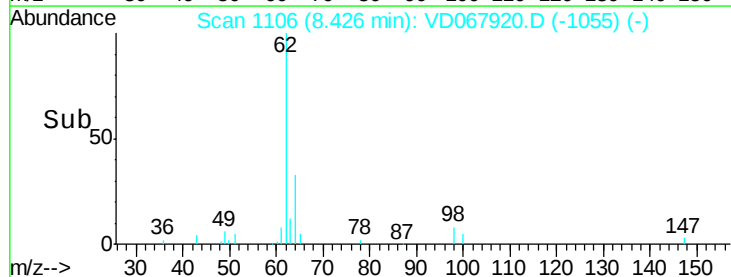
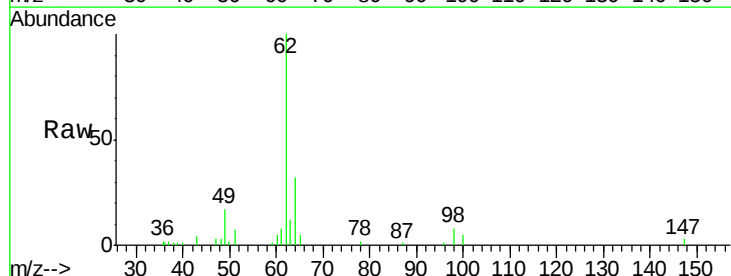
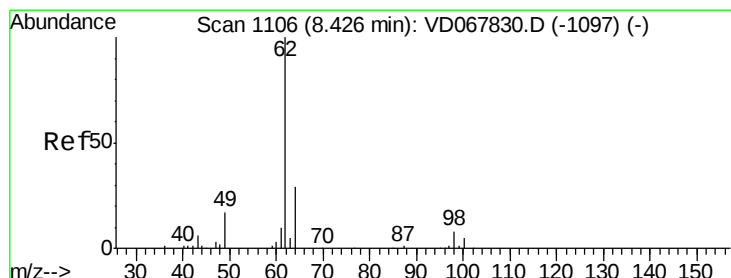


Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

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APPROVED

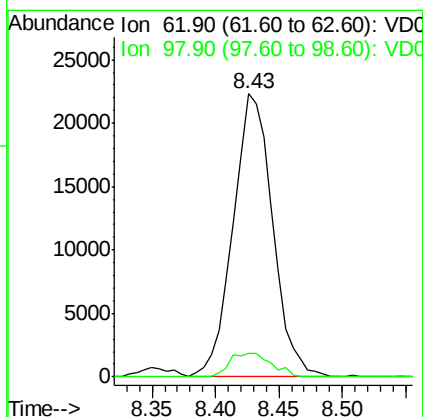
MMDadoda

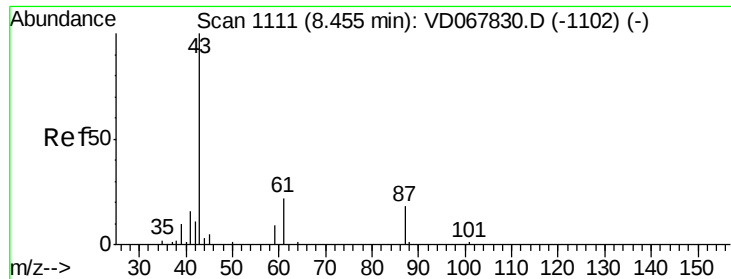
12/10/2020 10:19:29 AM



#42
1,2-Dichloroethane
Concen: 20.158 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Tgt Ion: 62 Resp: 48444
Ion Ratio Lower Upper
62 100
98 8.8 0.0 17.2





#43

Isopropyl Acetate

Concen: 18.296 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD067920.D

Acq: 09 Dec 2020 11:37

Instrument :

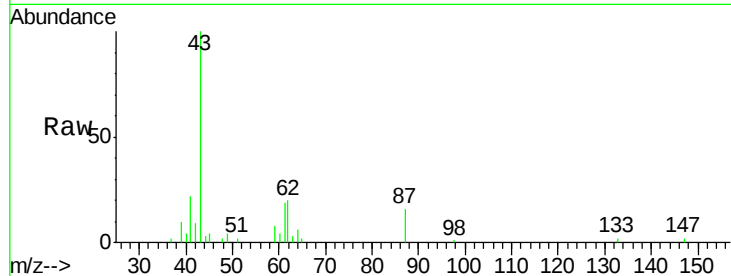
MSVOA_D

ClientSampleId :

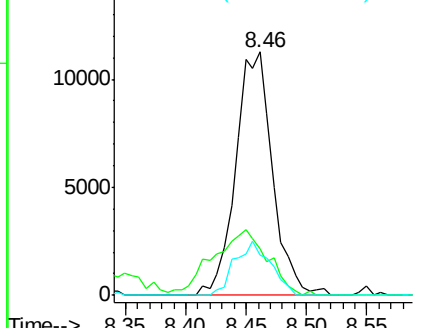
VD1209SBS01

Tot Ion:	43	Resp:	23910
Ion	Ratio	Lower	Upper
43	100		
61	40.2	30.4	45.6
87	21.6	16.2	24.2

Manual Integrations
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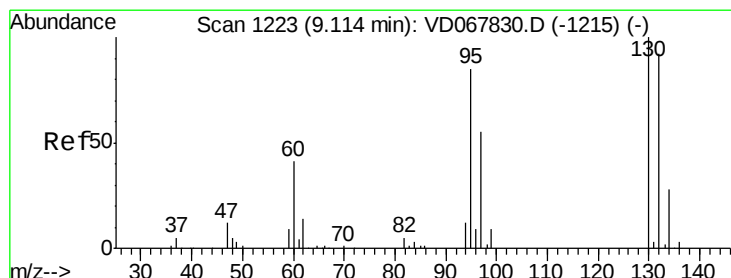
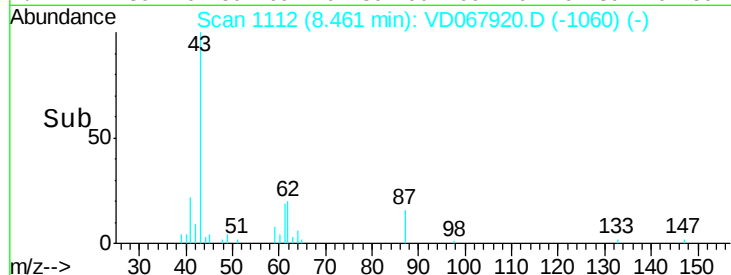


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



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#44

Trichloroethene

Concen: 19.941 ug/l

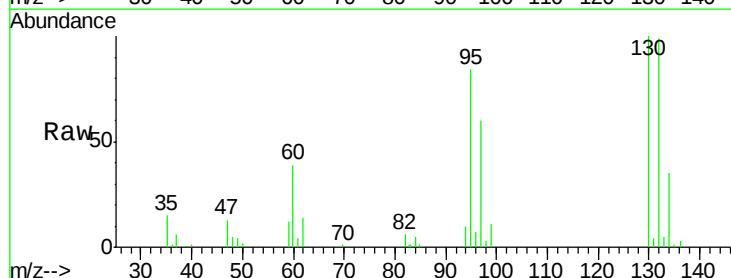
RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

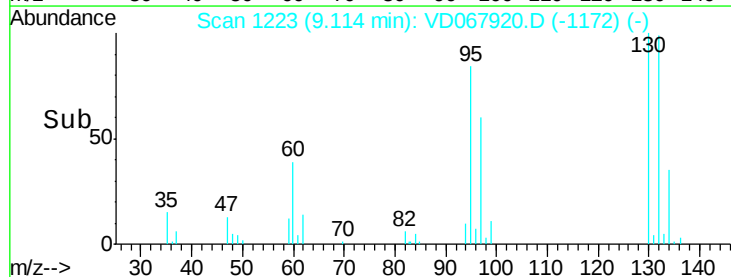
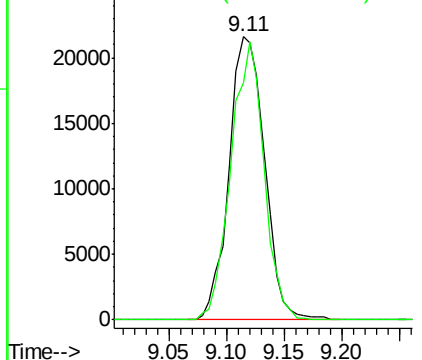
Lab File: VD067920.D

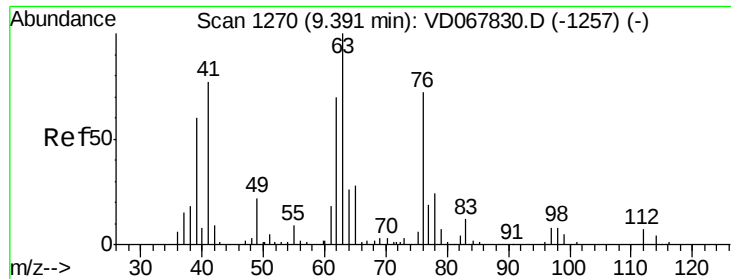
Acq: 09 Dec 2020 11:37

Tgt Ion:	130	Resp:	46231
Ion	Ratio	Lower	Upper
130	100		
95	83.8	0.0	170.2



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC



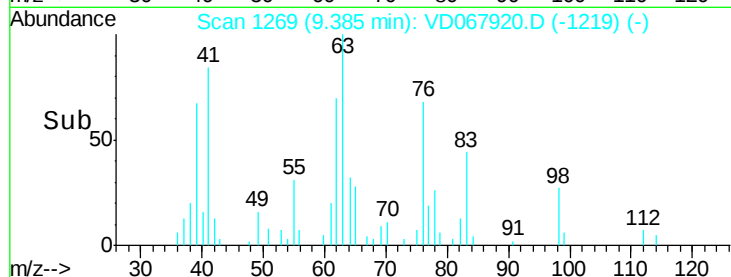
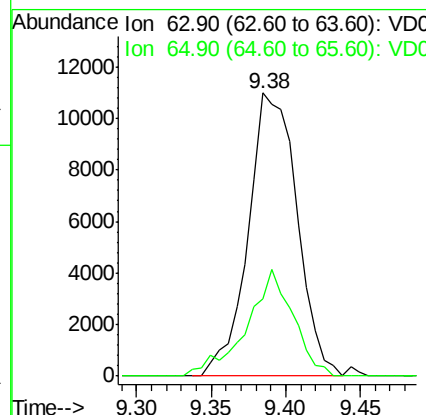
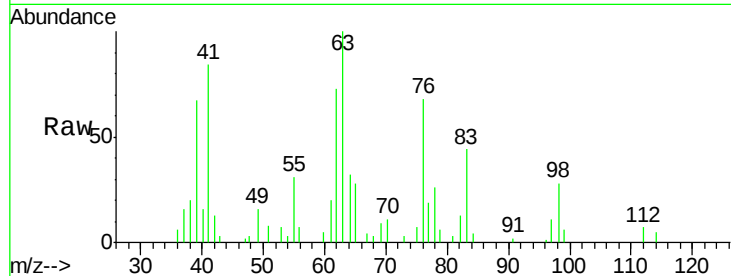


#45
 1,2-Dichloropropane
 Concen: 17.974 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD067920.D
 Acq: 09 Dec 2020 11:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

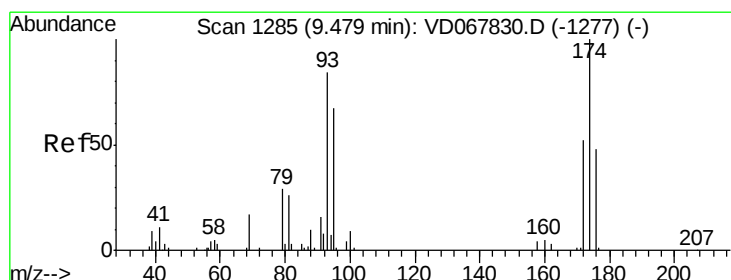
Tot Ion: 63 Resp: 24875
 Ion Ratio Lower Upper
 63 100
 65 27.5 22.8 34.2

Manual Integrations
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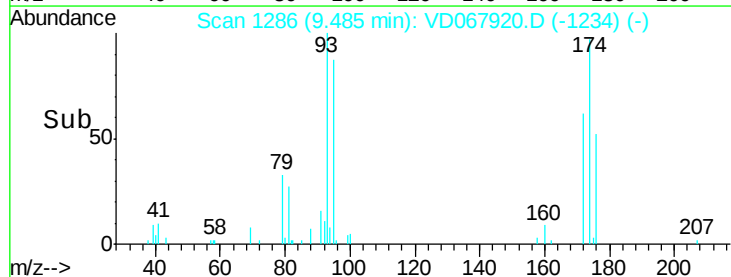
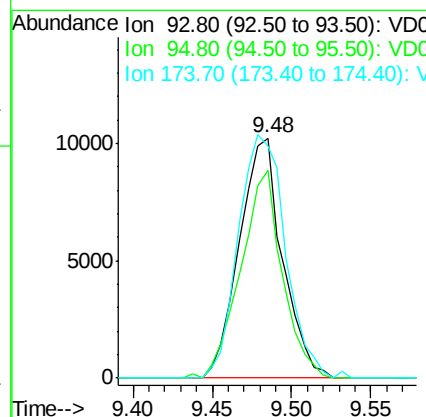
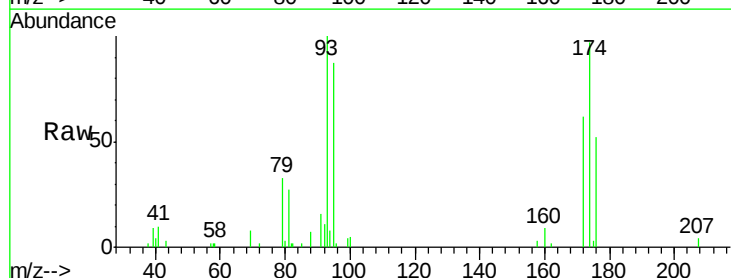
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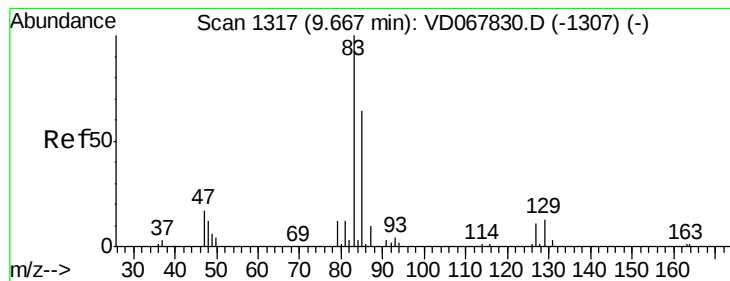
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#46
 Dibromomethane
 Concen: 20.051 ug/l
 RT: 9.48 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD067920.D
 Acq: 09 Dec 2020 11:37

Tgt Ion: 93 Resp: 19294
 Ion Ratio Lower Upper
 93 100
 95 83.3 64.2 96.4
 174 111.2 91.5 137.3





#47

Bromodichloromethane

Concen: 20.162 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067920.D

Acq: 09 Dec 2020 11:37

Instrument :

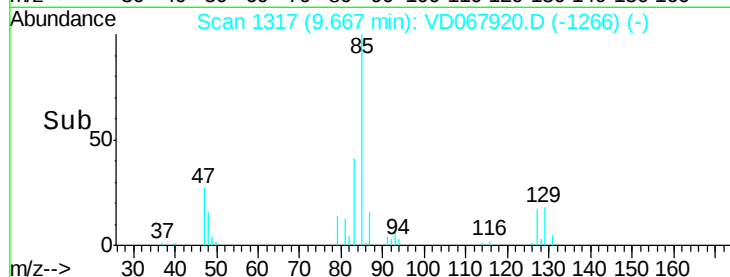
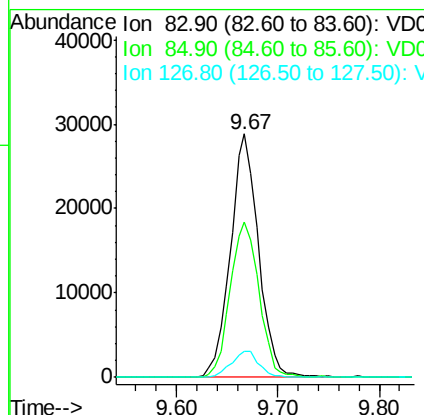
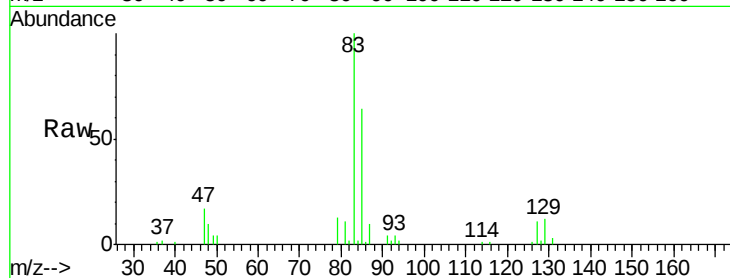
MSVOA_D

ClientSampleId :

VD1209SBS01

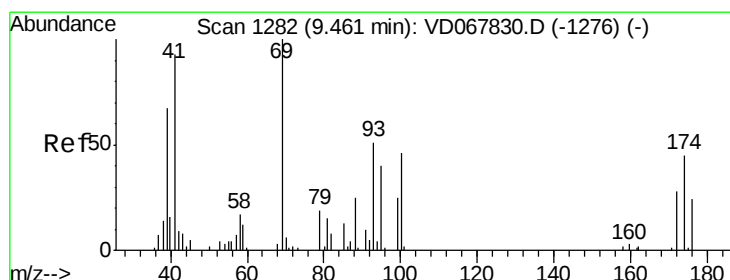
Tot Ion:	83	Resp:	55309
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.4	77.0
127	10.7	8.5	12.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.604 ug/l

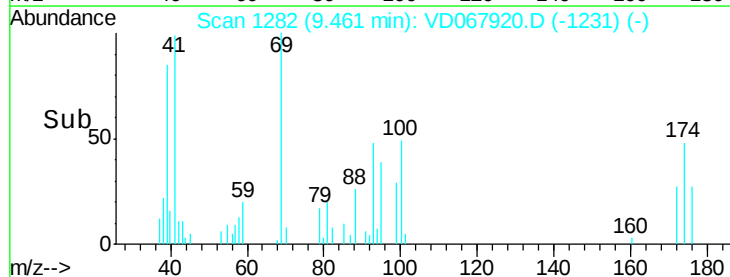
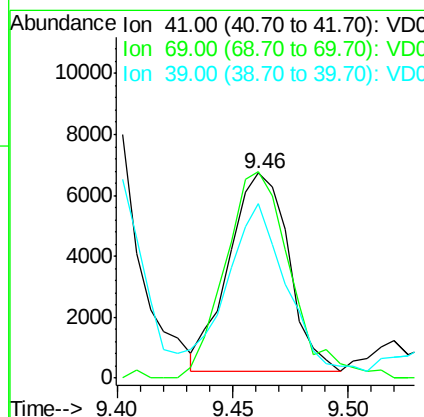
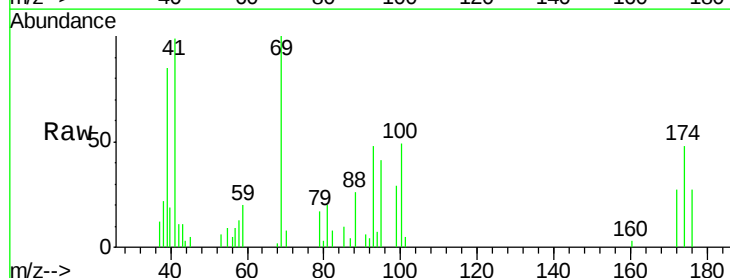
RT: 9.46 min Scan# 1282

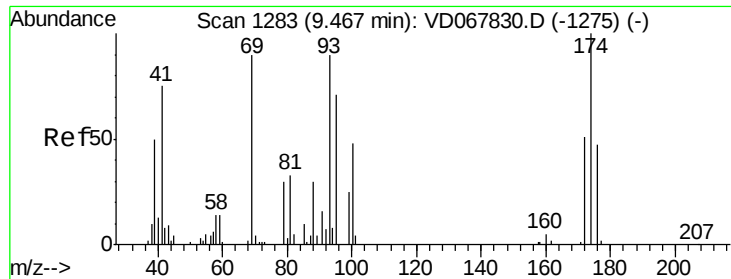
Delta R.T. 0.00 min

Lab File: VD067920.D

Acq: 09 Dec 2020 11:37

Tgt Ion:	41	Resp:	11682
Ion	Ratio	Lower	Upper
41	100		
69	114.7	87.6	131.4
39	83.4	61.2	91.8



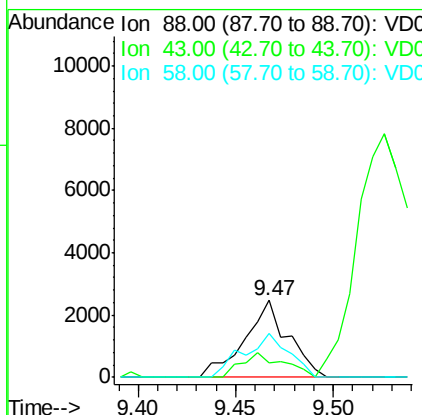
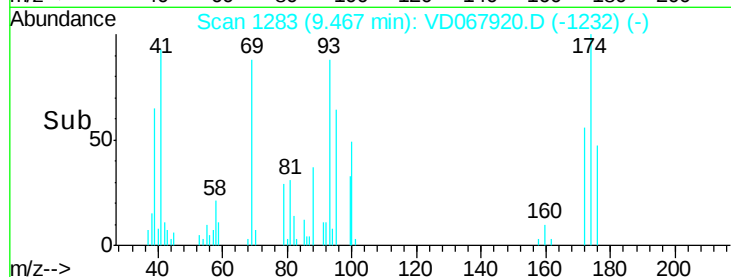
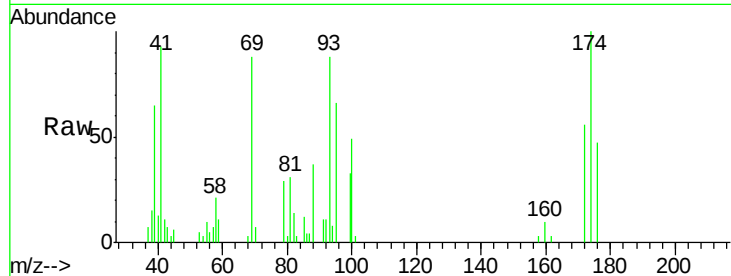


#49
1,4-Dioxane
Concen: 345.061 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

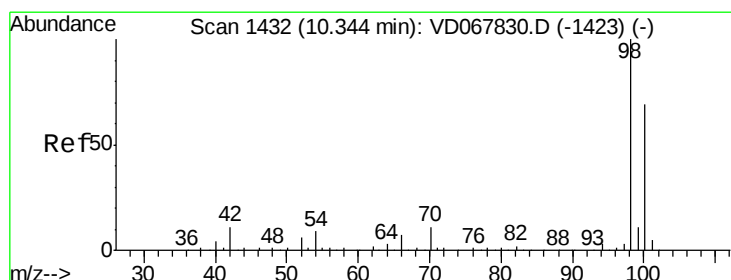
Tot Ion	Ratio	Lower	Upper
88	100		
43	30.9	30.1	45.1
58	59.6	42.4	63.6

Manual Integrations
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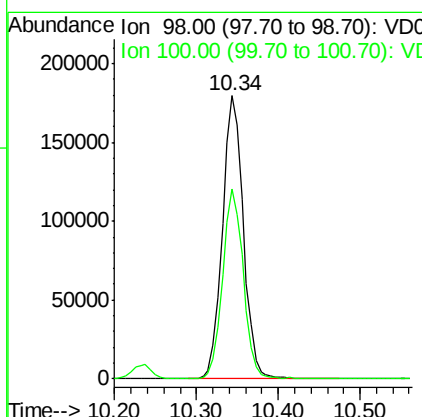
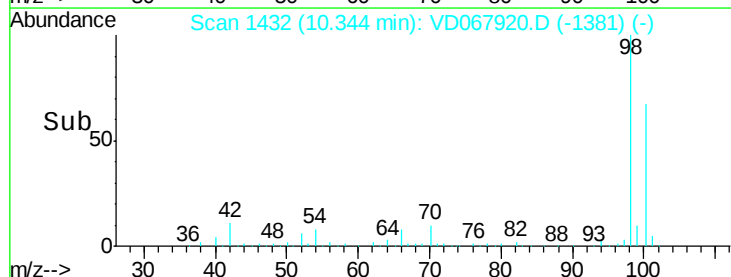
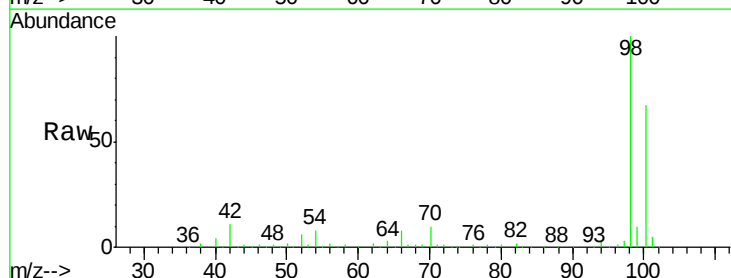
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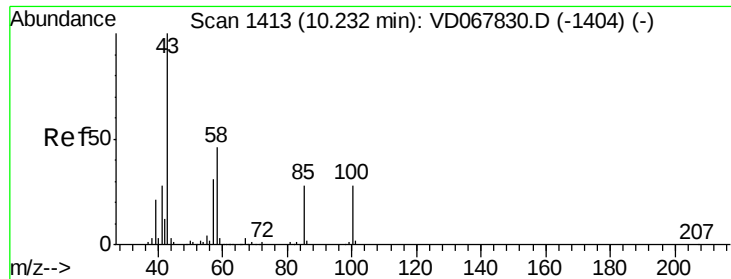
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#50
Toluene-d8
Concen: 46.619 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.9	79.3



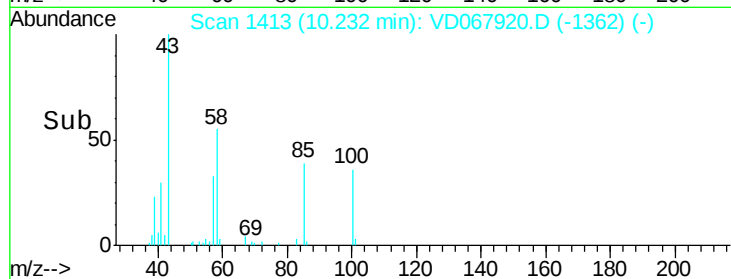
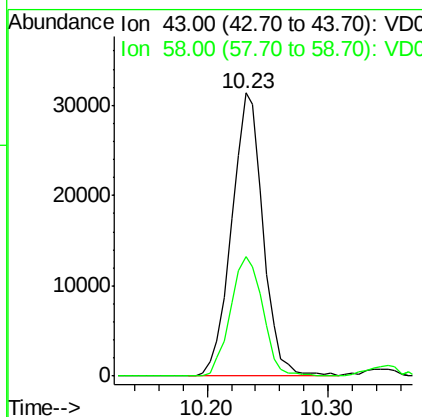
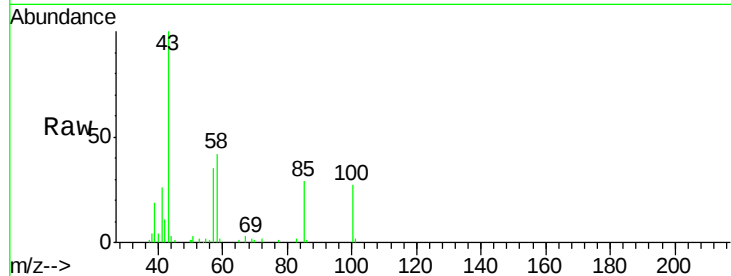


#51
4-Methyl-2-Pentanone
Concen: 91.606 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

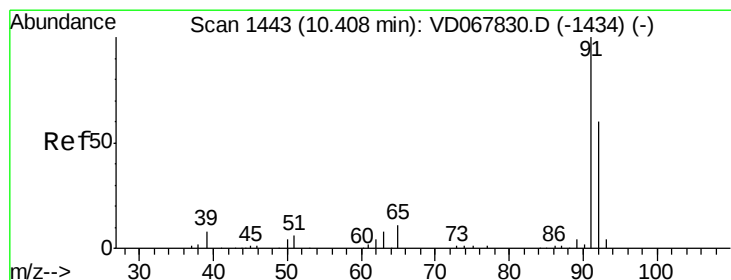
Tot Ion: 43 Resp: 56659
Ion Ratio Lower Upper
43 100
58 43.4 35.7 53.5

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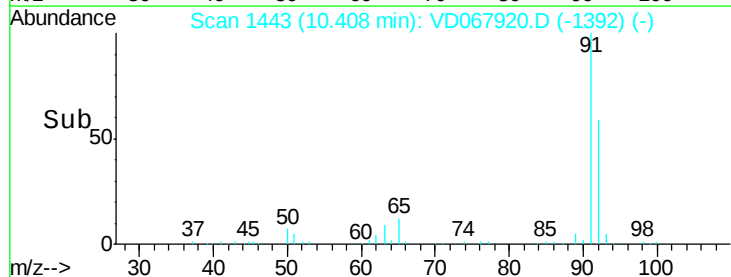
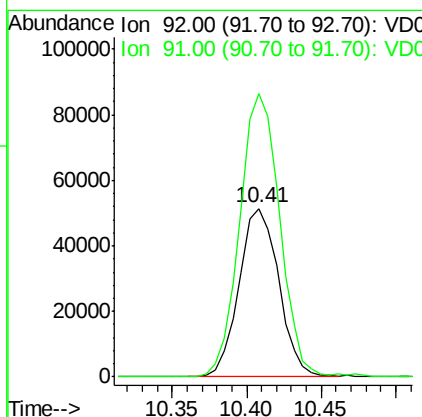
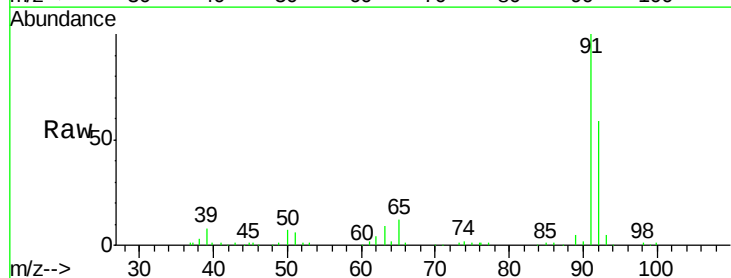
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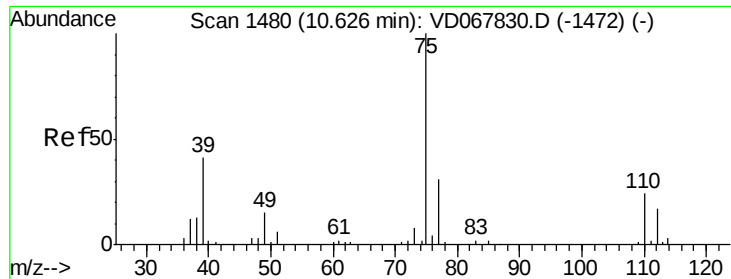
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#52
Toluene
Concen: 20.143 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Tgt Ion: 92 Resp: 94962
Ion Ratio Lower Upper
92 100
91 169.8 134.2 201.2



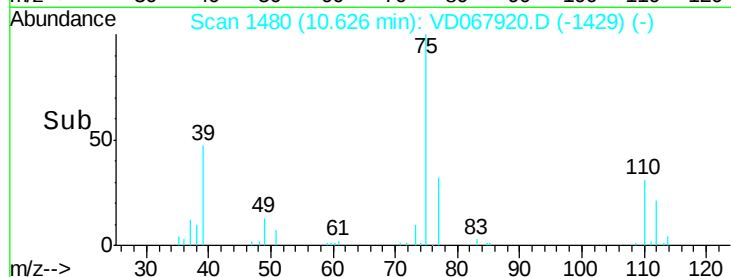
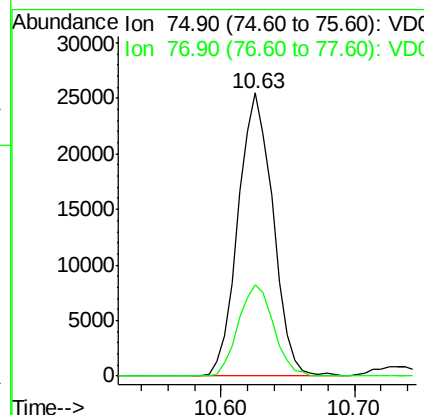
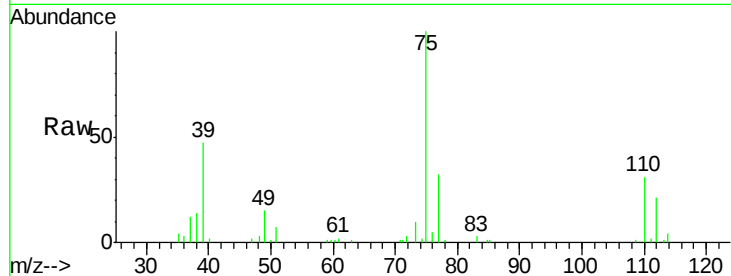


#53
t-1,3-Dichloropropene
Concen: 19.458 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

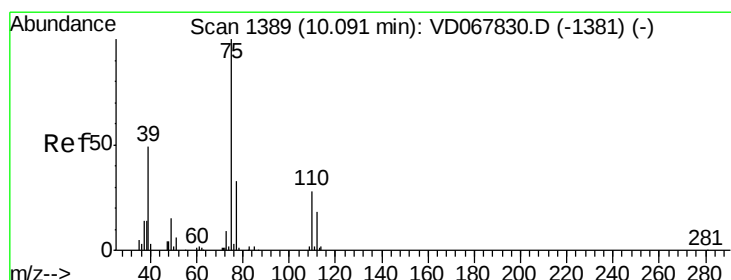
Tot Ion: 75 Resp: 46070
Ion Ratio Lower Upper
75 100
77 32.3 25.0 37.4

Manual Integrations
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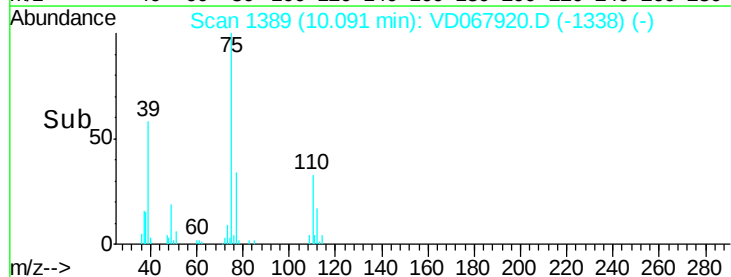
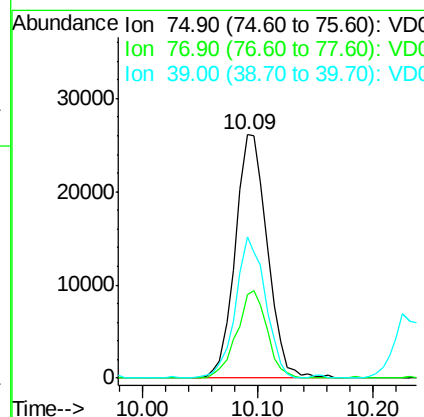
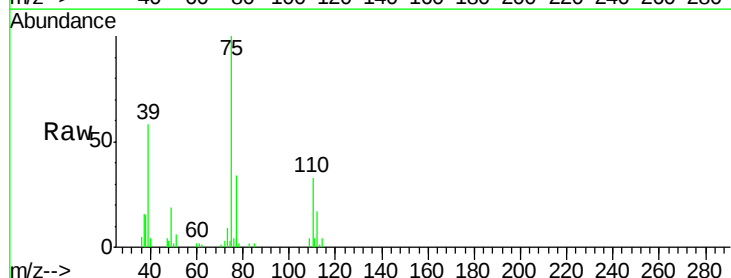
MMDadoda

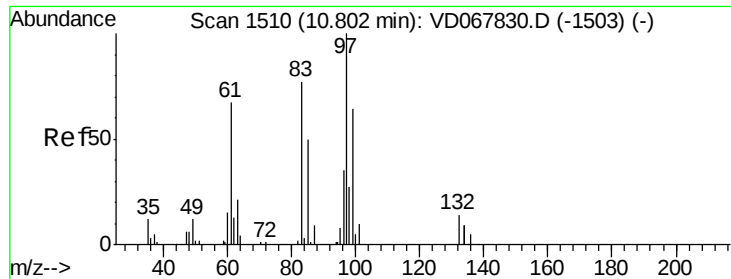
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#54
cis-1,3-Dichloropropene
Concen: 19.506 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Tgt Ion: 75 Resp: 50236
Ion Ratio Lower Upper
75 100
77 34.3 26.2 39.2
39 58.2 39.0 58.4



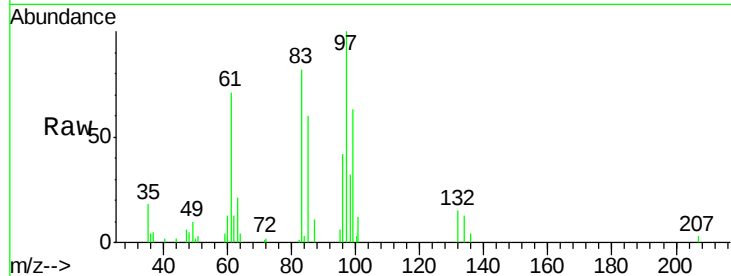


#55
 1,1,2-Trichloroethane
 Concen: 18.131 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067920.D
 Acq: 09 Dec 2020 11:37

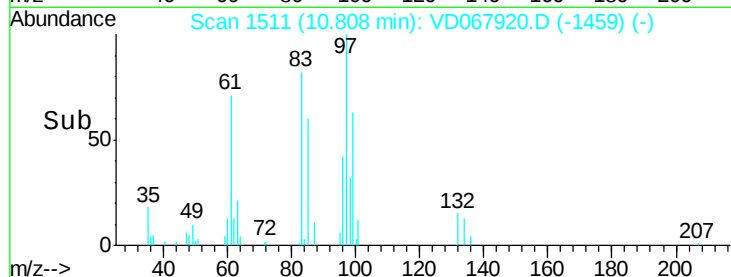
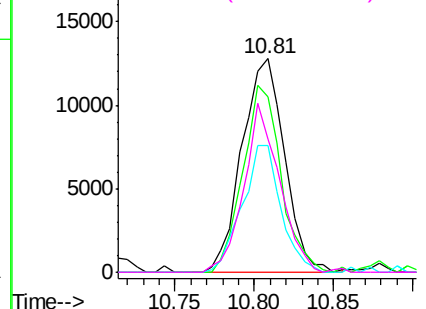
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

Tot Ion	97	Resp	23876
Ion	Ratio	Lower	Upper
97	100		
83	82.0	61.9	92.9
85	59.5	40.2	60.4
99	62.6	51.0	76.6

Manual Integrations
 APPROVED

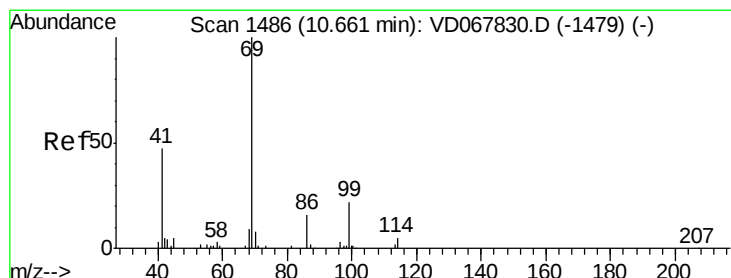


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC



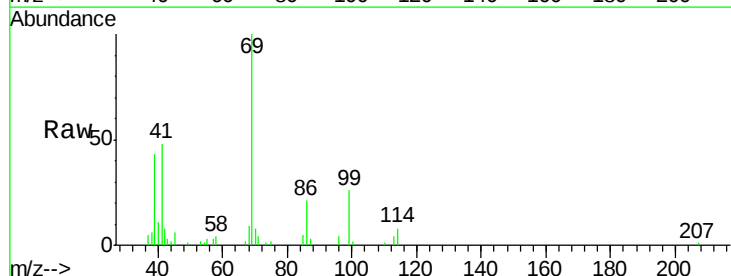
MMDadoda

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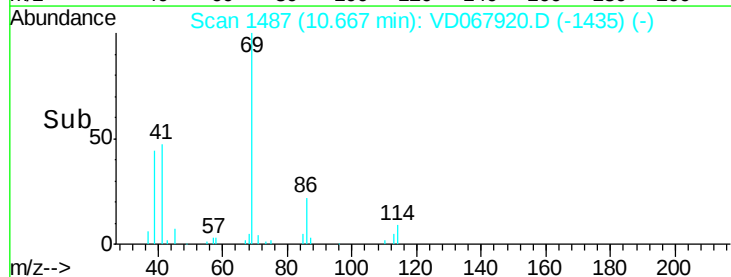
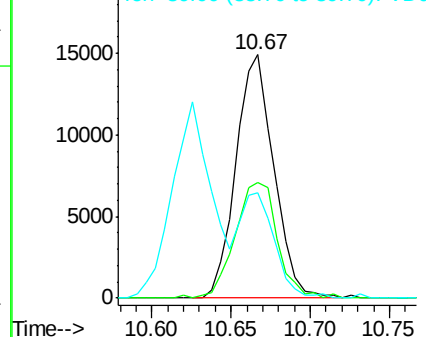


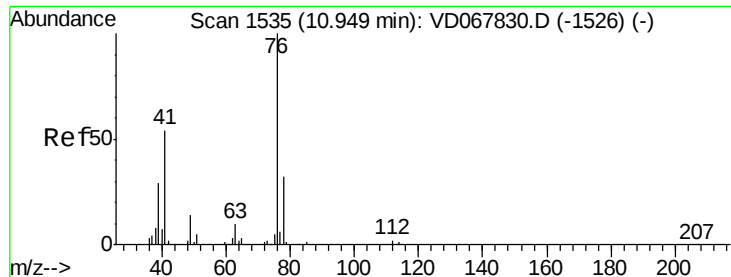
#56
 Ethyl methacrylate
 Concen: 18.448 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD067920.D
 Acq: 09 Dec 2020 11:37

Tgt Ion	69	Resp	24717
Ion	Ratio	Lower	Upper
69	100		
41	53.3	42.8	64.2
39	39.7	30.5	45.7



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 18.497 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067920.D

Acq: 09 Dec 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

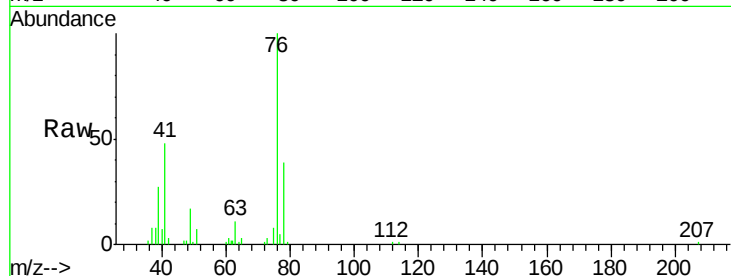
Tot Ion: 76 Resp: 38584

Ion Ratio Lower Upper

76 100

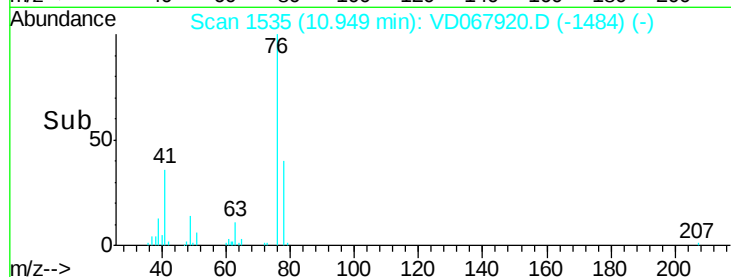
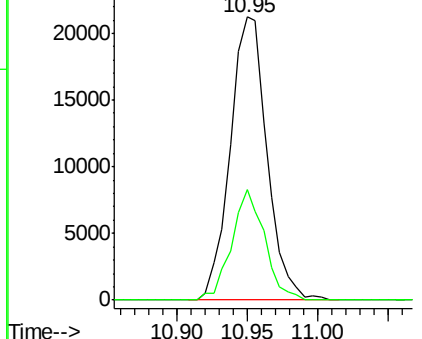
78 35.2 26.6 39.8

Manual Integrations
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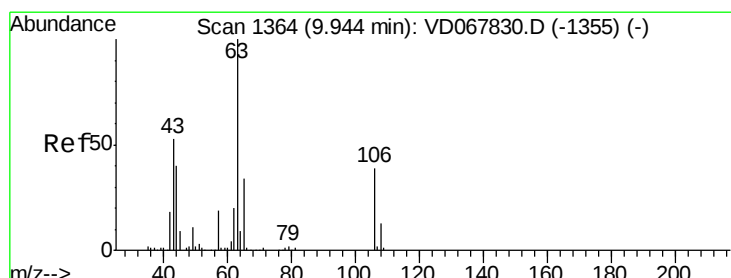
Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



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#58

2-Chloroethyl Vinyl ether

Concen: 85.706 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD067920.D

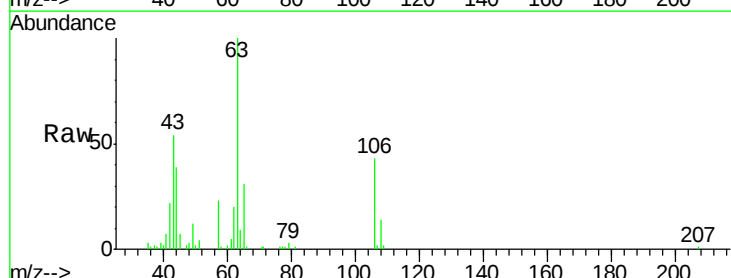
Acq: 09 Dec 2020 11:37

Tgt Ion: 63 Resp: 52252

Ion Ratio Lower Upper

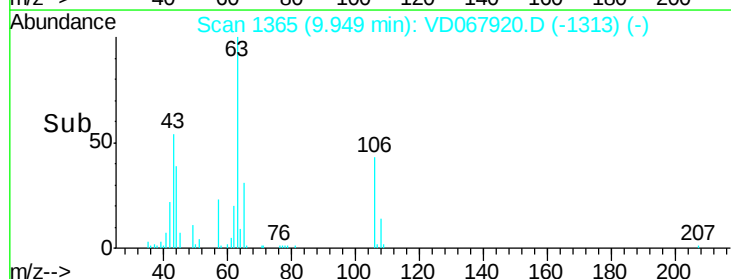
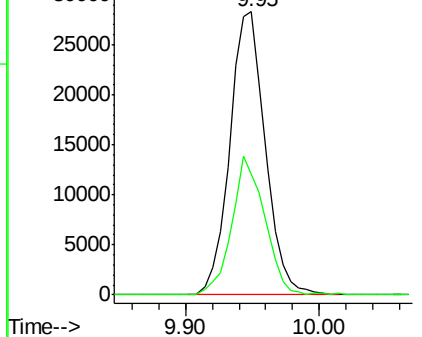
63 100

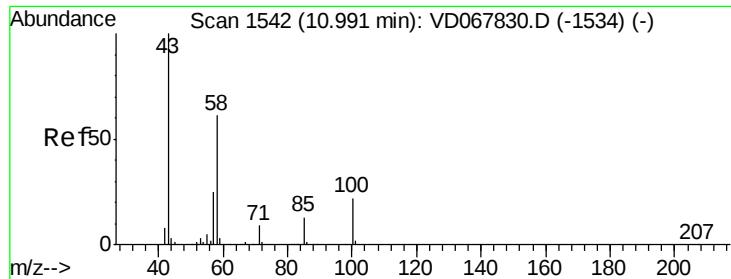
106 45.0 32.0 48.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V



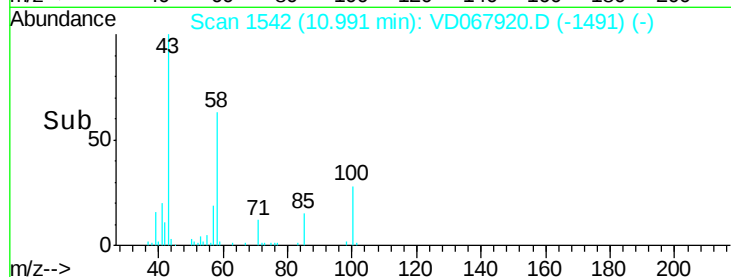
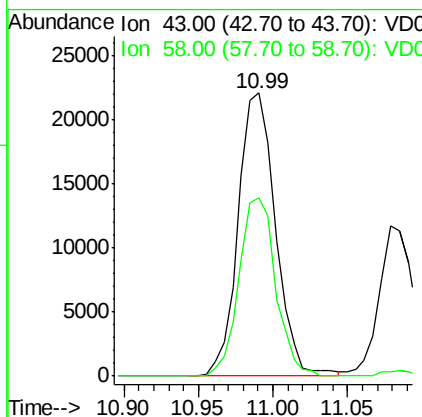
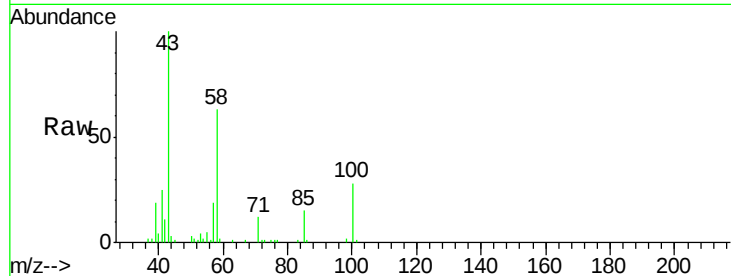


#59
2-Hexanone
Concen: 88.215 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

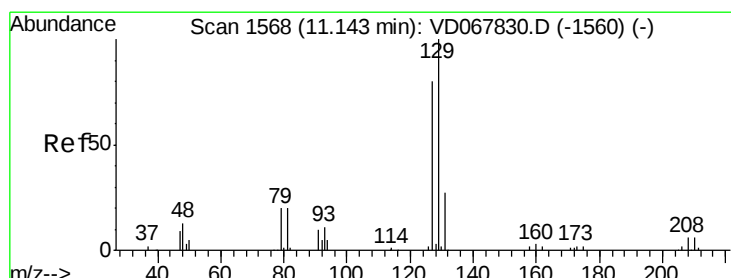
Tot Ion: 43 Resp: 38463
Ion Ratio Lower Upper
43 100
58 61.7 29.9 89.7

Manual Integrations
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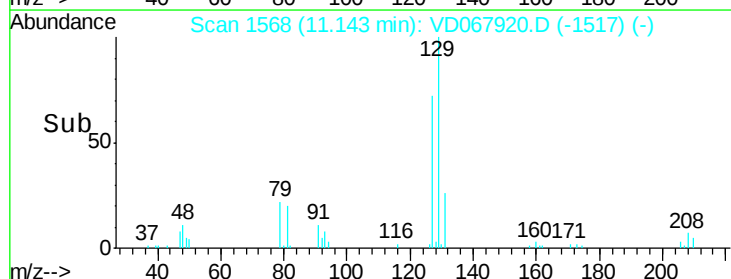
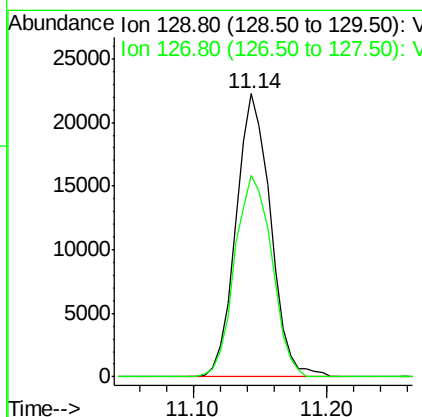
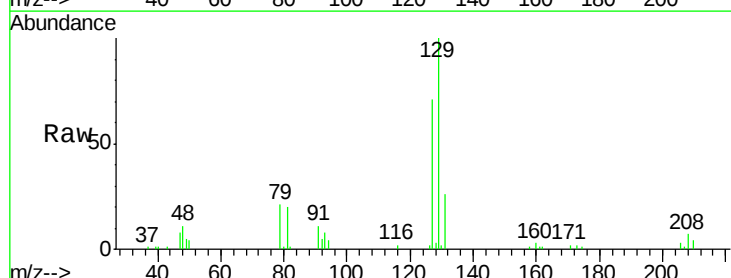
MMDadoda

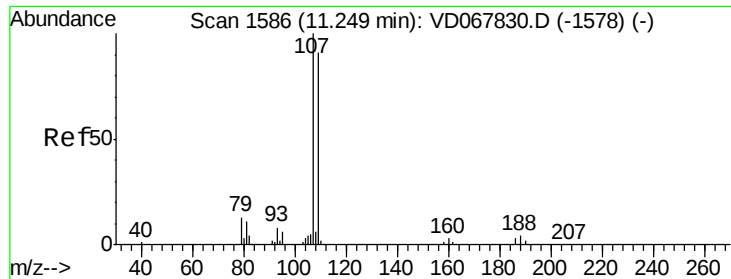
12/10/2020 10:19:29 AM



#60
Dibromochloromethane
Concen: 20.113 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Tgt Ion: 129 Resp: 39925
Ion Ratio Lower Upper
129 100
127 76.2 39.2 117.6



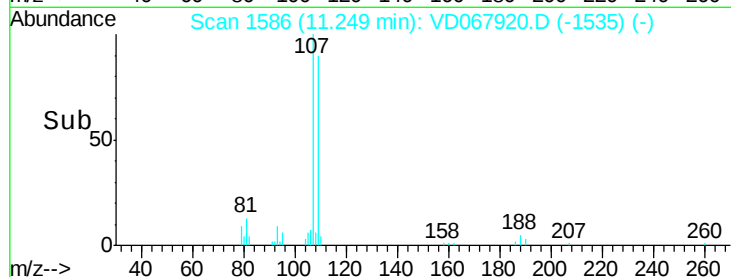
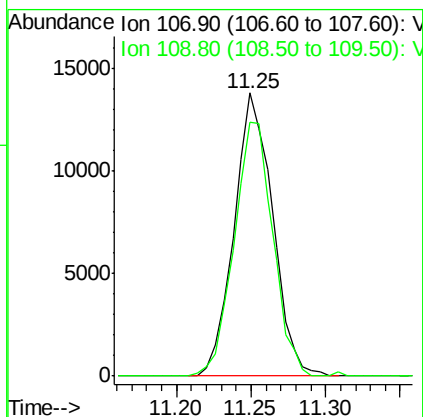
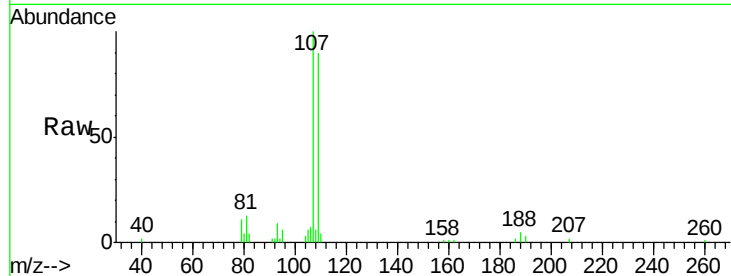


#61
 1,2-Dibromoethane
 Concen: 19.044 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067920.D
 Acq: 09 Dec 2020 11:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

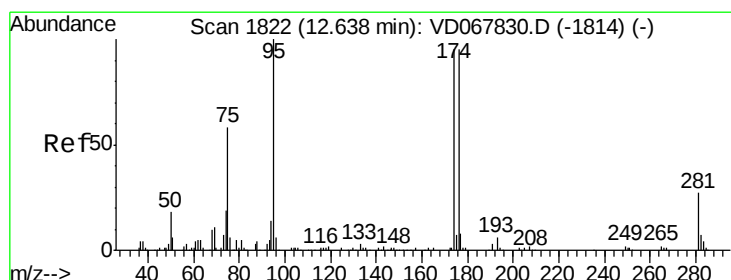
Tot Ion: 107 Resp: 24662
 Ion Ratio Lower Upper
 107 100
 109 90.7 75.9 113.9

Manual Integrations
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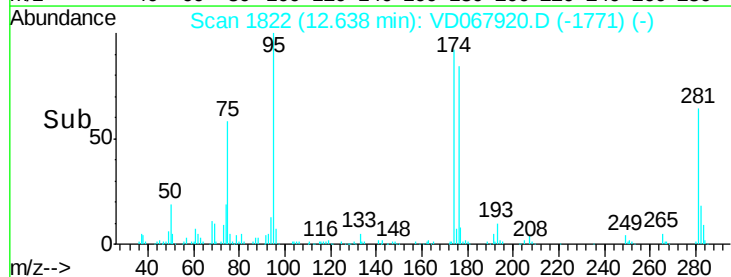
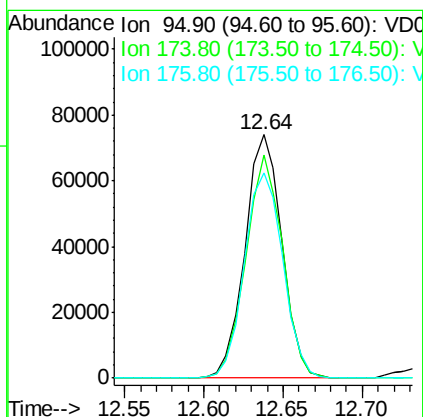
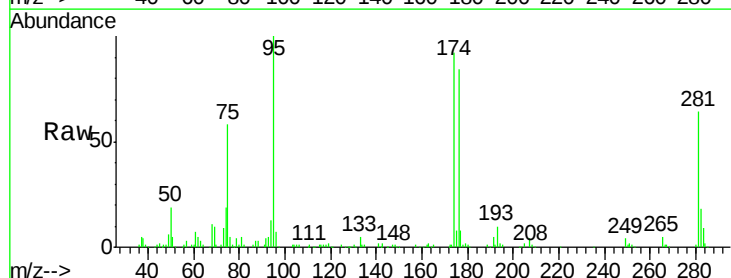
MMDadoda

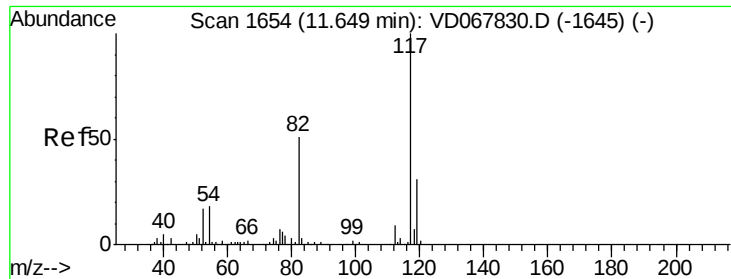
12/10/2020 10:19:29 AM



#62
 4-Bromofluorobenzene
 Concen: 50.533 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067920.D
 Acq: 09 Dec 2020 11:37

Tgt Ion: 95 Resp: 119797
 Ion Ratio Lower Upper
 95 100
 174 90.9 0.0 186.0
 176 88.1 0.0 184.2



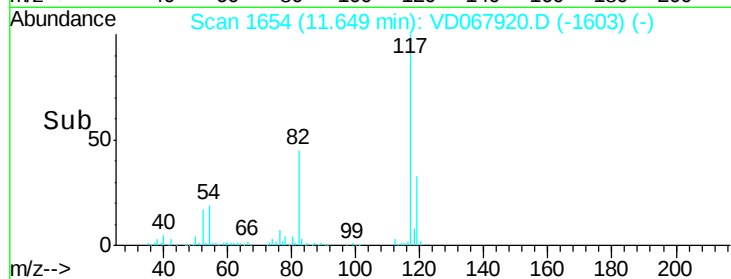
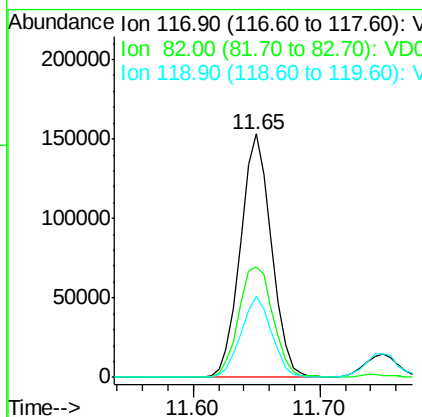
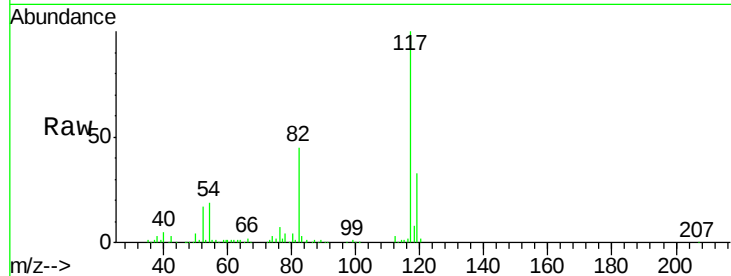


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

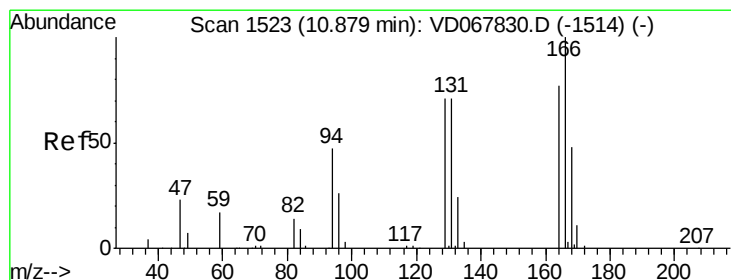
Tot Ion	Ratio	Lower	Upper
117	100		
82	45.2	40.6	60.8
119	33.2	25.1	37.7

Manual Integrations
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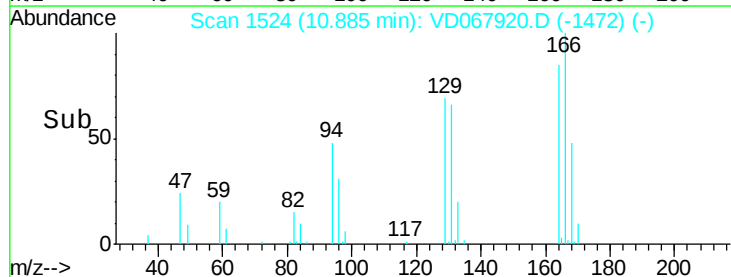
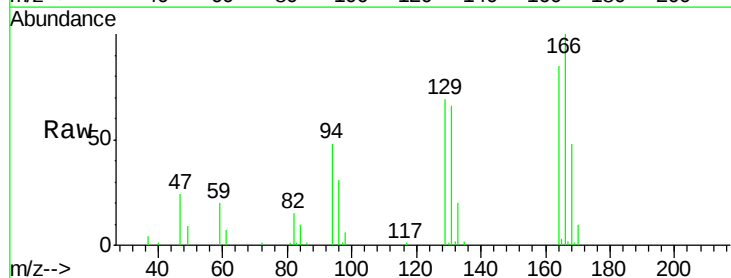
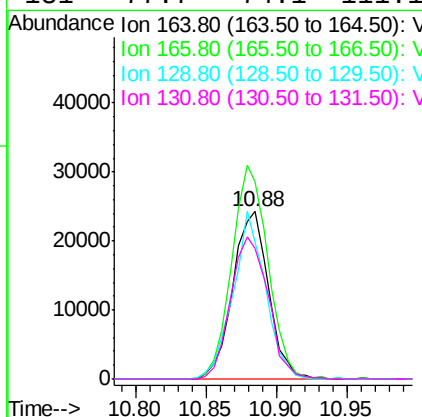
MMDadoda

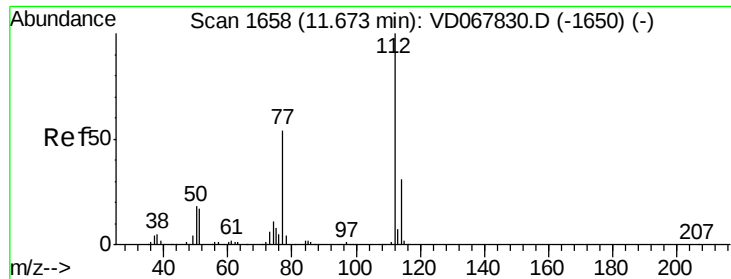
12/10/2020 10:19:29 AM



#64
Tetrachloroethene
Concen: 20.243 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. 0.01 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.1	103.8	155.6
129	82.1	73.3	109.9
131	77.7	74.1	111.1



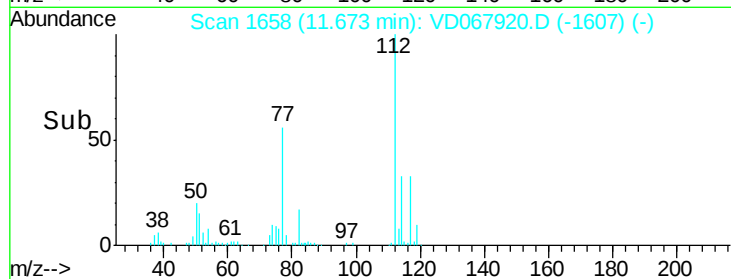
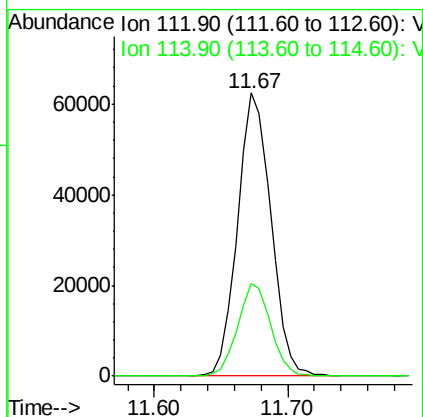
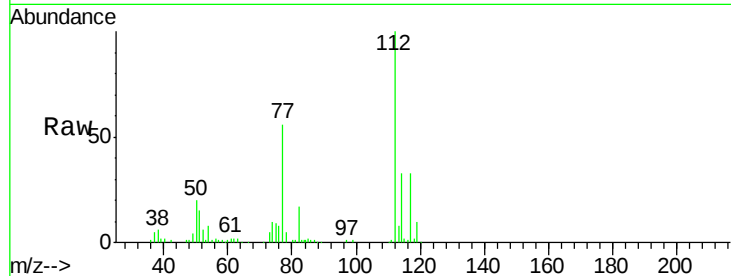


#65
Chlorobenzene
Concen: 20.107 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

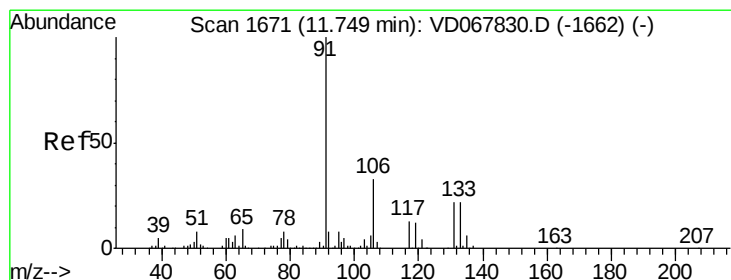
Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	25.0	37.4

Manual Integrations
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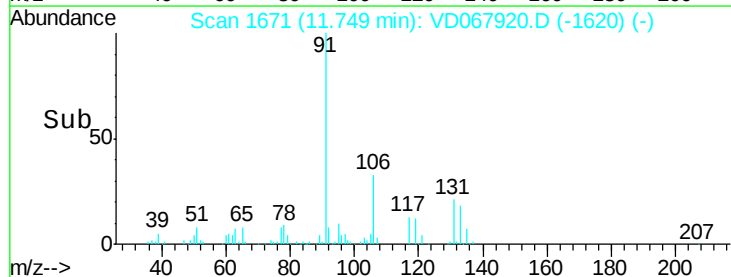
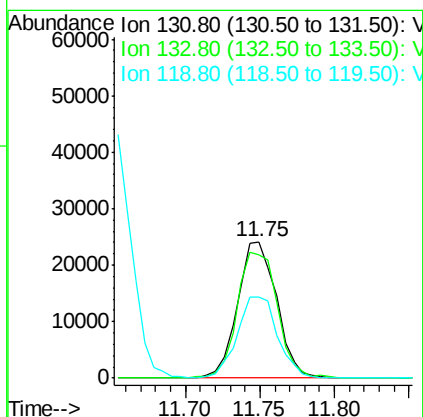
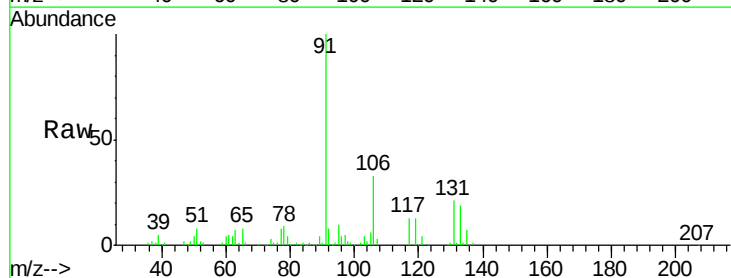
MMDadoda

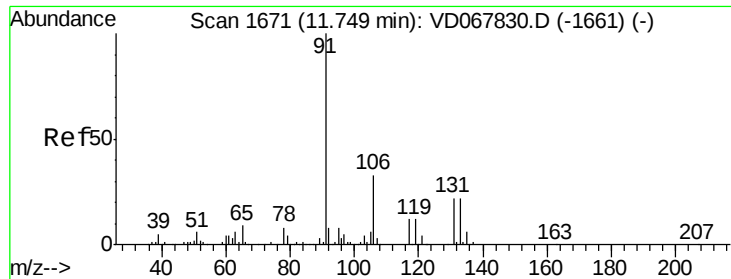
12/10/2020 10:19:29 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.969 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	49.9	149.7
119	62.2	29.6	88.9



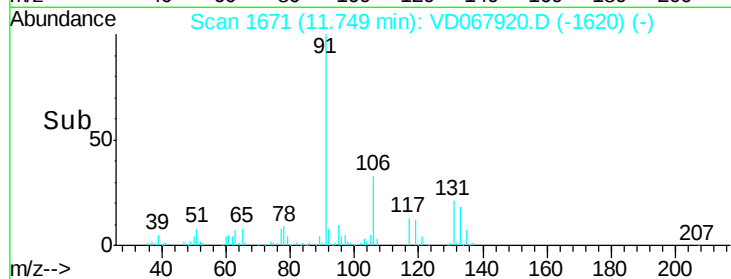
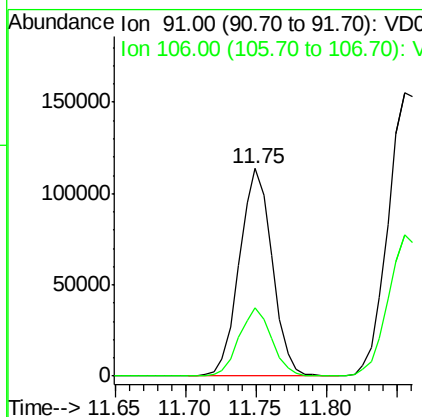
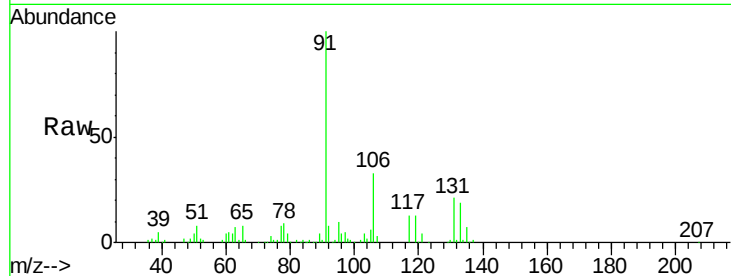


#67
Ethyl Benzene
Concen: 20.249 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

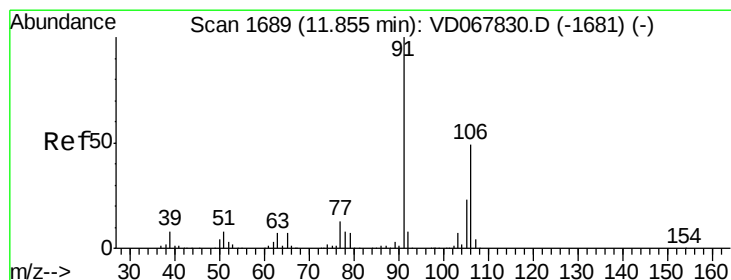
Tot Ion: 91 Resp: 184927
Ion Ratio Lower Upper
91 100
106 32.7 26.2 39.2

Manual Integrations
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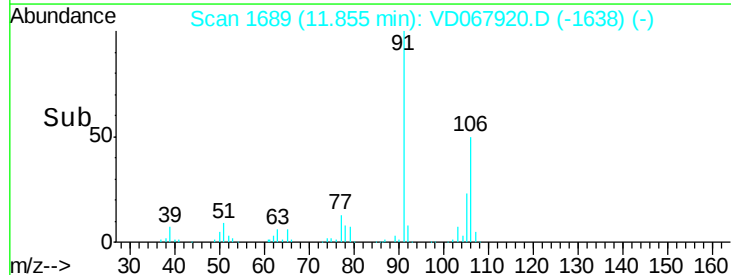
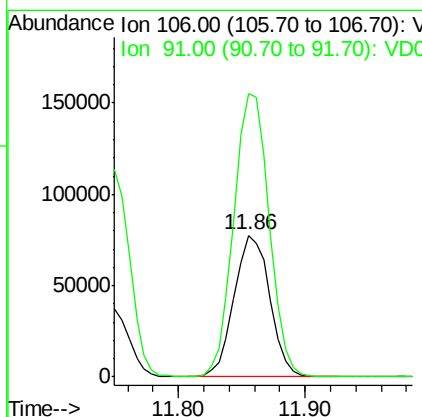
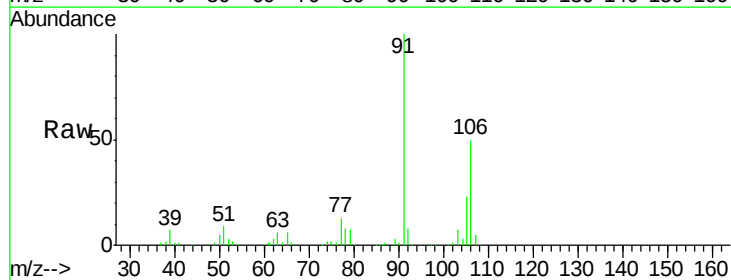
MMDadoda

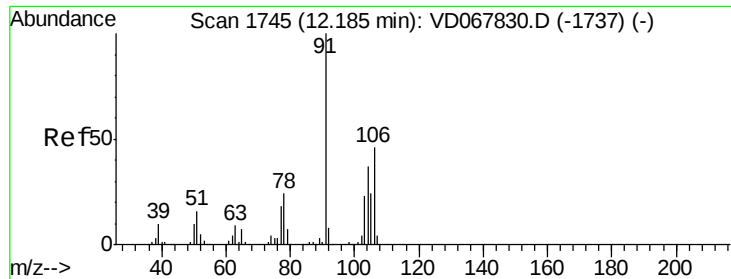
12/10/2020 10:19:29 AM



#68
m/p-Xylenes
Concen: 42.036 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Tgt Ion: 106 Resp: 151377
Ion Ratio Lower Upper
106 100
91 198.9 162.8 244.2



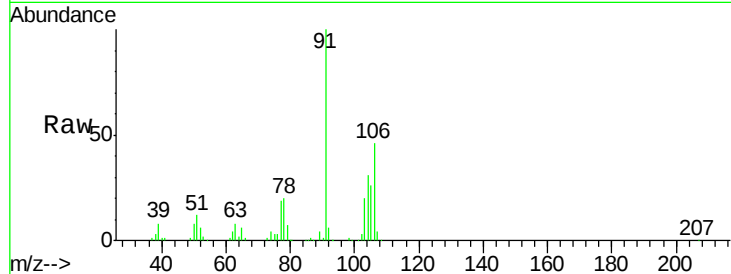


#69
o-Xylene
Concen: 21.133 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

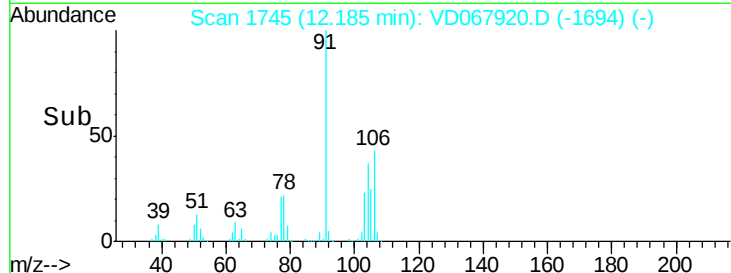
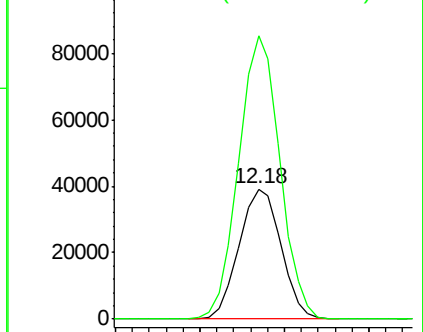
Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion:106 Resp: 67562
Ion Ratio Lower Upper
106 100
91 214.4 107.5 322.5

Manual Integrations
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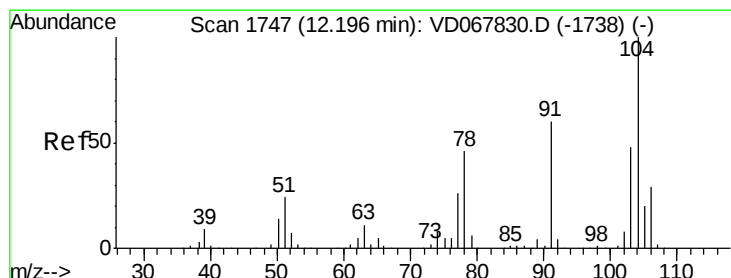


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V



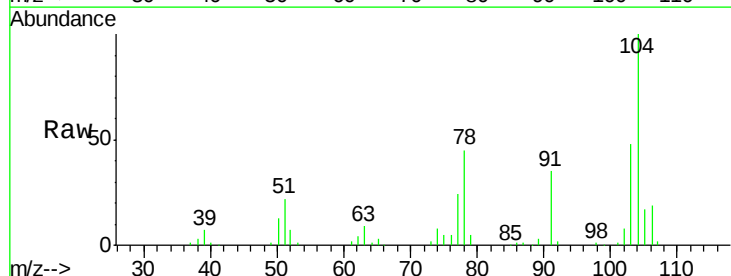
MMDadoda

12/10/2020 10:19:29 AM

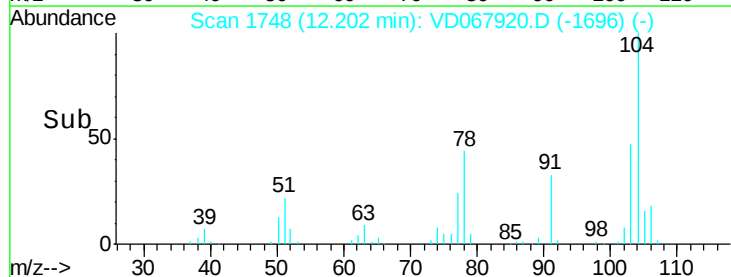
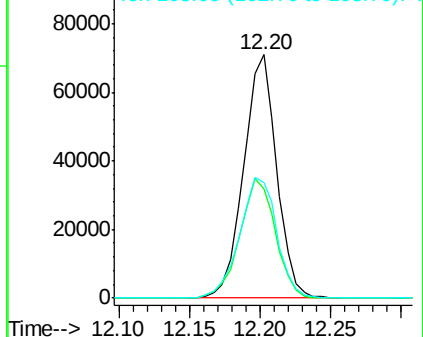


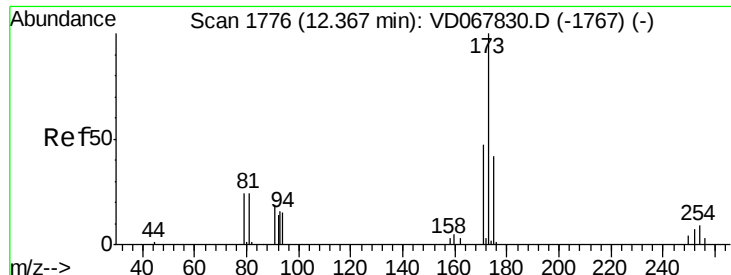
#70
Styrene
Concen: 20.854 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Tgt Ion:104 Resp: 115931
Ion Ratio Lower Upper
104 100
78 52.9 41.6 62.4
103 56.0 43.2 64.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V



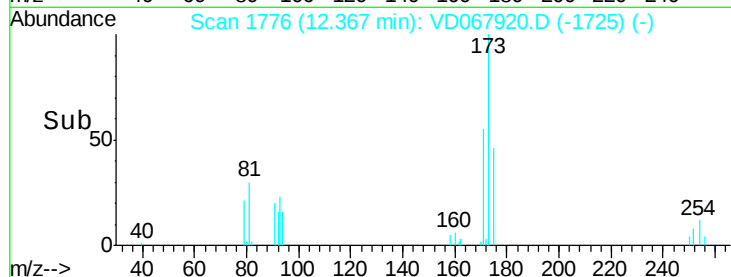
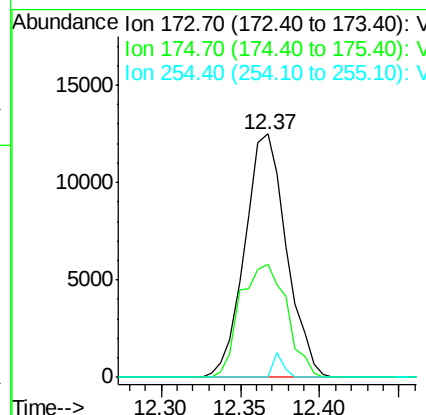
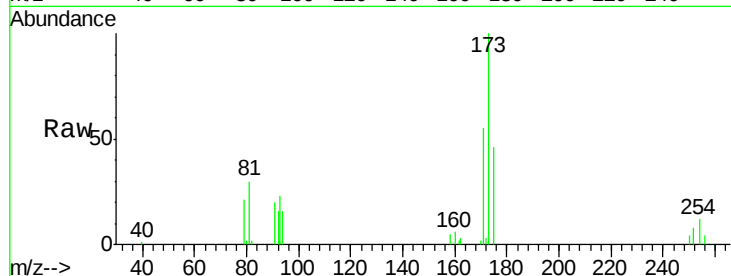


#71
Bromoform
Concen: 19.715 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

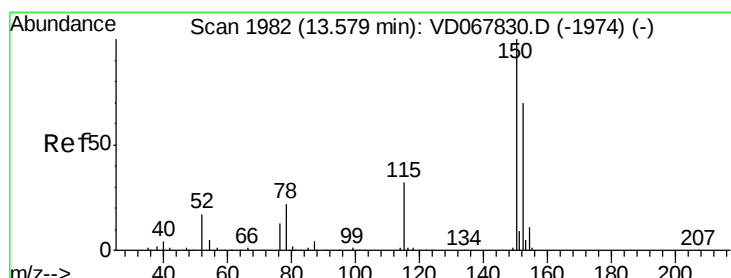
Tot Ion	Ratio	Lower	Upper
173	100		
175	51.8	23.4	70.3
254	2.6	0.1	0.1

Manual Integrations
APPROVED



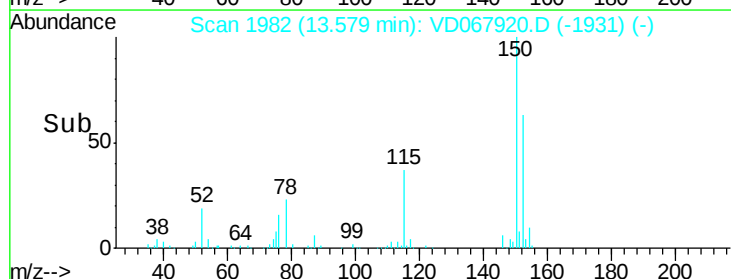
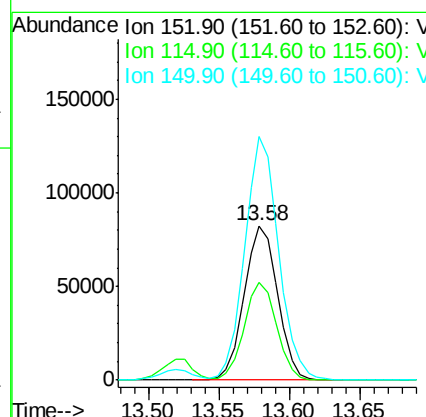
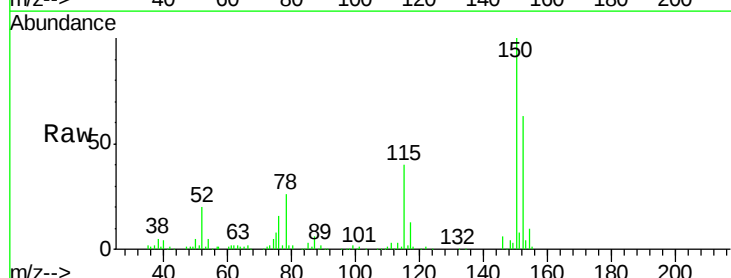
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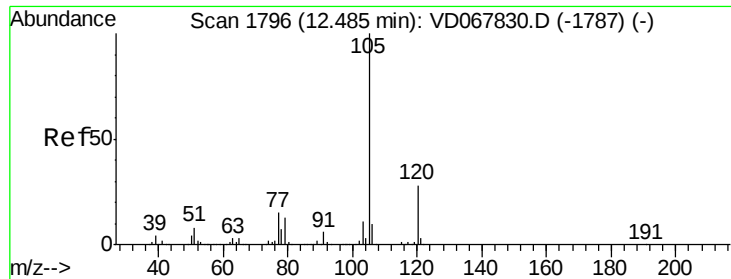
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.8	29.1	87.4
150	160.4	0.0	339.0





#73

Isopropylbenzene

Concen: 20.429 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067920.D

Acq: 09 Dec 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

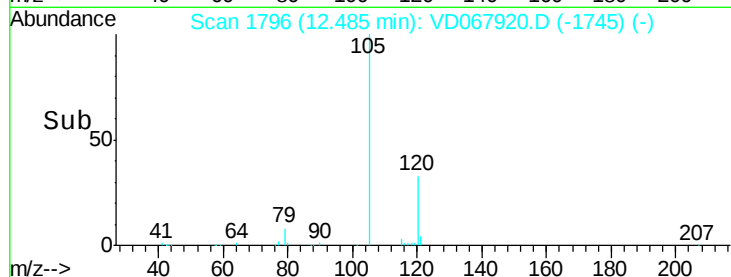
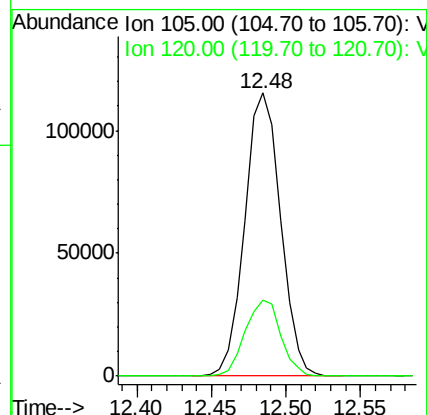
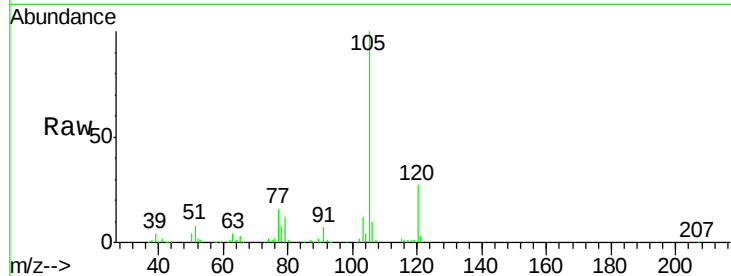
Tot Ion: 105 Resp: 191127

Ion Ratio Lower Upper

105 100

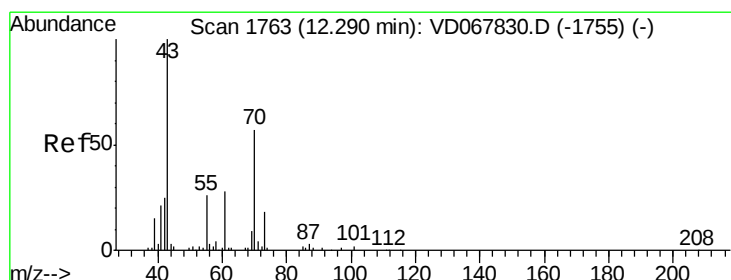
120 27.0 13.9 41.6

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#74

N-ethyl acetate

Concen: 17.944 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067920.D

Acq: 09 Dec 2020 11:37

Tgt Ion: 43 Resp: 20766

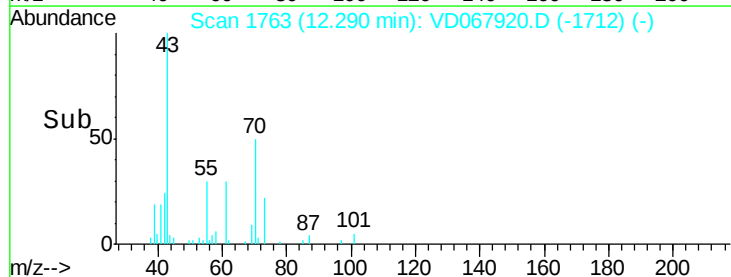
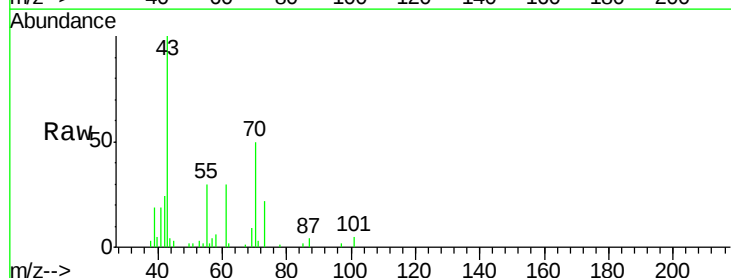
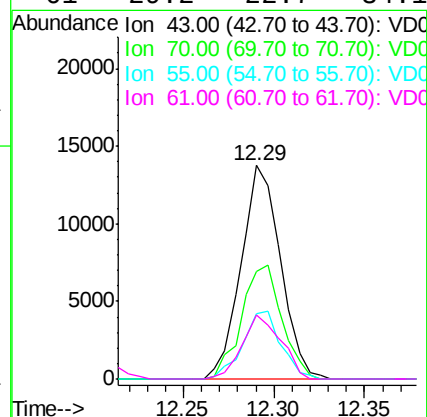
Ion Ratio Lower Upper

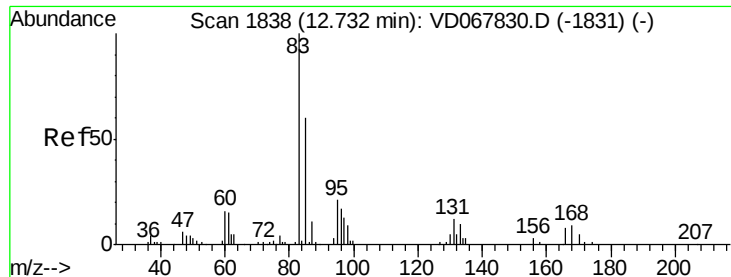
43 100

70 54.8 44.6 66.8

55 30.9 22.2 33.2

61 29.2 22.7 34.1





#75

1,1,2,2-Tetrachloroethane

Concen: 18.090 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD067920.D

Acq: 09 Dec 2020 11:37

Instrument :

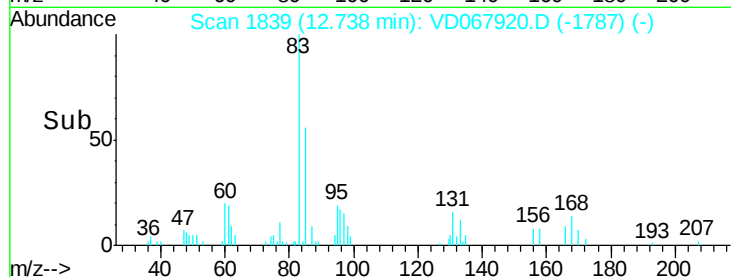
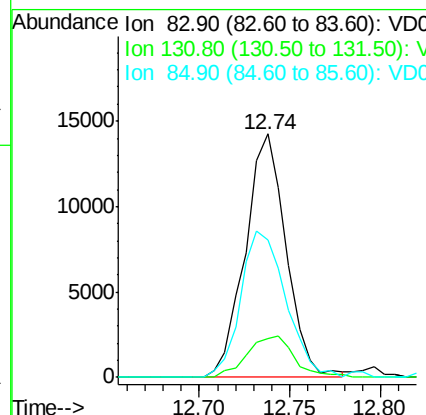
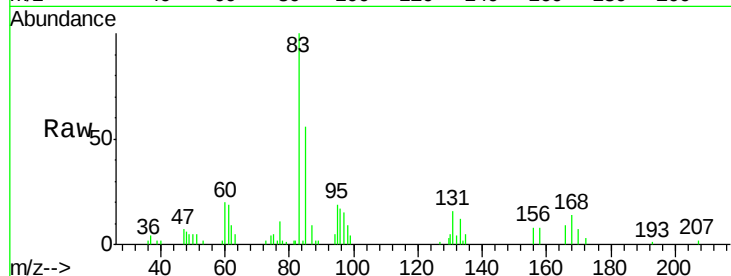
MSVOA_D

ClientSampleId :

VD1209SBS01

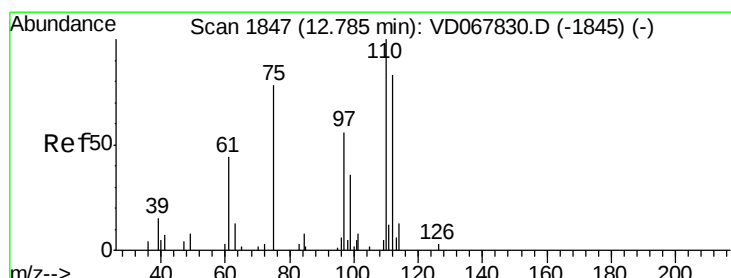
Tot Ion:	83	Resp:	22345
Ion Ratio	Lower	Upper	
83	100		
131	19.5	8.0	24.0
85	66.4	31.7	95.1

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#76

1,2,3-Trichloropropane

Concen: 18.709 ug/l m

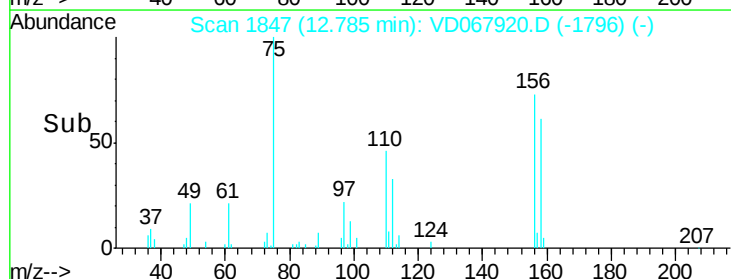
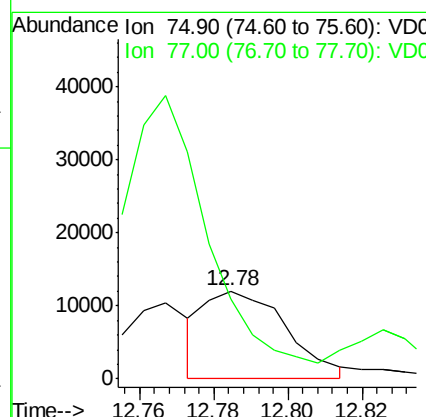
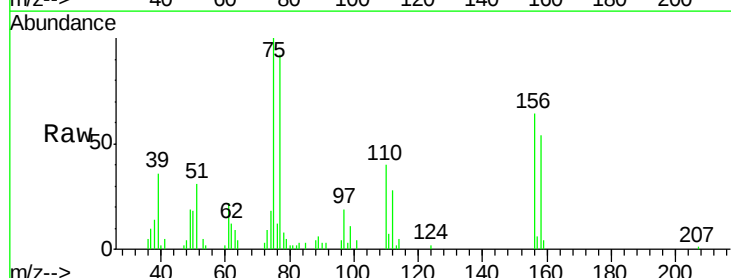
RT: 12.78 min Scan# 1847

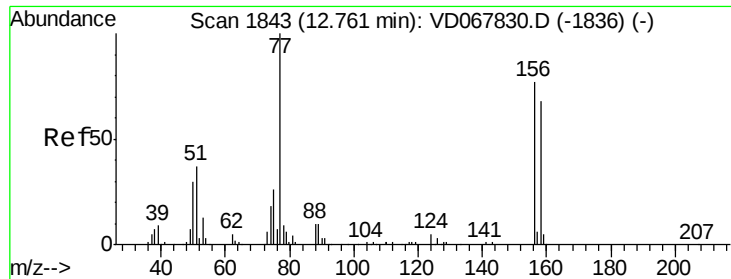
Delta R.T. -0.00 min

Lab File: VD067920.D

Acq: 09 Dec 2020 11:37

Tgt Ion:	75	Resp:	18535
Ion Ratio	Lower	Upper	
75	100		
77	367.2	175.9	527.7



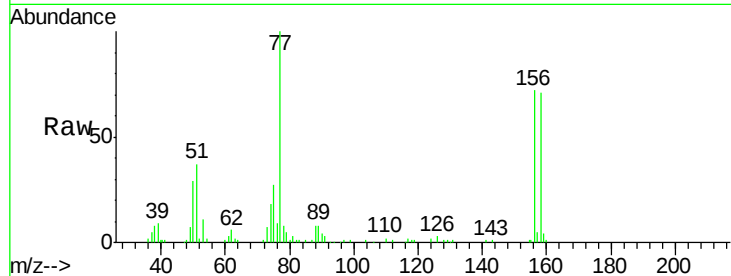


#77
Bromobenzene
Concen: 20.267 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

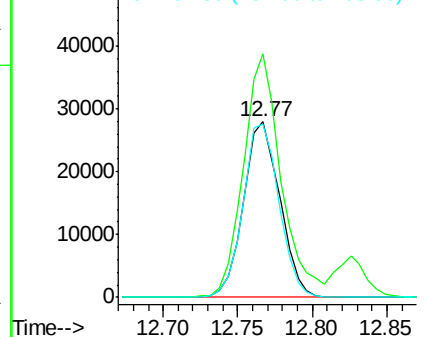
Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	144.4	71.5	214.5
158	98.0	47.1	141.4

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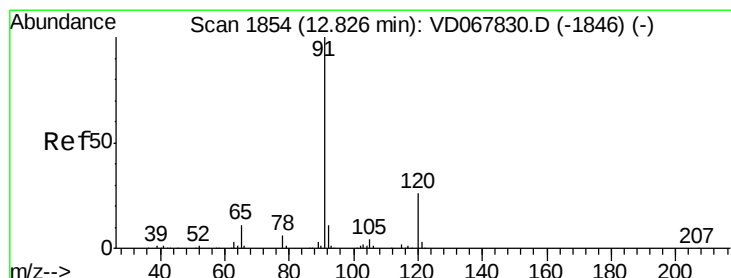
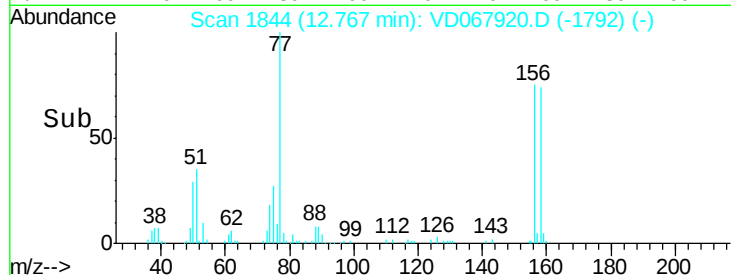


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VDC
Ion 157.80 (157.50 to 158.50): V



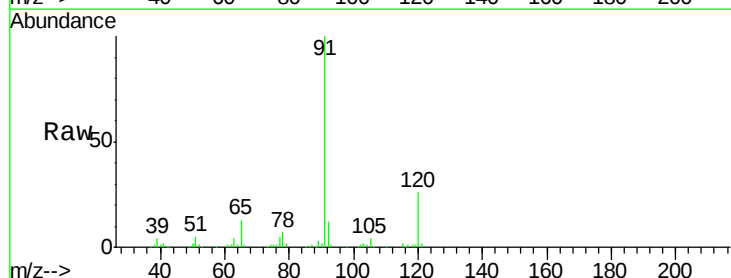
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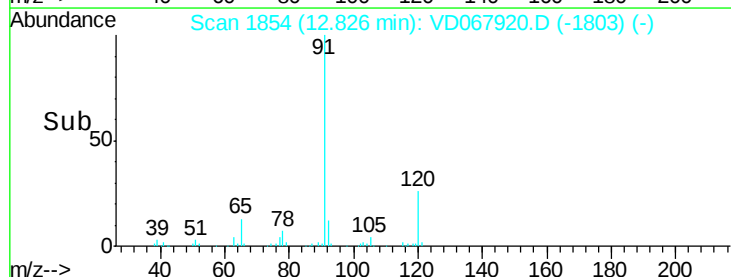
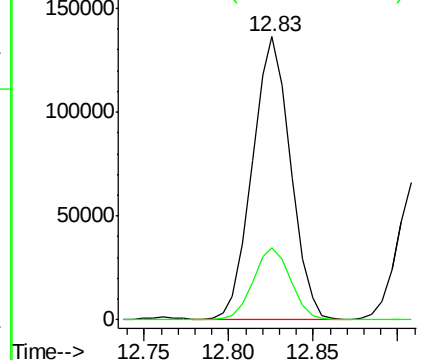


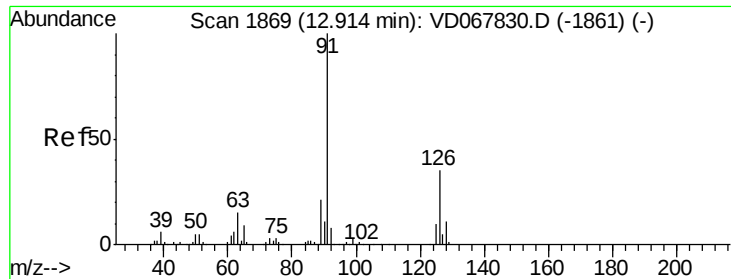
#78
n-propylbenzene
Concen: 20.544 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.0	12.7	38.0



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.00 (119.70 to 120.70): V



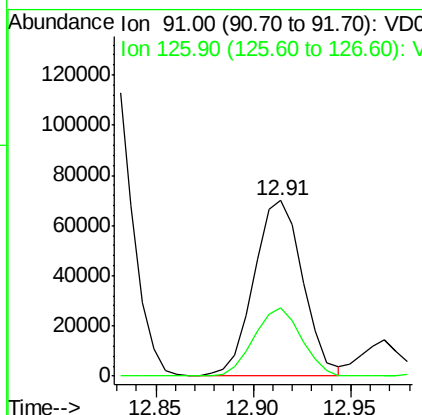
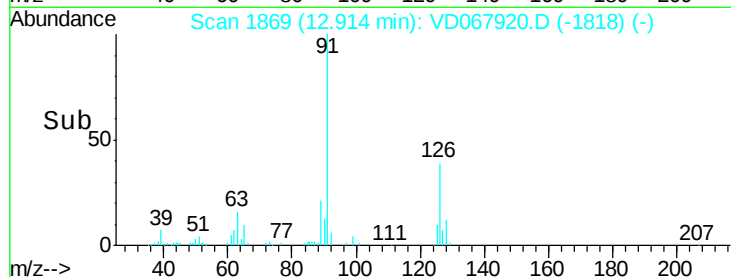
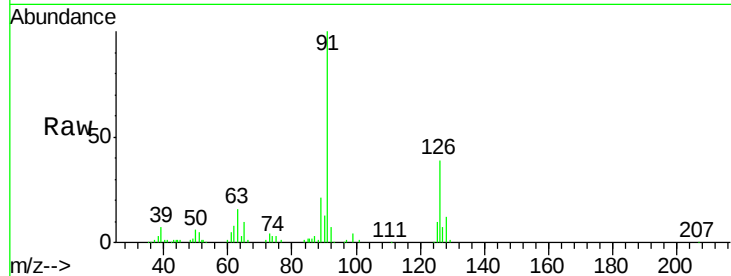


#79
2-Chlorotoluene
Concen: 19.848 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

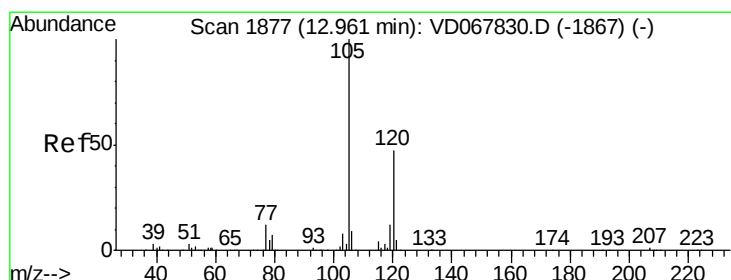
Tot Ion: 91 Resp: 121078
Ion Ratio Lower Upper
91 100
126 37.9 17.9 53.7

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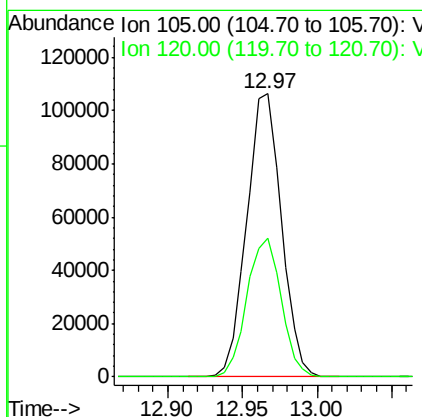
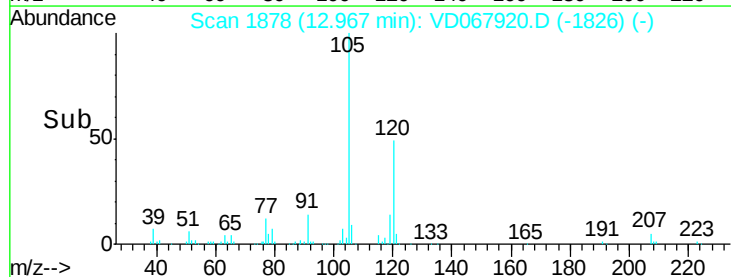
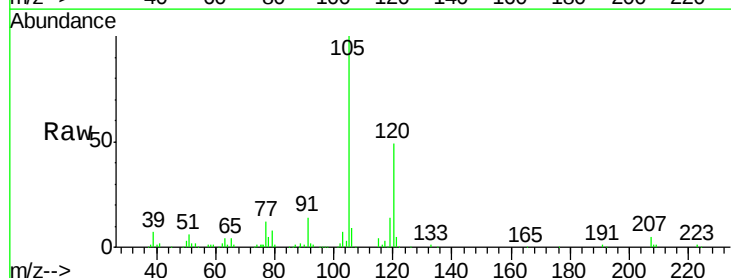
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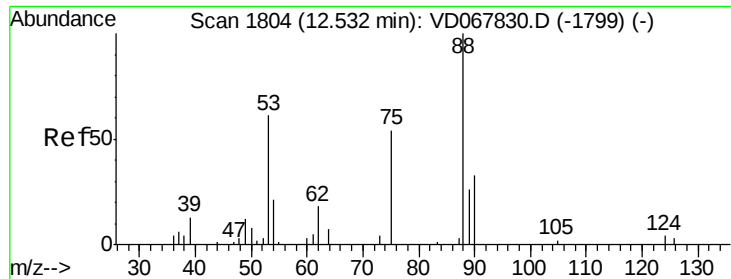
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#80
1,3,5-Trimethylbenzene
Concen: 21.102 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.01 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Tgt Ion: 105 Resp: 170927
Ion Ratio Lower Upper
105 100
120 48.5 24.3 72.9



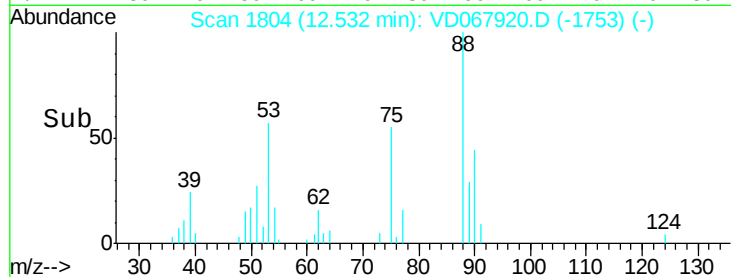
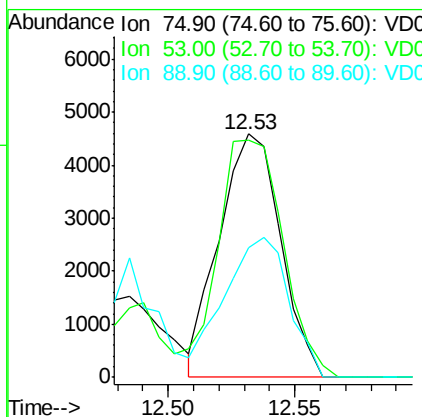
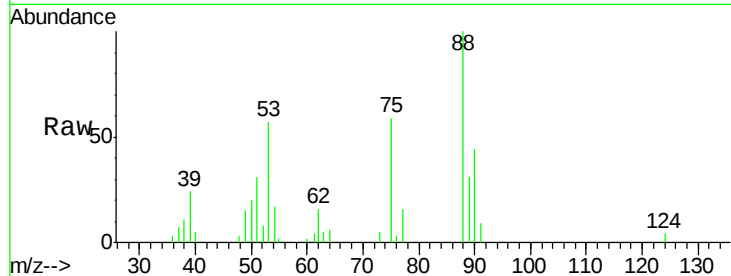


#81
trans-1,4-Dichloro-2-butene
Concen: 18.633 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

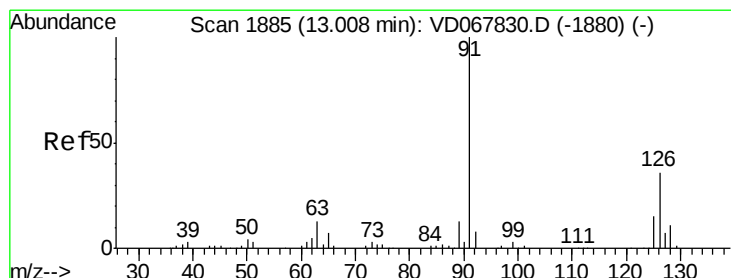
Tot Ion: 75 Resp: 7717
Ion Ratio Lower Upper
75 100
53 104.4 84.6 127.0
89 60.3 41.0 61.6

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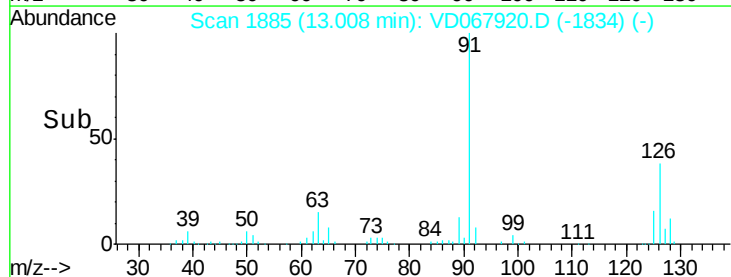
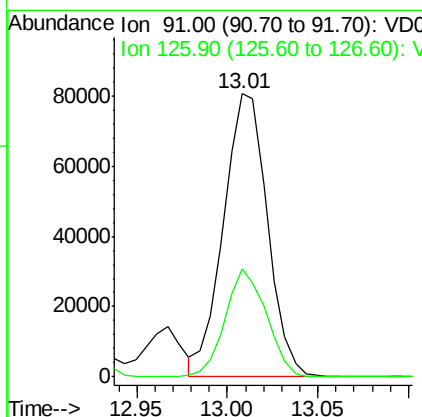
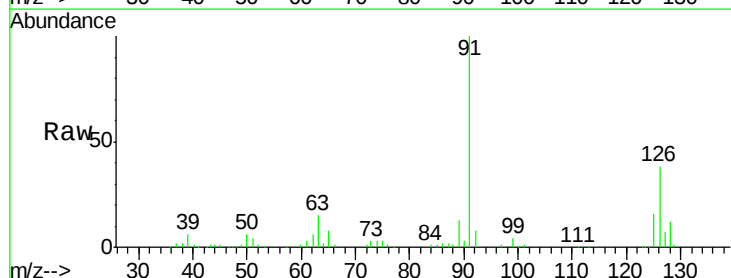
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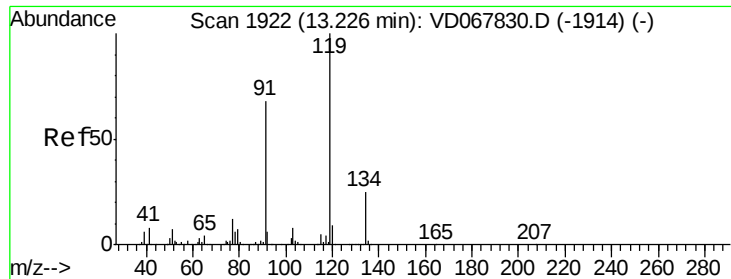
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#82
4-Chlorotoluene
Concen: 20.792 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Tgt Ion: 91 Resp: 135297
Ion Ratio Lower Upper
91 100
126 36.0 18.1 54.4





#83

tert-Butylbenzene

Concen: 21.500 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VD067920.D

Acq: 09 Dec 2020 11:37

Instrument :

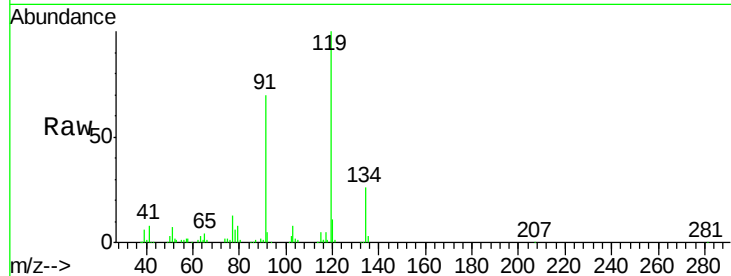
MSVOA_D

ClientSampleId :

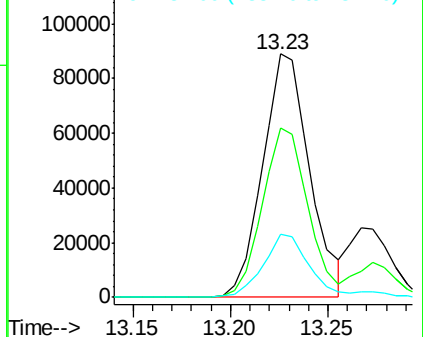
VD1209SBS01

Tot Ion:	119	Resp:	148198
Ion Ratio	Lower	Upper	
119	100		
91	67.5	33.1	99.3
134	25.3	13.6	40.8

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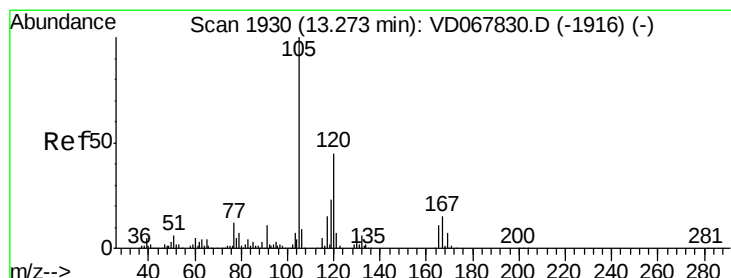
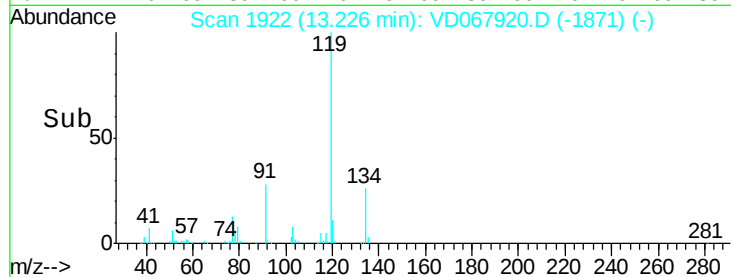


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



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#84

1,2,4-Trimethylbenzene

Concen: 20.868 ug/l

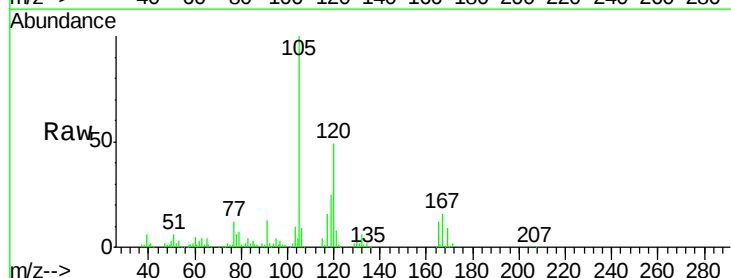
RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

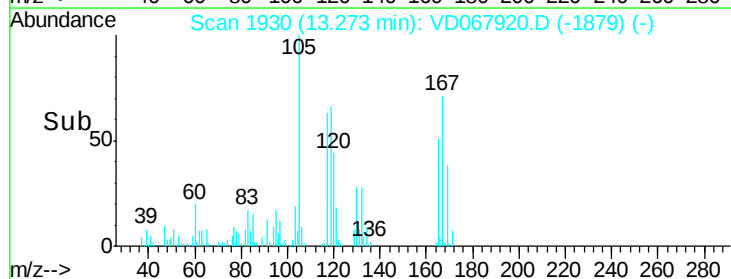
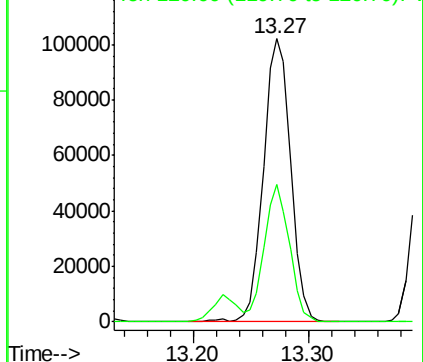
Lab File: VD067920.D

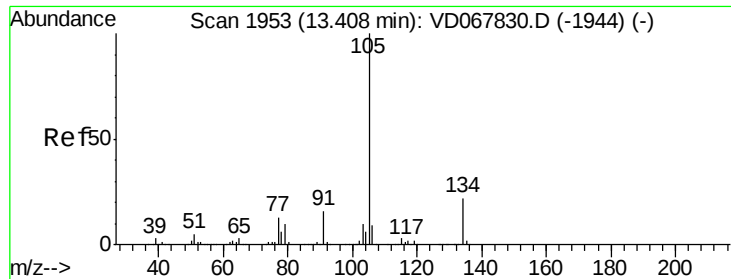
Acq: 09 Dec 2020 11:37

Tgt Ion:	105	Resp:	168084
Ion Ratio	Lower	Upper	
105	100		
120	45.3	22.1	66.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



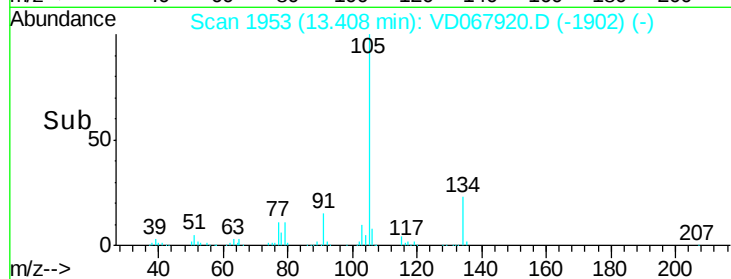
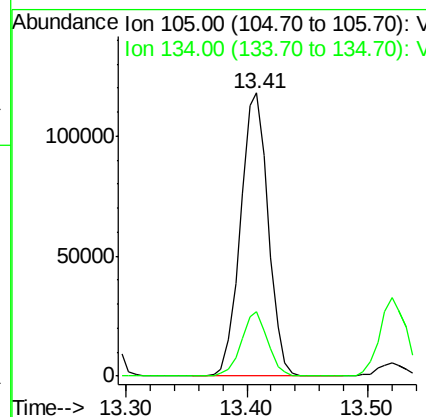
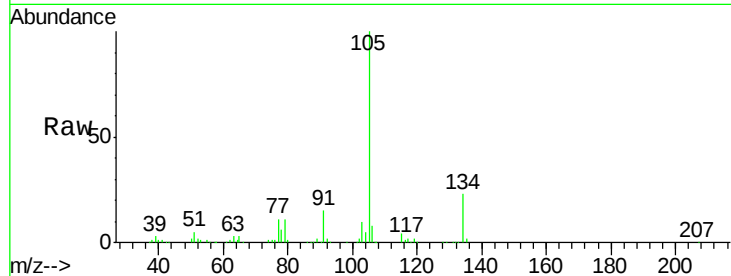


#85
 sec-Butylbenzene
 Concen: 20.452 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067920.D
 Acq: 09 Dec 2020 11:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

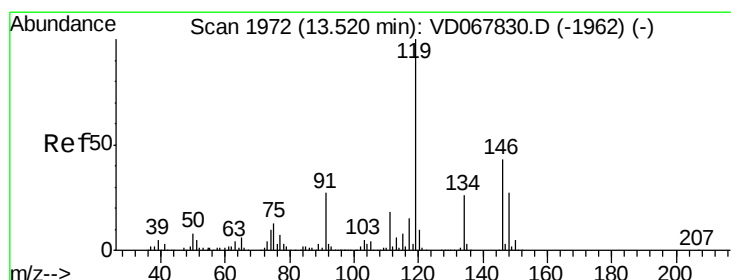
Tot Ion	Ratio	Lower	Upper
105	100		
134	21.6	10.9	32.9

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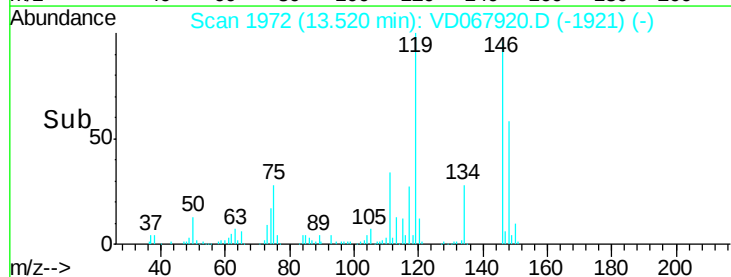
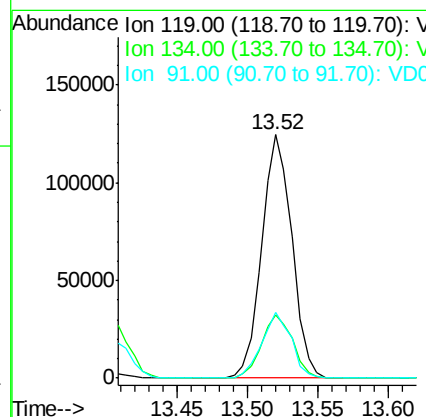
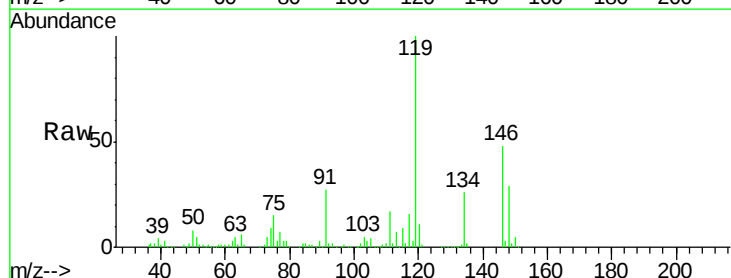
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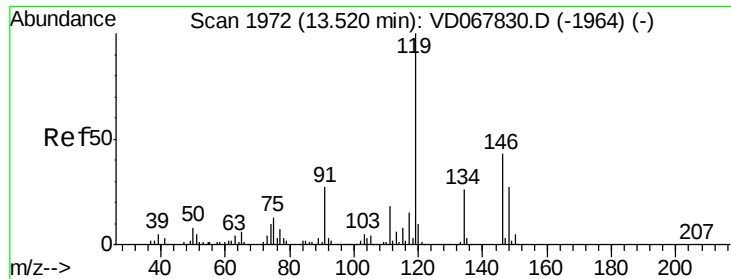
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#86
 p-Isopropyltoluene
 Concen: 20.839 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067920.D
 Acq: 09 Dec 2020 11:37

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.1	39.3
91	26.5	12.8	38.3



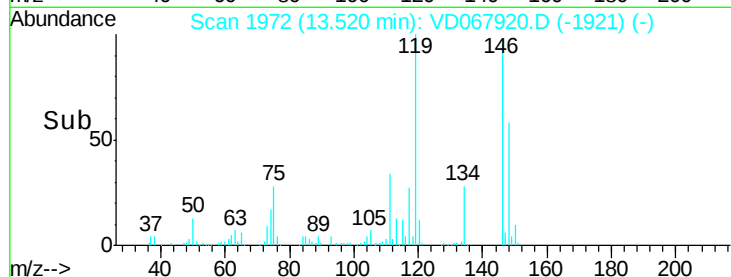
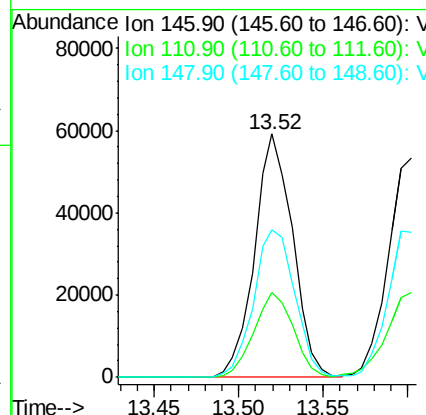
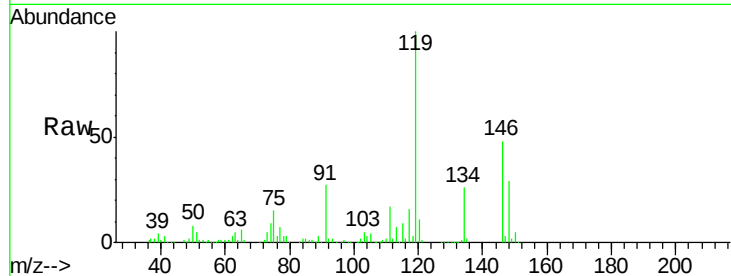


#87
 1,3-Dichlorobenzene
 Concen: 20.750 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067920.D
 Acq: 09 Dec 2020 11:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

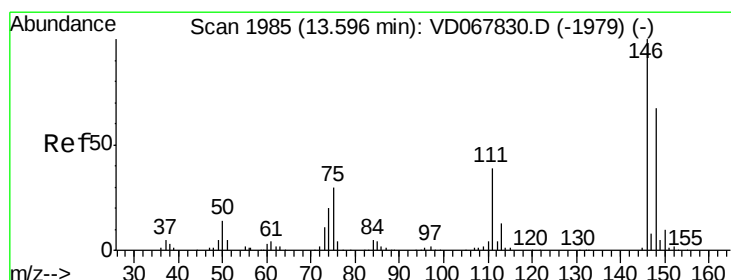
Tot Ion:	146	Resp:	93100
Ion Ratio	Lower	Upper	
146	100		
111	36.2	20.8	62.2
148	65.5	32.9	98.6

Manual Integrations
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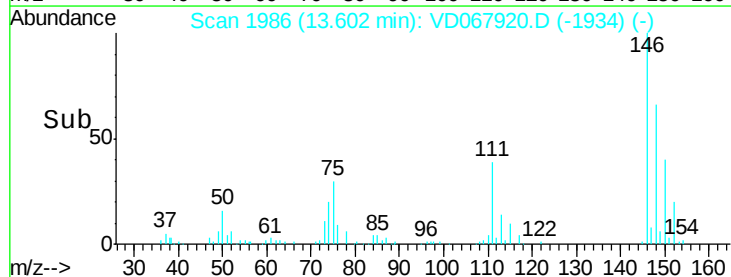
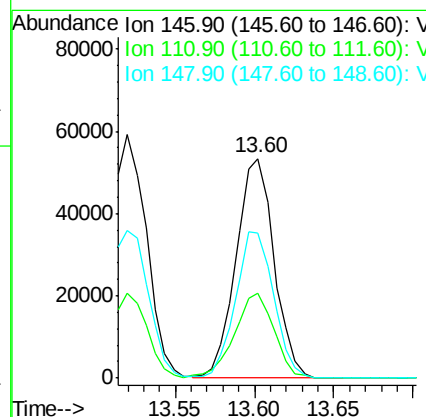
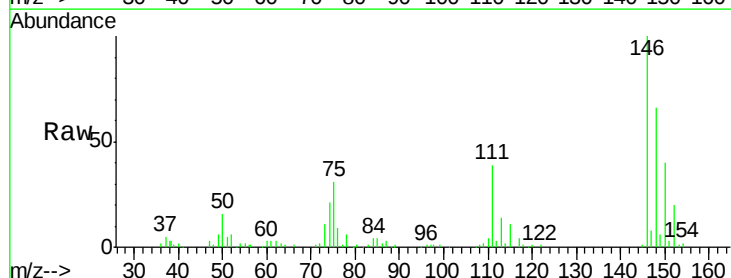
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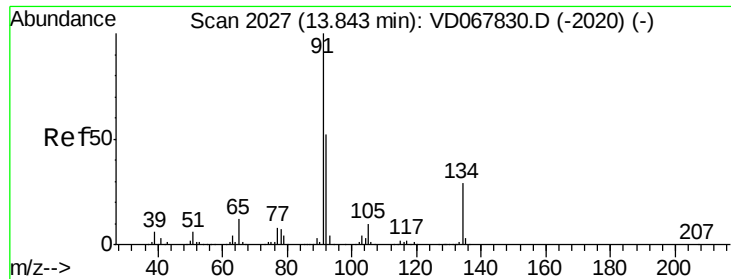
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#88
 1,4-Dichlorobenzene
 Concen: 19.804 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD067920.D
 Acq: 09 Dec 2020 11:37

Tgt Ion:	146	Resp:	88891
Ion Ratio	Lower	Upper	
146	100		
111	40.1	19.9	59.6
148	66.9	32.4	97.2



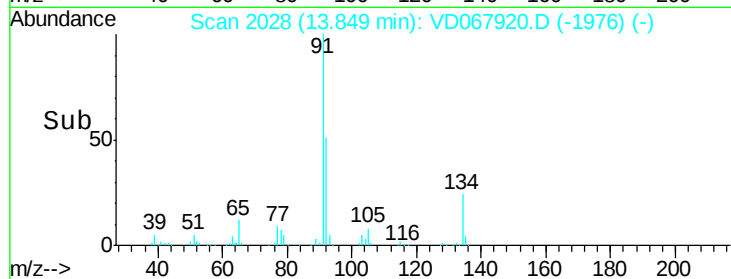
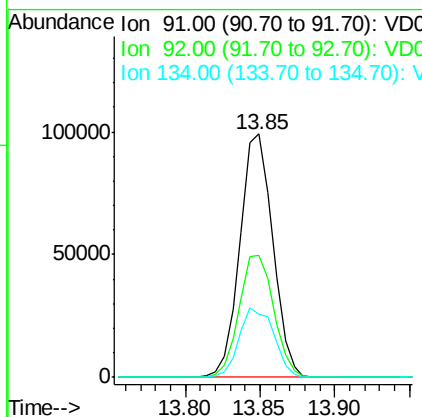
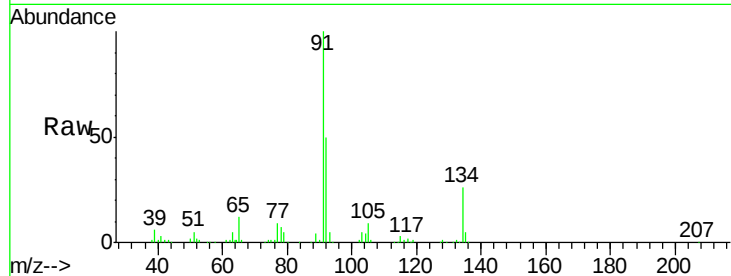


#89
n-Butylbenzene
Concen: 20.258 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

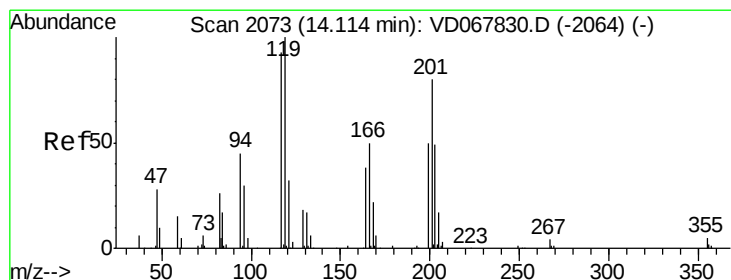
Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.3	78.8
134	30.3	14.8	44.3

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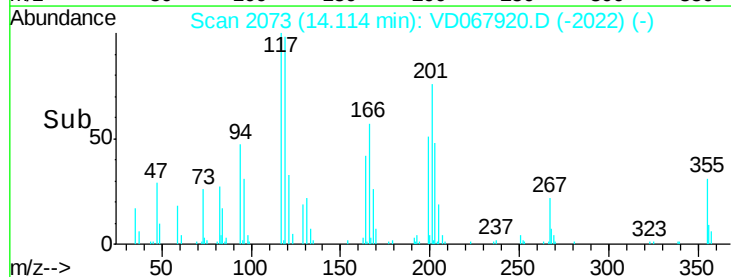
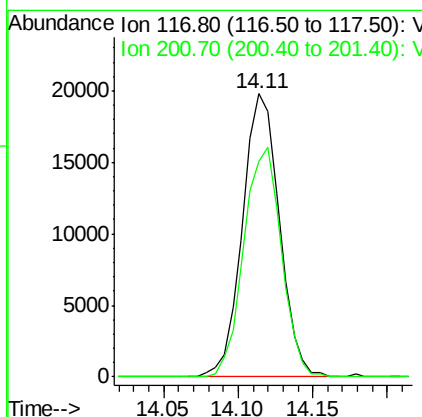
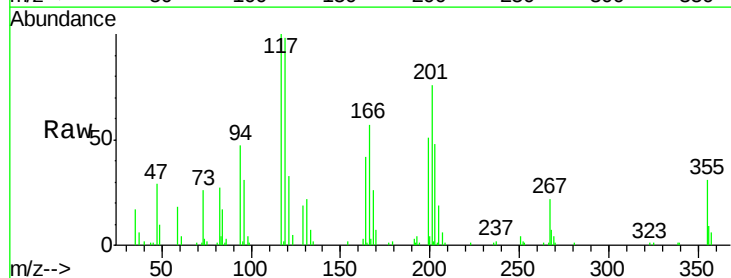
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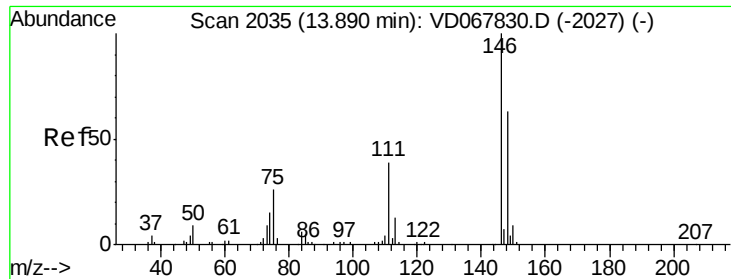
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#90
Hexachloroethane
Concen: 20.354 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.1	43.9	131.6



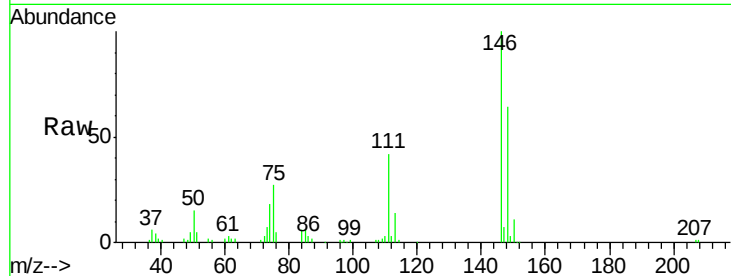


#91
 1,2-Dichlorobenzene
 Concen: 20.079 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD067920.D
 Acq: 09 Dec 2020 11:37

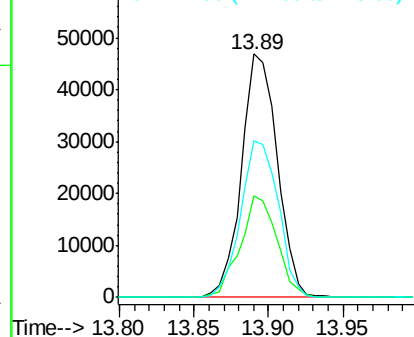
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.4	61.2
148	67.2	32.1	96.3

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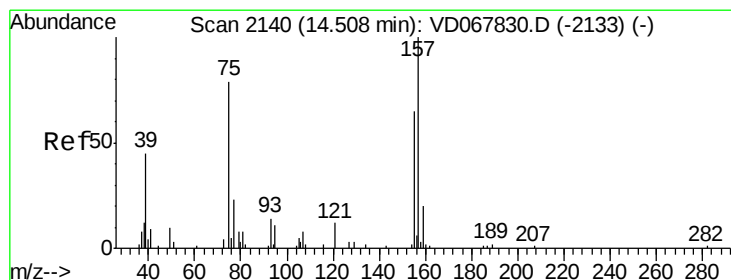
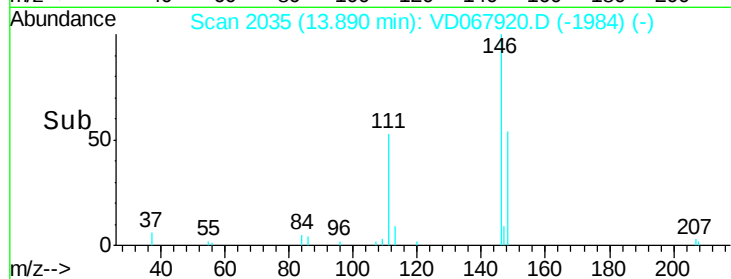


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



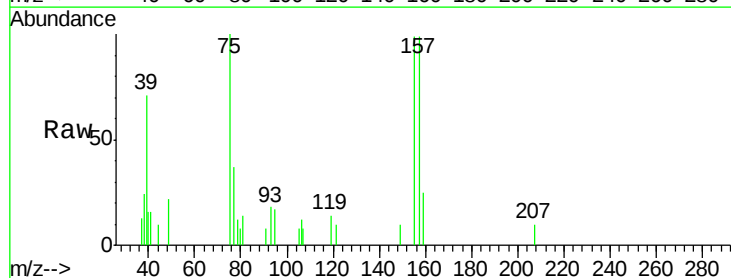
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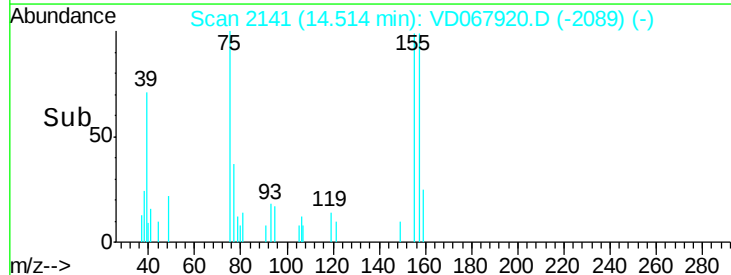
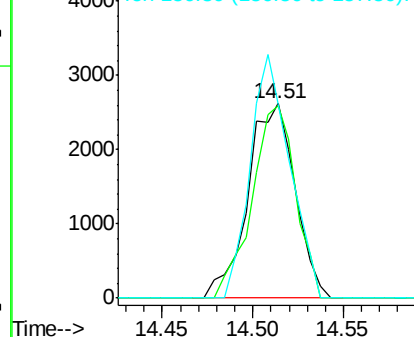


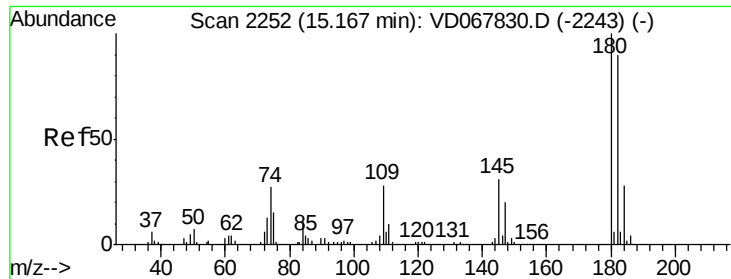
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.407 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD067920.D
 Acq: 09 Dec 2020 11:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.9	44.1	132.4
157	104.3	62.4	187.2



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V



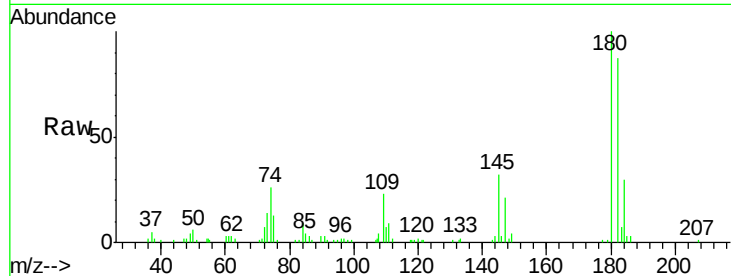


#93
 1,2,4-Trichlorobenzene
 Concen: 21.258 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD067920.D
 Acq: 09 Dec 2020 11:37

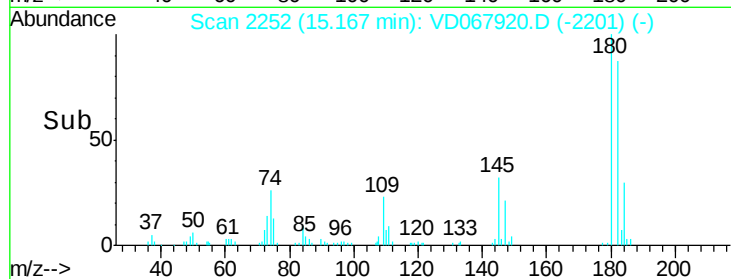
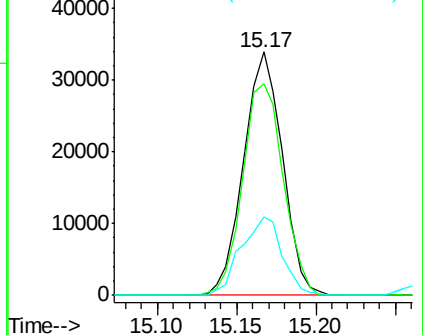
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.0	47.5	142.6
145	33.8	16.4	49.4

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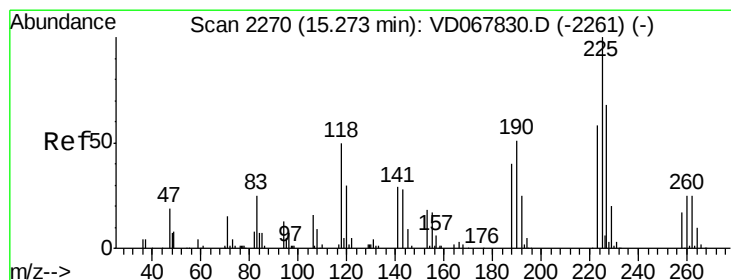


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



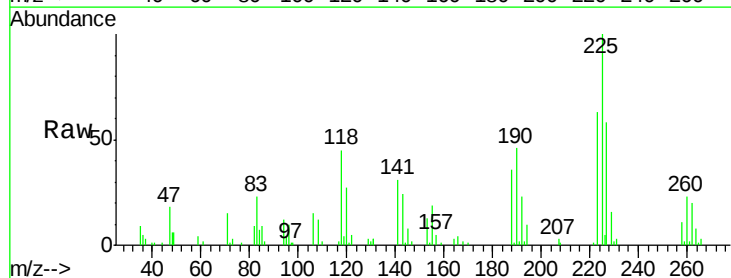
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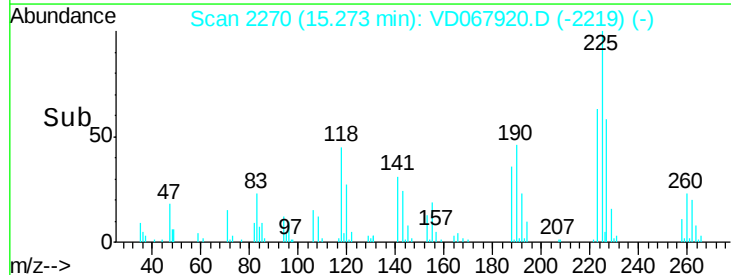
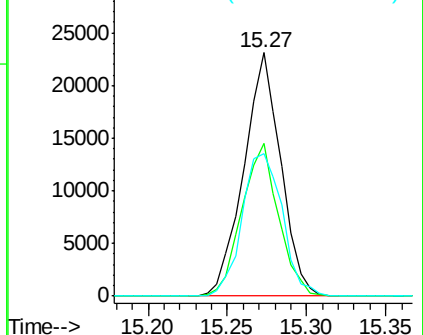


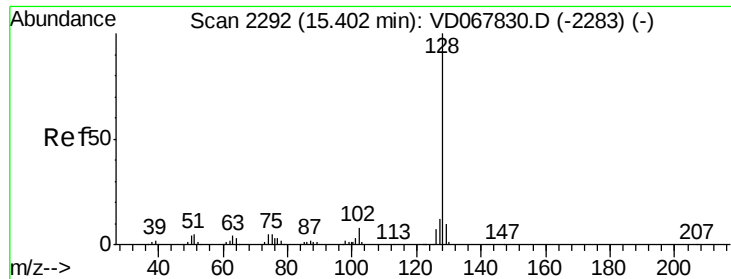
#94
 Hexachlorobutadiene
 Concen: 21.087 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067920.D
 Acq: 09 Dec 2020 11:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.1	93.3
227	63.7	33.1	99.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



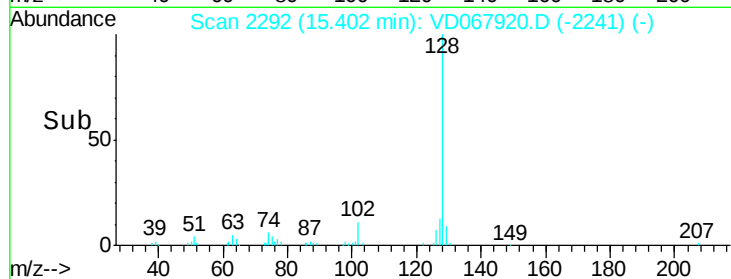
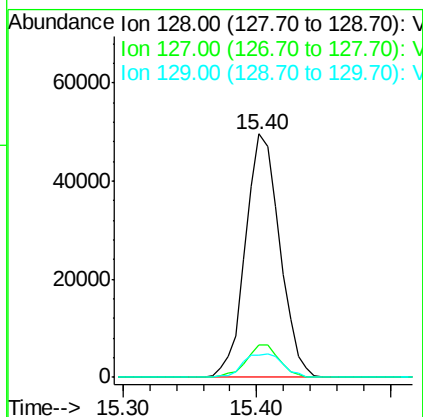
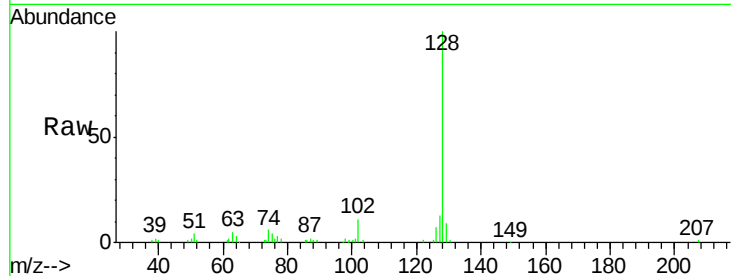


#95
Naphthalene
Concen: 19.830 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

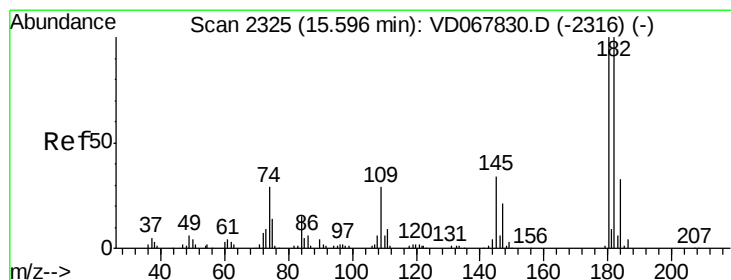
Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	15.8
129	11.0	9.0	13.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.236 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.01 min
Lab File: VD067920.D
Acq: 09 Dec 2020 11:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.3	142.0
145	33.4	16.8	50.4

