

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111120\
 Data File : VD067594.D
 Acq On : 11 Nov 2020 11:30
 Operator : VA/SY
 Sample : VD1111SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBS01

Manual Integrations
 APPROVED

MMDadoda

11/12/2020 1:11:40 PM

Quant Time: Nov 12 00:27:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	301132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	437142	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	389775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	206237	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	122968	46.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.40%	
35) Dibromofluoromethane	7.92	113	126247	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
50) Toluene-d8	10.34	98	440674	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	
62) 4-Bromofluorobenzene	12.64	95	156421	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	58357	21.333	ug/l	94
3) Chloromethane	2.21	50	36467	19.447	ug/l	92
4) Vinyl Chloride	2.35	62	38817	18.567	ug/l	97
5) Bromomethane	2.76	94	33130	19.551	ug/l	85
6) Chloroethane	2.92	64	25863	20.065	ug/l	93
7) Trichlorofluoromethane	3.27	101	114747	21.197	ug/l	92
8) Diethyl Ether	3.71	74	21474	19.687	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	58903	21.557	ug/l	98
10) Methyl Iodide	4.30	142	57765	19.724	ug/l	99
11) Tert butyl alcohol	5.20	59	19882	168.646	ug/l	97
12) 1,1-Dichloroethene	4.07	96	54190	21.560	ug/l	93
13) Acrolein	3.92	56	5242	68.119	ug/l	99
14) Allyl chloride	4.71	41	52394	19.478	ug/l	98
15) Acrylonitrile	5.42	53	40668	100.861	ug/l	94
16) Acetone	4.15	43	35809	90.880	ug/l	97
17) Carbon Disulfide	4.41	76	148634	19.299	ug/l	98
18) Methyl Acetate	4.71	43	16095	19.767	ug/l	91
19) Methyl tert-butyl Ether	5.48	73	103257	20.828	ug/l	95
20) Methylene Chloride	4.96	84	60665	21.796	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	60890	20.800	ug/l	87
22) Diisopropyl ether	6.37	45	107852	20.575	ug/l	97
23) Vinyl Acetate	6.31	43	278583	101.527	ug/l	97
24) 1,1-Dichloroethane	6.27	63	88734	20.691	ug/l	97
25) 2-Butanone	7.21	43	42617	101.222	ug/l	96
26) 2,2-Dichloropropane	7.21	77	97823	21.614	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	62271	20.494	ug/l	98
28) Bromochloromethane	7.55	49	28003	18.358	ug/l	96
29) Tetrahydrofuran	7.57	42	25502	101.120	ug/l	96
30) Chloroform	7.71	83	108267	21.162	ug/l	96
31) Cyclohexane	7.99	56	76684	20.080	ug/l #	91
32) 1,1,1-Trichloroethane	7.91	97	111723	21.165	ug/l	99
36) 1,1-Dichloropropene	8.11	75	79896	21.352	ug/l	98
37) Ethyl Acetate	7.29	43	20521	21.124	ug/l #	90
38) Carbon Tetrachloride	8.10	117	110058	22.638	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	88530	20.102	ug/l	93
40) Benzene	8.36	78	215915	21.302	ug/l	100
41) Methacrylonitrile	7.51	41	11291	19.444	ug/l	89
42) 1,2-Dichloroethane	8.43	62	68242	21.791	ug/l	99
43) Isopropyl Acetate	8.45	43	39964	20.801	ug/l	96
44) Trichloroethene	9.11	130	70469	21.145	ug/l	98
45) 1,2-Dichloropropane	9.39	63	45323	20.682	ug/l	95
46) Dibromomethane	9.48	93	30096	21.599	ug/l	96
47) Bromodichloromethane	9.67	83	81828	21.606	ug/l	100
48) Methyl methacrylate	9.46	41	18989	19.143	ug/l	88
49) 1,4-Dioxane	9.47	88	6705	474.014	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	97051	105.623	ug/l	98
52) Toluene	10.41	92	147803	21.771	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	68671	21.171	ug/l	93
54) cis-1,3-Dichloropropene	10.10	75	81208	21.073	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	40450	21.941	ug/l	95
56) Ethyl methacrylate	10.67	69	40177	21.103	ug/l	96
57) 1,3-Dichloropropane	10.95	76	64422	21.715	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	90759	102.228	ug/l	98
59) 2-Hexanone	10.99	43	66698	103.818	ug/l	99
60) Dibromochloromethane	11.14	129	60446	22.164	ug/l	99
61) 1,2-Dibromoethane	11.25	107	39607	21.406	ug/l	100
64) Tetrachloroethene	10.88	164	62659	21.706	ug/l	87
65) Chlorobenzene	11.67	112	164436	21.901	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	68177	23.039	ug/l	97
67) Ethyl Benzene	11.75	91	282794	22.011	ug/l	99
68) m/p-Xylenes	11.86	106	219243	43.863	ug/l	97
69) o-Xylene	12.18	106	100818	22.591	ug/l	97
70) Styrene	12.20	104	173963	22.371	ug/l	99
71) Bromoform	12.36	173	35380	23.443	ug/l #	99
73) Isopropylbenzene	12.48	105	286457	21.492	ug/l	99
74) N-amyl acetate	12.30	43	35592	20.294	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	38245	21.042	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	24973m	20.073	ug/l	
77) Bromobenzene	12.77	156	72410	22.121	ug/l	96
78) n-propylbenzene	12.83	91	337736	22.153	ug/l	100
79) 2-Chlorotoluene	12.91	91	190169	21.959	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	252180	22.148	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	13133	21.431	ug/l	94
82) 4-Chlorotoluene	13.01	91	206666	22.250	ug/l	99
83) tert-Butylbenzene	13.23	119	217203	22.509	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	250687	22.119	ug/l	97
85) sec-Butylbenzene	13.41	105	286228	21.972	ug/l	99
86) p-Isopropyltoluene	13.52	119	274945	21.857	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	140663	22.520	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	134740	21.304	ug/l	97
89) n-Butylbenzene	13.85	91	234020	21.537	ug/l	99
90) Hexachloroethane	14.11	117	51563	21.766	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	119258	22.061	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7165	22.265	ug/l	94

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	78639	21.433	ug/l	96
94) Hexachlorobutadiene	15.27	225	53860	21.934	ug/l	97
95) Naphthalene	15.40	128	119891	21.174	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	66867	21.283	ug/l	95

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

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Operator : VA/SY
Sample : VD1111SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

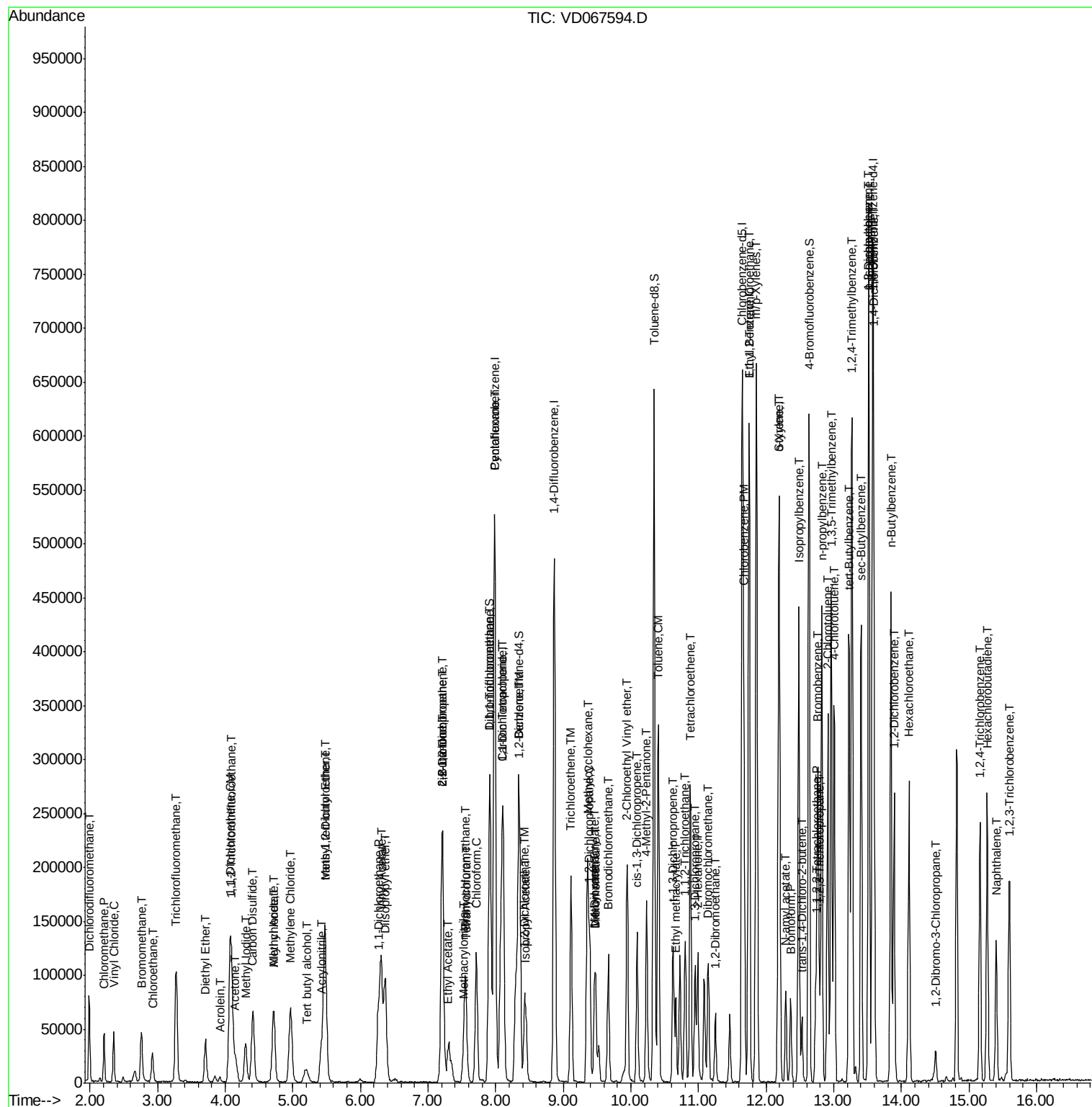
Instrument :
MSVOA_D
ClientSampleId :
VD1111SBSD01

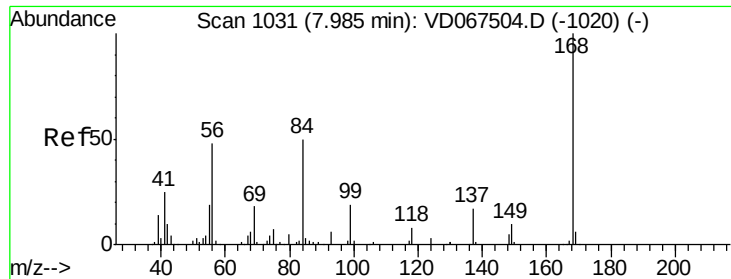
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067594.D

Acq: 11 Nov 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion:168 Resp: 301132

Ion Ratio Lower Upper

168 100

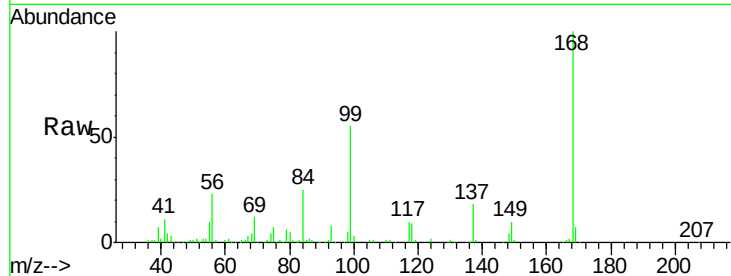
99 55.0 45.0 67.6

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

7.98

150000

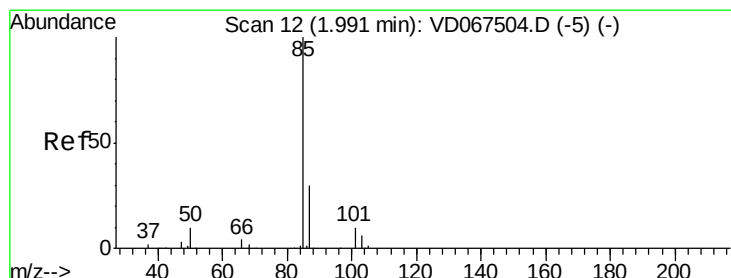
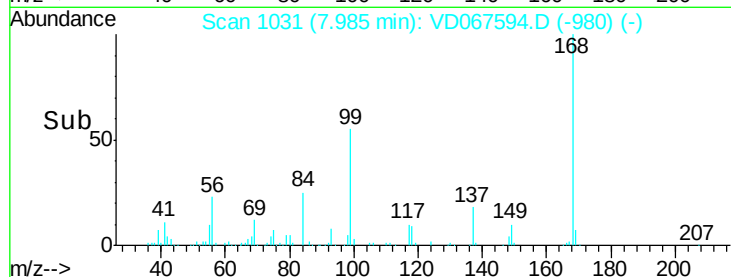
100000

50000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 21.333 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067594.D

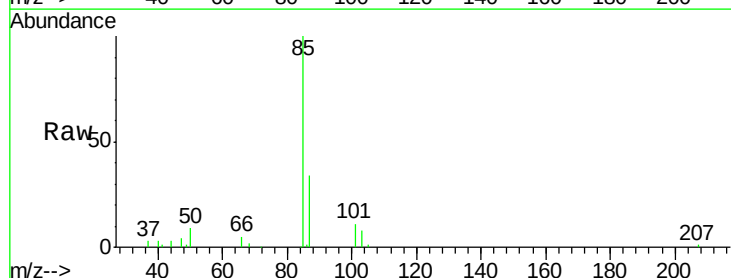
Acq: 11 Nov 2020 11:30

Tgt Ion: 85 Resp: 58357

Ion Ratio Lower Upper

85 100

87 33.7 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

30000

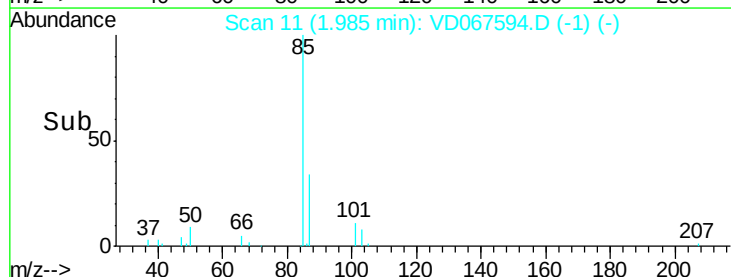
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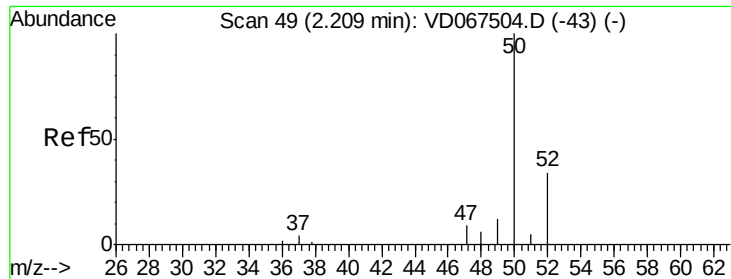
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 19.447 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067594.D

Acq: 11 Nov 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion: 50 Resp: 36467

Ion Ratio Lower Upper

50 100

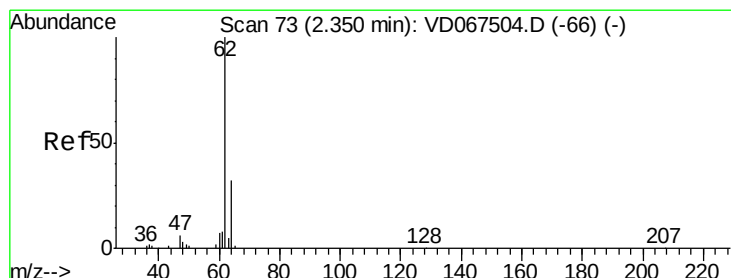
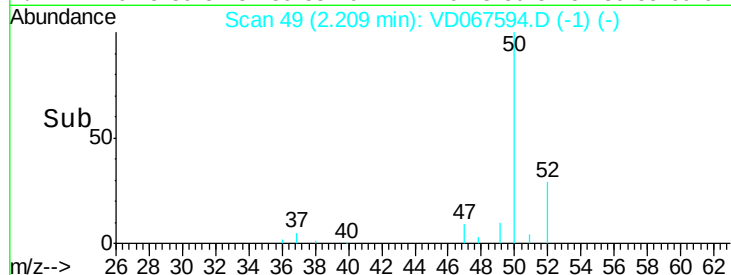
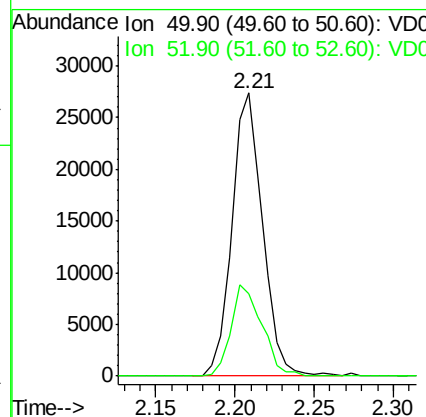
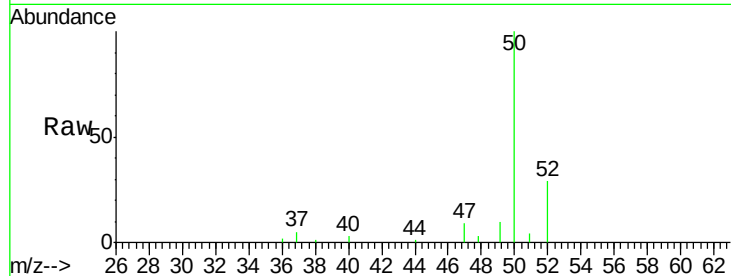
52 29.3 27.3 40.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.567 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067594.D

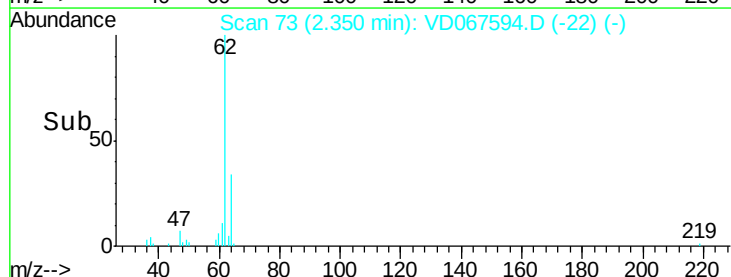
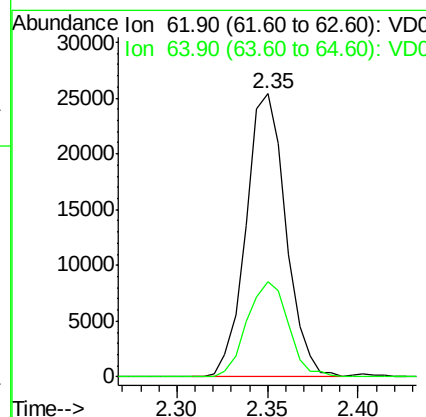
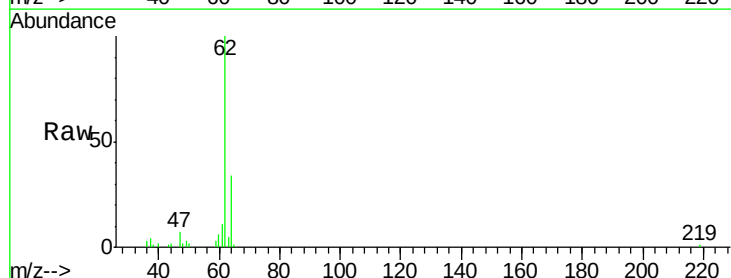
Acq: 11 Nov 2020 11:30

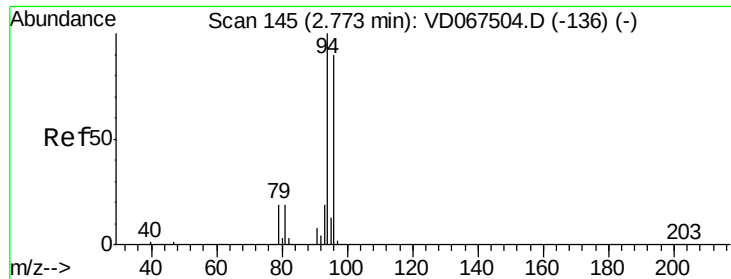
Tgt Ion: 62 Resp: 38817

Ion Ratio Lower Upper

62 100

64 33.8 25.6 38.4





#5

Bromomethane

Concen: 19.551 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067594.D

Acq: 11 Nov 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion: 94 Resp: 33130

Ion Ratio Lower Upper

94 100

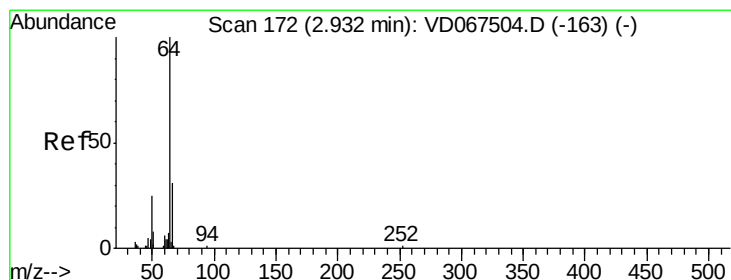
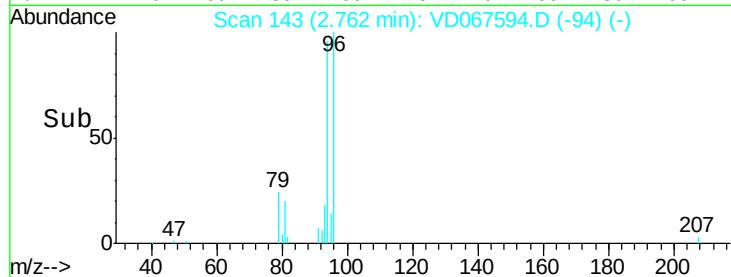
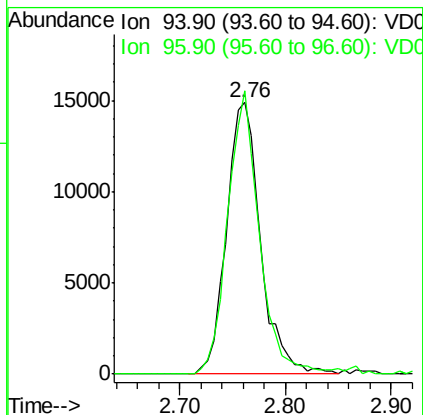
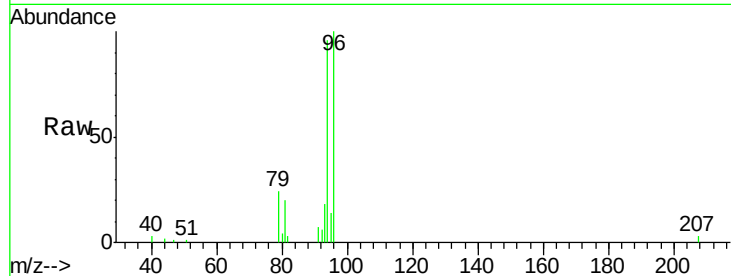
96 104.1 72.2 108.2

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#6

Chloroethane

Concen: 20.065 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD067594.D

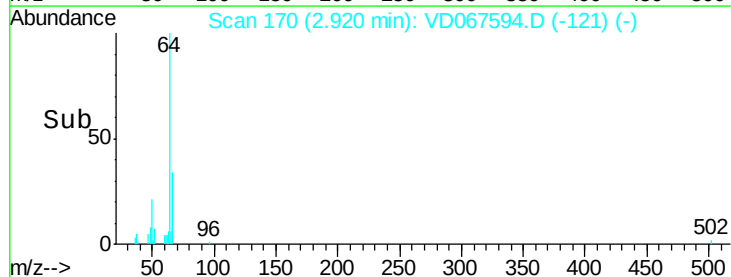
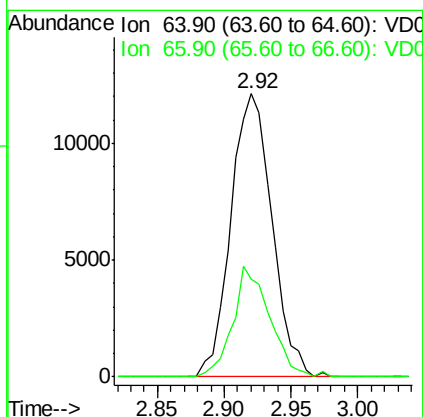
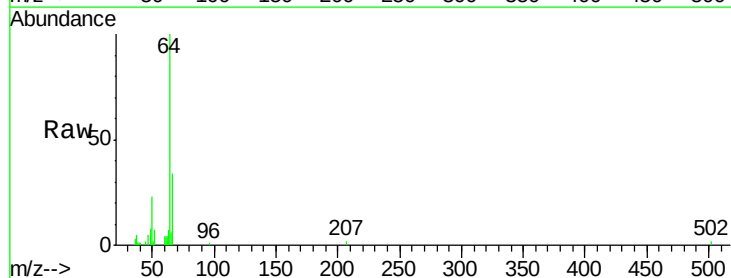
Acq: 11 Nov 2020 11:30

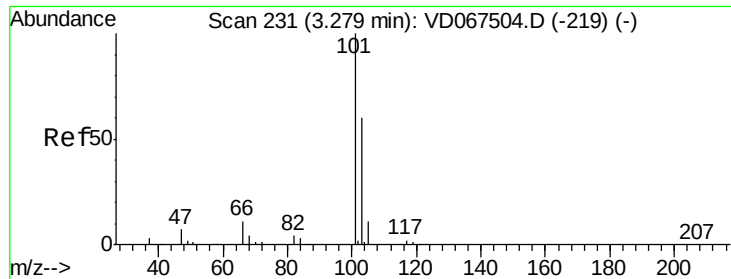
Tgt Ion: 64 Resp: 25863

Ion Ratio Lower Upper

64 100

66 34.4 24.6 36.8





#7

Trichlorofluoromethane
Concen: 21.197 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.01 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

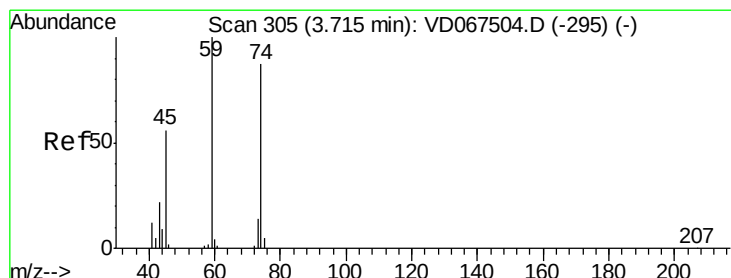
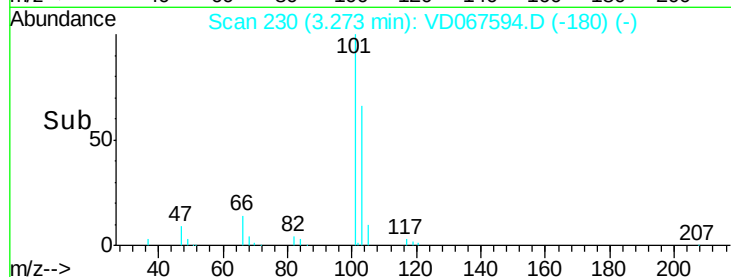
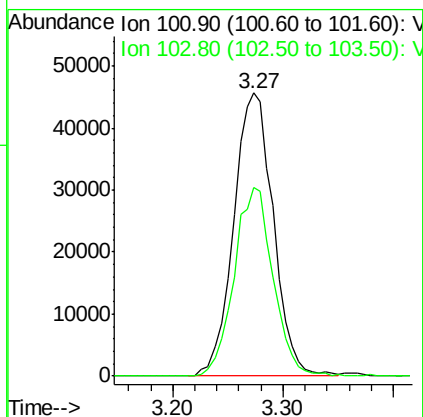
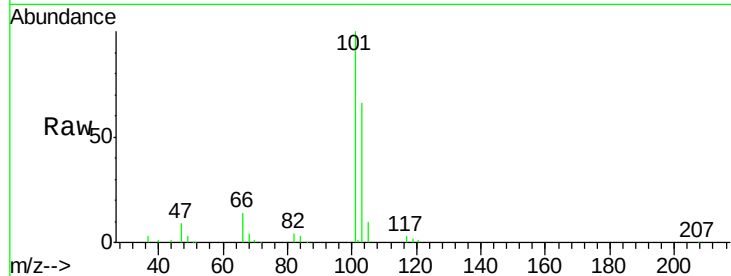
Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		114747		
103	66.4	48.1	72.1		

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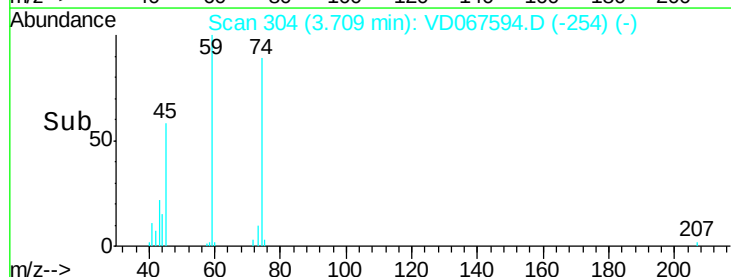
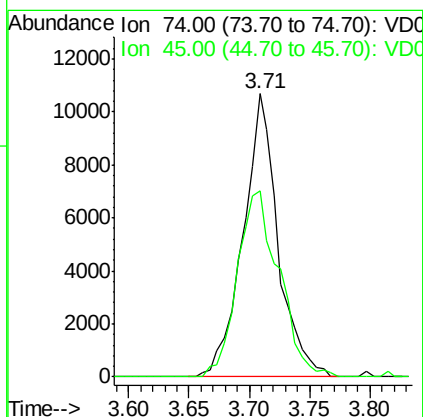
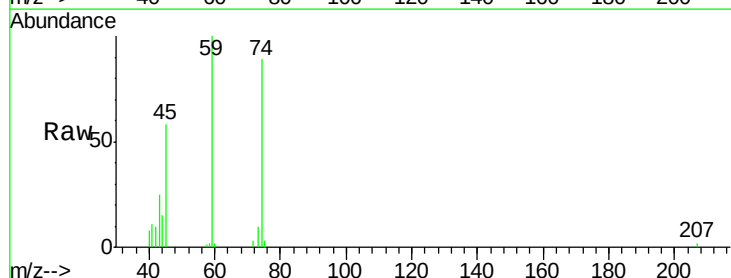
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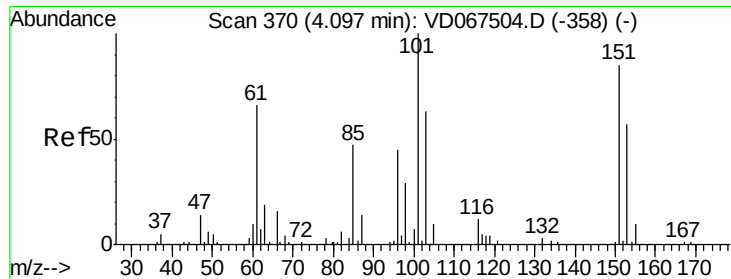


#8

Diethyl Ether
Concen: 19.687 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.01 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		21474		
45	78.8	38.2	114.6		





#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.557 ug/l
RT: 4.09 min Scan# 369
Delta R.T. -0.01 min
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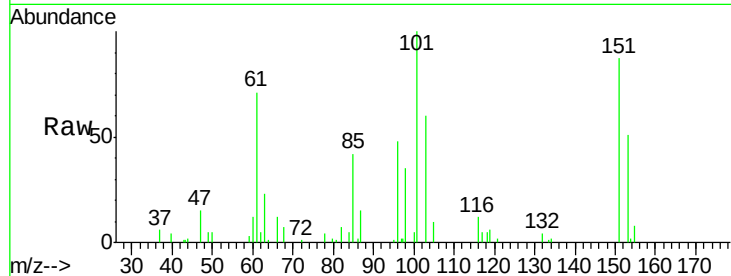
Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
85	42.6	34.4	51.6
151	83.3	68.1	102.1

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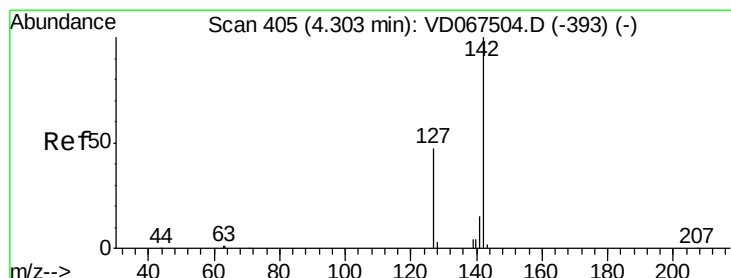
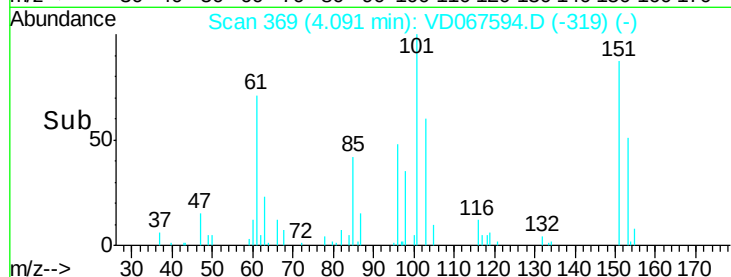
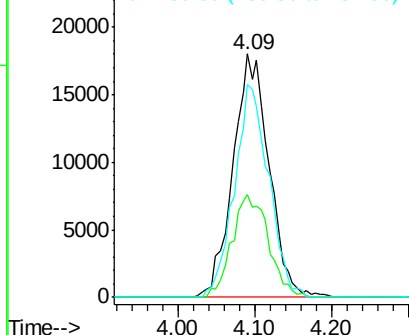


Abundance

Ion 100.90 (100.60 to 101.60): V

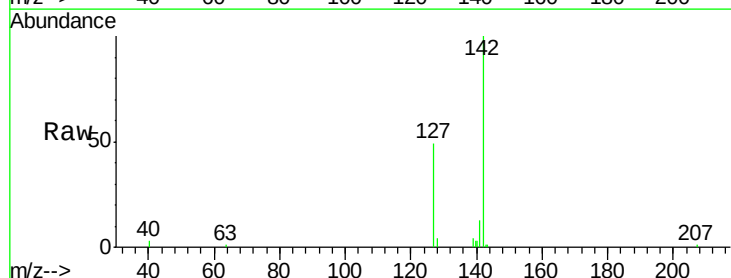
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
Methyl Iodide
Concen: 19.724 ug/l
RT: 4.30 min Scan# 405
Delta R.T. -0.00 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

Tgt Ion	Ratio	Lower	Upper
142	100		
127	50.2	40.0	60.0
141	13.8	11.7	17.5

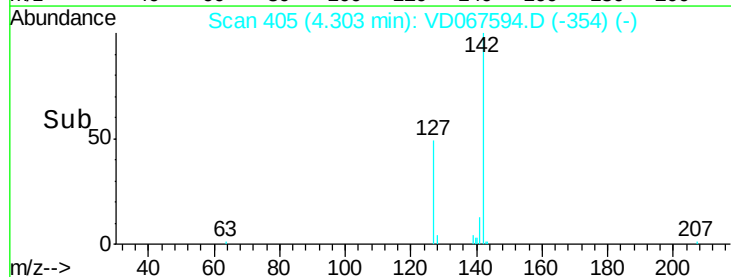
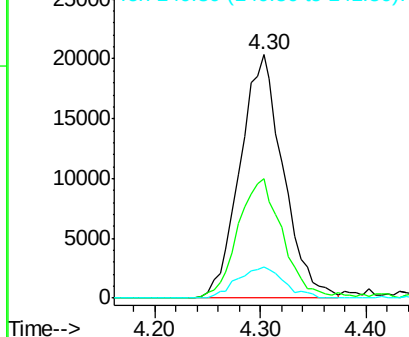


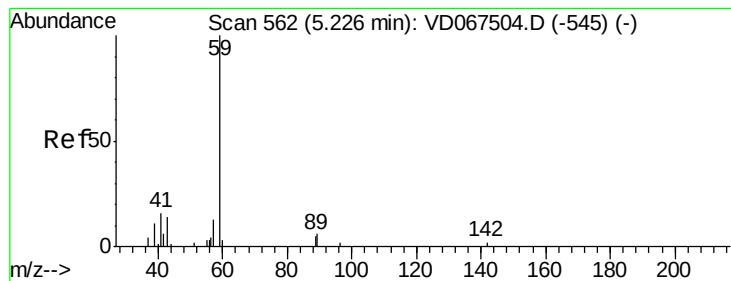
Abundance

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: 168.646 ug/l
RT: 5.20 min Scan# 558
Delta R.T. -0.02 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

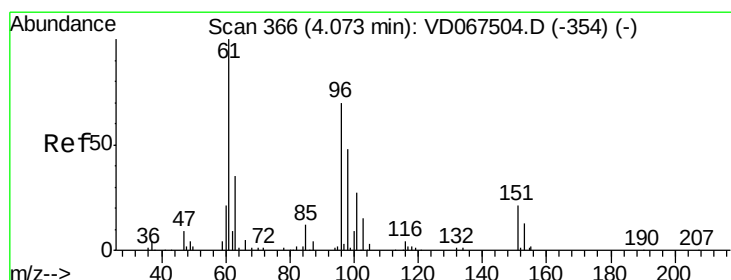
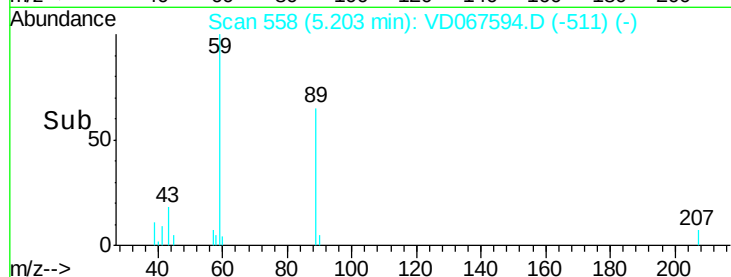
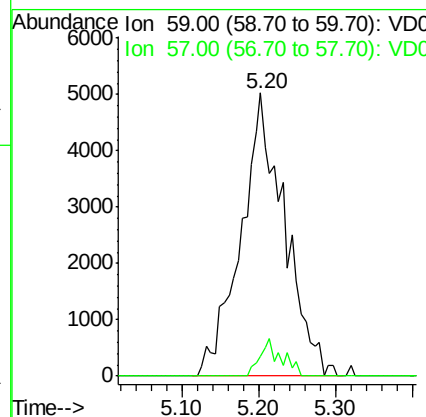
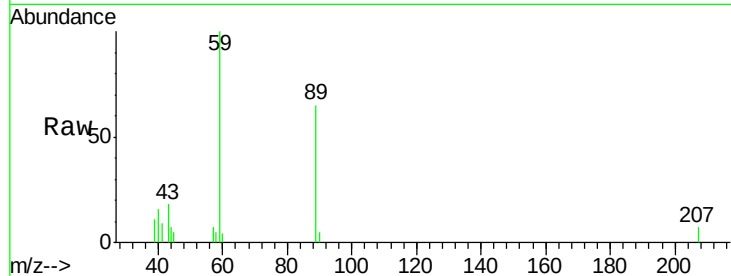
Instrument :
MSVOA_D
ClientSampleId :
VD1111SBSD01

Tot Ion: 59 Resp: 19882
Ion Ratio Lower Upper
59 100
57 6.4 5.9 8.9

Manual Integrations
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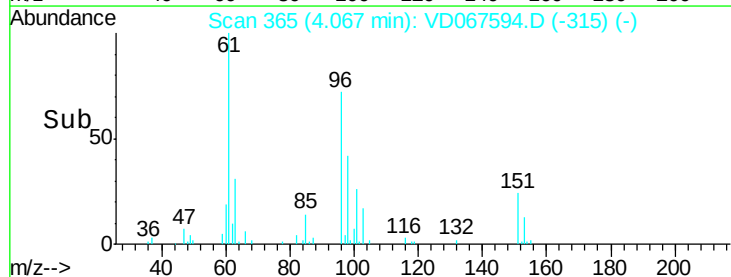
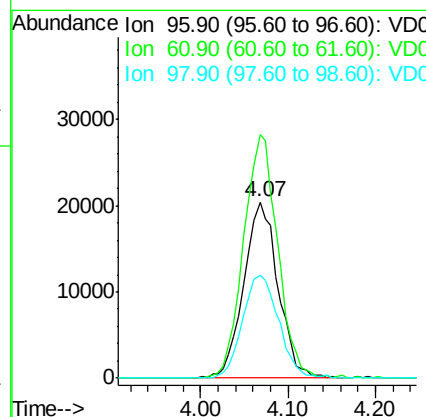
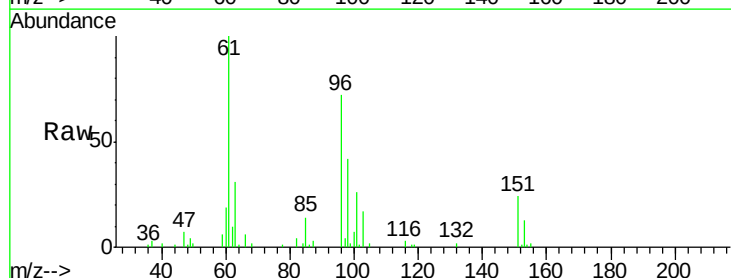
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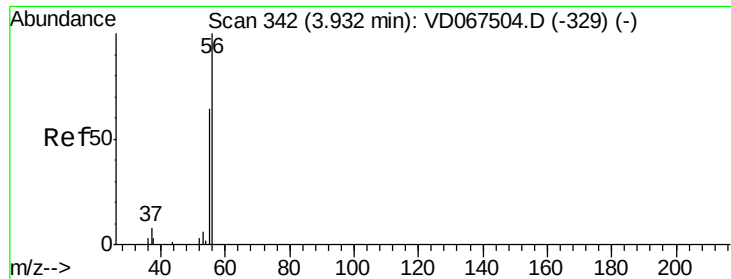


#12

1,1-Dichloroethene
Concen: 21.560 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.01 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

Tgt Ion: 96 Resp: 54190
Ion Ratio Lower Upper
96 100
61 138.1 114.5 171.7
98 58.1 54.5 81.7





#13

Acrolein

Concen: 68.119 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067594.D

Acq: 11 Nov 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion: 56 Resp: 5242

Ion Ratio Lower Upper

56 100

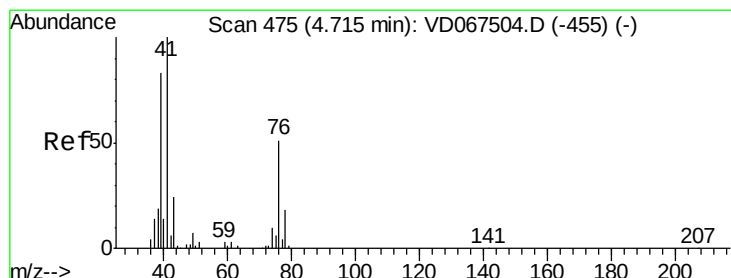
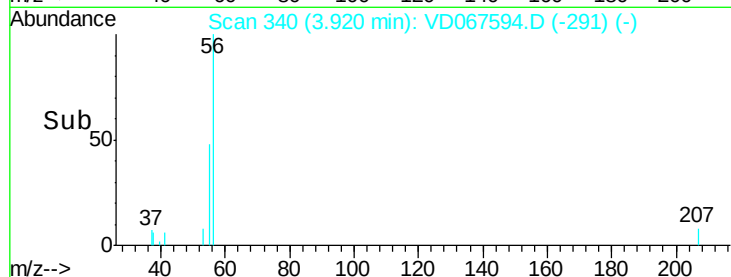
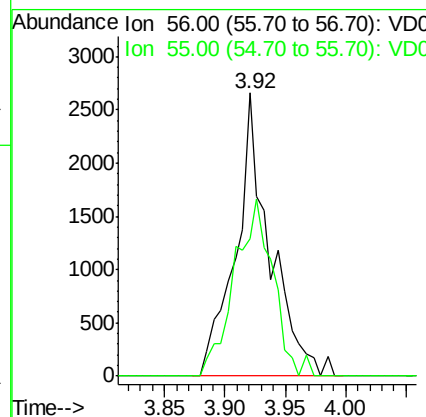
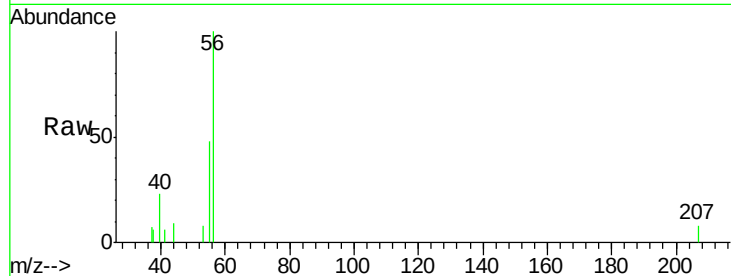
55 69.2 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 19.478 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067594.D

Acq: 11 Nov 2020 11:30

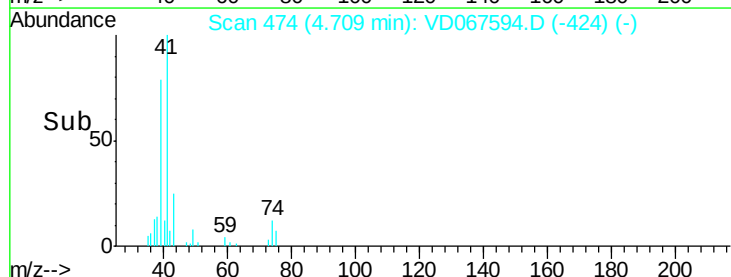
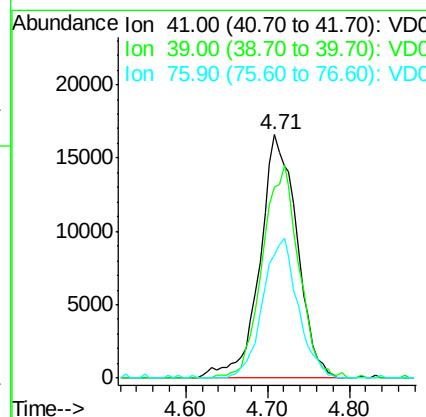
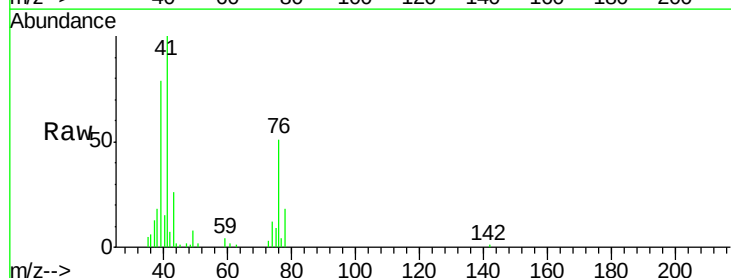
Tgt Ion: 41 Resp: 52394

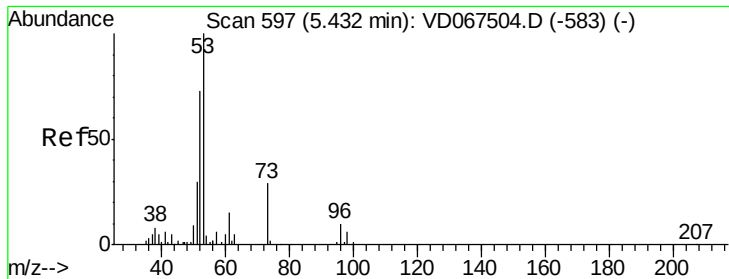
Ion Ratio Lower Upper

41 100

39 85.9 67.4 101.0

76 54.3 42.2 63.2





#15

Acrylonitrile

Concen: 100.861 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067594.D

Acq: 11 Nov 2020 11:30

Instrument :

MSVOA_D

ClientSampled :

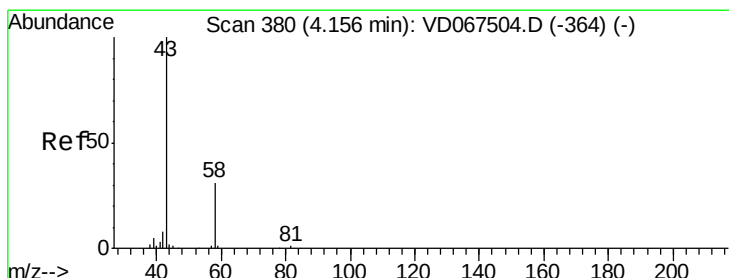
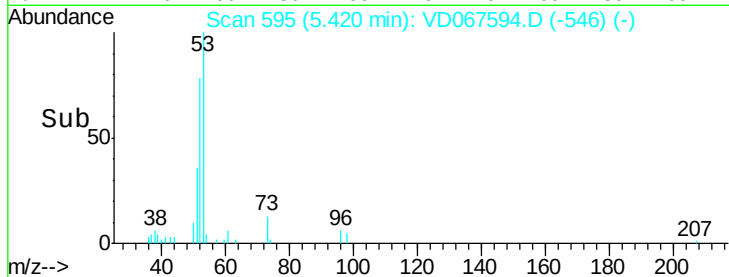
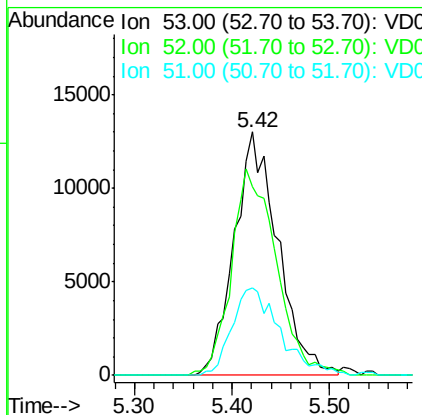
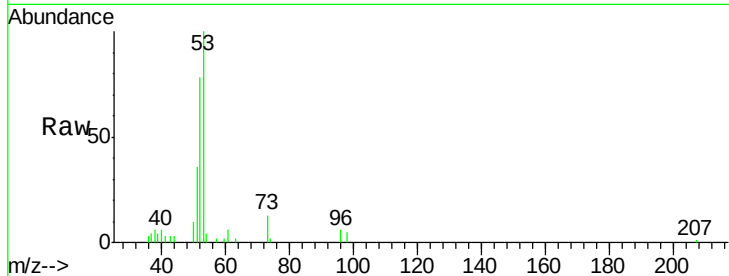
VD1111SBS01

Tot Ion:	53	Resp:	40668
Ion Ratio	Lower	Upper	
53	100		
52	87.1	64.8	97.2
51	39.4	29.5	44.3

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#16

Acetone

Concen: 90.880 ug/l

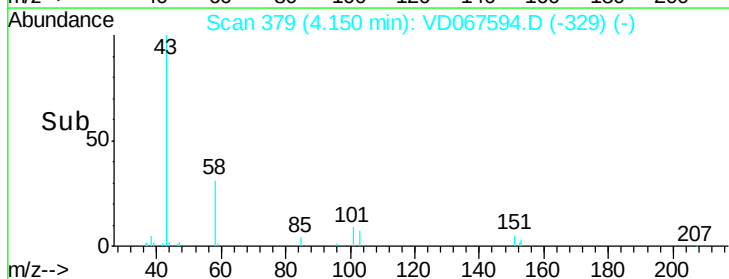
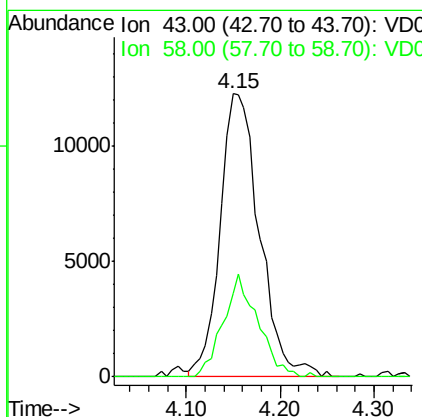
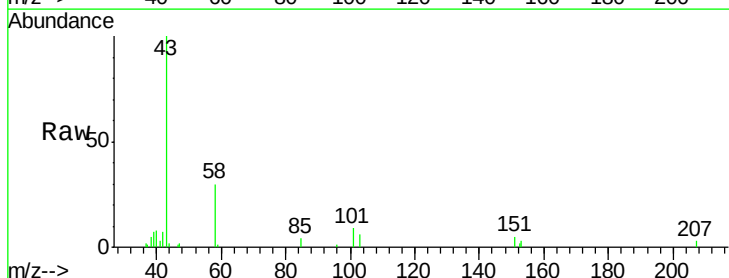
RT: 4.15 min Scan# 379

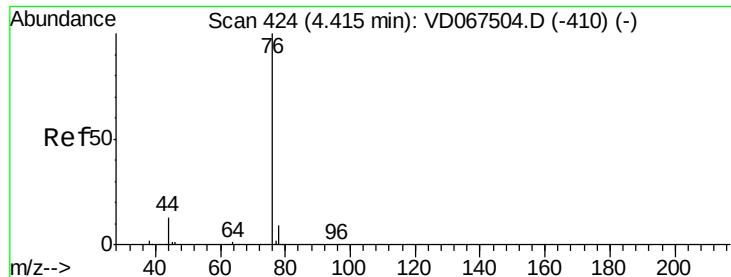
Delta R.T. -0.01 min

Lab File: VD067594.D

Acq: 11 Nov 2020 11:30

Tgt Ion:	43	Resp:	35809
Ion Ratio	Lower	Upper	
43	100		
58	29.6	25.2	37.8





#17
Carbon Disulfide
Concen: 19.299 ug/l
RT: 4.41 min Scan# 424
Delta R.T. -0.00 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

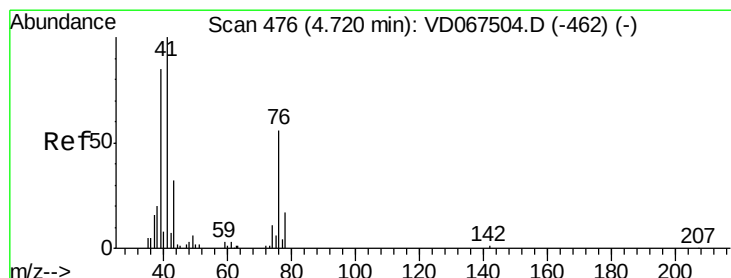
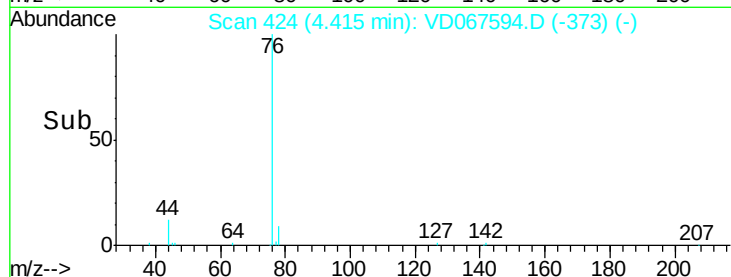
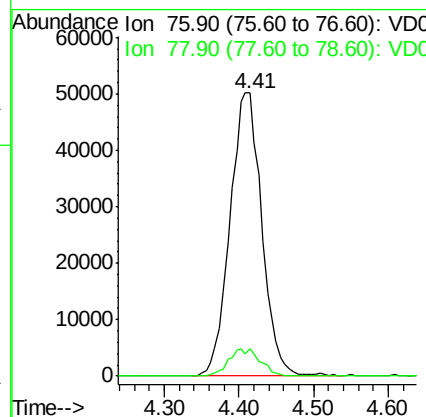
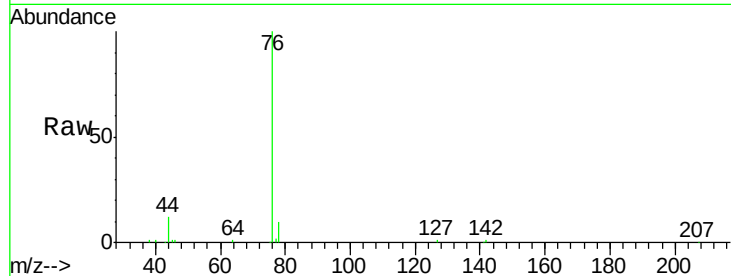
Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion: 76 Resp: 148634
Ion Ratio Lower Upper
76 100
78 9.8 7.2 10.8

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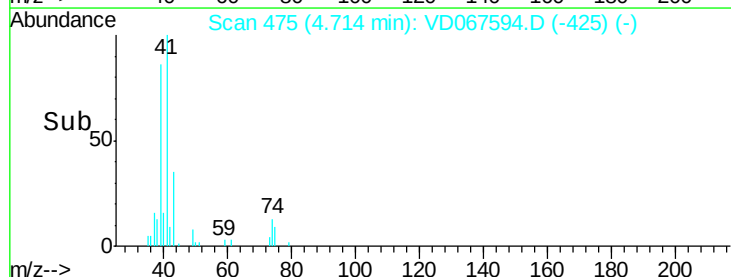
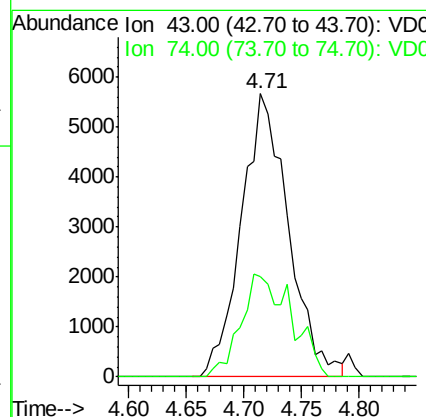
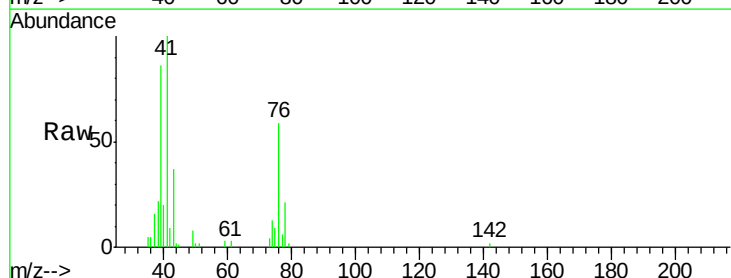
MMDadoda

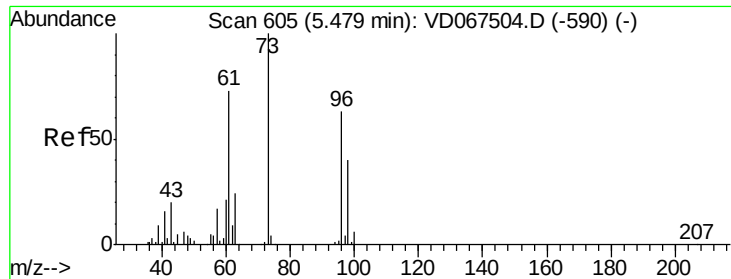
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#18
Methyl Acetate
Concen: 19.767 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

Tgt Ion: 43 Resp: 16095
Ion Ratio Lower Upper
43 100
74 38.9 27.2 40.8





#19
Methyl tert-butyl Ether
Concen: 20.828 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

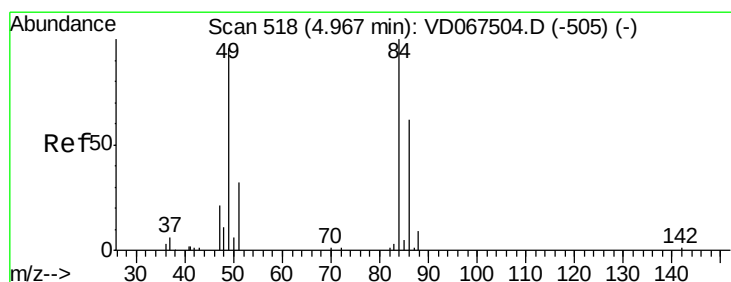
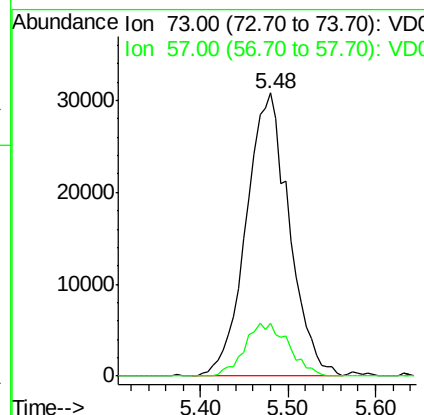
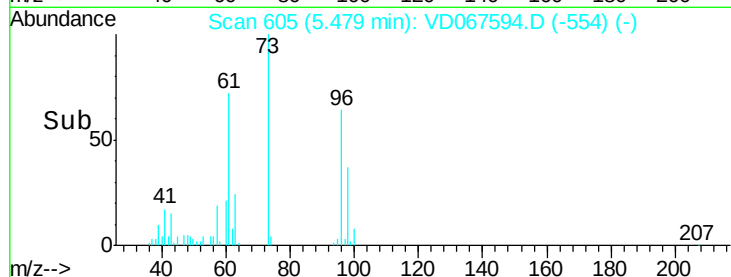
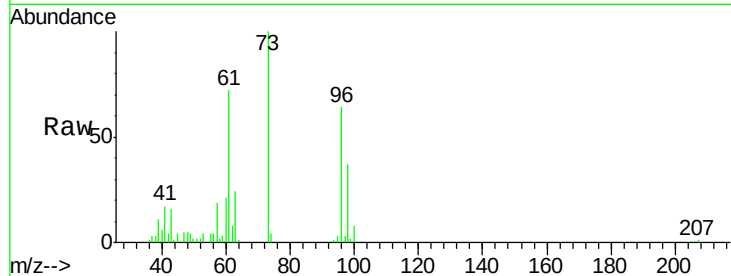
Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion: 73 Resp: 103257
Ion Ratio Lower Upper
73 100
57 18.7 13.4 20.0

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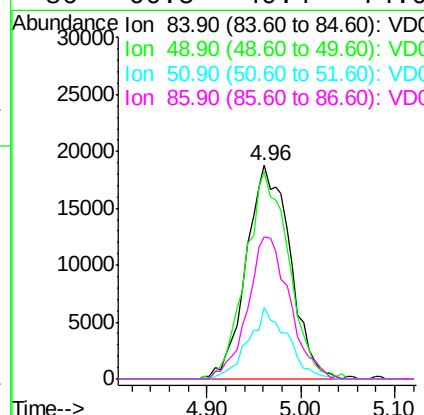
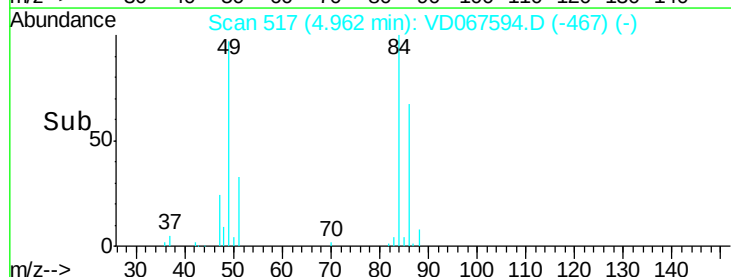
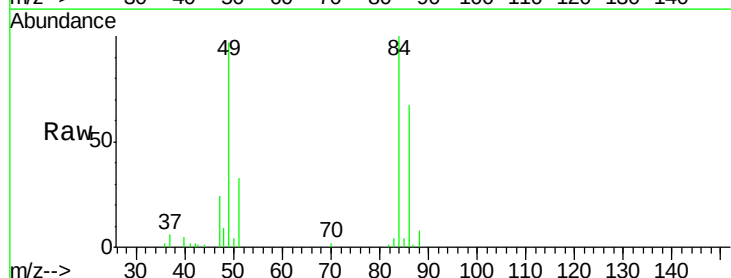
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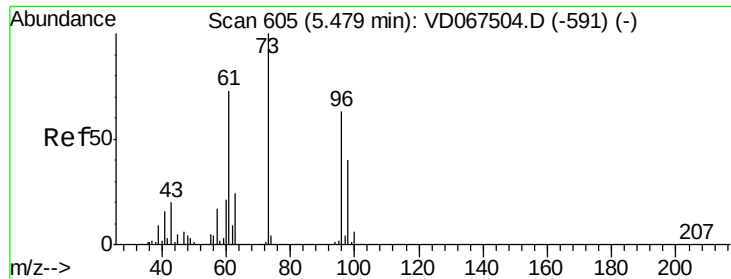
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#20
Methylene Chloride
Concen: 21.796 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

Tgt Ion: 84 Resp: 60665
Ion Ratio Lower Upper
84 100
49 97.0 77.0 115.4
51 33.4 25.4 38.2
86 66.5 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 20.800 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD067594.D

Acq: 11 Nov 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

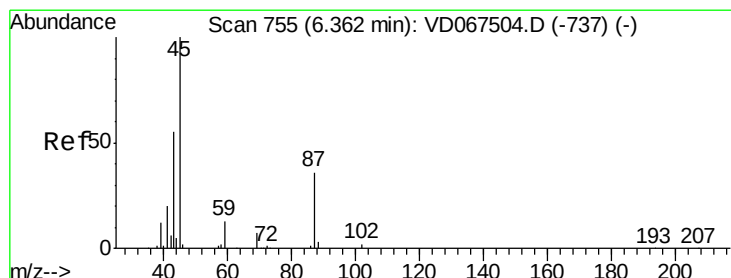
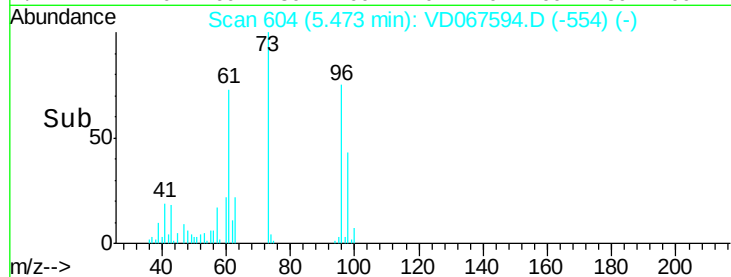
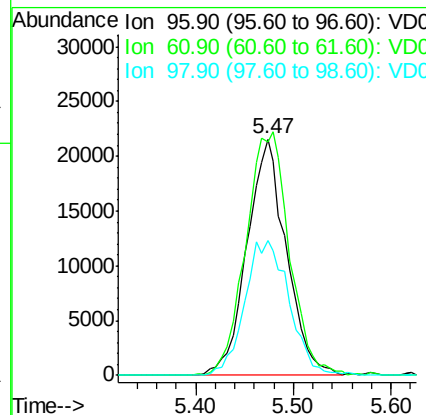
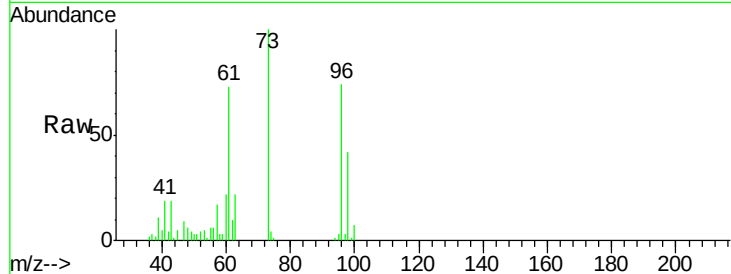
VD1111SBS01

Tot Ion:	96	Resp:	60890
Ion	Ratio	Lower	Upper
96	100		
61	99.0	93.0	139.6
98	57.2	50.9	76.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.575 ug/l

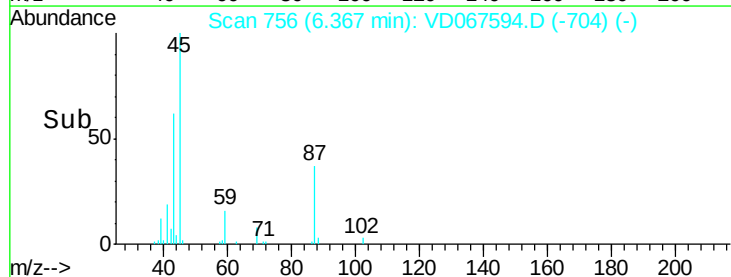
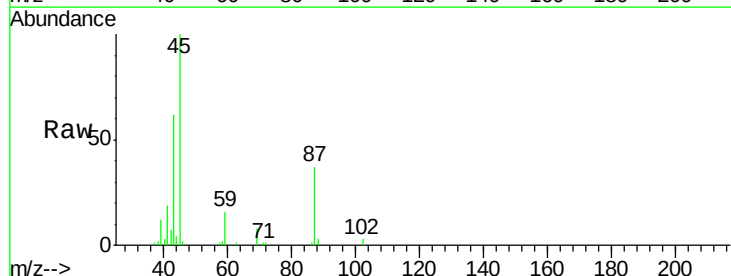
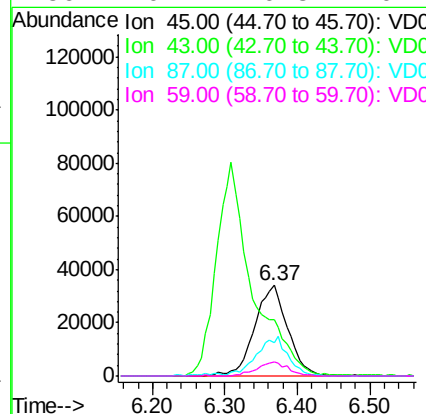
RT: 6.37 min Scan# 756

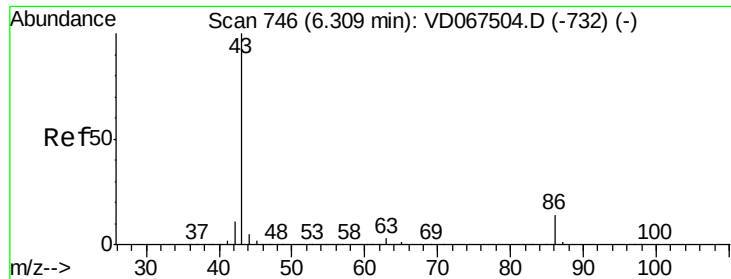
Delta R.T. 0.01 min

Lab File: VD067594.D

Acq: 11 Nov 2020 11:30

Tgt Ion:	45	Resp:	107852
Ion	Ratio	Lower	Upper
45	100		
43	60.3	46.2	69.4
87	37.3	29.4	44.2
59	16.2	10.8	16.2





#23
 Vinyl Acetate
 Concen: 101.527 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.00 min
 Lab File: VD067594.D
 Acq: 11 Nov 2020 11:30

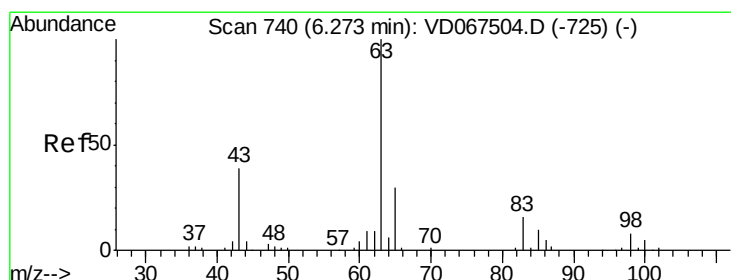
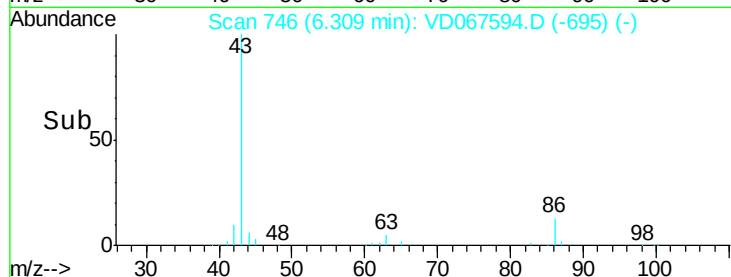
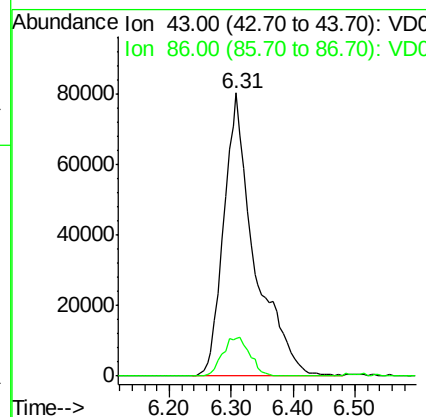
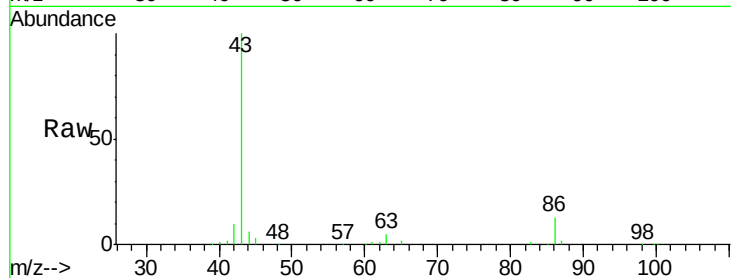
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBSD01

Tot Ion: 43 Resp: 278583
 Ion Ratio Lower Upper
 43 100
 86 13.3 11.6 17.4

Manual Integrations
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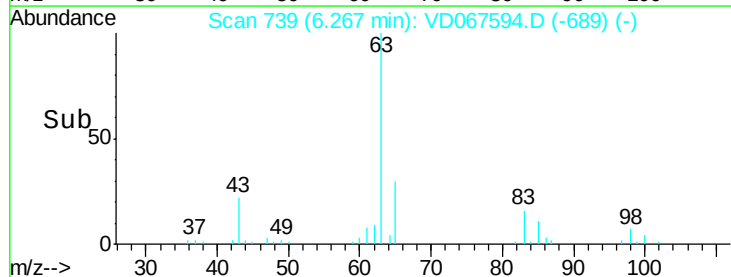
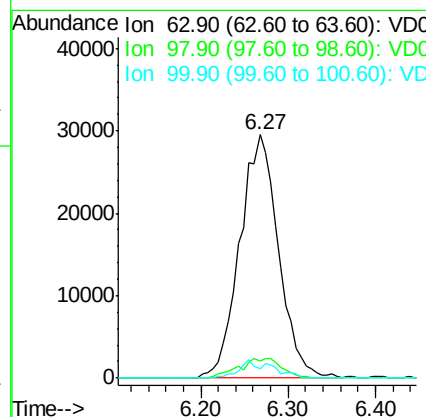
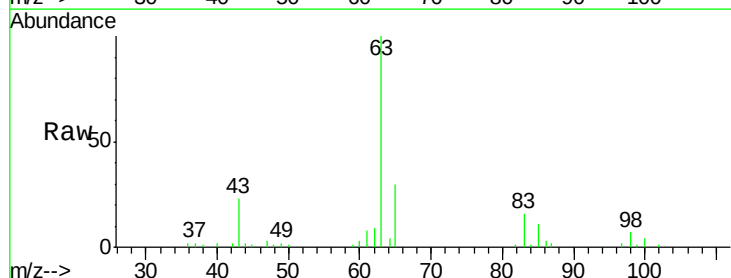
MMDadoda

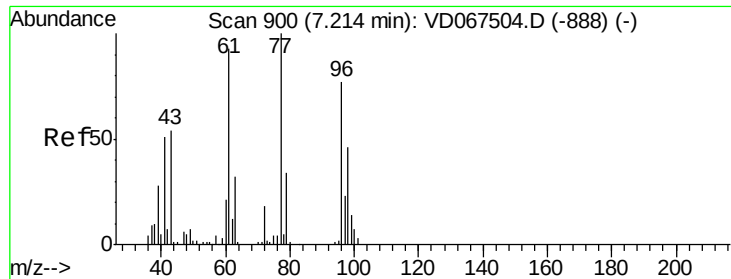
11/12/2020 1:11:40 PM



#24
 1,1-Dichloroethane
 Concen: 20.691 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. -0.01 min
 Lab File: VD067594.D
 Acq: 11 Nov 2020 11:30

Tgt Ion: 63 Resp: 88734
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.9 11.5
 100 3.6 2.6 7.8





#25

2-Butanone

Concen: 101.222 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067594.D

Acq: 11 Nov 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion: 43 Resp: 42617

Ion Ratio Lower Upper

43 100

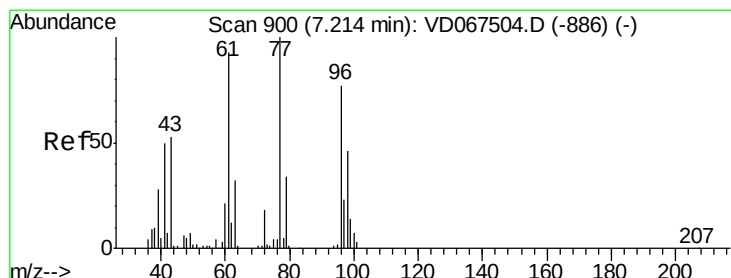
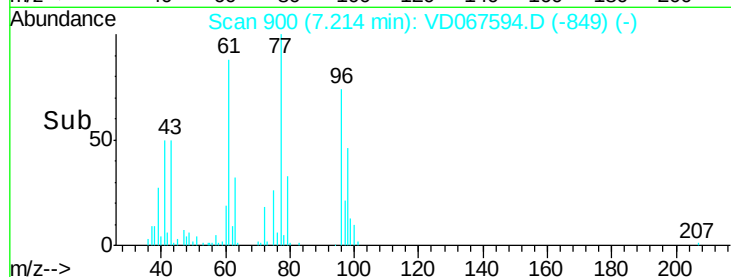
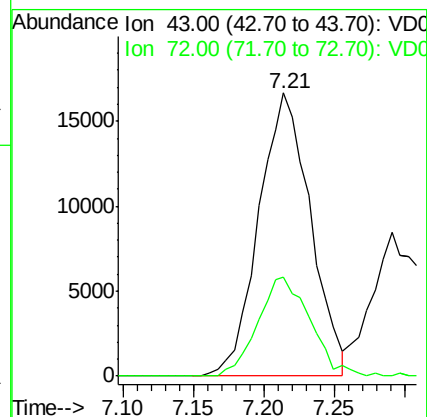
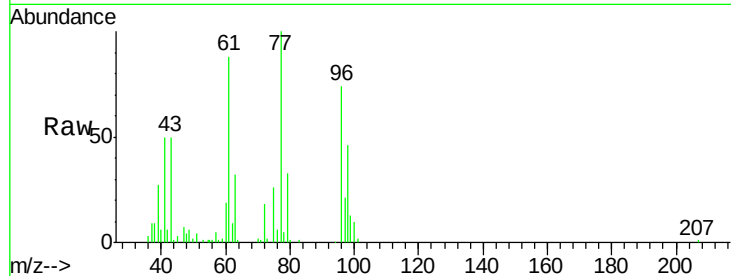
72 35.2 26.4 39.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.614 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067594.D

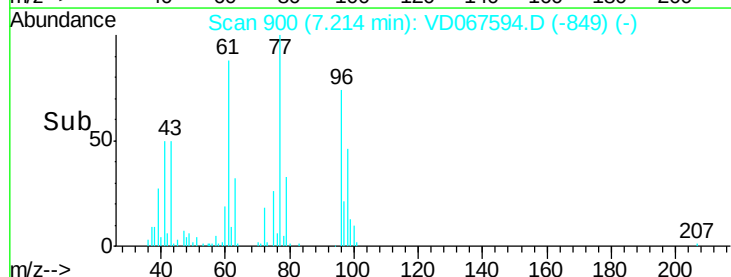
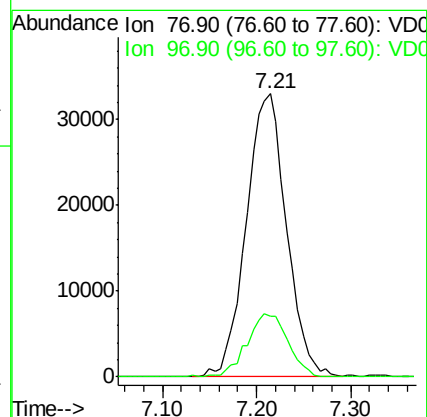
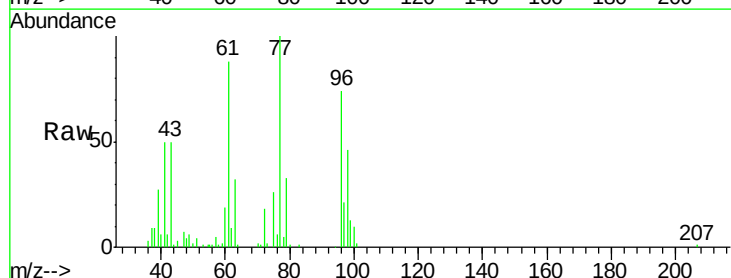
Acq: 11 Nov 2020 11:30

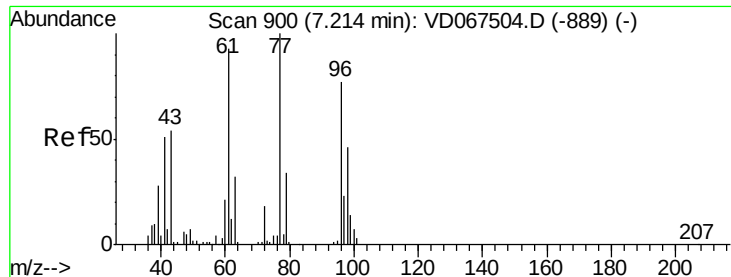
Tgt Ion: 77 Resp: 97823

Ion Ratio Lower Upper

77 100

97 22.7 11.1 33.3





#27

cis-1,2-Dichloroethene
Concen: 20.494 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

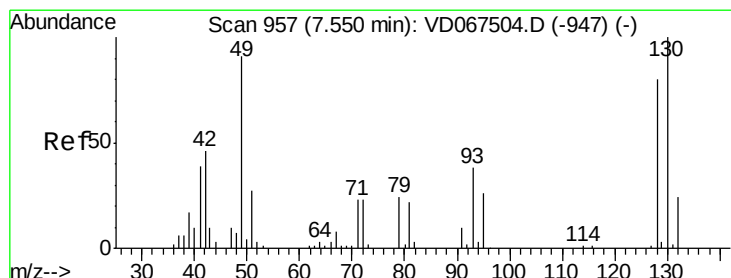
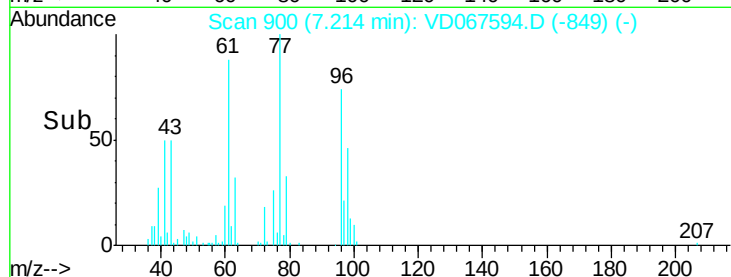
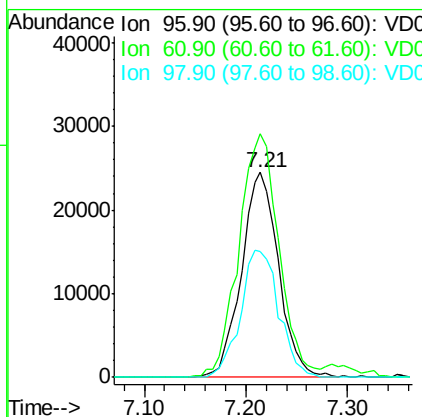
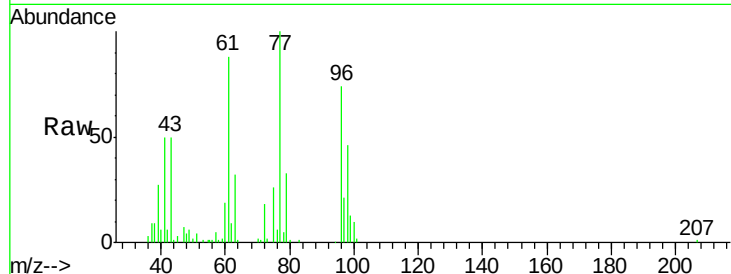
Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.4	0.0	251.6
98	63.7	0.0	128.0

Manual Integrations
APPROVED

MMDadoda

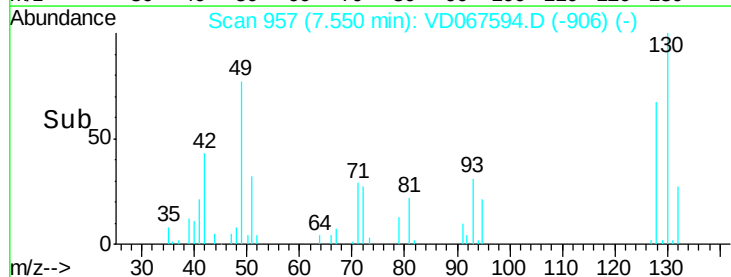
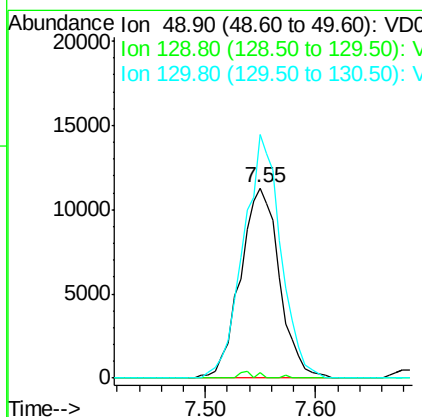
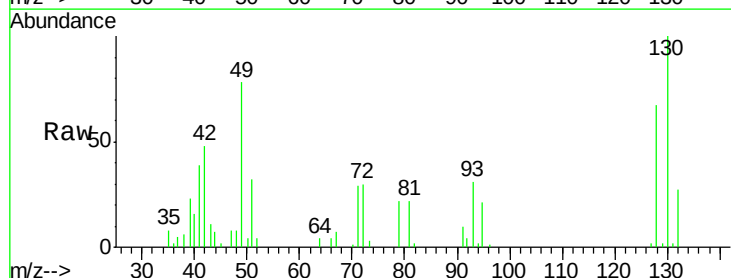
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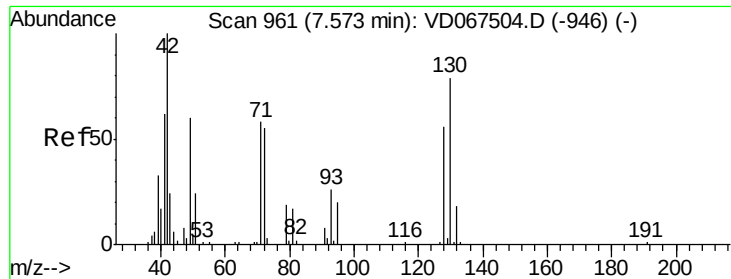


#28

Bromochloromethane
Concen: 18.358 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	6.4
130	122.9	94.6	142.0





#29
Tetrahydrofuran
Concen: 101.120 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

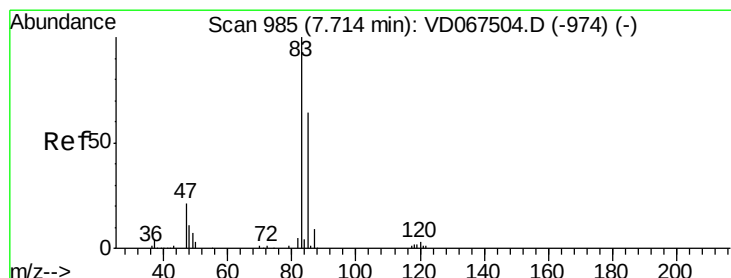
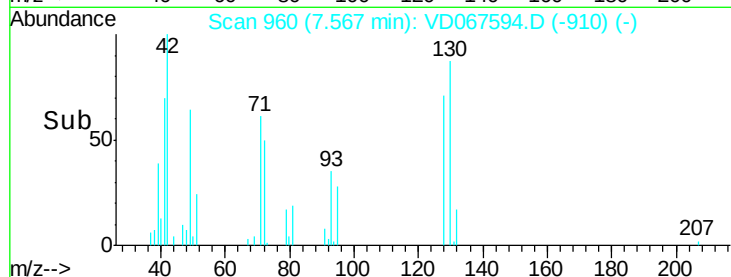
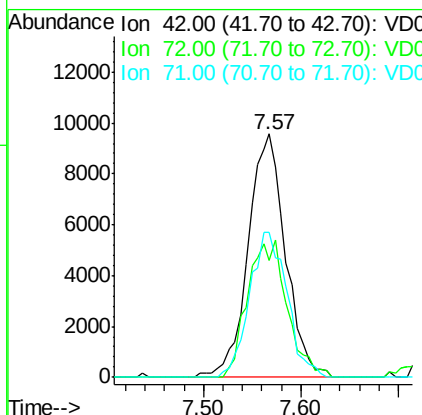
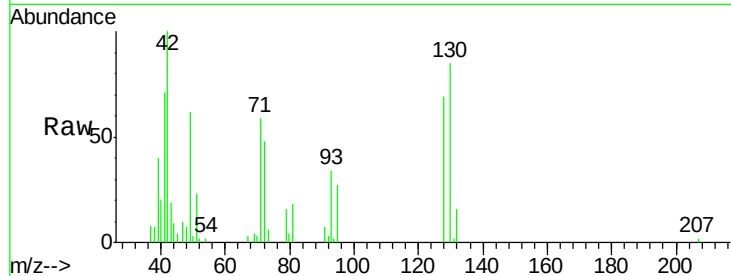
Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	59.5	46.3	69.5
71	59.9	44.0	66.0

Manual Integrations
APPROVED

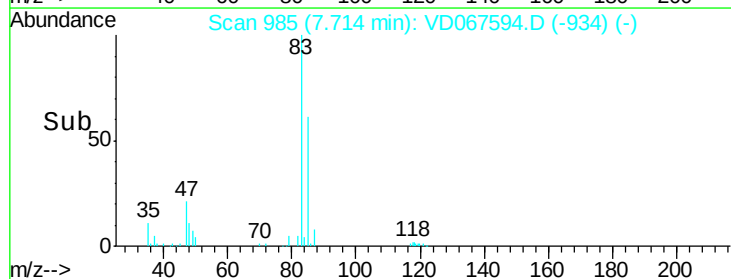
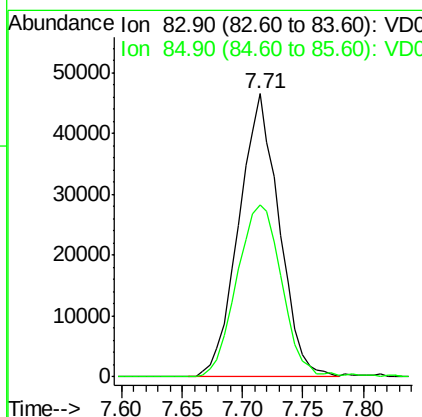
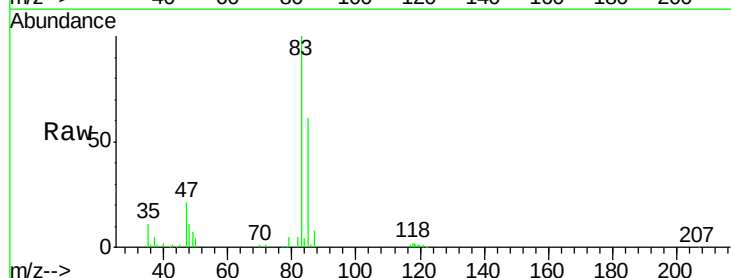
MMDadoda

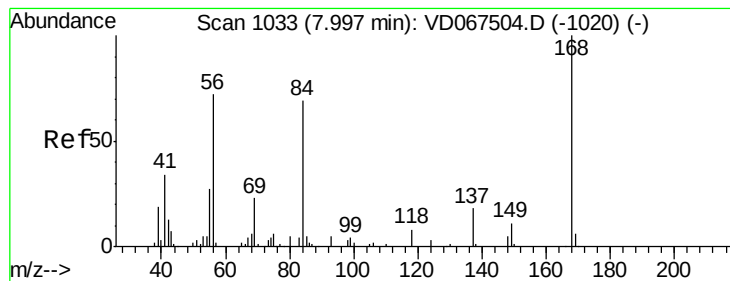
11/12/2020 1:11:40 PM



#30
Chloroform
Concen: 21.162 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.0	51.5	77.3





#31

Cyclohexane

Concen: 20.080 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.01 min

Lab File: VD067594.D

Acq: 11 Nov 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion: 56 Resp: 76684

Ion Ratio Lower Upper

56 100

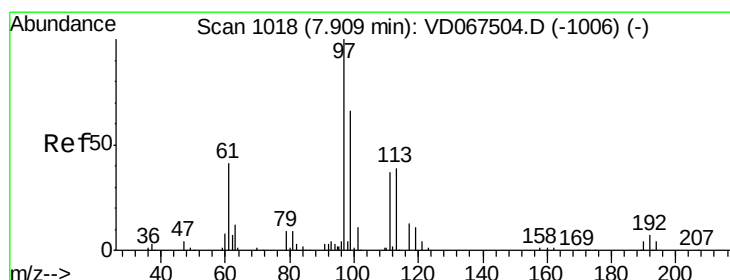
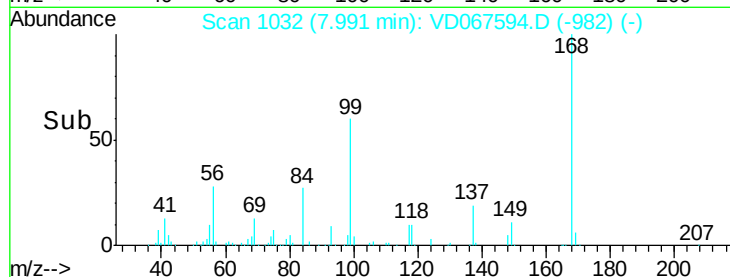
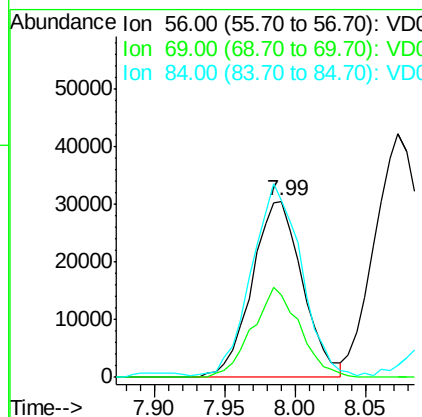
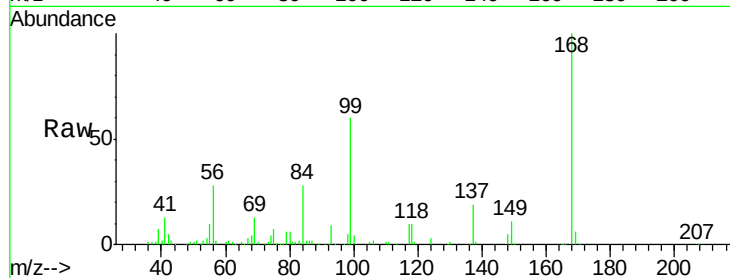
69 46.7 25.9 38.9#

84 98.4 76.2 114.4

Manual Integrations
APPROVED

MMDadoda

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#32

1,1,1-Trichloroethane

Concen: 21.165 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD067594.D

Acq: 11 Nov 2020 11:30

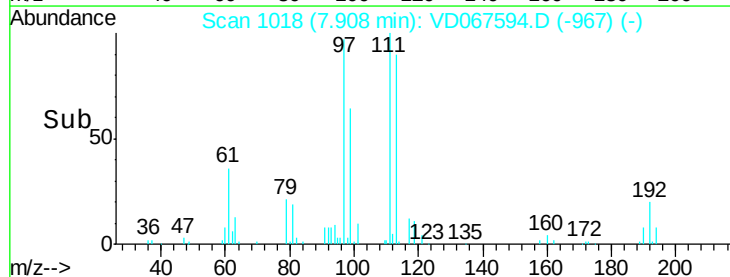
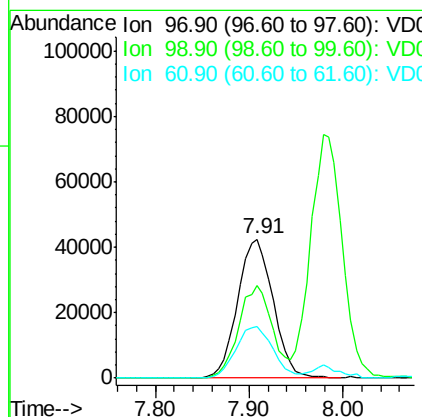
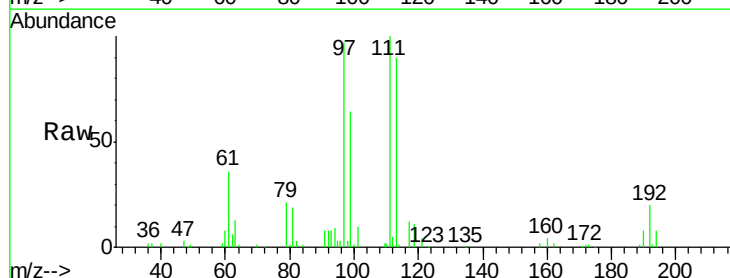
Tgt Ion: 97 Resp: 111723

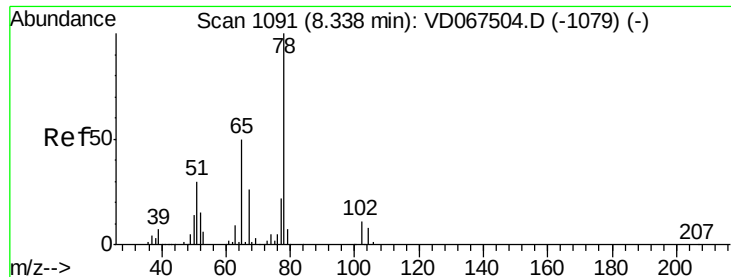
Ion Ratio Lower Upper

97 100

99 63.7 51.8 77.6

61 38.3 30.5 45.7





#33
 1,2-Dichloroethane-d4
 Concen: 46.701 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD067594.D
 Acq: 11 Nov 2020 11:30

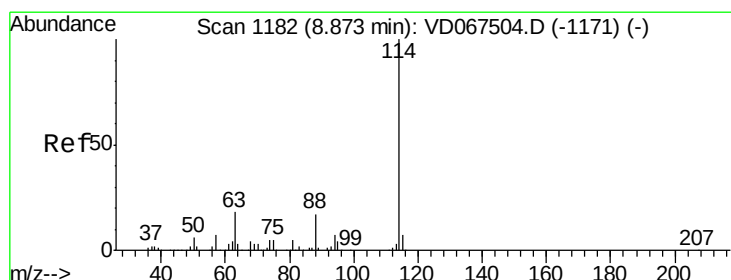
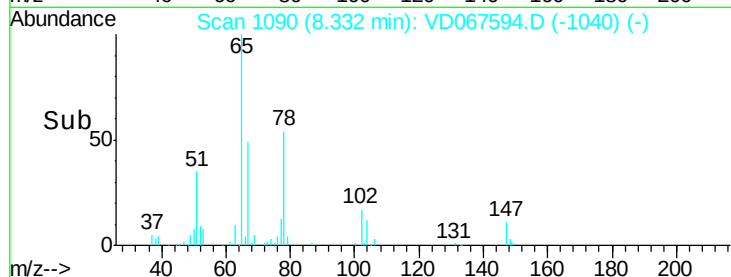
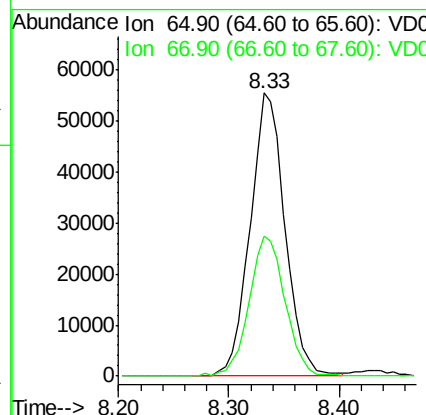
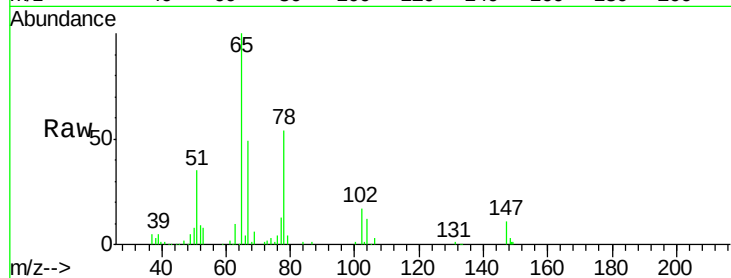
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	122968		
67	51.1	0.0	99.4	

Manual Integrations
 APPROVED

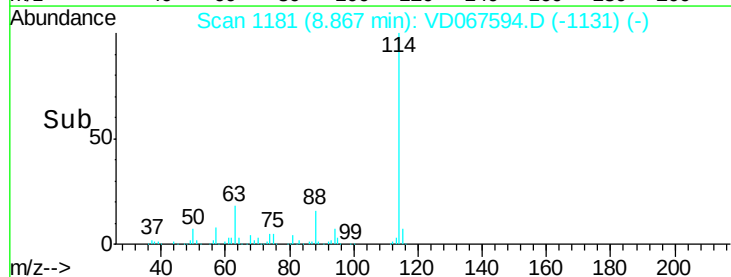
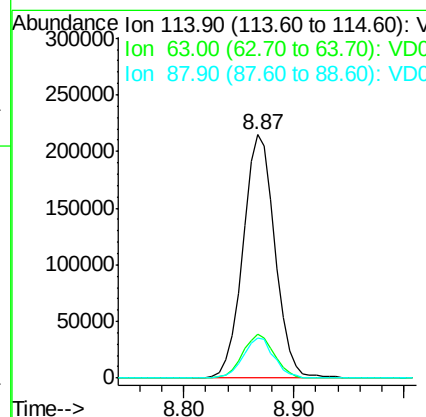
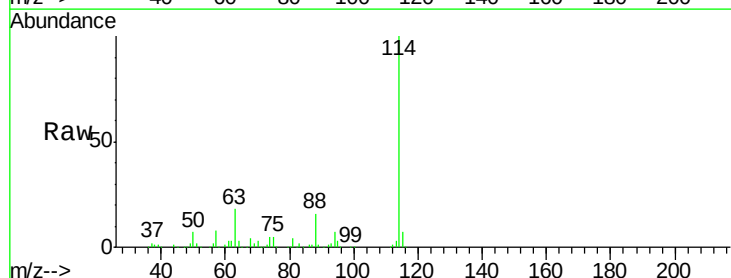
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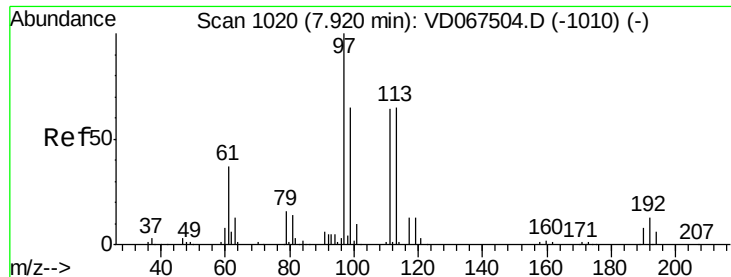
11/12/2020 1:11:40 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067594.D
 Acq: 11 Nov 2020 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	437142		
63	18.0	0.0	35.0	
88	16.4	0.0	33.0	





#35
 Dibromofluoromethane
 Concen: 47.934 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067594.D
 Acq: 11 Nov 2020 11:30

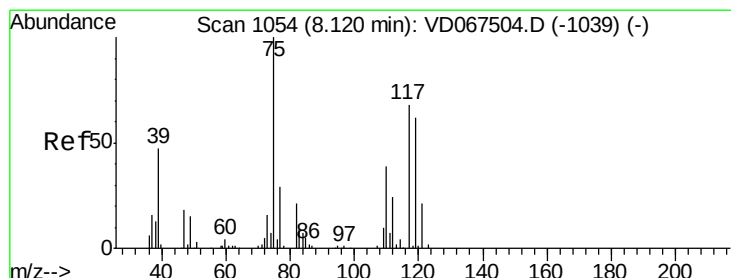
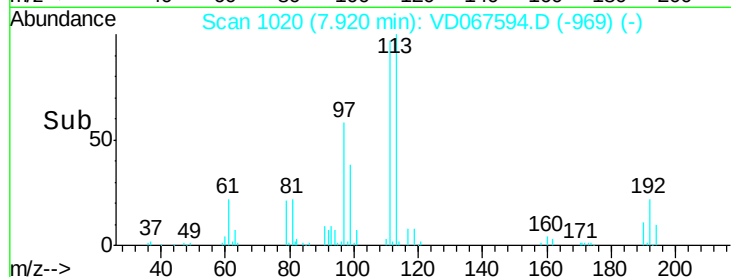
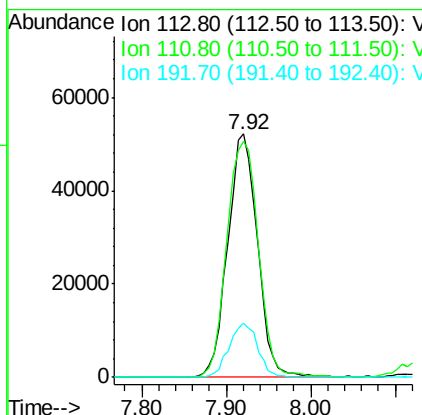
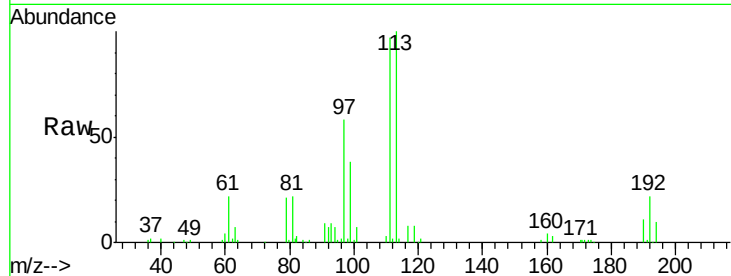
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	126247		
111	103.5	80.0	120.0	
192	21.4	16.3	24.5	

Manual Integrations
 APPROVED

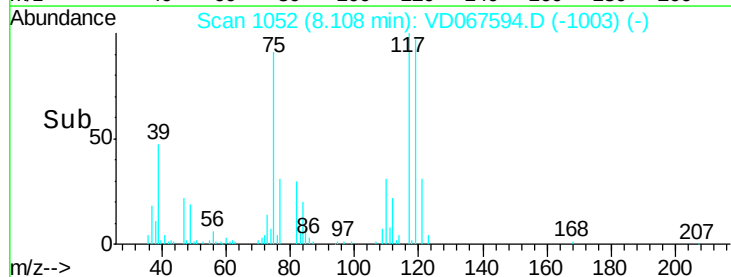
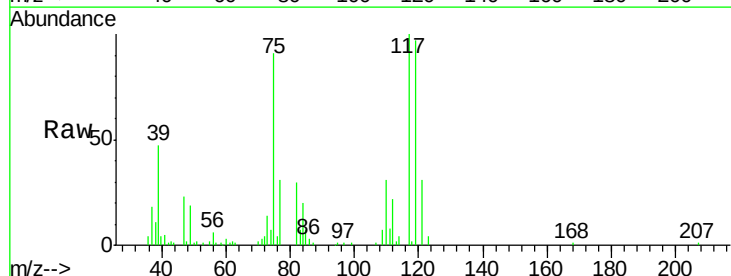
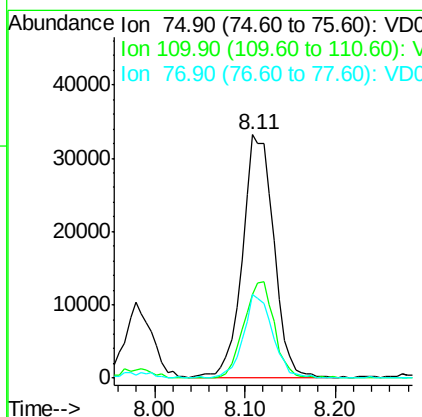
MMDadoda

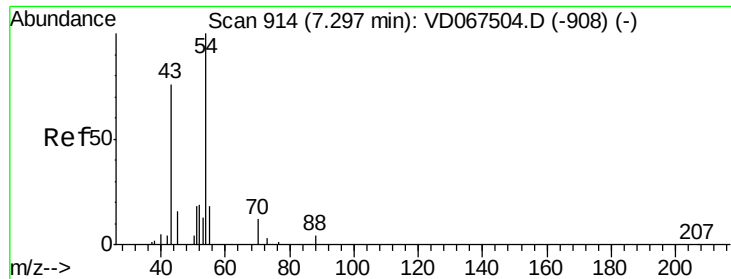
11/12/2020 1:11:40 PM



#36
 1,1-Dichloropropene
 Concen: 21.352 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD067594.D
 Acq: 11 Nov 2020 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	79896		
110	38.0	19.9	59.7	
77	31.9	24.8	37.2	





#37
Ethyl Acetate
Concen: 21.124 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

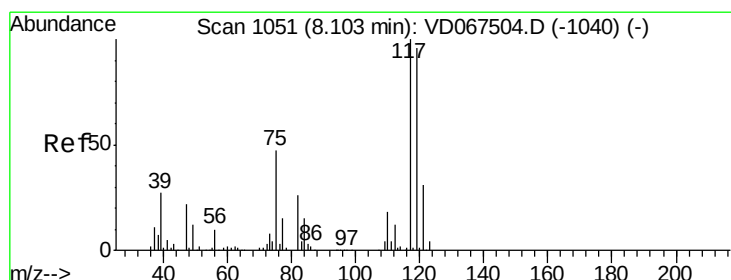
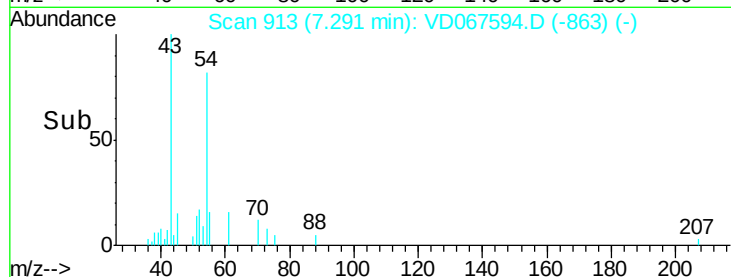
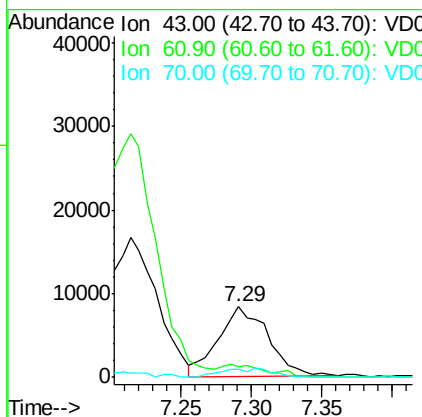
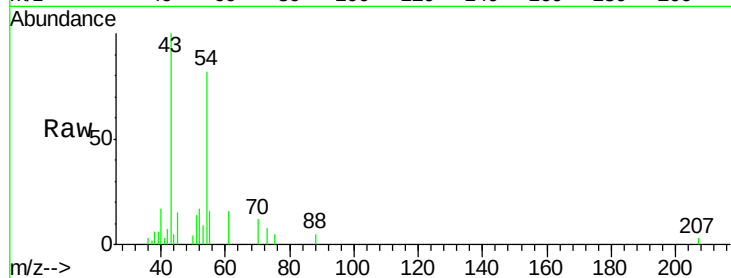
Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.1	12.8	19.2
70	7.4	11.7	17.5

Manual Integrations
APPROVED

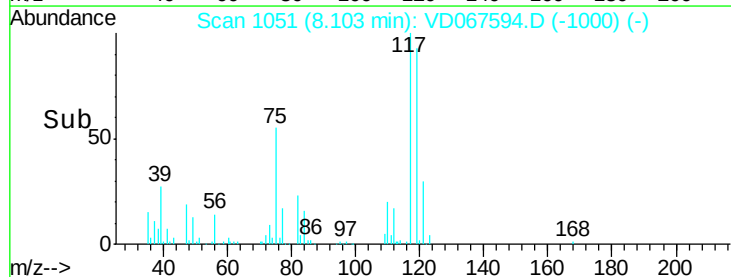
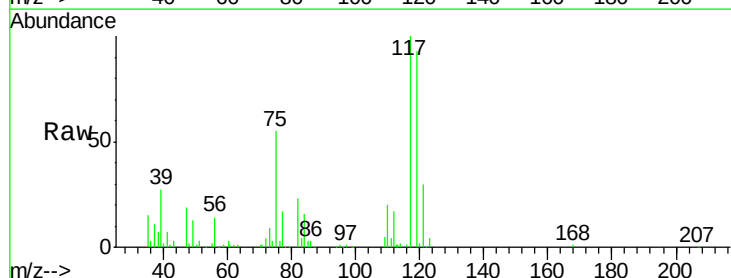
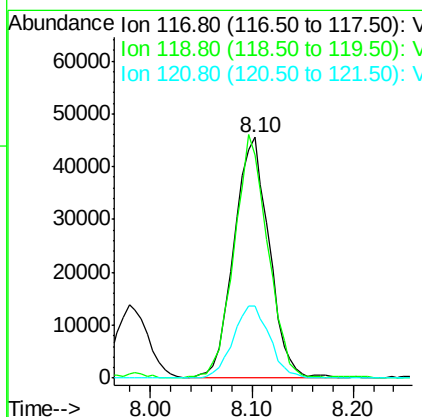
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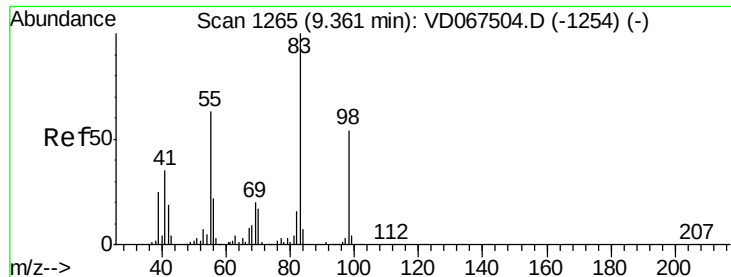
11/12/2020 1:11:40 PM



#38
Carbon Tetrachloride
Concen: 22.638 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.0	76.9	115.3
121	30.0	24.5	36.7





#39
Methylvlcyclohexane
Concen: 20.102 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

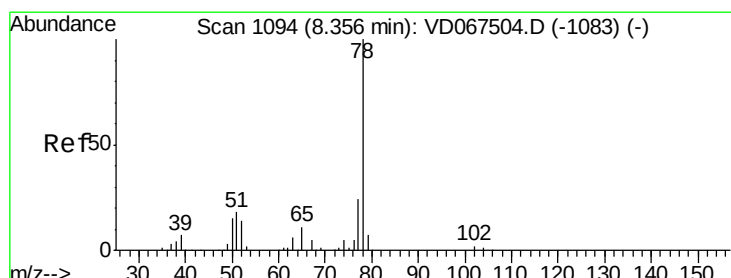
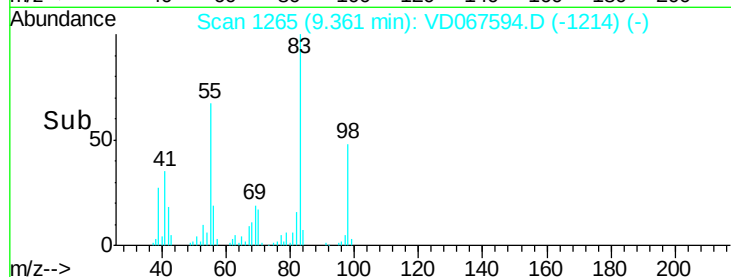
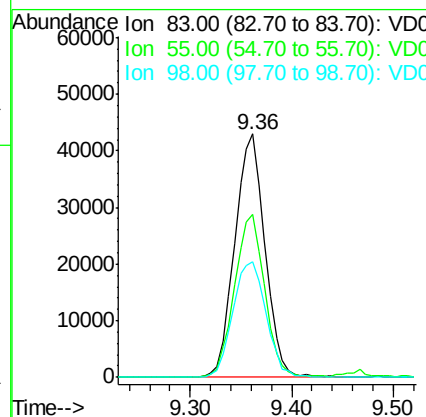
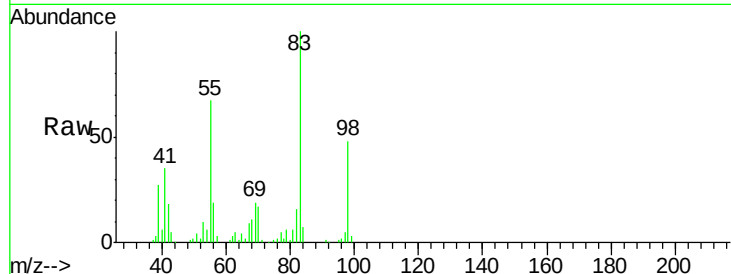
Instrument :
MSVOA_D
ClientSampleId :
VD1111SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.7	50.5	75.7
98	47.7	43.4	65.0

Manual Integrations
APPROVED

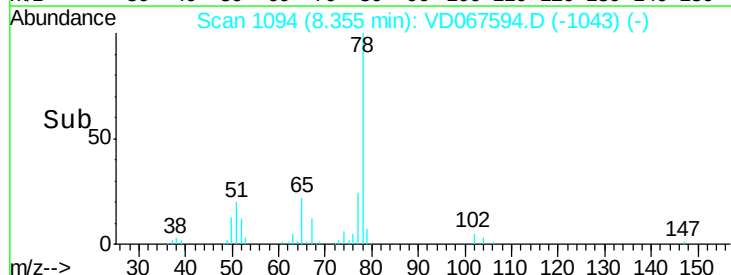
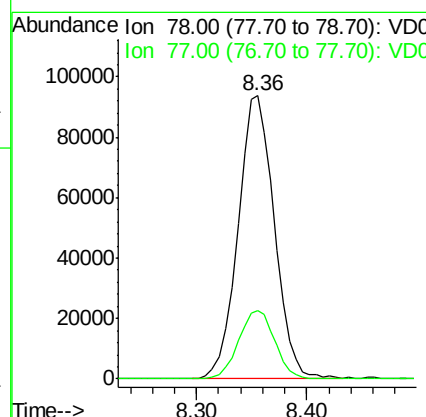
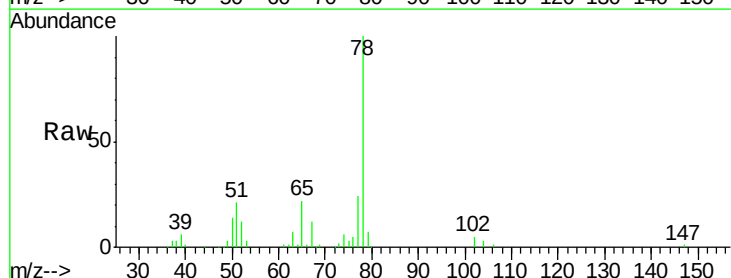
MMDadoda

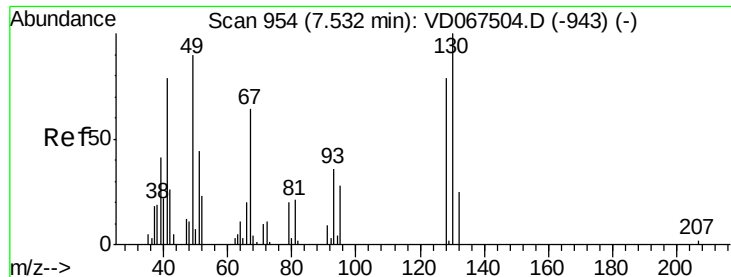
11/12/2020 1:11:40 PM



#40
Benzene
Concen: 21.302 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.1	28.7





#41
Methacrylonitrile
Concen: 19.444 ug/l
RT: 7.51 min Scan# 951
Delta R.T. -0.02 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

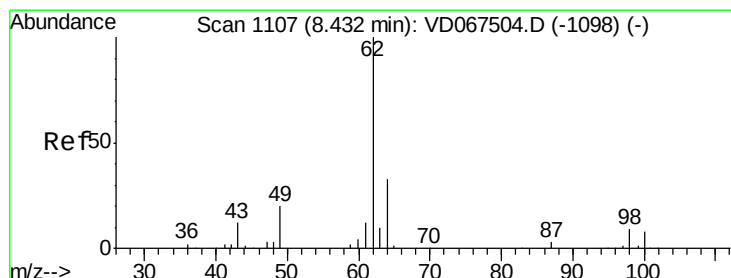
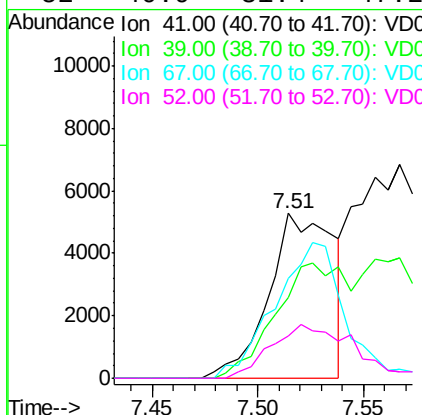
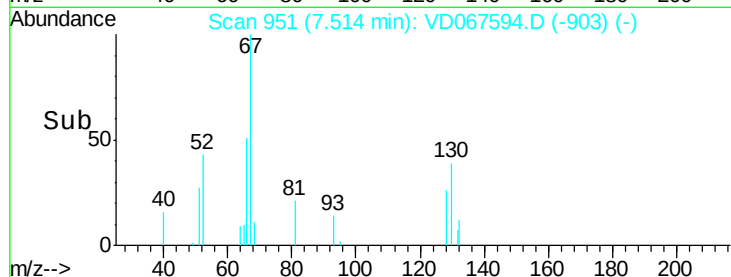
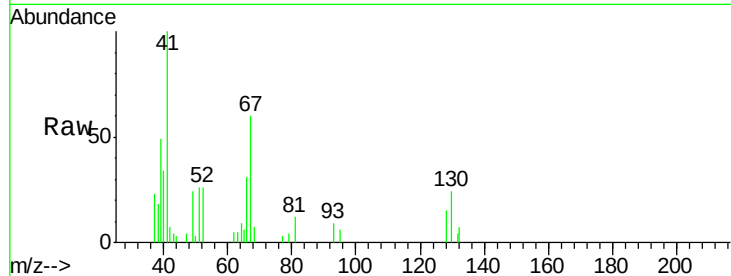
Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion:	41	Resp:	11291
Ion	Ratio	Lower	Upper
41	100		
39	76.5	51.3	76.9
67	87.6	78.9	118.3
52	40.9	31.4	47.2

Manual Integrations
APPROVED

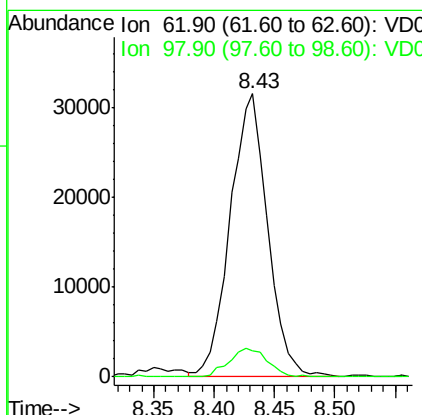
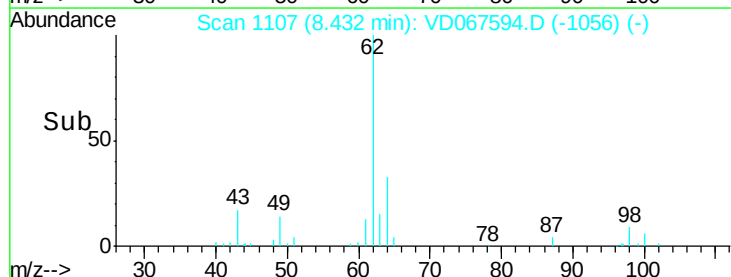
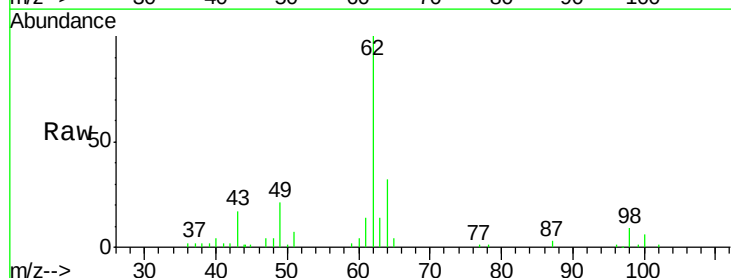
MMDadoda

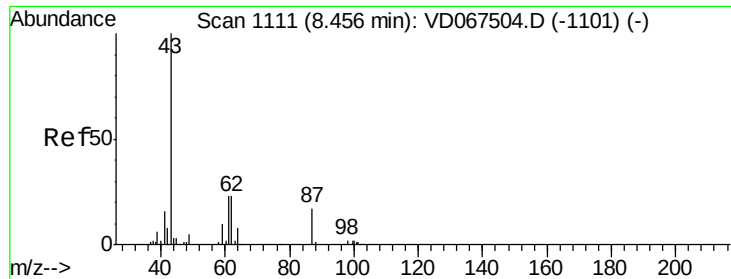
11/12/2020 1:11:40 PM



#42
1,2-Dichloroethane
Concen: 21.791 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

Tgt Ion:	62	Resp:	68242
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	19.8





#43

Isopropyl Acetate

Concen: 20.801 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD067594.D

Acq: 11 Nov 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

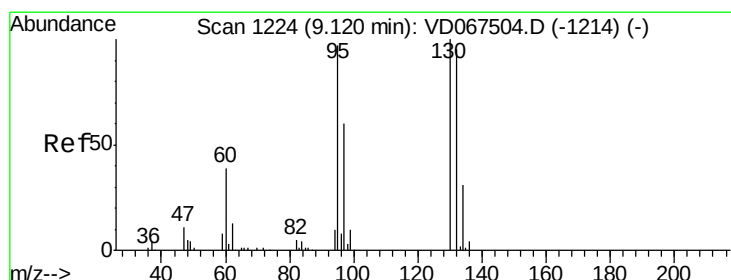
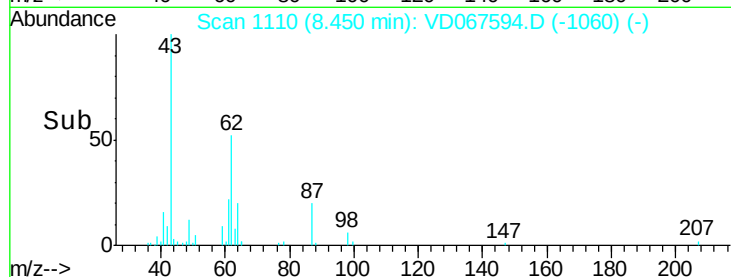
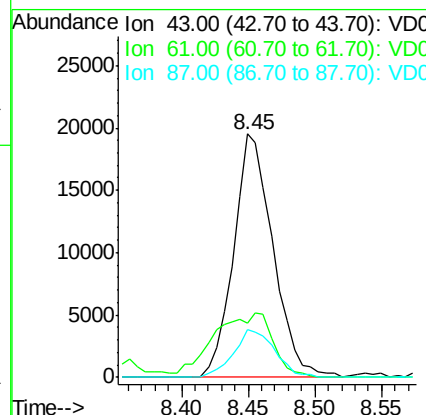
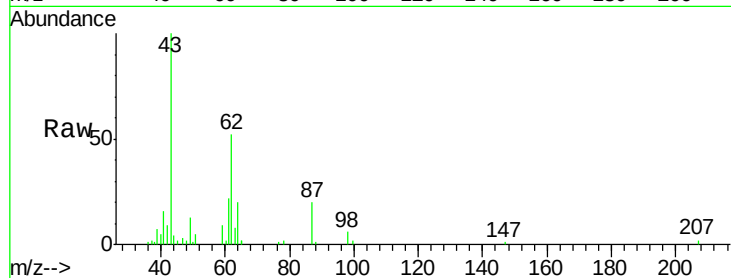
VD1111SBS01

Tot Ion:	43	Resp:	39964
Ion	Ratio	Lower	Upper
43	100		
61	40.1	30.5	45.7
87	20.6	14.7	22.1

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#44

Trichloroethene

Concen: 21.145 ug/l

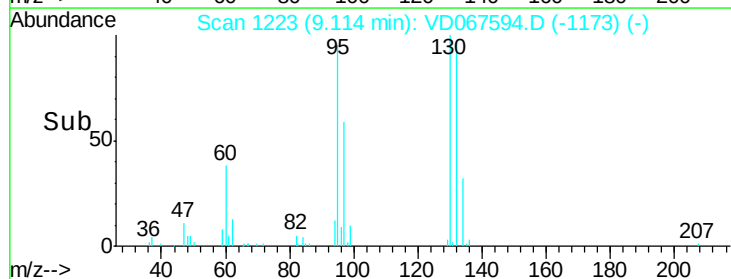
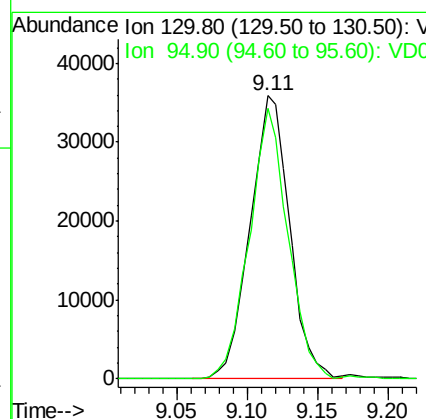
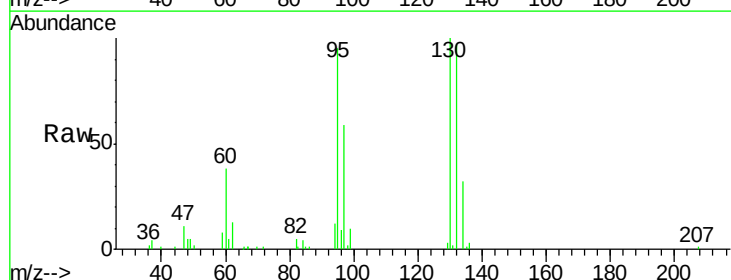
RT: 9.11 min Scan# 1223

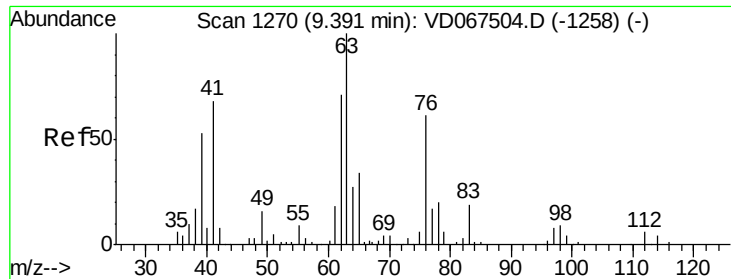
Delta R.T. -0.01 min

Lab File: VD067594.D

Acq: 11 Nov 2020 11:30

Tgt Ion:	130	Resp:	70469
Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	194.4





#45
 1,2-Dichloropropane
 Concen: 20.682 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD067594.D
 Acq: 11 Nov 2020 11:30

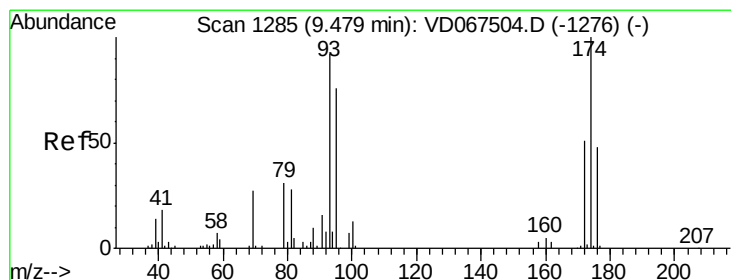
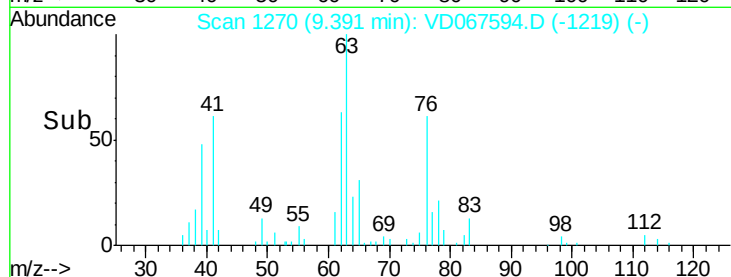
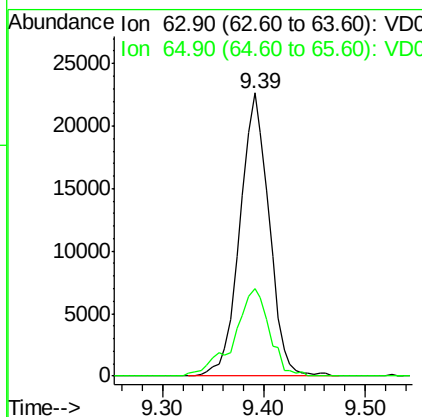
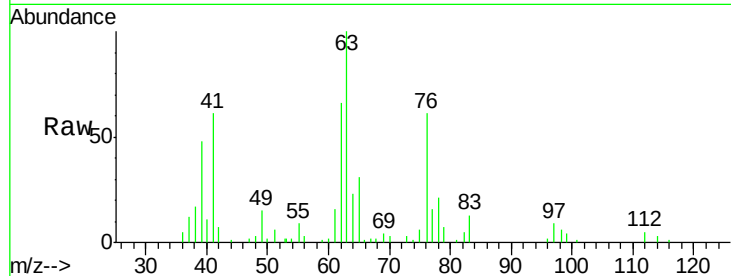
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	26.9	40.3

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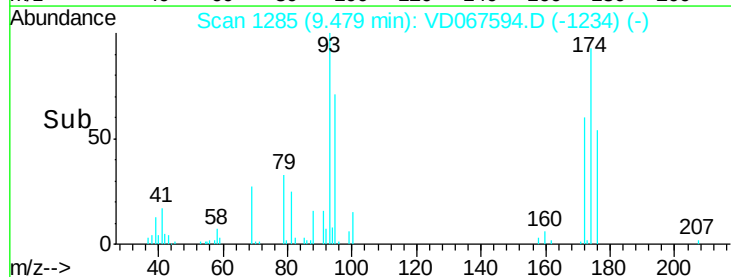
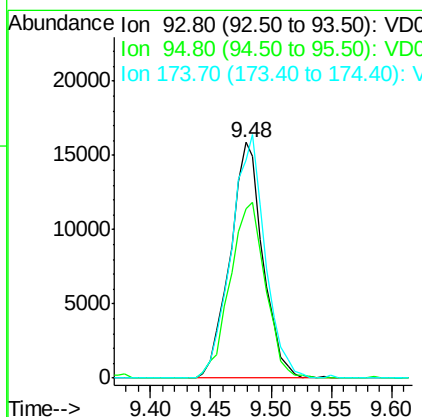
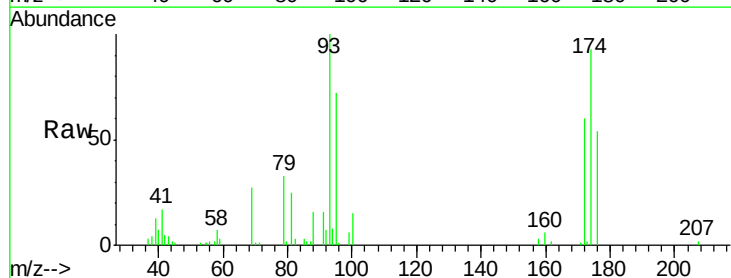
MMDadoda

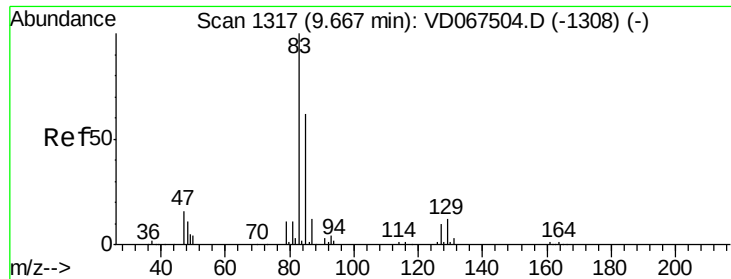
11/12/2020 1:11:40 PM



#46
 Dibromomethane
 Concen: 21.599 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD067594.D
 Acq: 11 Nov 2020 11:30

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.1	66.4	99.6
174	106.2	88.2	132.4





#47

Bromodichloromethane

Concen: 21.606 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD067594.D

Acq: 11 Nov 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

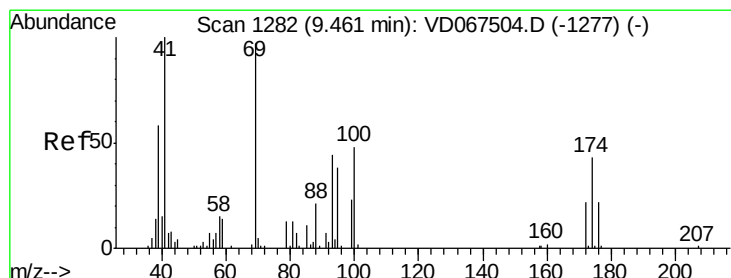
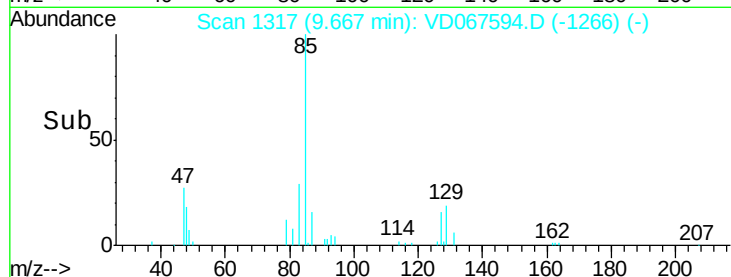
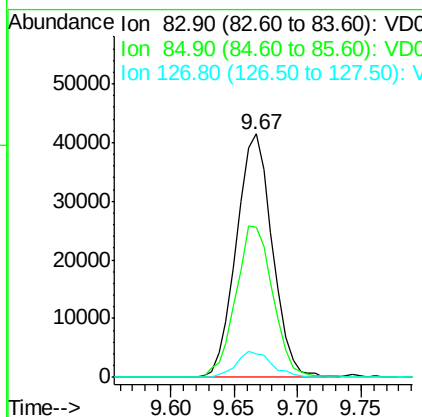
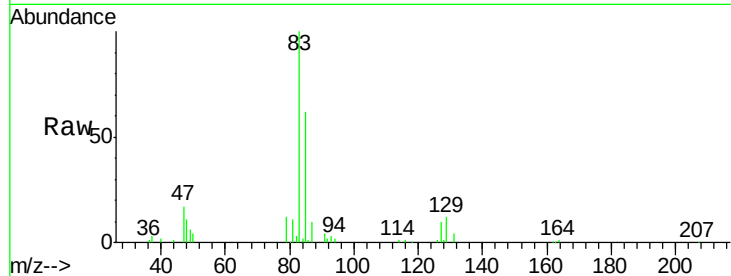
VD1111SBS01

Tot Ion:	83	Resp:	81828
Ion	Ratio	Lower	Upper
83	100		
85	61.9	49.4	74.2
127	9.8	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.143 ug/l

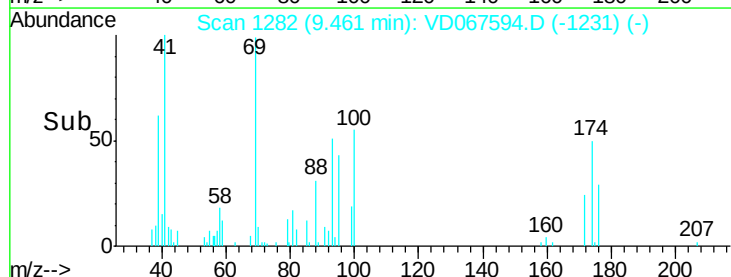
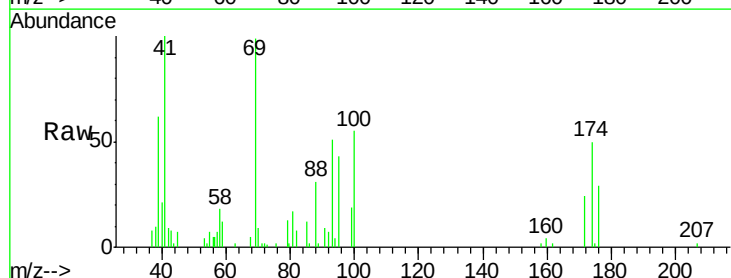
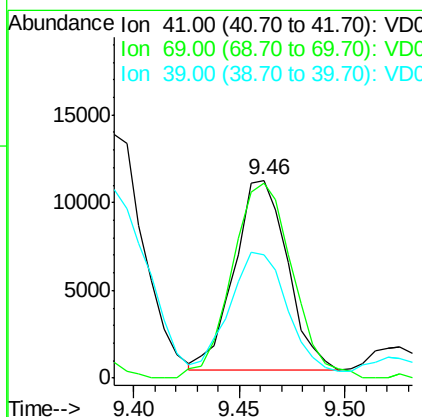
RT: 9.46 min Scan# 1282

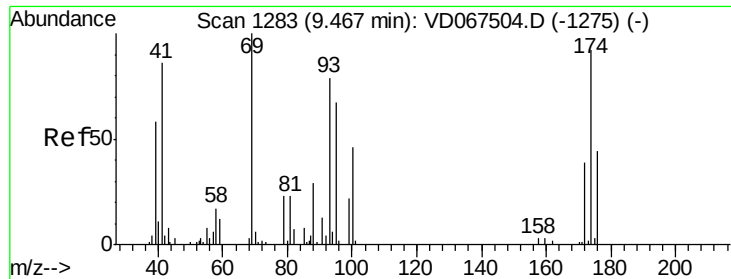
Delta R.T. -0.00 min

Lab File: VD067594.D

Acq: 11 Nov 2020 11:30

Tgt Ion:	41	Resp:	18989
Ion	Ratio	Lower	Upper
41	100		
69	116.3	80.6	121.0
39	67.6	50.2	75.4





#49
1,4-Dioxane
Concen: 474.014 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

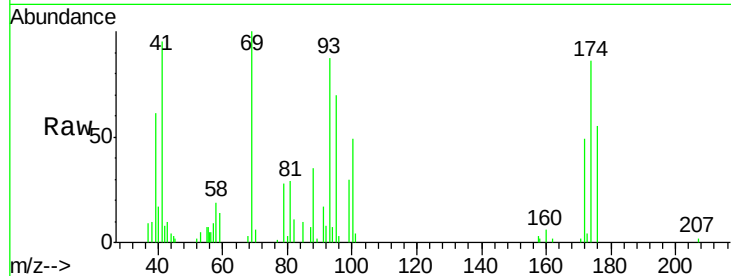
Instrument :
MSVOA_D
ClientSampleId :
VD1111SBSD01

Tot Ion	88	Resp	6705
Ion Ratio	100	Lower	Upper
88	100		
43	29.4	23.6	35.4
58	59.2	44.7	67.1

Manual Integrations
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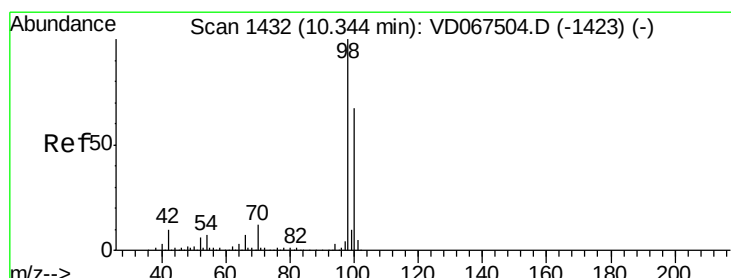
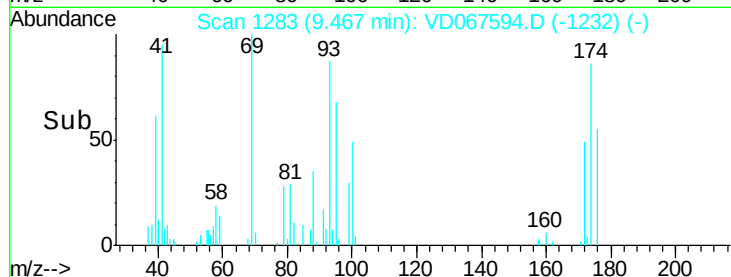
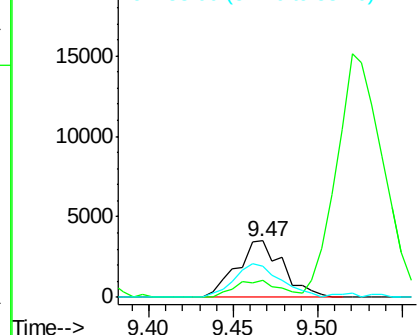


Abundance

Ion 88.00 (87.70 to 88.70): VDC

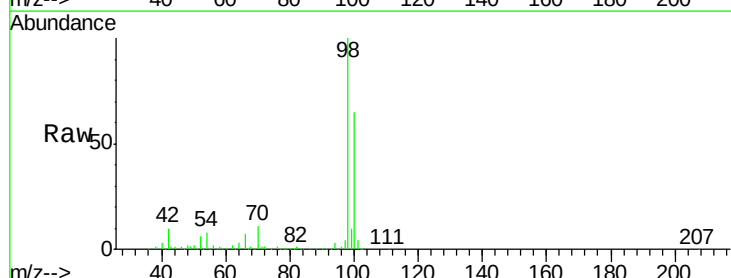
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 47.611 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

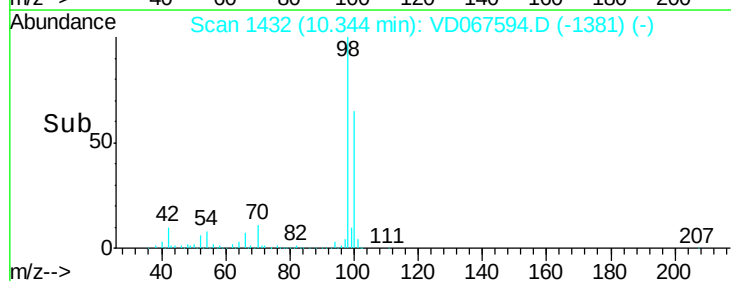
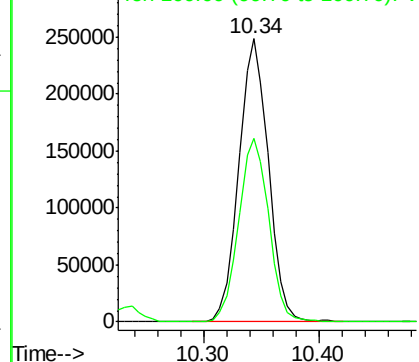
Tgt Ion	98	Resp	440674
Ion Ratio	100	Lower	Upper
98	100		
100	66.2	53.0	79.6

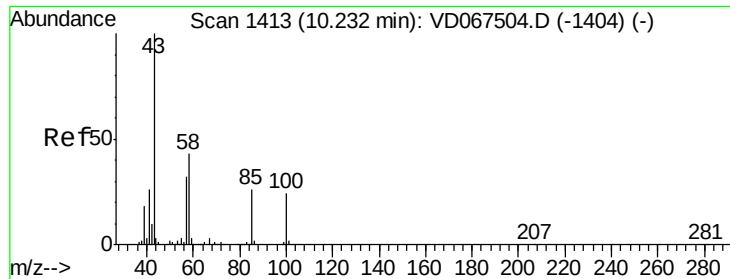


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51
4-Methyl-2-Pentanone
Concen: 105.623 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

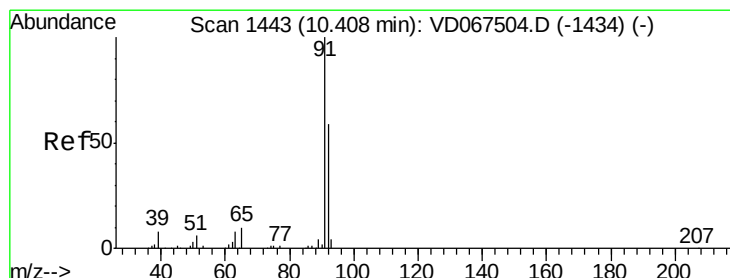
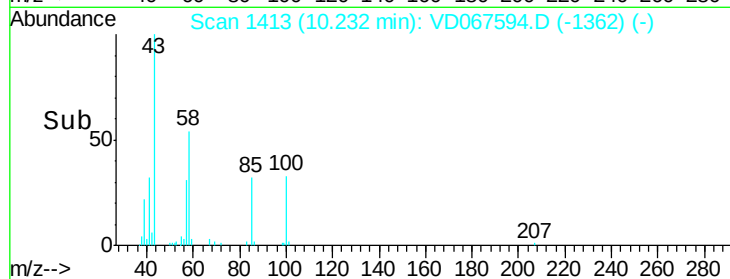
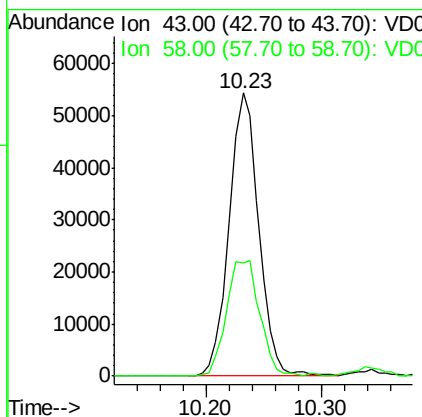
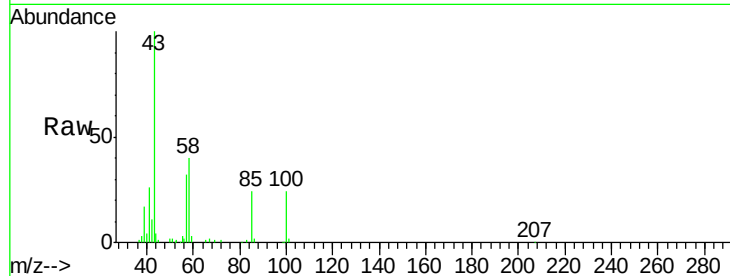
Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	43	Resp	97051
Ion Ratio	100	Lower	Upper
43	100		
58	45.7	35.6	53.4

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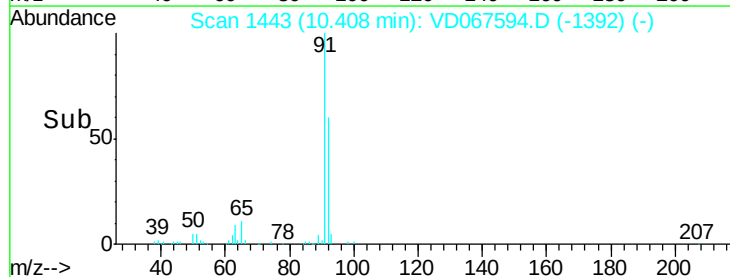
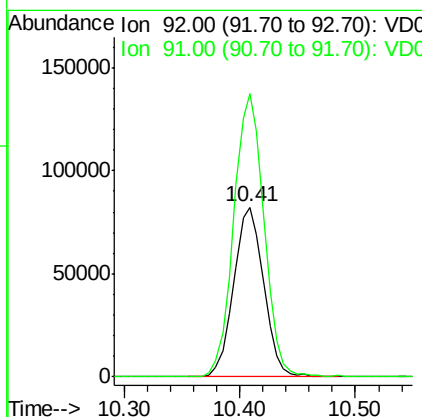
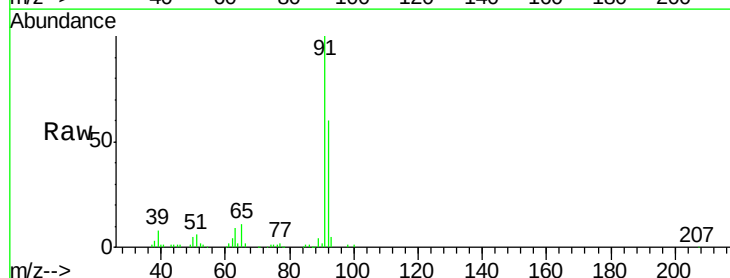
MMDadoda

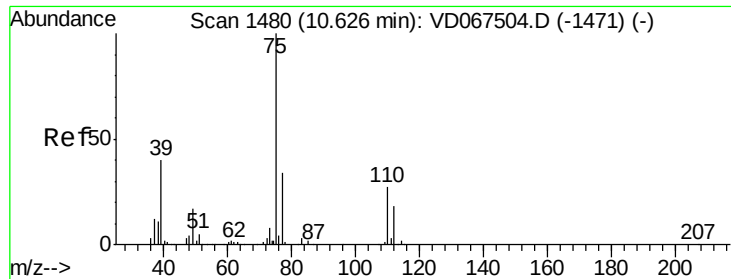
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#52
Toluene
Concen: 21.771 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

Tgt Ion	92	Resp	147803
Ion Ratio	100	Lower	Upper
92	100		
91	168.2	137.0	205.6





#53
t-1,3-Dichloropropene
Concen: 21.171 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

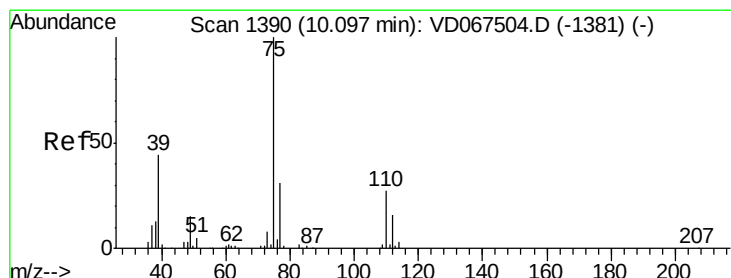
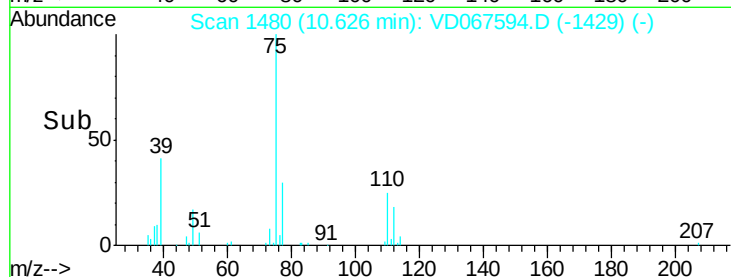
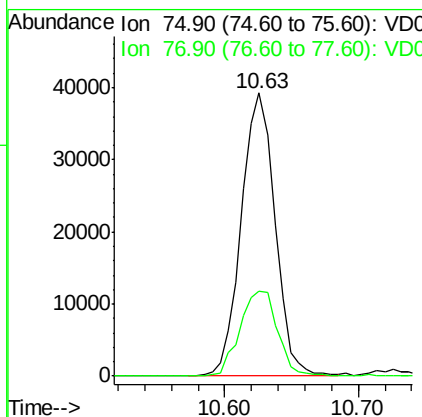
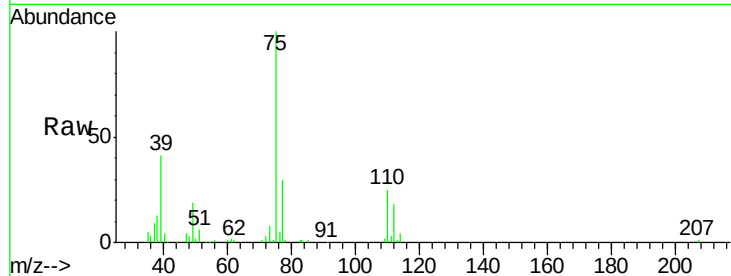
Instrument :
MSVOA_D
ClientSampleId :
VD1111SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.0	27.0	40.6

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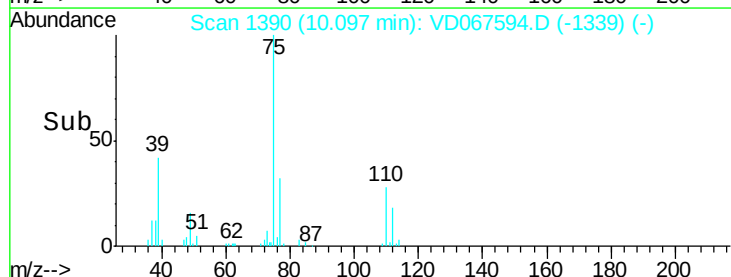
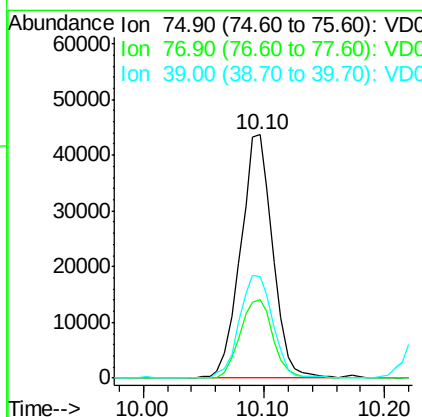
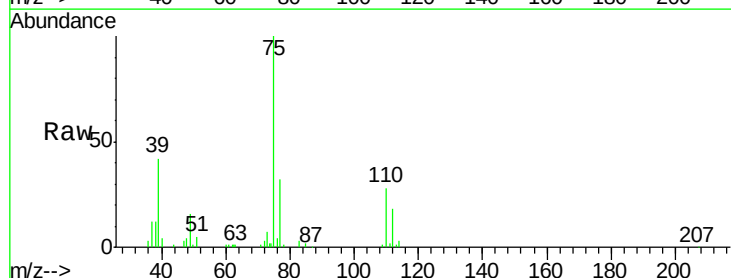
MMDadoda

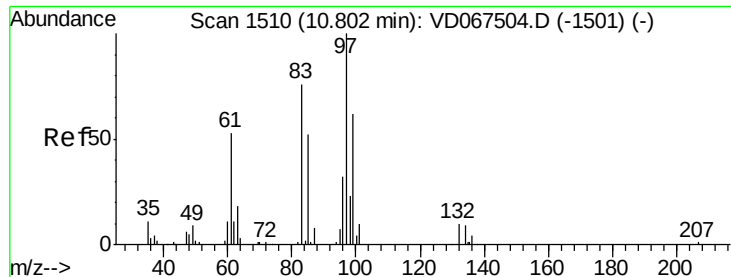
11/12/2020 1:11:40 PM



#54
cis-1,3-Dichloropropene
Concen: 21.073 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.4	36.6
39	41.7	35.6	53.4





#55
 1,1,2-Trichloroethane
 Concen: 21.941 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD067594.D
 Acq: 11 Nov 2020 11:30

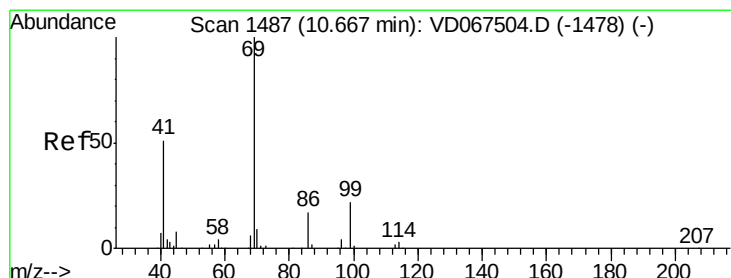
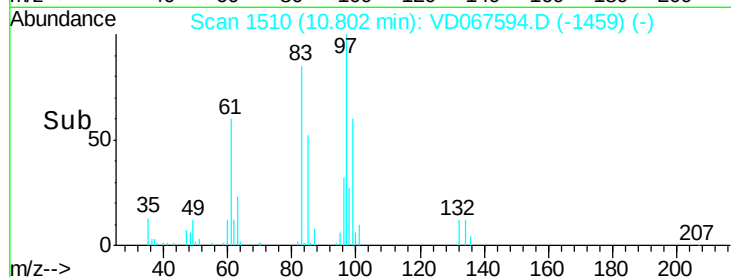
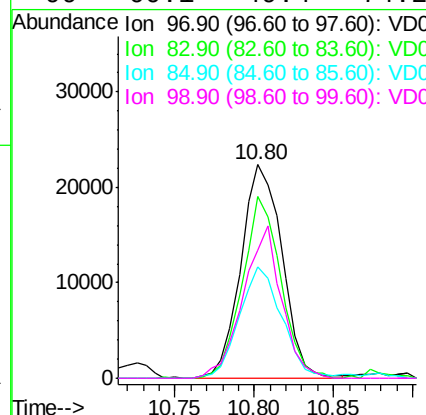
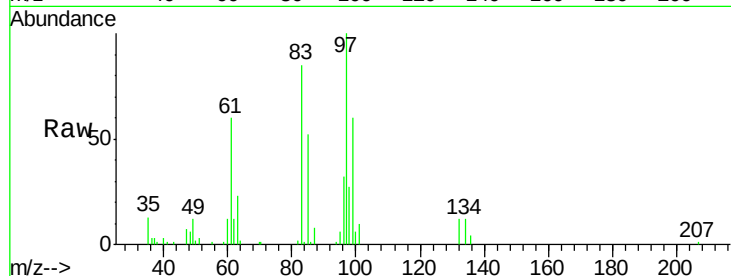
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBS01

Tot Ion:	97	Resp:	40450
Ion	Ratio	Lower	Upper
97	100		
83	85.2	61.0	91.6
85	52.0	41.5	62.3
99	60.1	49.4	74.2

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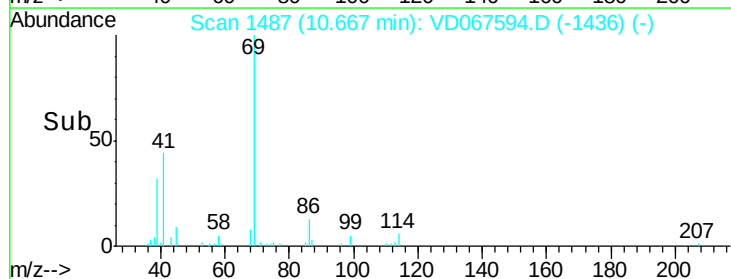
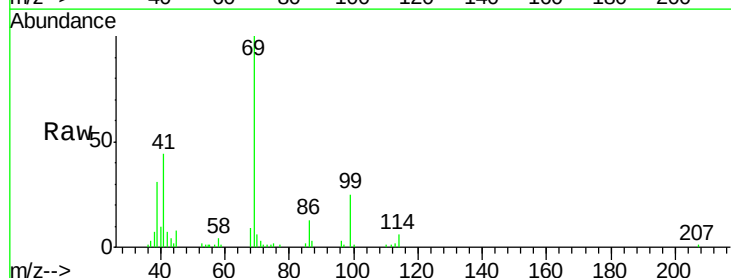
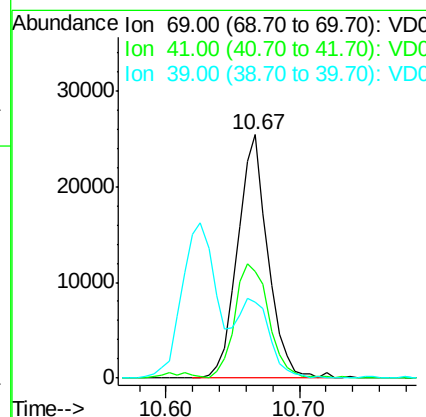
MMDadoda

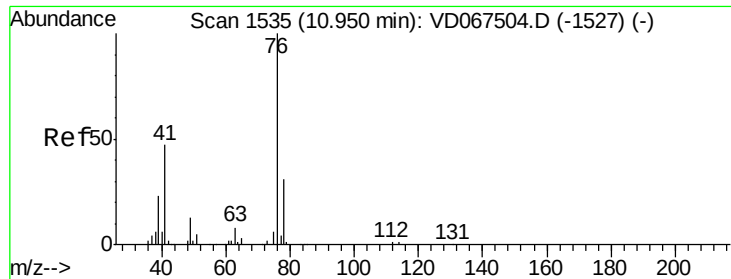
11/12/2020 1:11:40 PM



#56
 Ethyl methacrylate
 Concen: 21.103 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD067594.D
 Acq: 11 Nov 2020 11:30

Tgt Ion:	69	Resp:	40177
Ion	Ratio	Lower	Upper
69	100		
41	52.8	45.4	68.0
39	32.7	27.4	41.0





#57

1,3-Dichloropropane

Concen: 21.715 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD067594.D

Acq: 11 Nov 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion: 76 Resp: 64422

Ion Ratio Lower Upper

76 100

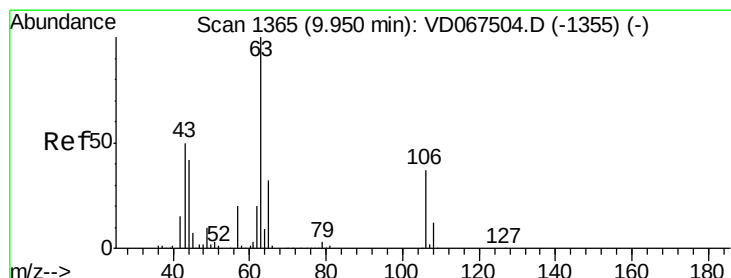
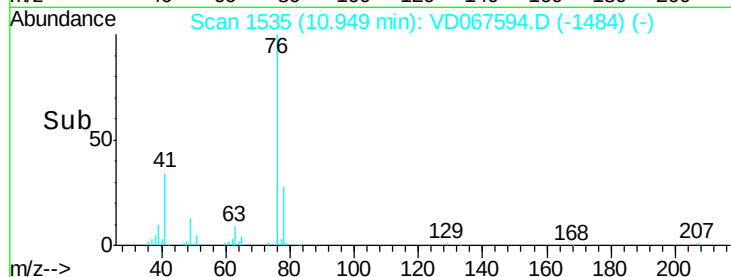
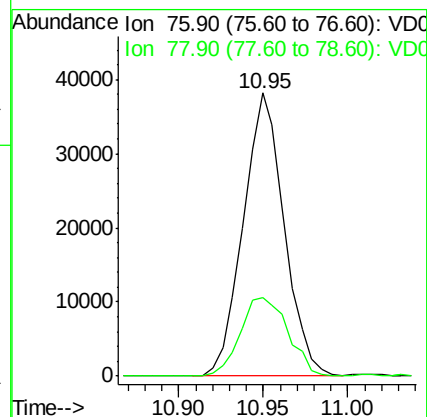
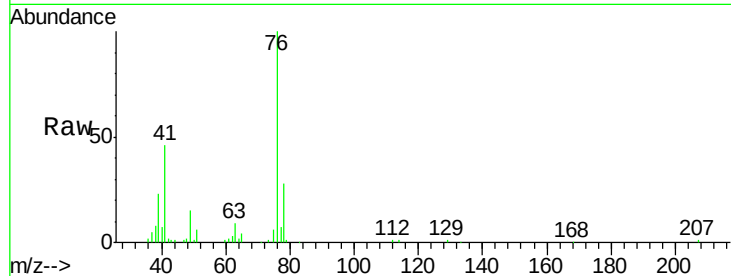
78 32.3 26.1 39.1

Manual Integrations

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11/12/2020 1:11:40 PM



#58

2-Chloroethyl Vinyl ether

Concen: 102.228 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD067594.D

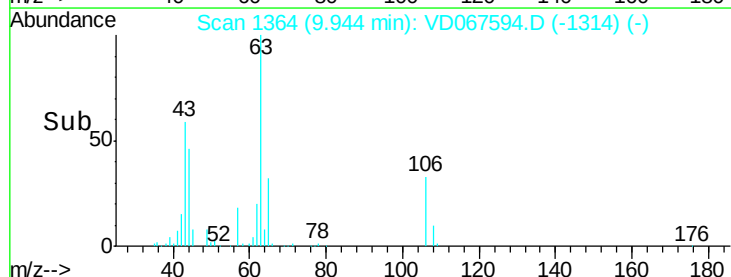
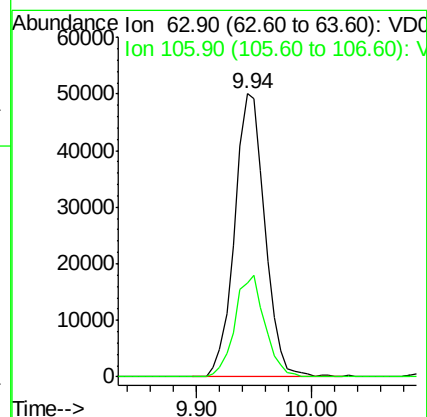
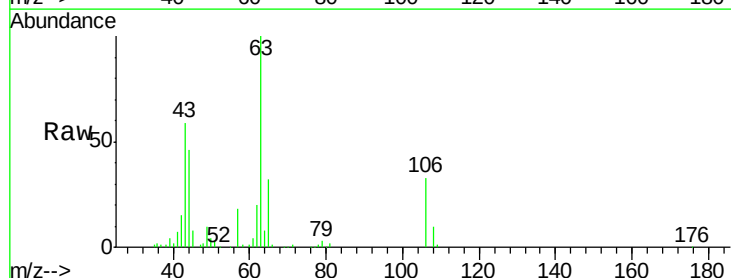
Acq: 11 Nov 2020 11:30

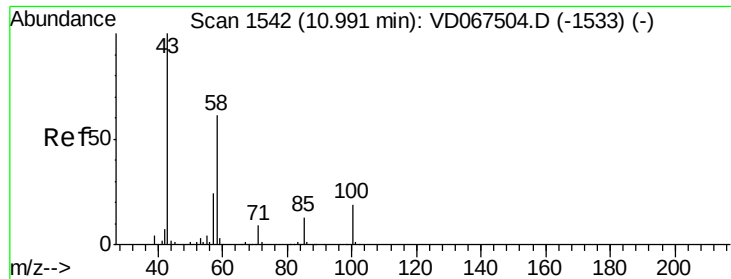
Tgt Ion: 63 Resp: 90759

Ion Ratio Lower Upper

63 100

106 35.6 29.2 43.8





#59
2-Hexanone
Concen: 103.818 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

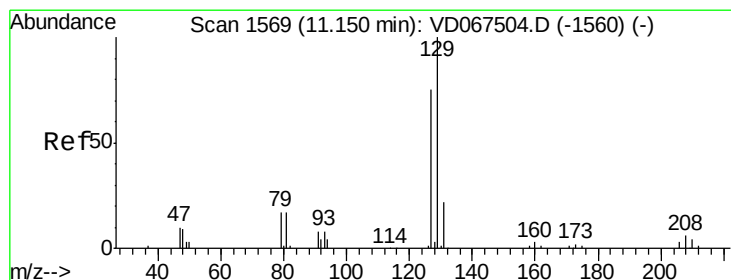
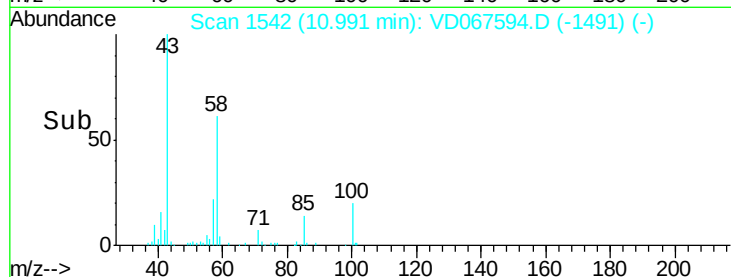
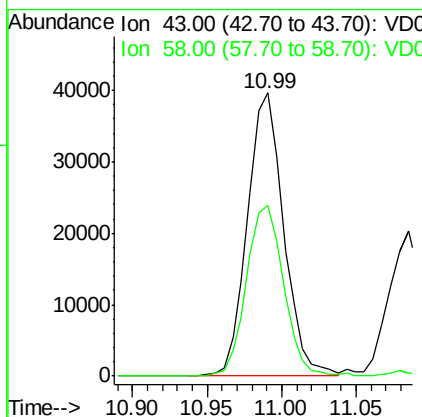
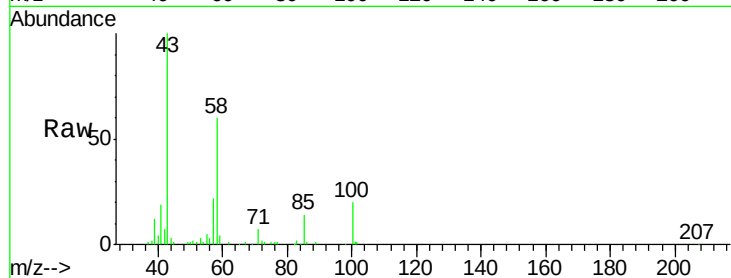
Instrument :
MSVOA_D
ClientSampleId :
VD1111SBSD01

Tot Ion: 43 Resp: 66698
Ion Ratio Lower Upper
43 100
58 61.6 30.3 90.9

Manual Integrations
APPROVED

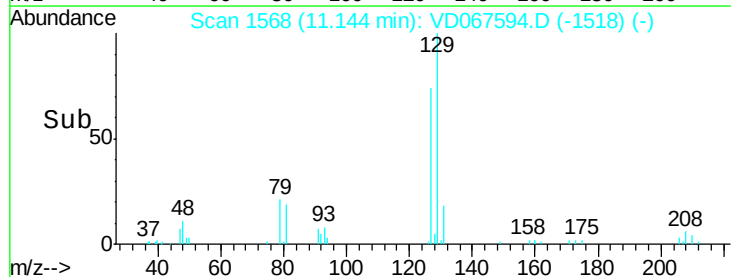
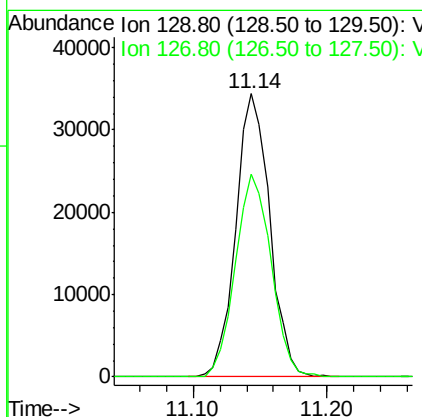
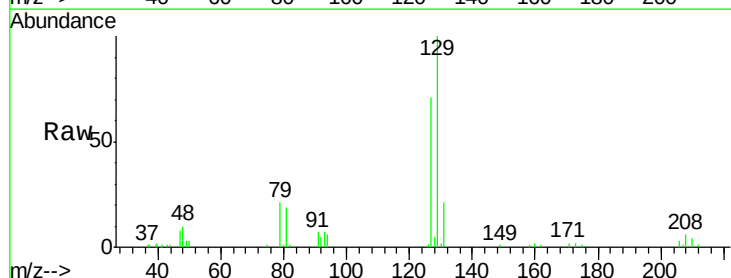
MMDadoda

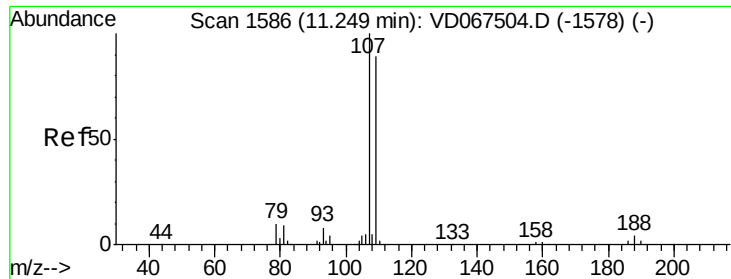
11/12/2020 1:11:40 PM



#60
Dibromochloromethane
Concen: 22.164 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

Tgt Ion: 129 Resp: 60446
Ion Ratio Lower Upper
129 100
127 75.5 38.0 114.1





#61
 1,2-Dibromoethane
 Concen: 21.406 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD067594.D
 Acq: 11 Nov 2020 11:30

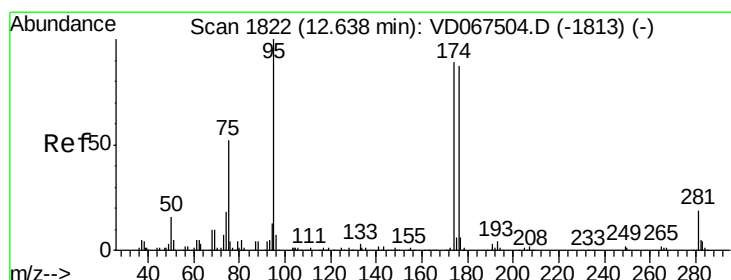
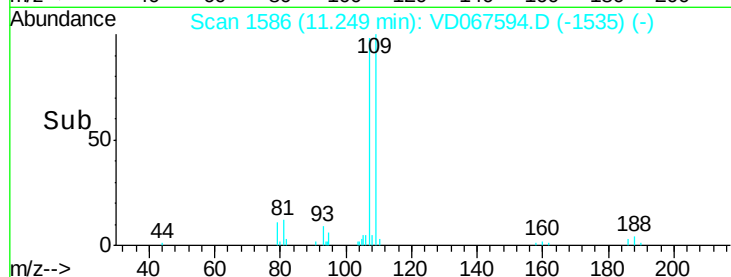
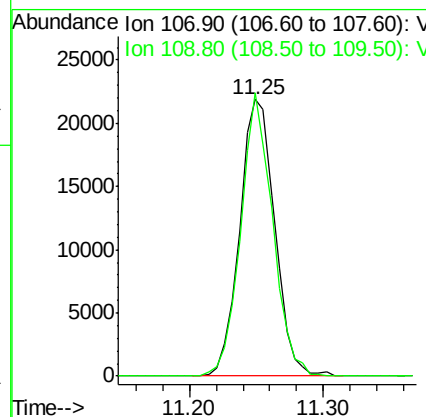
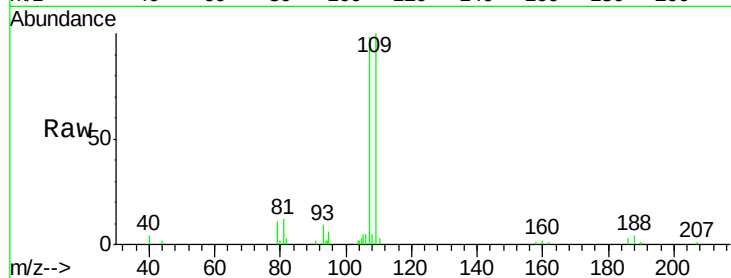
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	74.6	111.8

Manual Integrations
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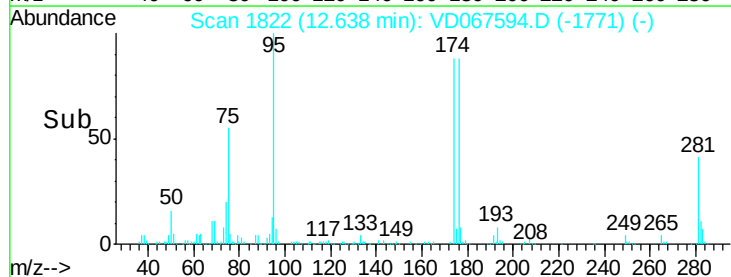
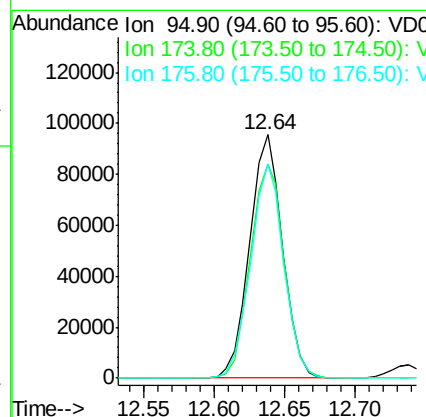
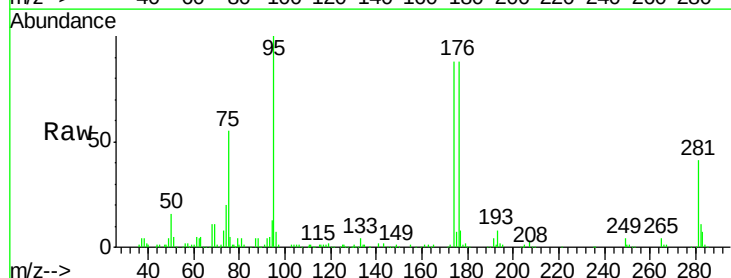
MMDadoda

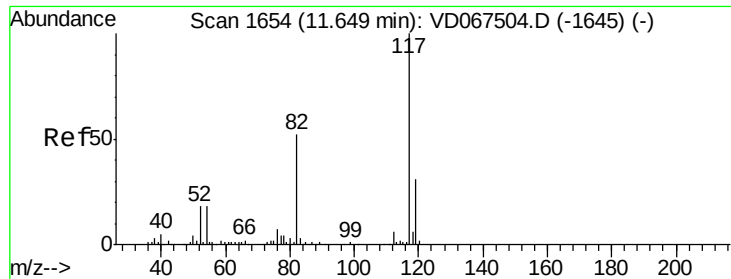
11/12/2020 1:11:40 PM



#62
 4-Bromofluorobenzene
 Concen: 48.951 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067594.D
 Acq: 11 Nov 2020 11:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.9	0.0	177.8
176	88.5	0.0	172.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

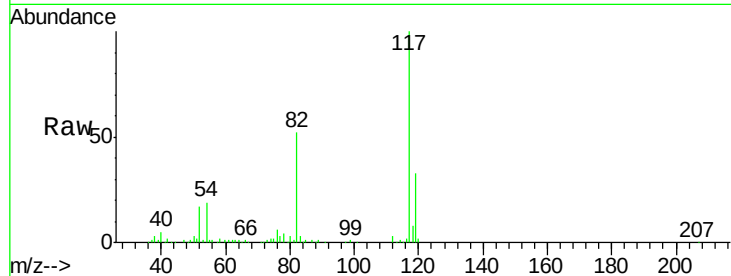
Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	389775		
82	52.3		41.6	62.4
119	32.8		25.1	37.7

Manual Integrations
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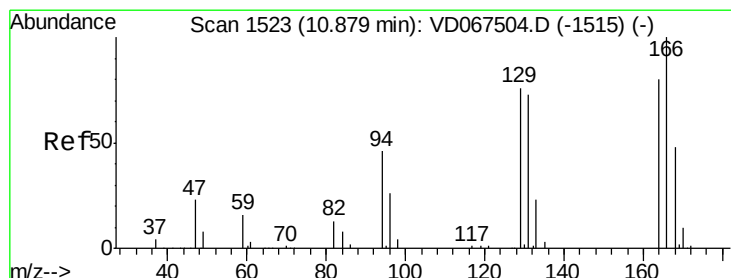
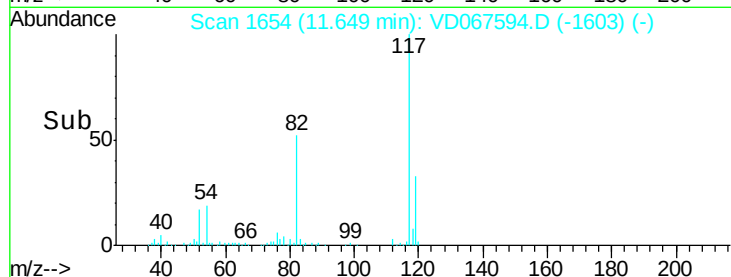
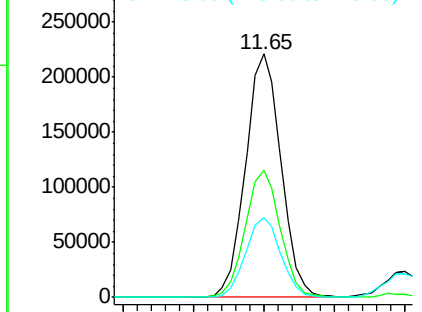


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 21.706 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	62659		
166	143.2		99.9	149.9
129	107.4		75.5	113.3
131	100.6		73.4	110.0

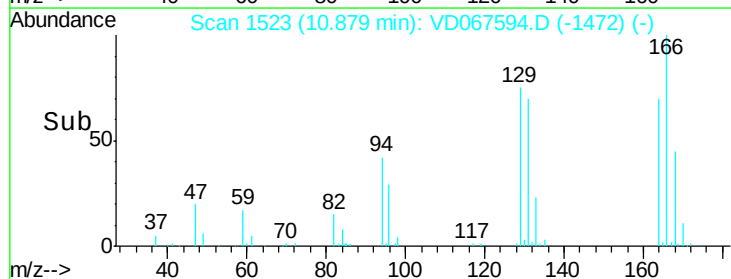
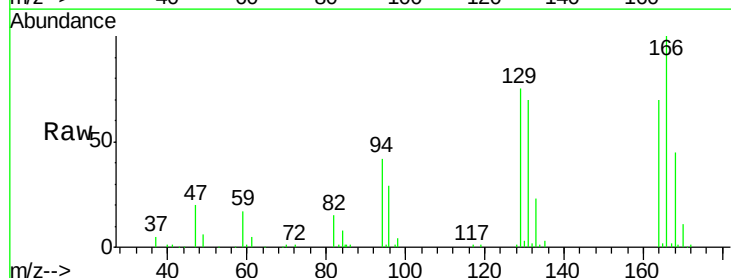
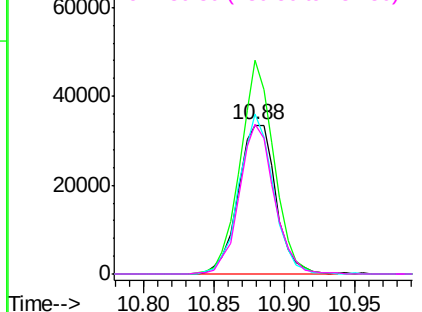
Abundance

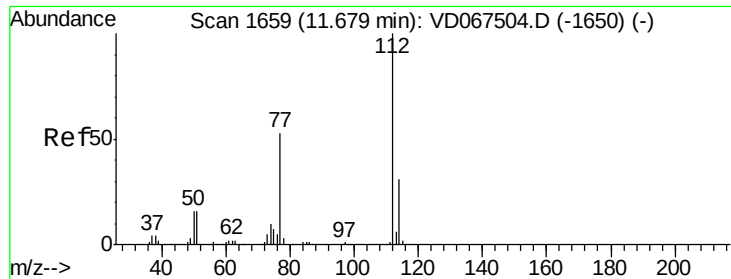
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65
Chlorobenzene
Concen: 21.901 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

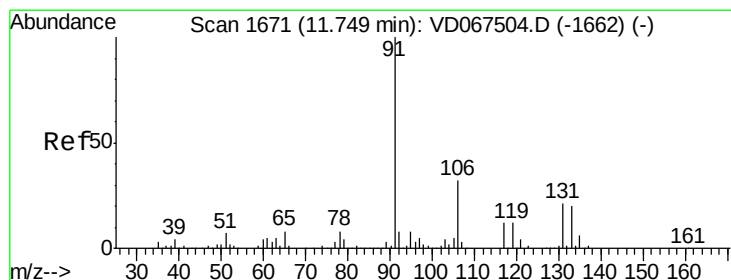
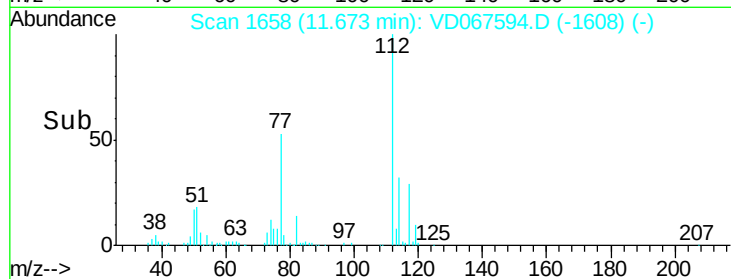
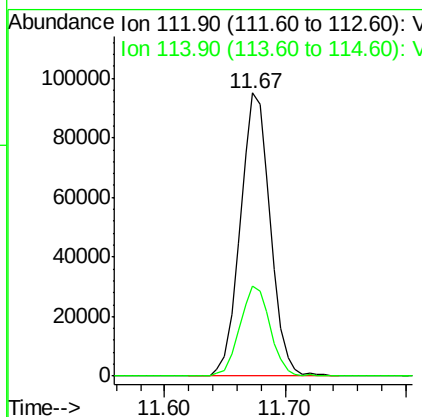
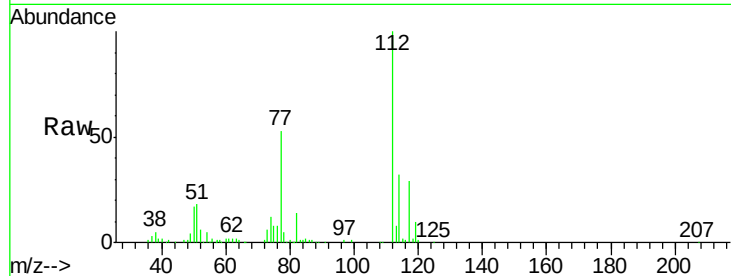
Instrument :
MSVOA_D
ClientSampleId :
VD1111SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	24.9	37.3

Manual Integrations
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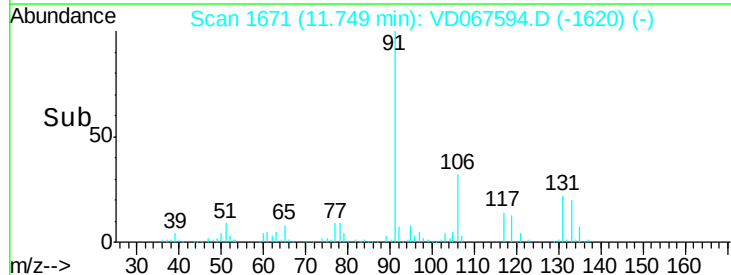
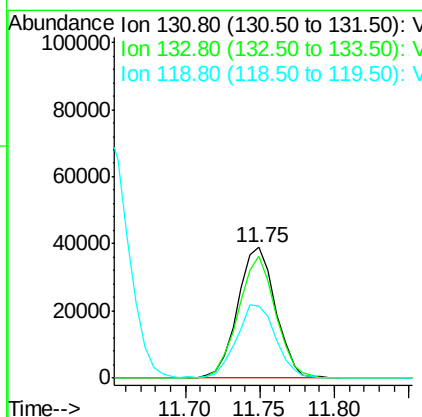
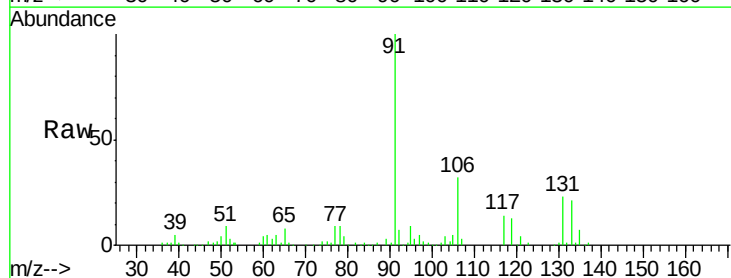
MMDadoda

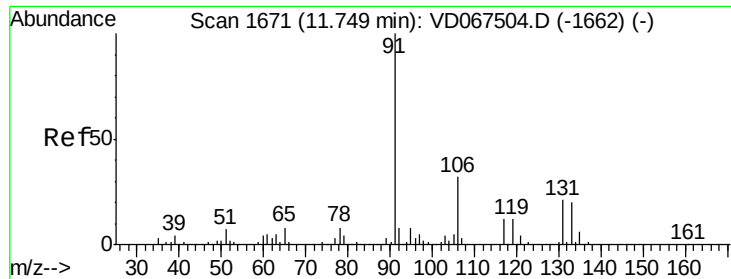
11/12/2020 1:11:40 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 23.039 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.5	48.0	144.0
119	58.5	30.1	90.5





#67

Ethyl Benzene

Concen: 22.011 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067594.D

Acq: 11 Nov 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion: 91 Resp: 282794

Ion Ratio Lower Upper

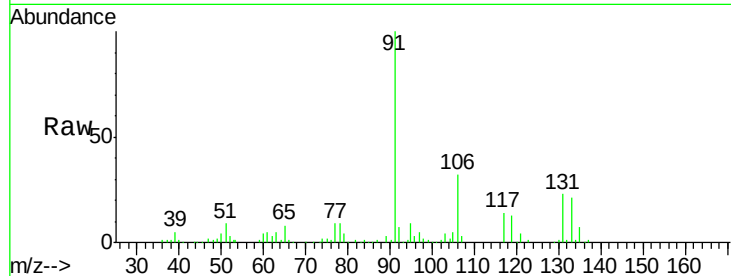
91 100

106 32.5 25.7 38.5

Manual Integrations
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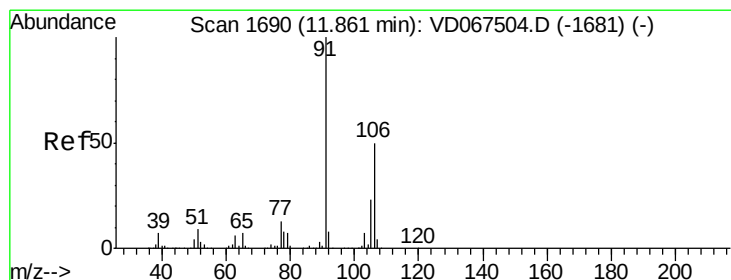
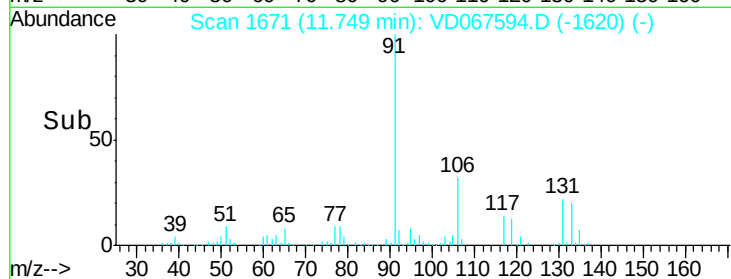
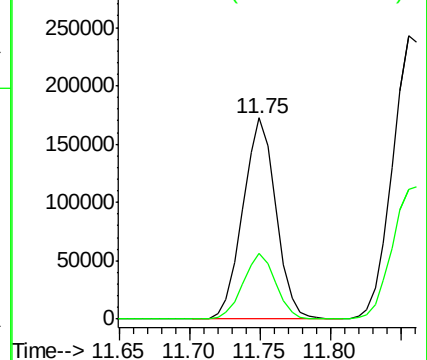
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 43.863 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD067594.D

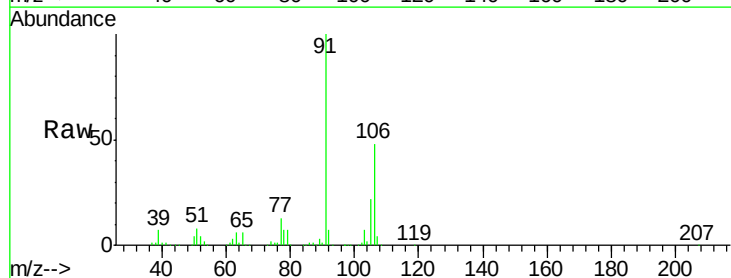
Acq: 11 Nov 2020 11:30

Tgt Ion: 106 Resp: 219243

Ion Ratio Lower Upper

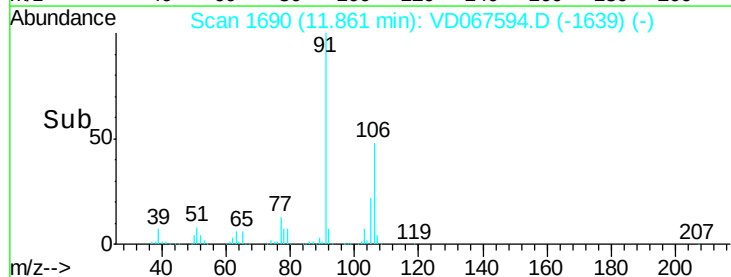
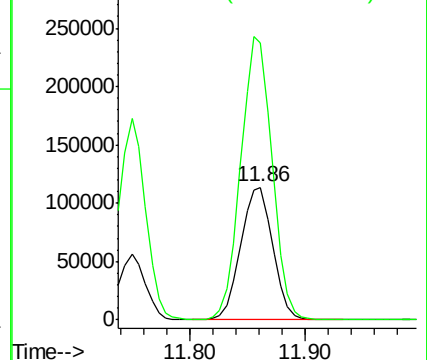
106 100

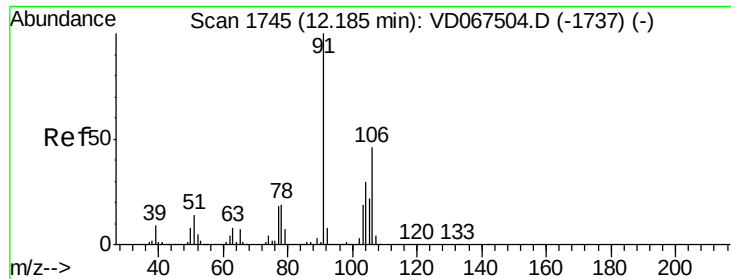
91 208.3 162.6 244.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC





#69
o-Xylene
Concen: 22.591 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

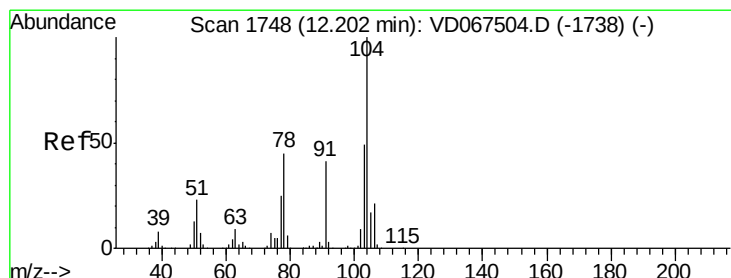
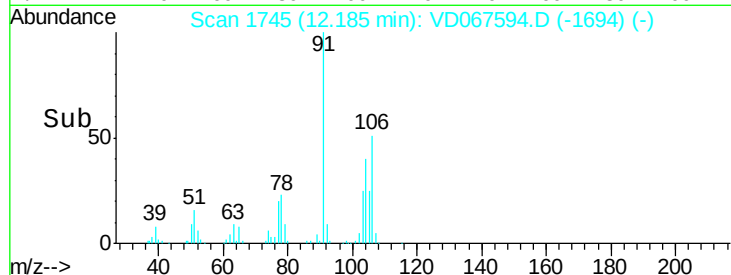
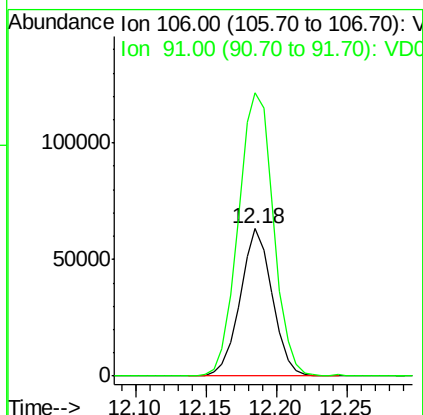
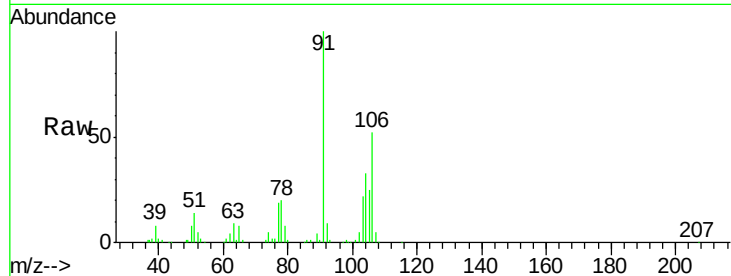
Instrument :
MSVOA_D
ClientSampleId :
VD1111SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	100818		
91	209.6	107.1	321.1	

Manual Integrations
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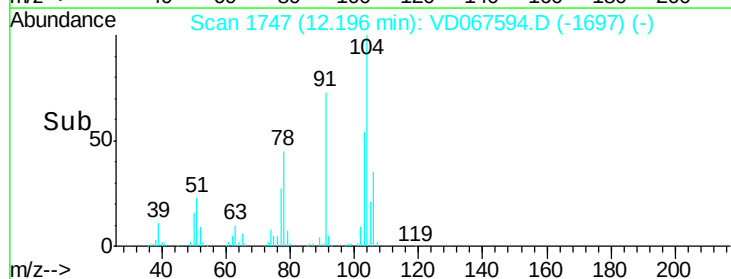
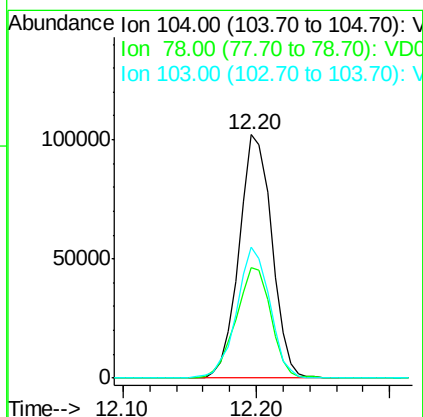
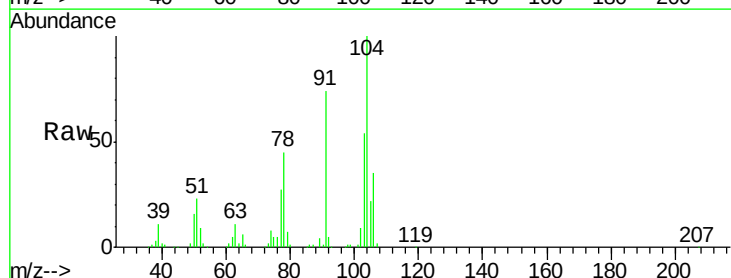
MMDadoda

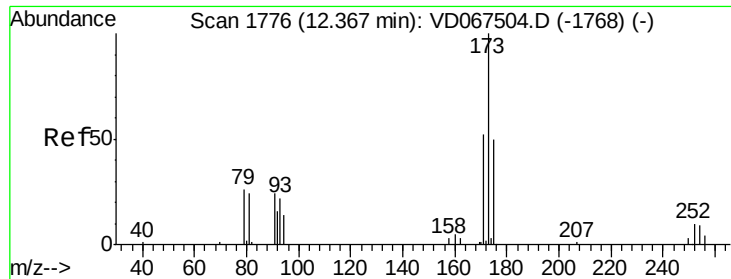
11/12/2020 1:11:40 PM



#70
Styrene
Concen: 22.371 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	173963		
78	48.7	39.8	59.8	
103	54.4	43.9	65.9	





#71
Bromoform
Concen: 23.443 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

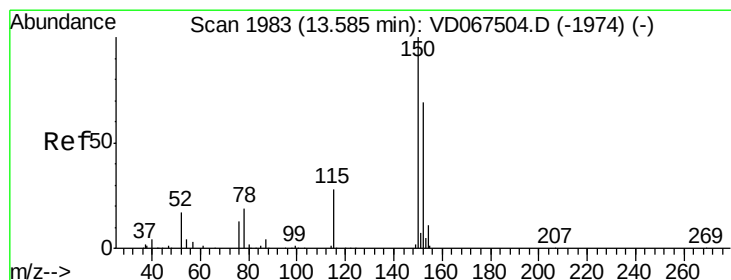
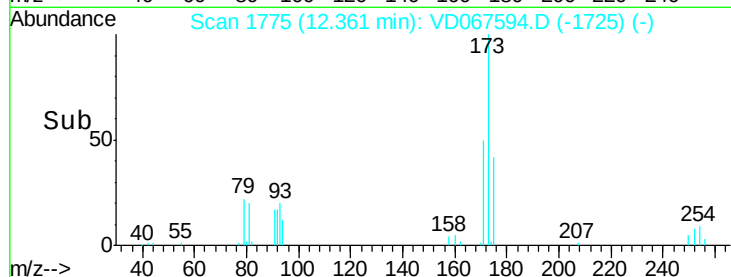
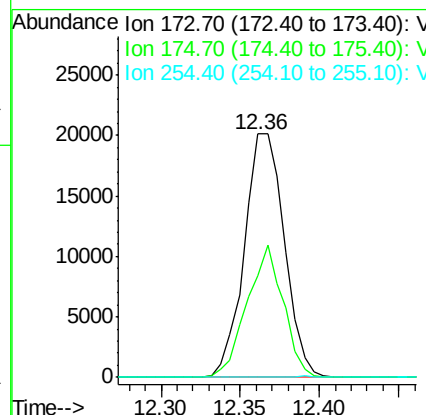
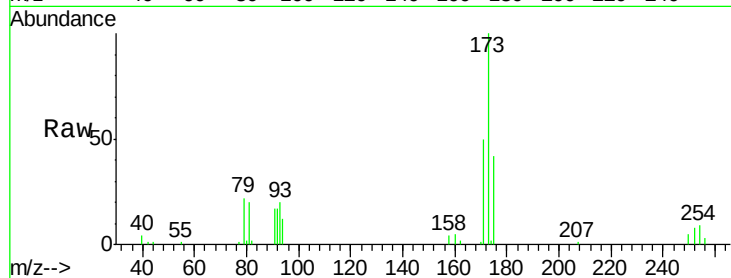
Instrument :
MSVOA_D
ClientSampleId :
VD1111SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.1	72.2
254	0.0	0.0	0.0

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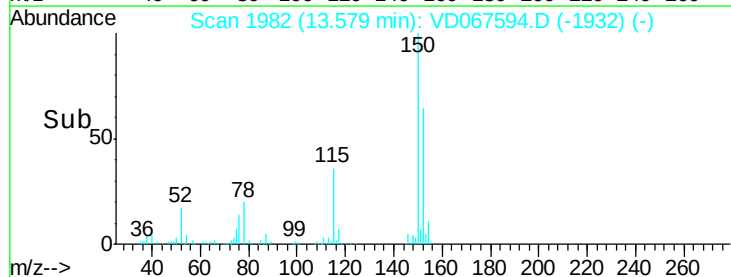
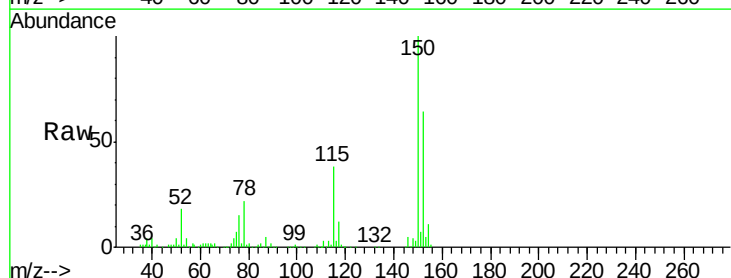
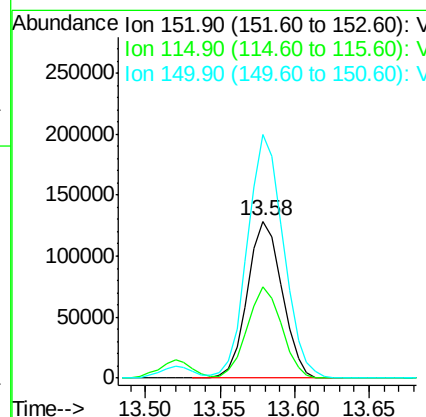
MMDadoda

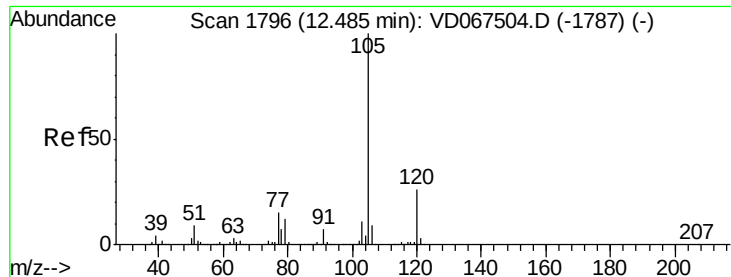
11/12/2020 1:11:40 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.4	29.3	88.0
150	161.4	0.0	338.2





#73

Isopropylbenzene

Concen: 21.492 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067594.D

Acq: 11 Nov 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion:105 Resp: 286457

Ion Ratio Lower Upper

105 100

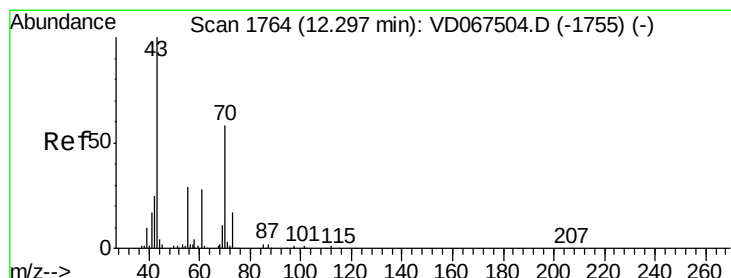
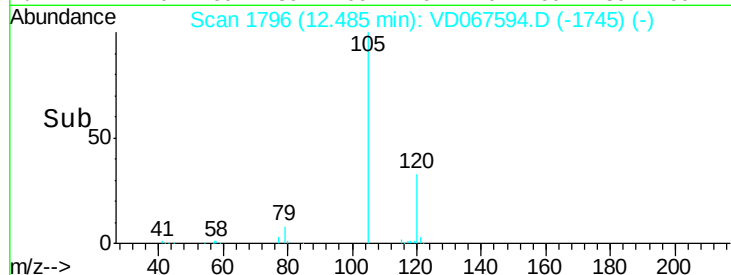
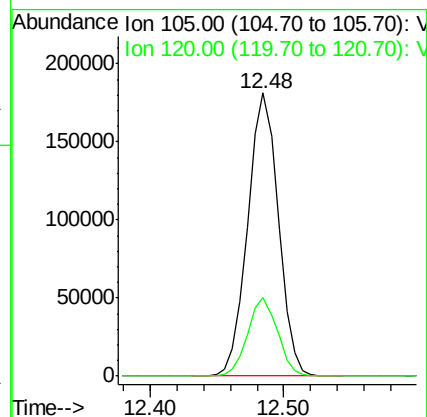
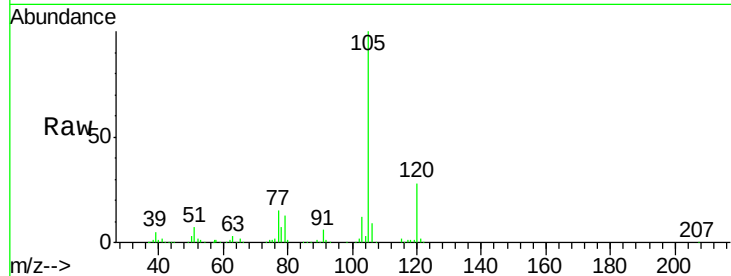
120 27.1 13.2 39.6

Manual Integrations

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11/12/2020 1:11:40 PM



#74

N-ethyl acetate

Concen: 20.294 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD067594.D

Acq: 11 Nov 2020 11:30

Tgt Ion: 43 Resp: 35592

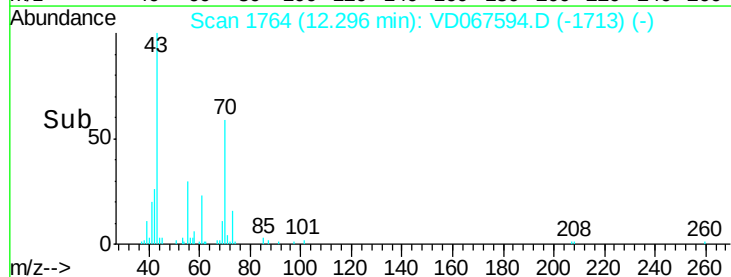
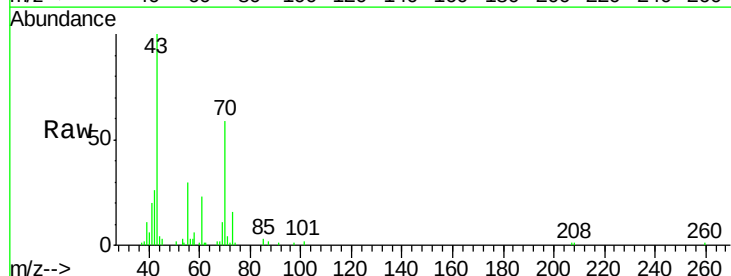
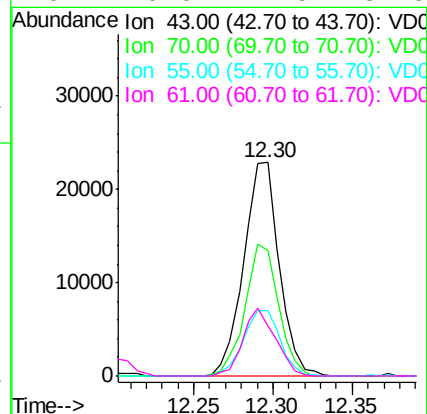
Ion Ratio Lower Upper

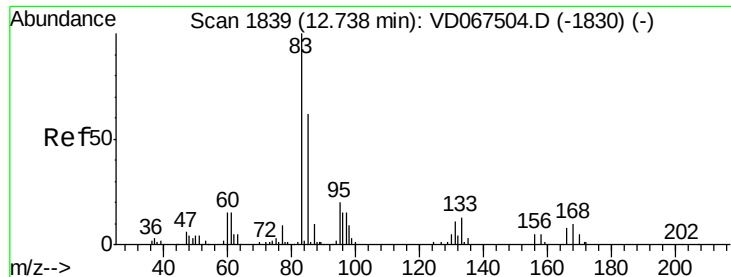
43 100

70 58.4 42.6 64.0

55 32.1 23.7 35.5

61 29.0 21.9 32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.042 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067594.D

Acq: 11 Nov 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

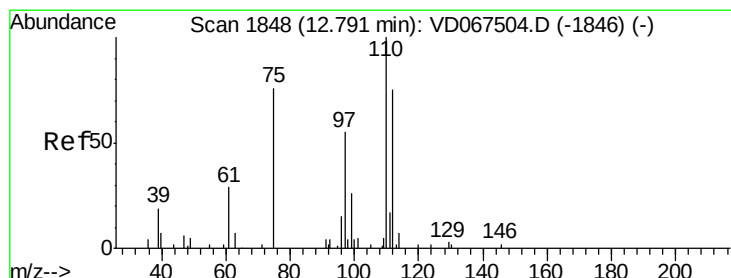
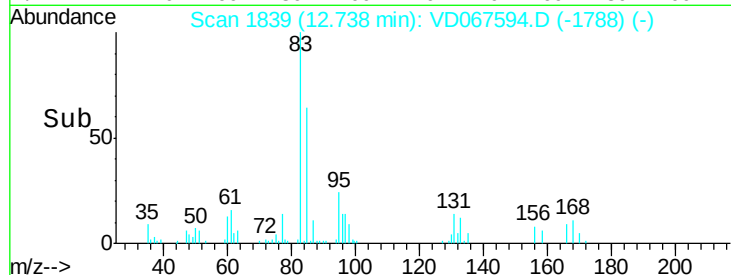
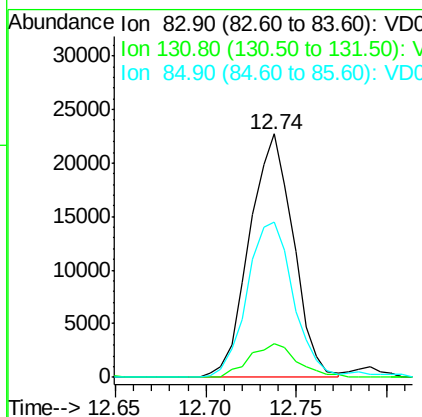
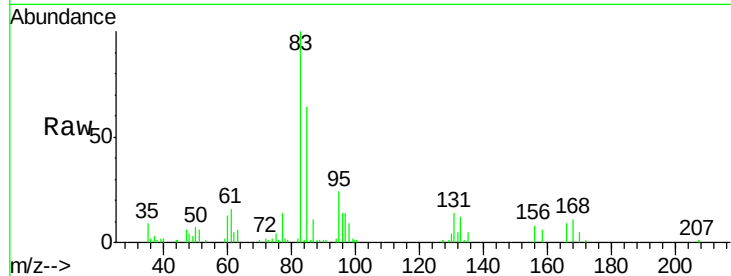
VD1111SBS01

Tot Ion:	83	Resp:	38245
Ion Ratio	Lower	Upper	
83	100		
131	14.9	7.1	21.3
85	68.5	32.9	98.7

Manual Integrations
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MMDadoda

11/12/2020 1:11:40 PM



#76

1,2,3-Trichloropropane

Concen: 20.073 ug/l m

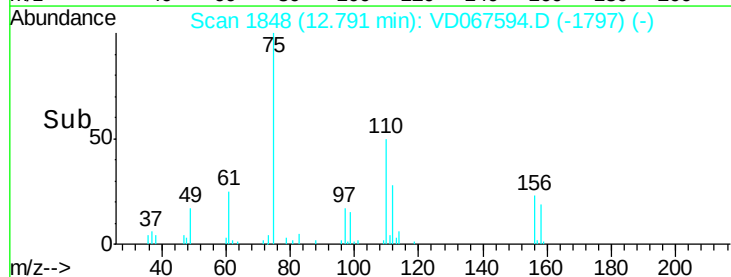
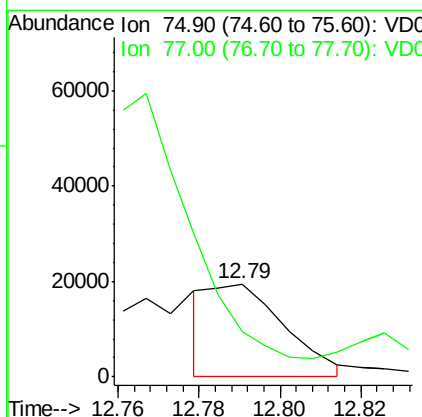
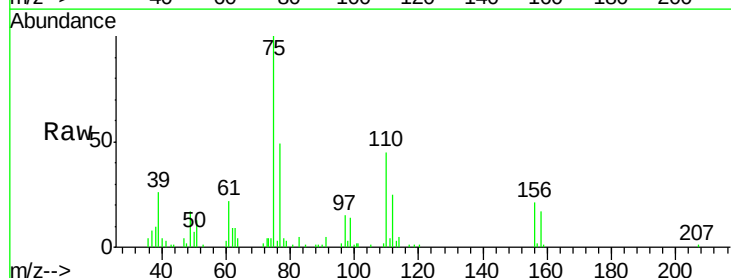
RT: 12.79 min Scan# 1848

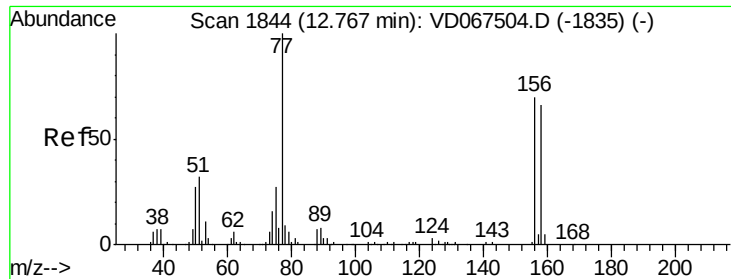
Delta R.T. -0.00 min

Lab File: VD067594.D

Acq: 11 Nov 2020 11:30

Tgt Ion:	75	Resp:	24973
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.121 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067594.D

Acq: 11 Nov 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion:156 Resp: 72410

Ion Ratio Lower Upper

156 100

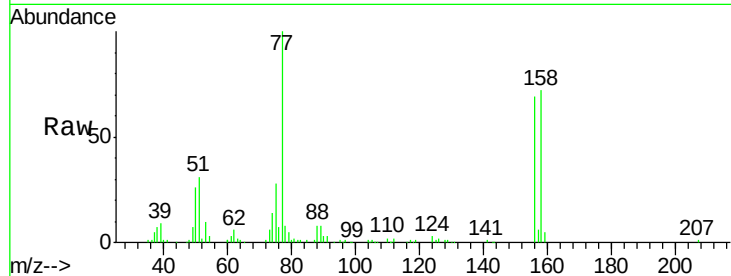
77 147.5 77.8 233.5

158 95.0 47.9 143.7

Manual Integrations
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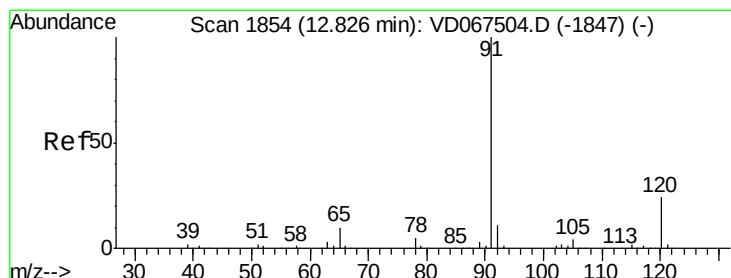
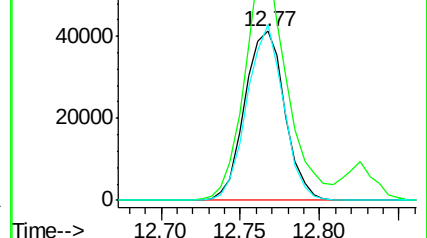
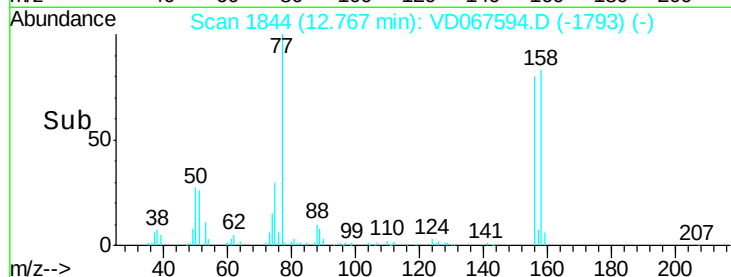
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.153 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067594.D

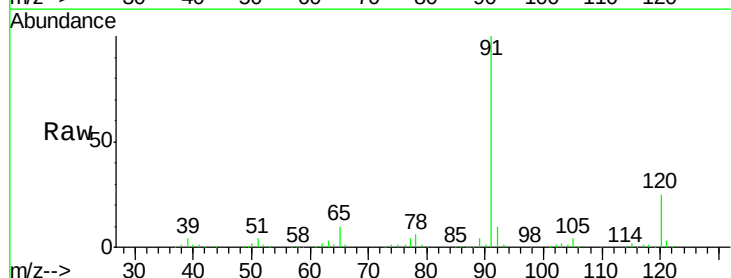
Acq: 11 Nov 2020 11:30

Tgt Ion: 91 Resp: 337736

Ion Ratio Lower Upper

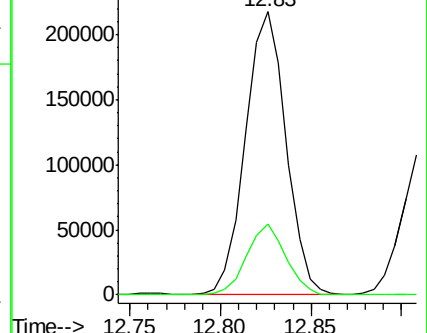
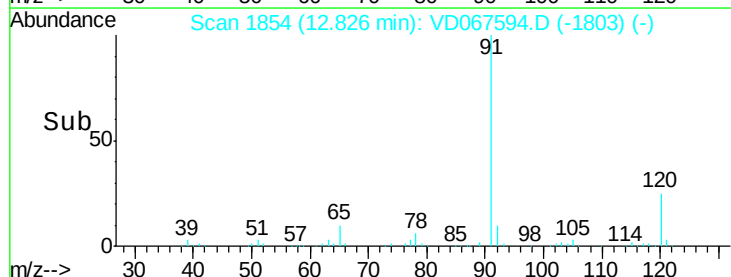
91 100

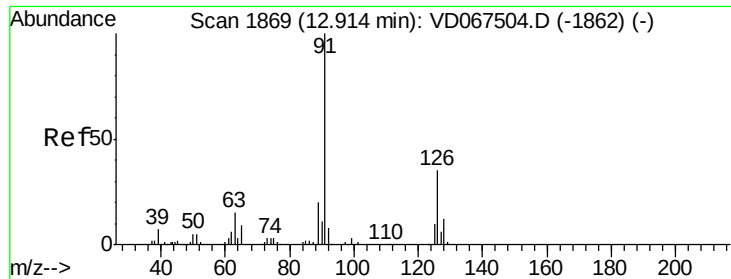
120 24.2 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.959 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD067594.D

Acq: 11 Nov 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion: 91 Resp: 190169

Ion Ratio Lower Upper

91 100

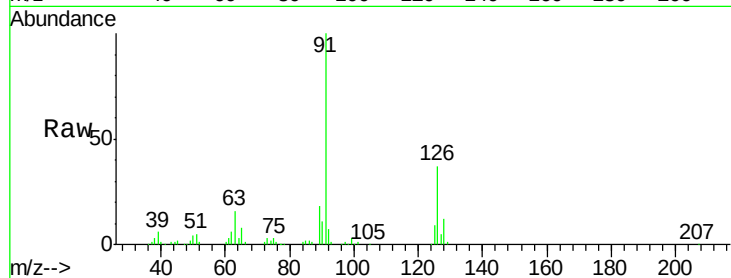
126 36.6 17.8 53.4

Manual Integrations

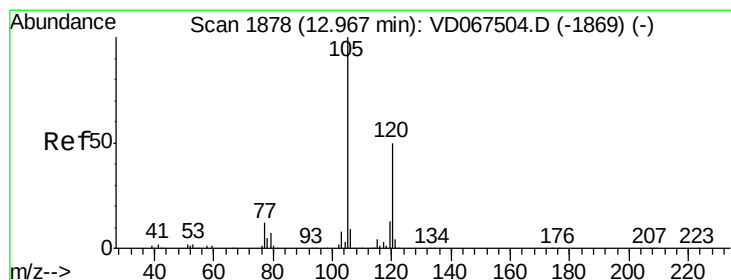
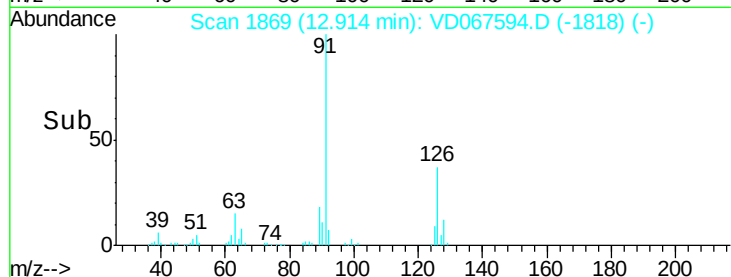
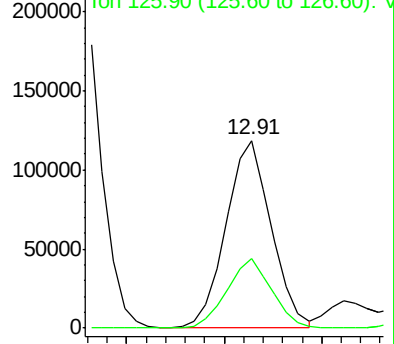
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Abundance Ion 91.00 (90.70 to 91.70): VD067504.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.148 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD067594.D

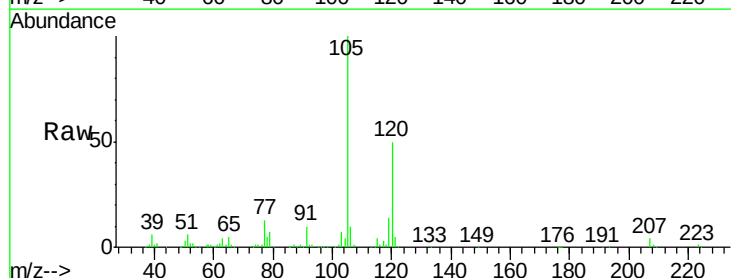
Acq: 11 Nov 2020 11:30

Tgt Ion: 105 Resp: 252180

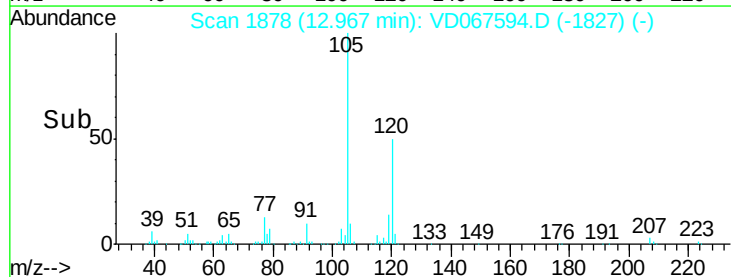
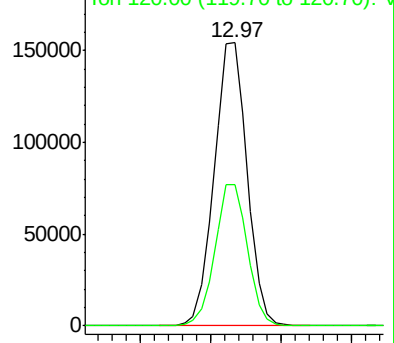
Ion Ratio Lower Upper

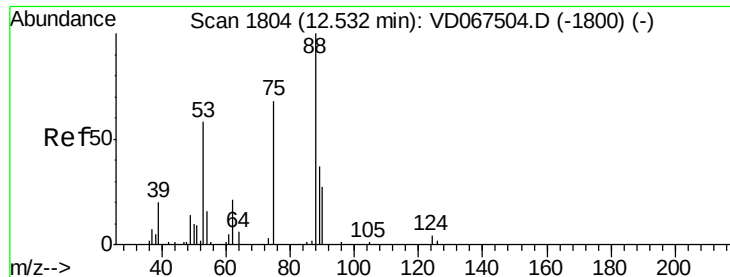
105 100

120 49.4 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067504.D (-1869) (-)





#81
trans-1,4-Dichloro-2-butene
Concen: 21.431 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.01 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

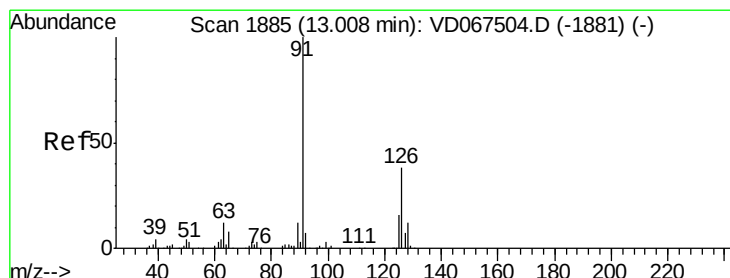
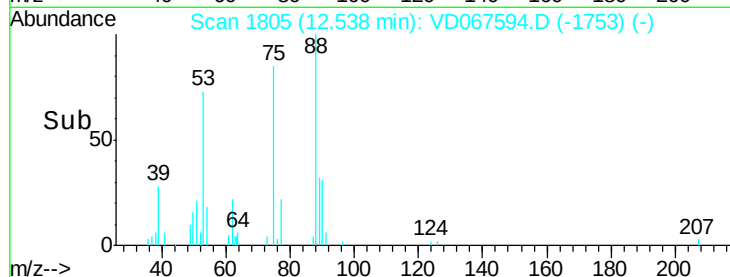
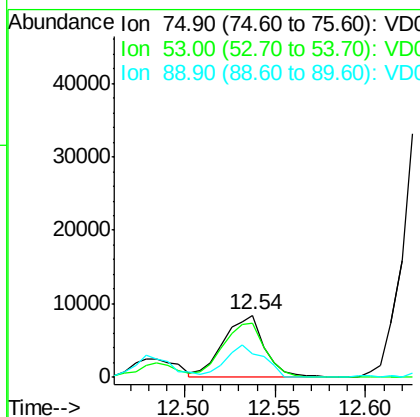
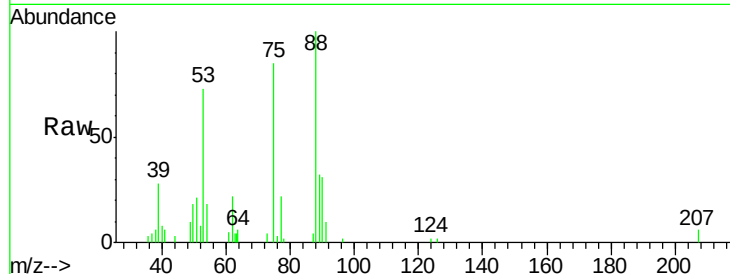
Instrument :
MSVOA_D
ClientSampleId :
VD1111SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.1	75.9	113.9
89	48.0	44.6	67.0

Manual Integrations
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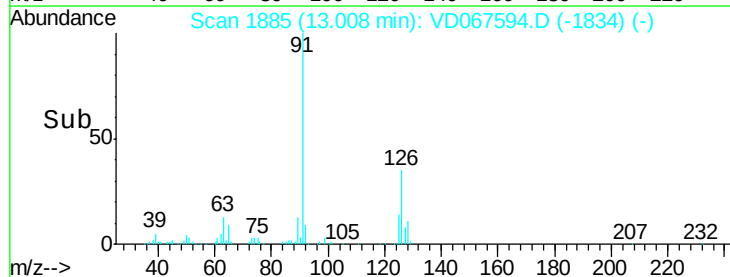
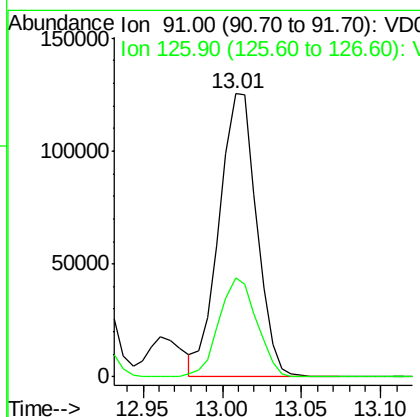
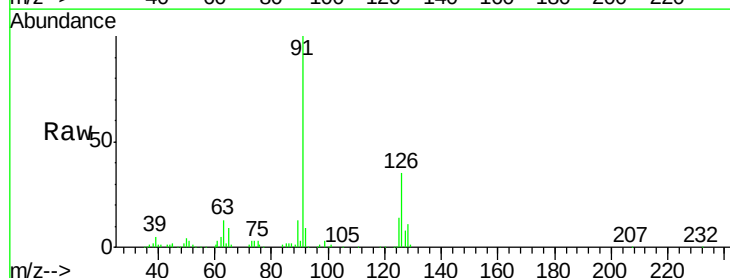
MMDadoda

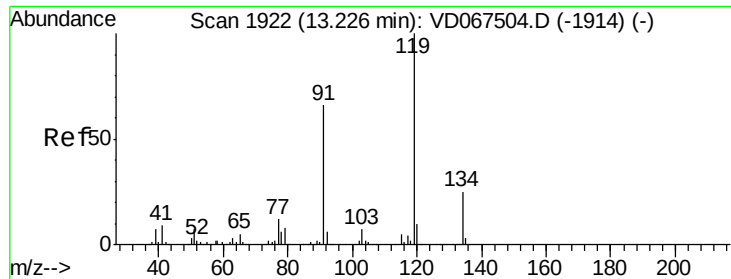
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#82
4-Chlorotoluene
Concen: 22.250 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.9	53.7





#83
 tert-Butylbenzene
 Concen: 22.509 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD067594.D
 Acq: 11 Nov 2020 11:30

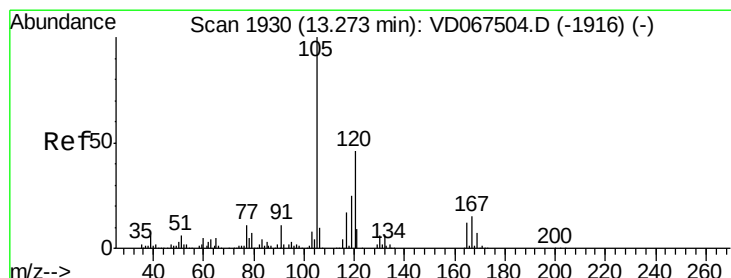
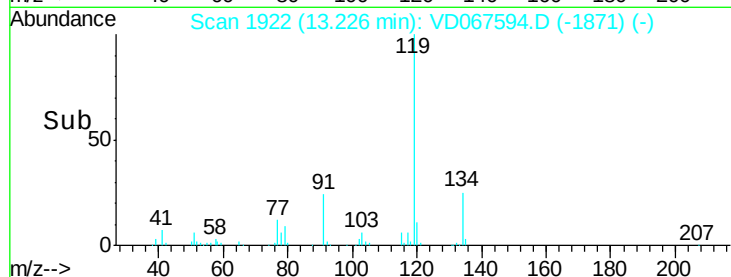
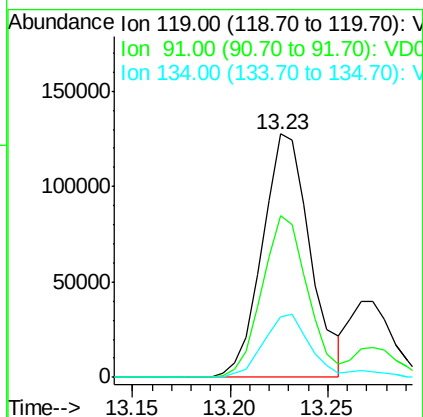
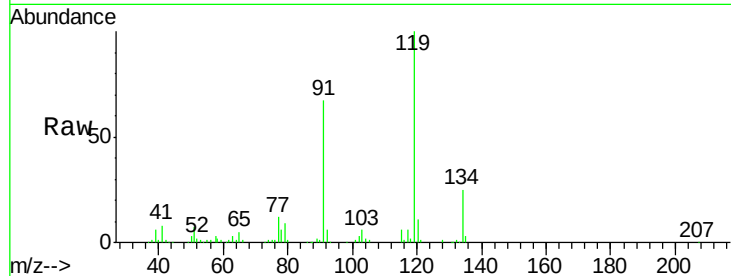
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.0	32.7	98.1
134	25.0	13.4	40.2

Manual Integrations
 APPROVED

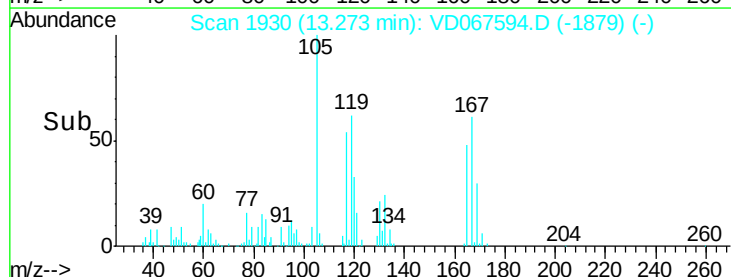
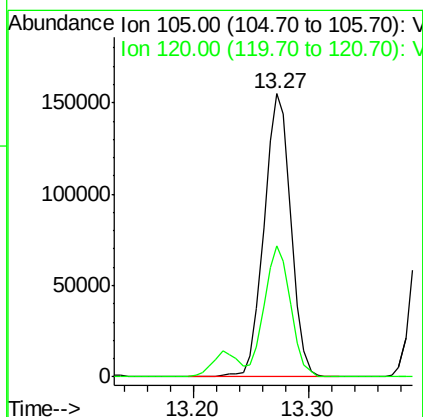
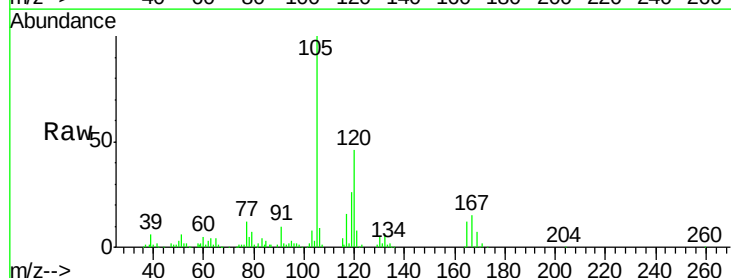
MMDadoda

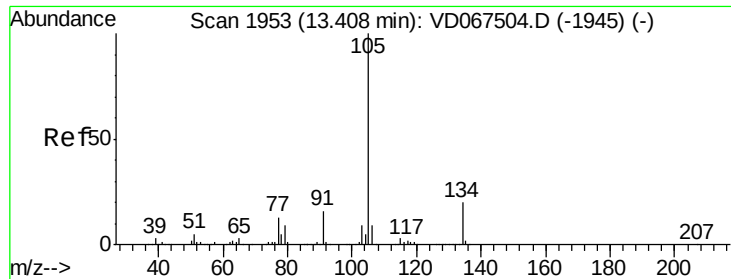
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.119 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD067594.D
 Acq: 11 Nov 2020 11:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.1	66.1





#85

sec-Butylbenzene

Concen: 21.972 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD067594.D

Acq: 11 Nov 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VD1111SBS01

Tot Ion:105 Resp: 286228

Ion Ratio Lower Upper

105 100

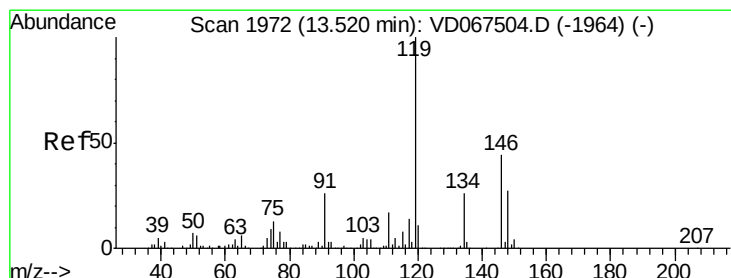
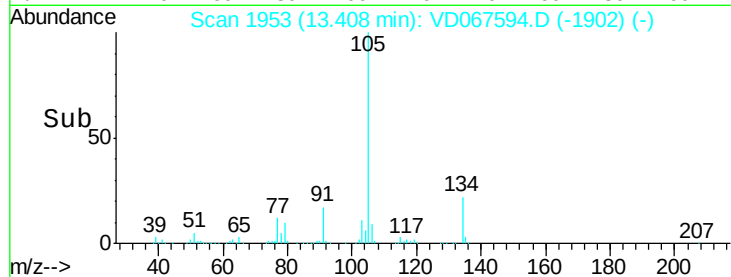
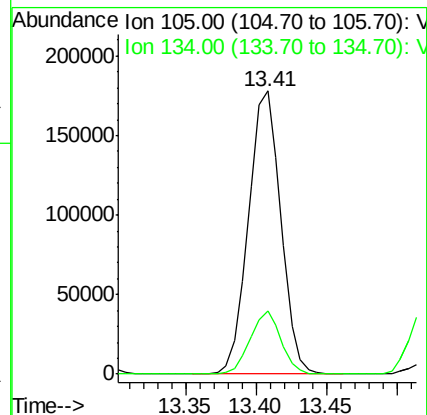
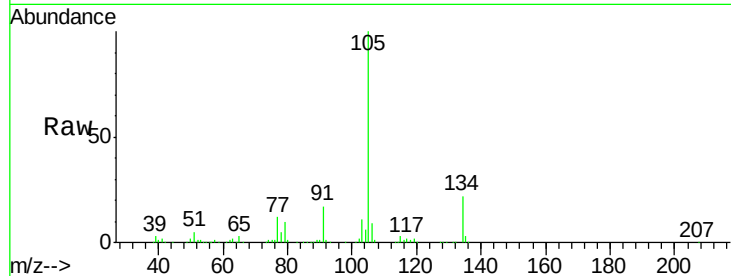
134 21.2 10.4 31.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.857 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067594.D

Acq: 11 Nov 2020 11:30

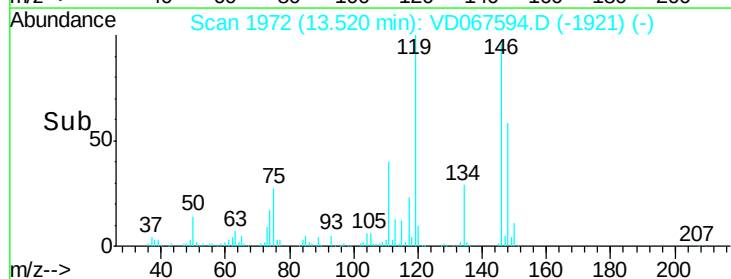
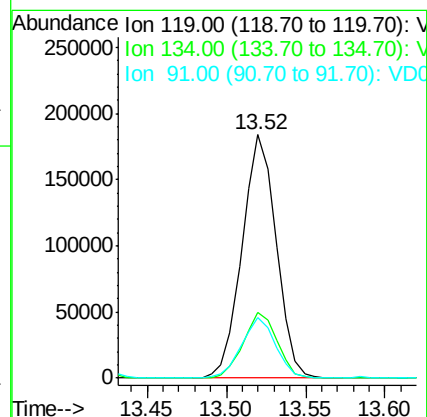
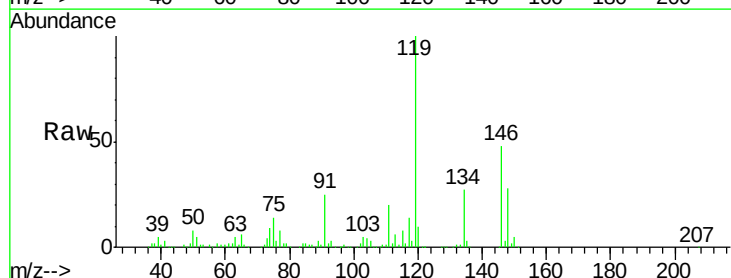
Tgt Ion:119 Resp: 274945

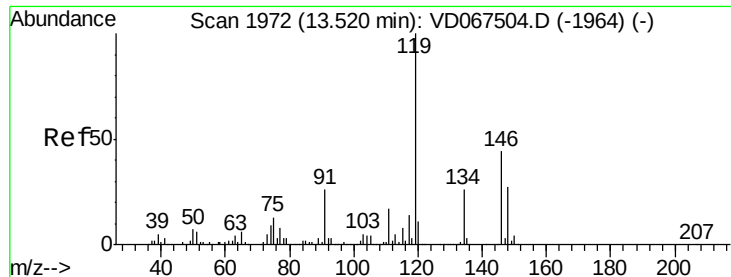
Ion Ratio Lower Upper

119 100

134 26.9 13.1 39.3

91 24.7 12.2 36.4





#87
 1,3-Dichlorobenzene
 Concen: 22.520 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067594.D
 Acq: 11 Nov 2020 11:30

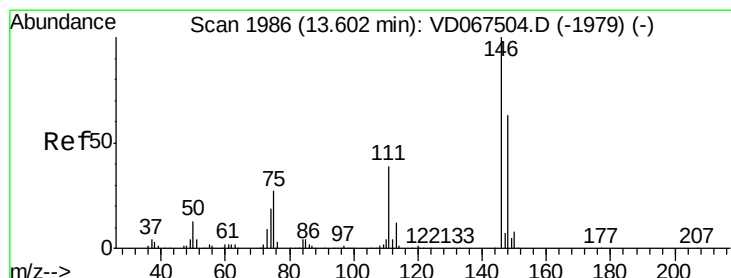
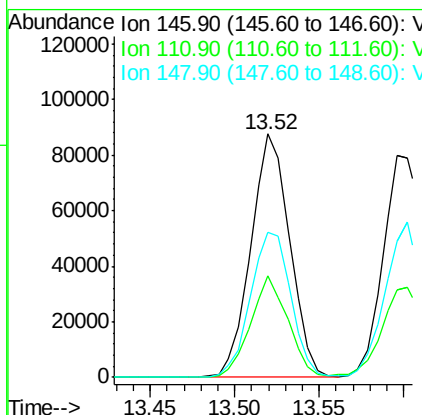
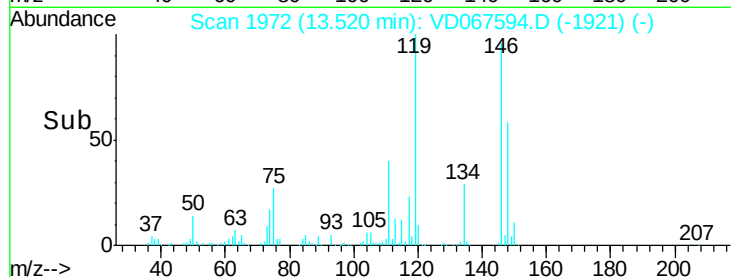
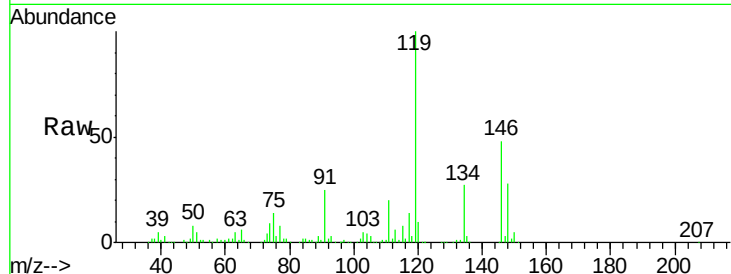
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	140663		
111	40.0	20.3	60.8	
148	61.9	31.9	95.9	

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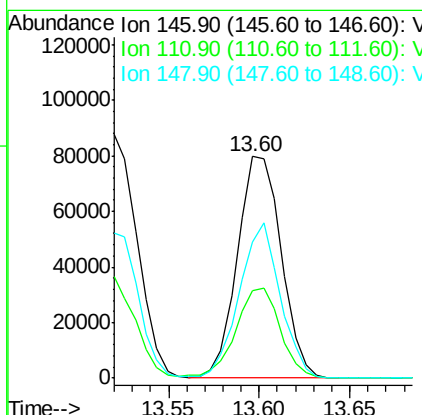
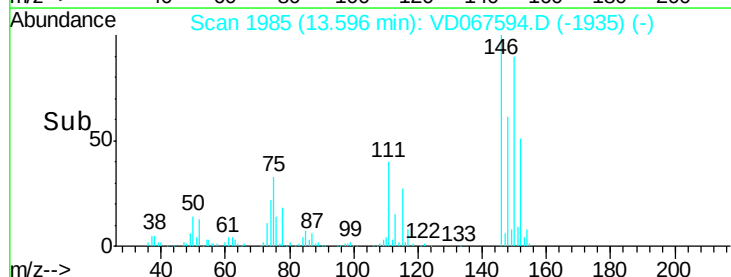
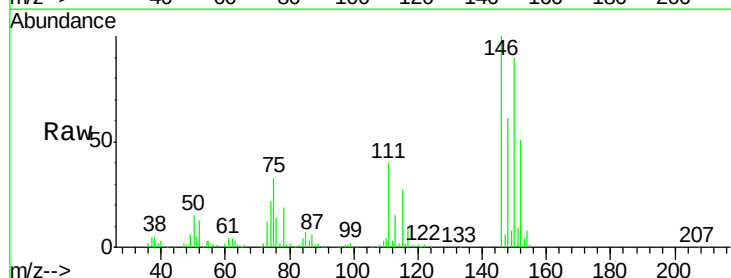
MMDadoda

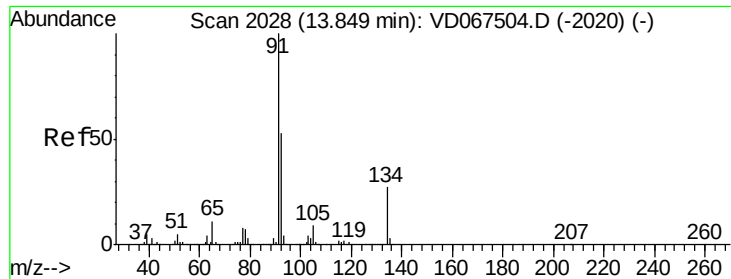
11/12/2020 1:11:40 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.304 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD067594.D
 Acq: 11 Nov 2020 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	134740		
111	41.6	19.6	58.7	
148	65.2	31.8	95.4	





#89
n-Butylbenzene
Concen: 21.537 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

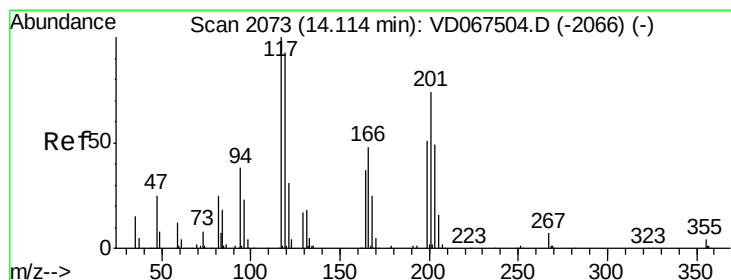
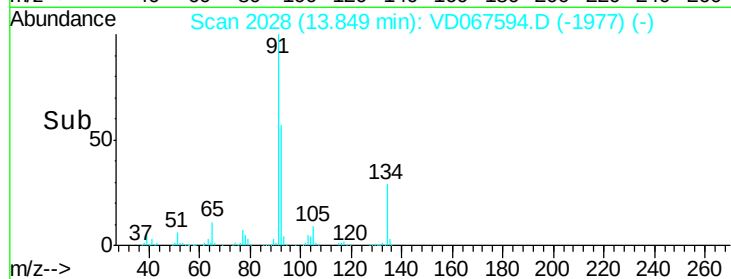
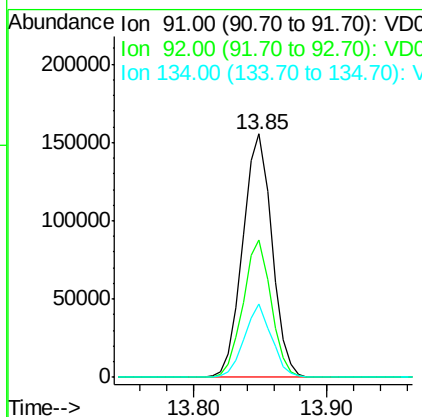
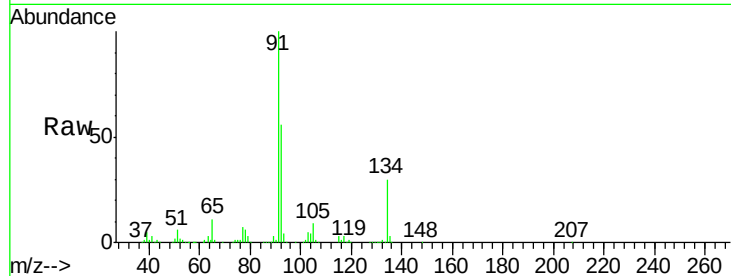
Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	26.6	79.8
134	28.2	14.1	42.2

Manual Integrations
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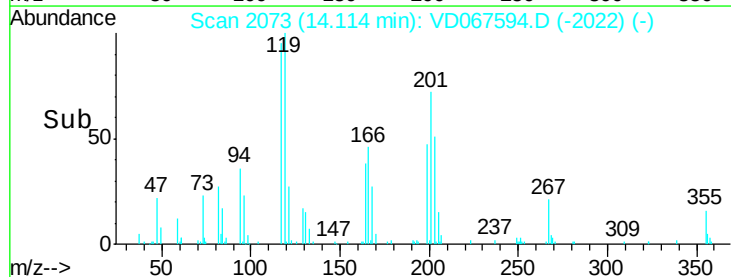
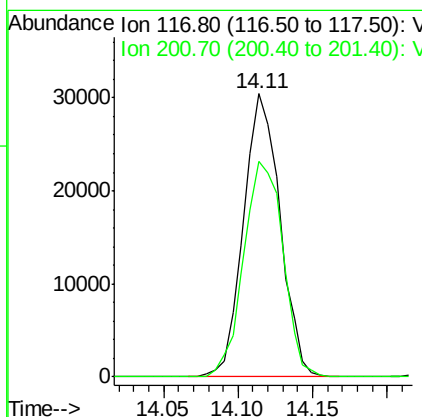
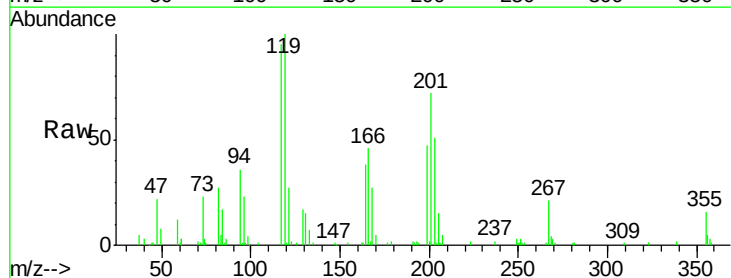
MMDadoda

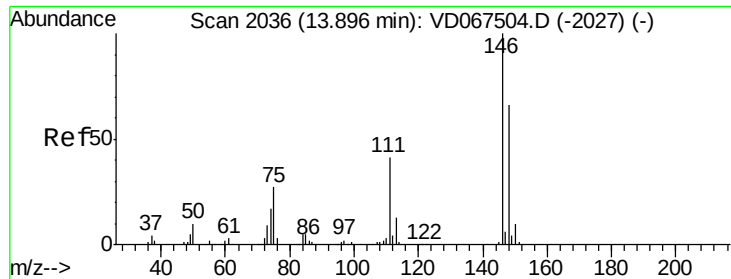
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#90
Hexachloroethane
Concen: 21.766 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.6	40.7	122.1





#91
 1,2-Dichlorobenzene
 Concen: 22.061 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD067594.D
 Acq: 11 Nov 2020 11:30

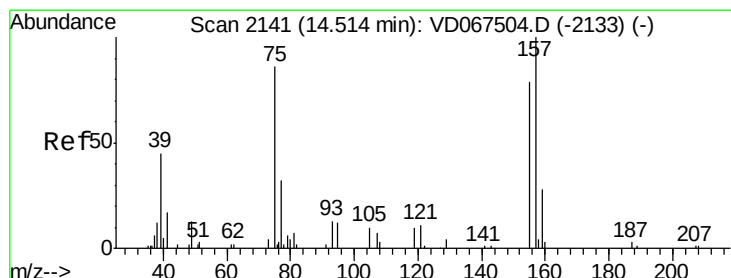
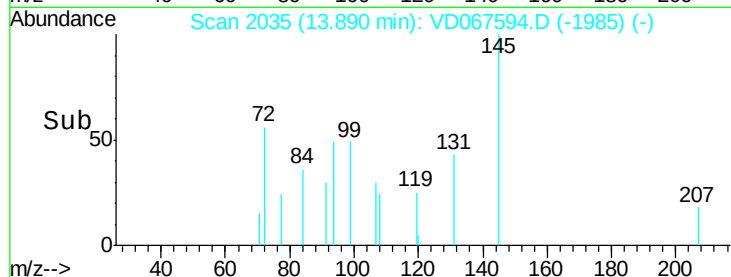
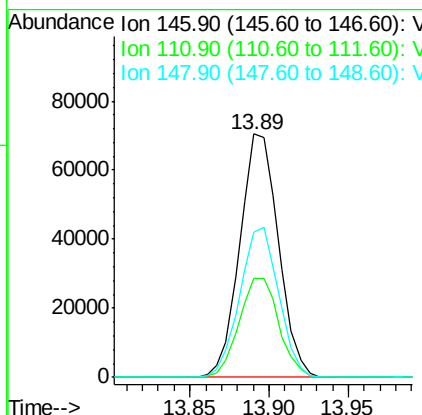
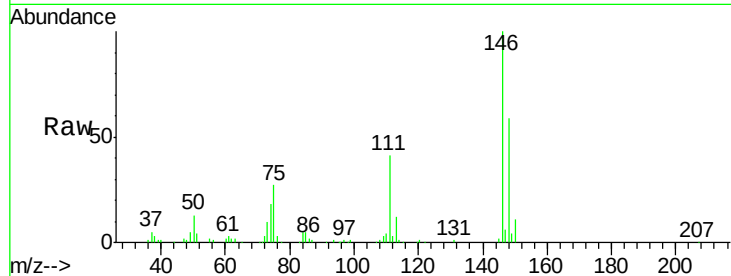
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1111SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.7	62.1
148	62.1	31.5	94.5

Manual Integrations
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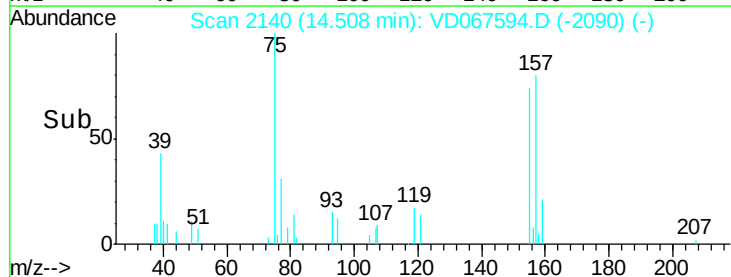
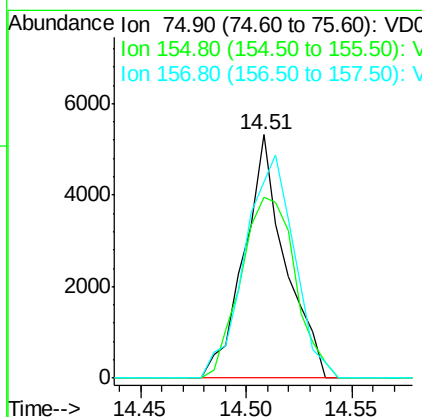
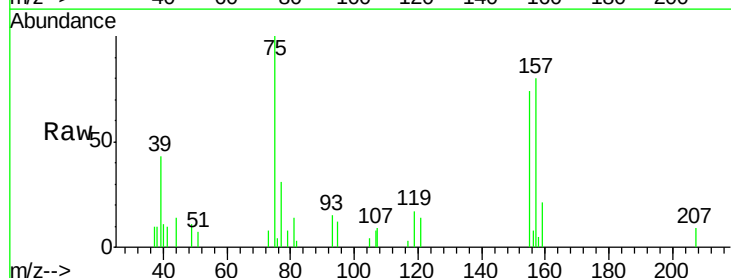
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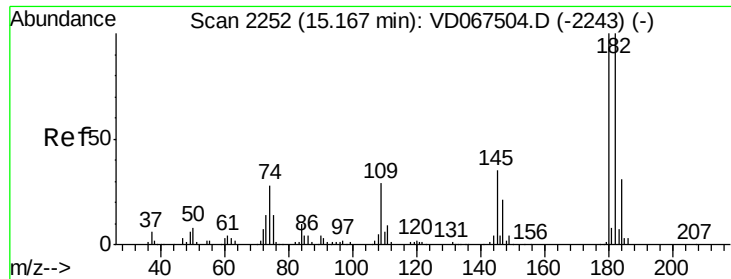
11/12/2020 1:11:40 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.265 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067594.D
 Acq: 11 Nov 2020 11:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.7	46.6	139.8
157	110.2	58.1	174.2





#93
1,2,4-Trichlorobenzene
Concen: 21.433 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. -0.00 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

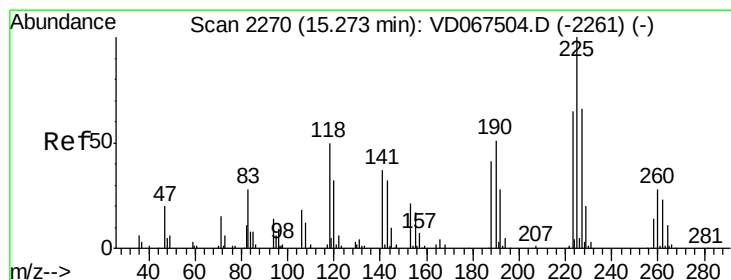
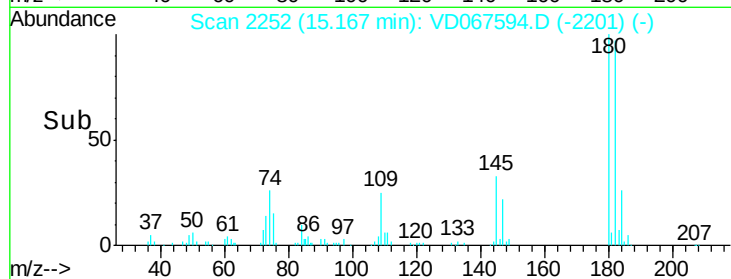
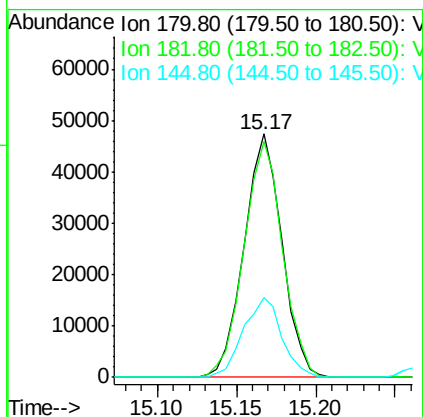
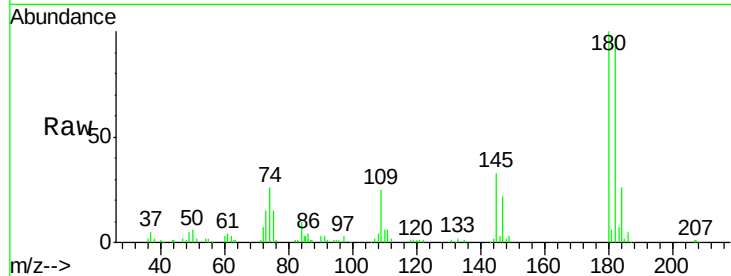
Instrument :
MSVOA_D
ClientSampleId :
VD1111SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.0	47.4	142.3
145	33.3	16.2	48.6

Manual Integrations
APPROVED

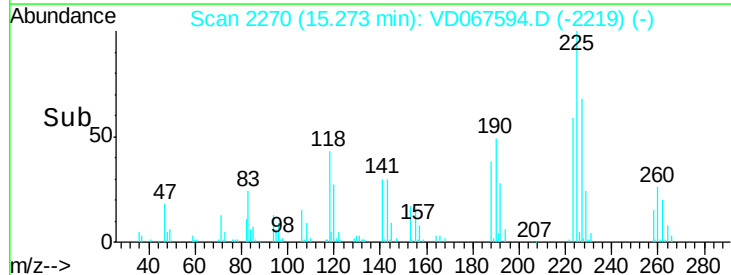
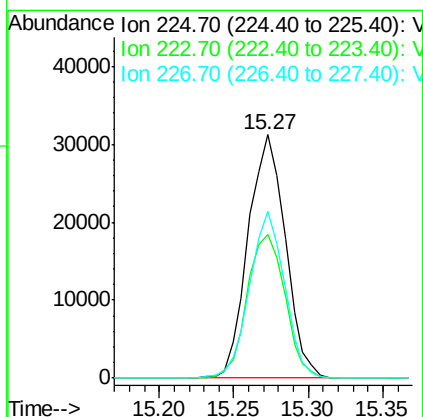
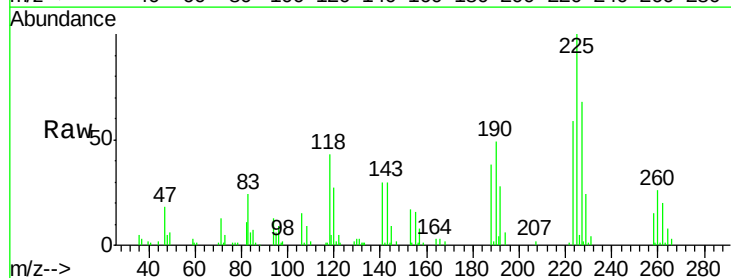
MMDadoda

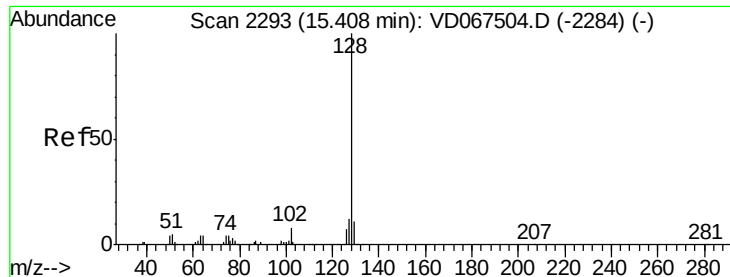
11/12/2020 1:11:40 PM



#94
Hexachlorobutadiene
Concen: 21.934 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.1	31.9	95.5
227	64.5	32.5	97.4





#95
Naphthalene
Concen: 21.174 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

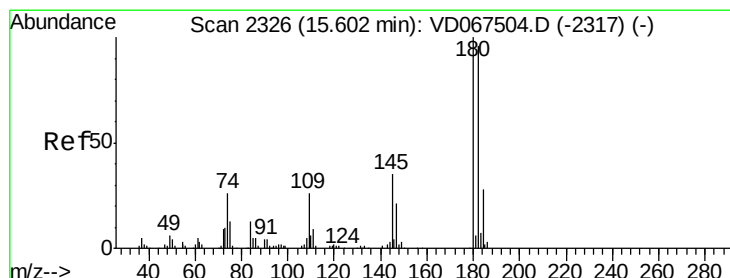
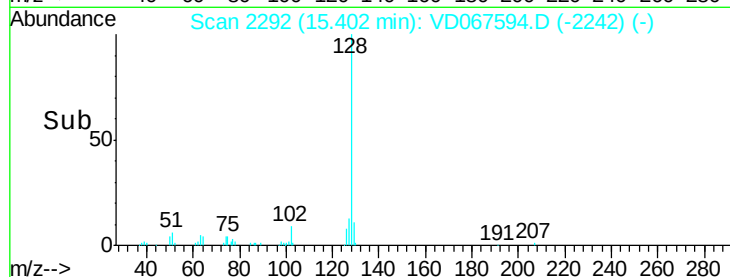
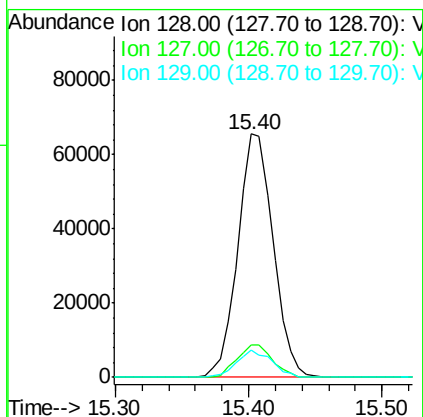
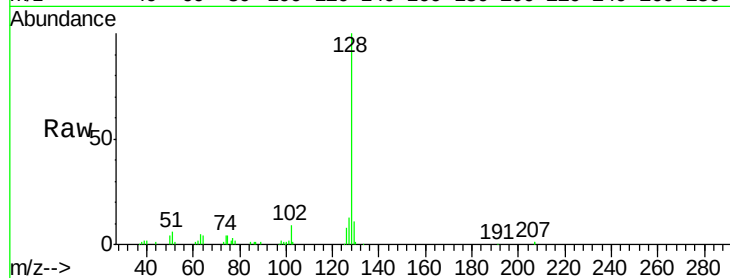
Instrument :
MSVOA_D
ClientSampleId :
VD1111SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	119891		
127	13.4	10.2	15.4	
129	11.1	8.9	13.3	

Manual Integrations
APPROVED

MMDadoda

11/12/2020 1:11:40 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.283 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD067594.D
Acq: 11 Nov 2020 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	66867		
182	99.3	46.9	140.8	
145	35.0	17.1	51.2	

