

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120920\
 Data File : VD067919.D
 Acq On : 09 Dec 2020 11:10
 Operator : VA/SY
 Sample : VD1209SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 10:19:28 AM

Quant Time: Dec 10 03:31:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	191286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	270170	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	249112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	130705	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	100551	48.96	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.92%
35) Dibromofluoromethane	7.92	113	87681	48.50	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.00%
50) Toluene-d8	10.34	98	324717	49.90	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.80%
62) 4-Bromofluorobenzene	12.64	95	117536	52.24	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	104.48%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	32542	19.548	ug/l	96
3) Chloromethane	2.21	50	20092	20.913	ug/l #	87
4) Vinyl Chloride	2.36	62	24838	20.528	ug/l	94
5) Bromomethane	2.77	94	23905	22.131	ug/l #	81
6) Chloroethane	2.93	64	16686	21.181	ug/l	95
7) Trichlorofluoromethane	3.28	101	75647	20.431	ug/l	96
8) Diethyl Ether	3.71	74	14243	19.737	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.10	101	34648	20.522	ug/l	99
10) Methyl Iodide	4.31	142	31952	17.855	ug/l	97
11) Tert butyl alcohol	5.20	59	13659m	93.426	ug/l	
12) 1,1-Dichloroethene	4.07	96	30921	19.507	ug/l	84
13) Acrolein	3.93	56	5723	72.522	ug/l	98
14) Allyl chloride	4.72	41	28186	19.222	ug/l	92
15) Acrylonitrile	5.43	53	24074	96.209	ug/l #	84
16) Acetone	4.16	43	23470	92.491	ug/l	98
17) Carbon Disulfide	4.41	76	83235	18.808	ug/l	98
18) Methyl Acetate	4.71	43	8508	17.391	ug/l	89
19) Methyl tert-butyl Ether	5.48	73	72122	21.249	ug/l	100
20) Methylene Chloride	4.97	84	41411	22.973	ug/l #	80
21) trans-1,2-Dichloroethene	5.46	96	37042	20.537	ug/l	82
22) Diisopropyl ether	6.36	45	61376	20.811	ug/l	92
23) Vinyl Acetate	6.31	43	161668	98.535	ug/l	96
24) 1,1-Dichloroethane	6.26	63	52830	20.435	ug/l	98
25) 2-Butanone	7.21	43	23196	86.909	ug/l	93
26) 2,2-Dichloropropane	7.21	77	65618	21.284	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	41287	20.928	ug/l	97
28) Bromochloromethane	7.54	49	14894	18.145	ug/l #	95
29) Tetrahydrofuran	7.57	42	14147	93.091	ug/l	97
30) Chloroform	7.71	83	73878	21.383	ug/l	99
31) Cyclohexane	7.98	56	41574	19.216	ug/l #	95
32) 1,1,1-Trichloroethane	7.91	97	79425	21.777	ug/l	99
36) 1,1-Dichloropropene	8.11	75	50612	21.640	ug/l	98
37) Ethyl Acetate	7.29	43	10211	16.199	ug/l #	80
38) Carbon Tetrachloride	8.10	117	77086	21.783	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	57769	20.843	ug/l	92
40) Benzene	8.36	78	136970	21.402	ug/l	98
41) Methacrylonitrile	7.53	41	6458m	18.779	ug/l	
42) 1,2-Dichloroethane	8.43	62	50103	21.966	ug/l	99
43) Isopropyl Acetate	8.46	43	22716	18.315	ug/l	93
44) Trichloroethene	9.11	130	48004	21.817	ug/l	91
45) 1,2-Dichloropropane	9.39	63	25901	19.719	ug/l	97
46) Dibromomethane	9.48	93	19826	21.709	ug/l	95
47) Bromodichloromethane	9.67	83	57867	22.226	ug/l	97
48) Methyl methacrylate	9.46	41	11562	18.358	ug/l	92
49) 1,4-Dioxane	9.46	88	4083	391.269	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	55993	95.386	ug/l	98
52) Toluene	10.40	92	94740	21.174	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	46703	20.783	ug/l	95
54) cis-1,3-Dichloropropene	10.10	75	52155	21.337	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	25156	20.128	ug/l	88
56) Ethyl methacrylate	10.67	69	23774	18.696	ug/l	98
57) 1,3-Dichloropropane	10.95	76	39694	20.050	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	49345	85.280	ug/l	98
59) 2-Hexanone	10.99	43	37259	90.038	ug/l	98
60) Dibromochloromethane	11.14	129	40117	21.294	ug/l	100
61) 1,2-Dibromoethane	11.25	107	23534	19.148	ug/l	93
64) Tetrachloroethene	10.88	164	42855	21.090	ug/l	91
65) Chlorobenzene	11.67	112	110562	21.510	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.75	131	45477	21.692	ug/l	96
67) Ethyl Benzene	11.75	91	186524	21.302	ug/l	98
68) m/p-Xylenes	11.86	106	154128	44.640	ug/l	96
69) o-Xylene	12.18	106	68629	22.390	ug/l	98
70) Styrene	12.20	104	115431	21.657	ug/l	97
71) Bromoform	12.36	173	23382	21.070	ug/l #	98
73) Isopropylbenzene	12.48	105	197425	21.964	ug/l	98
74) N-amyl acetate	12.29	43	21297	19.155	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	22858	19.262	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	18231m	19.154	ug/l	
77) Bromobenzene	12.77	156	48114	21.531	ug/l	97
78) n-propylbenzene	12.83	91	216336	21.715	ug/l	100
79) 2-Chlorotoluene	12.91	91	125684	21.445	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	175334	22.530	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	7751	19.479	ug/l	96
82) 4-Chlorotoluene	13.01	91	135383	21.655	ug/l	99
83) tert-Butylbenzene	13.23	119	149392	22.558	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	172274	22.261	ug/l	98
85) sec-Butylbenzene	13.41	105	187915	21.260	ug/l	98
86) p-Isopropyltoluene	13.52	119	189887	21.920	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	91869	21.312	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	89694	20.799	ug/l	98
89) n-Butylbenzene	13.84	91	153623	21.345	ug/l	99
90) Hexachloroethane	14.11	117	32743	20.473	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	79874	21.365	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5071	20.475	ug/l	88

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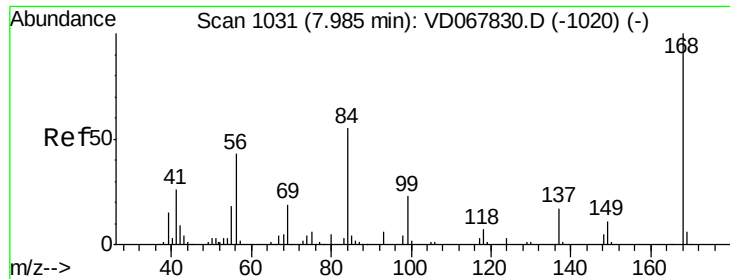
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	57026	21.806	ug/l	100
94) Hexachlorobutadiene	15.27	225	37140	21.765	ug/l	98
95) Naphthalene	15.41	128	87168	20.484	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	49387	21.868	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

Tot Ion:168 Resp: 191286

Ion Ratio Lower Upper

168 100

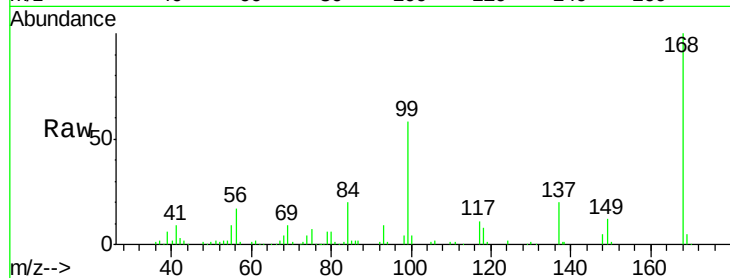
99 57.9 47.1 70.7

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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

80000

60000

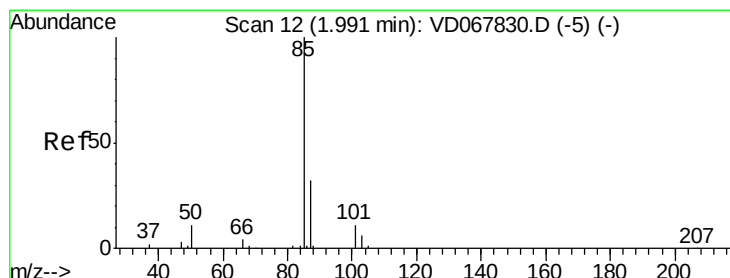
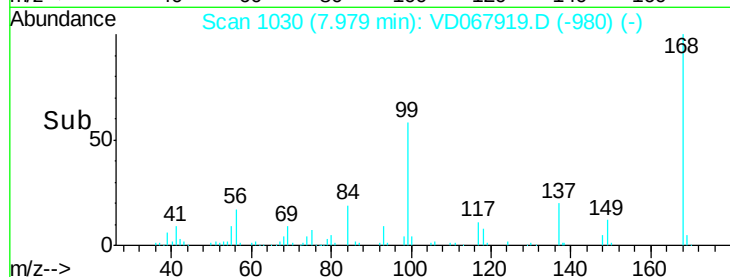
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.548 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067919.D

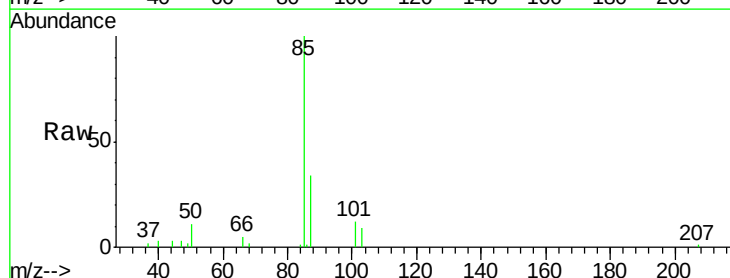
Acq: 09 Dec 2020 11:10

Tgt Ion: 85 Resp: 32542

Ion Ratio Lower Upper

85 100

87 33.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

25000

20000

15000

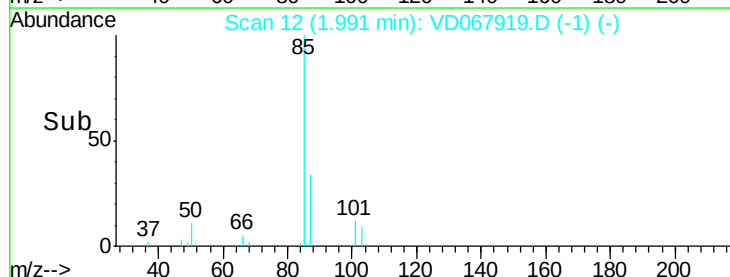
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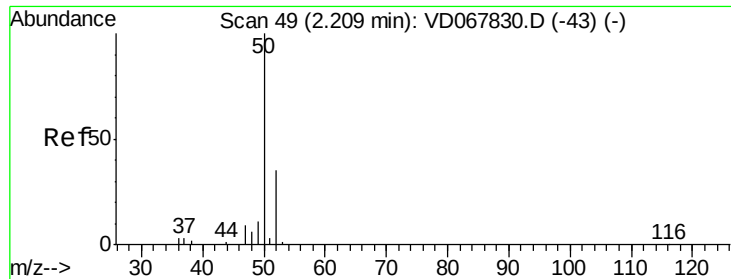
5000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 20.913 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

Tot Ion: 50 Resp: 20092

Ion Ratio Lower Upper

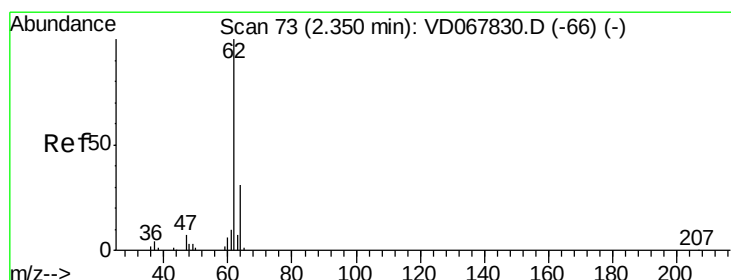
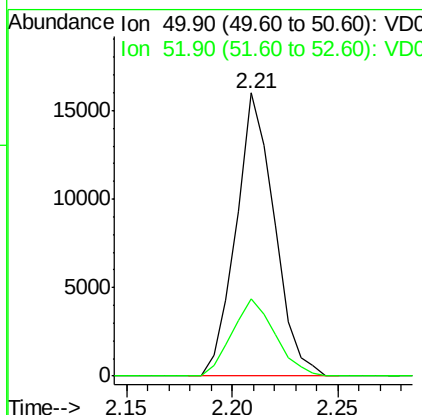
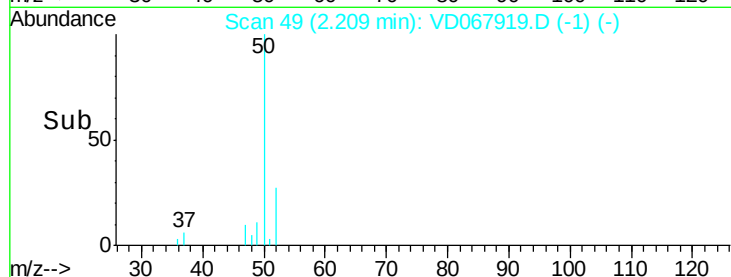
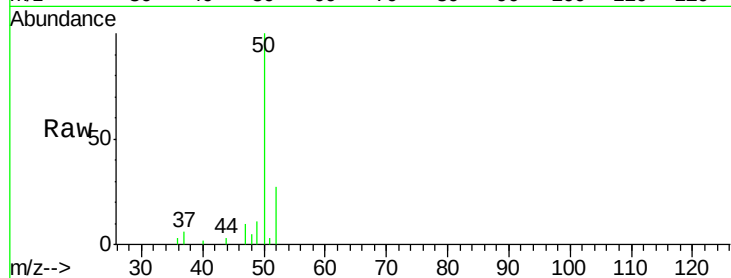
50 100

52 27.4 27.8 41.6#

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12/10/2020 10:19:28 AM



#4

Vinyl Chloride

Concen: 20.528 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD067919.D

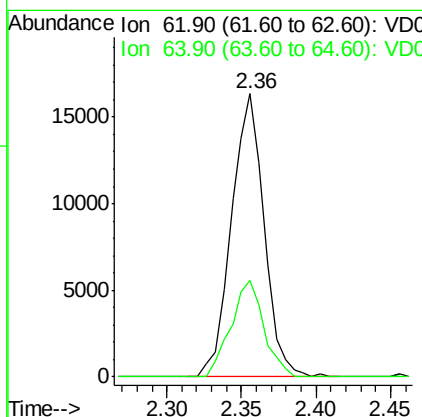
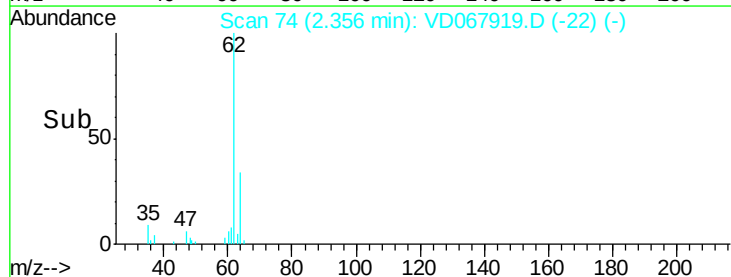
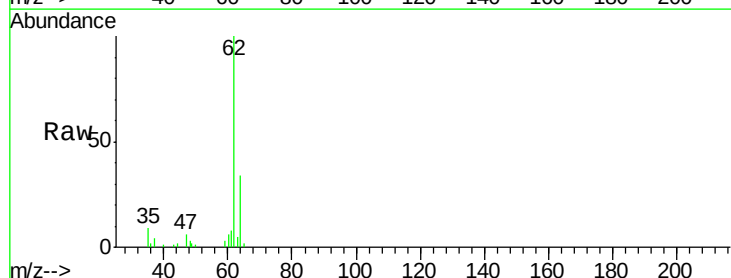
Acq: 09 Dec 2020 11:10

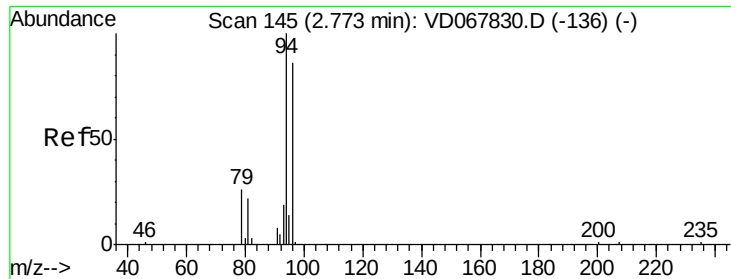
Tgt Ion: 62 Resp: 24838

Ion Ratio Lower Upper

62 100

64 34.0 24.5 36.7





#5

Bromomethane

Concen: 22.131 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

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ClientSampleId :

VD1209SBS01

Tot Ion: 94 Resp: 23905

Ion Ratio Lower Upper

94 100

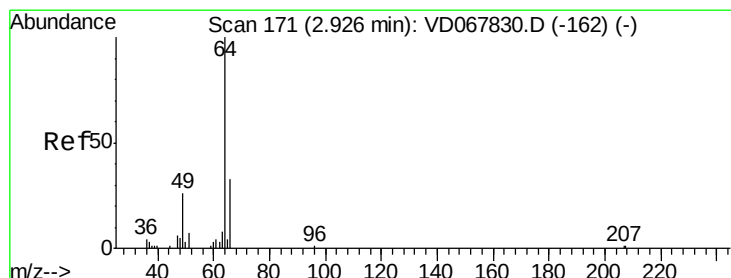
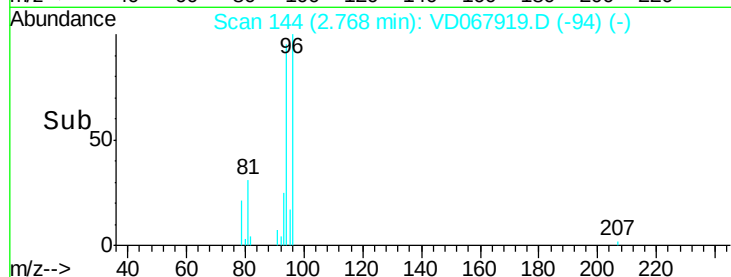
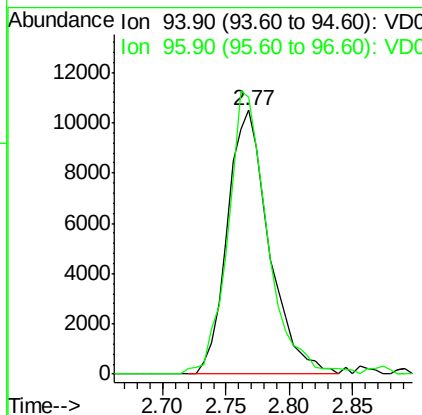
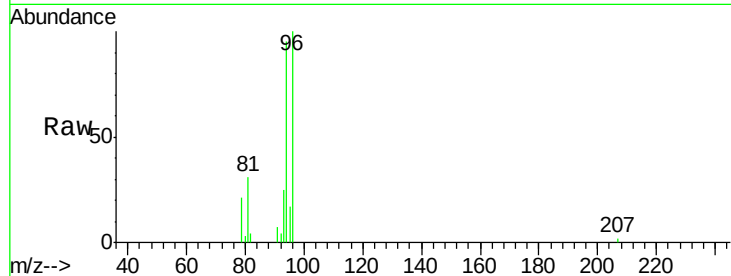
96 103.1 68.7 103.1#

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12/10/2020 10:19:28 AM



#6

Chloroethane

Concen: 21.181 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD067919.D

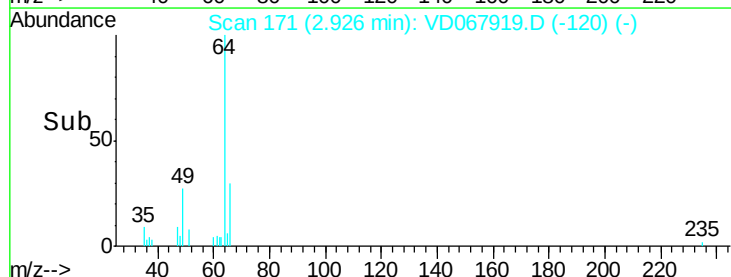
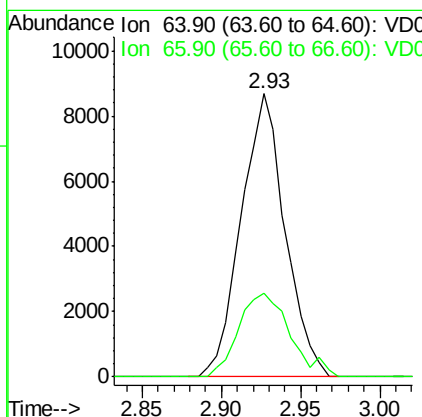
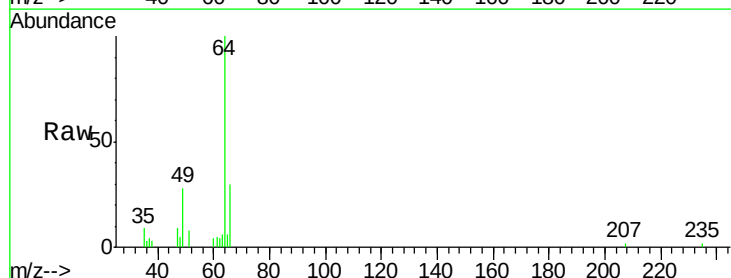
Acq: 09 Dec 2020 11:10

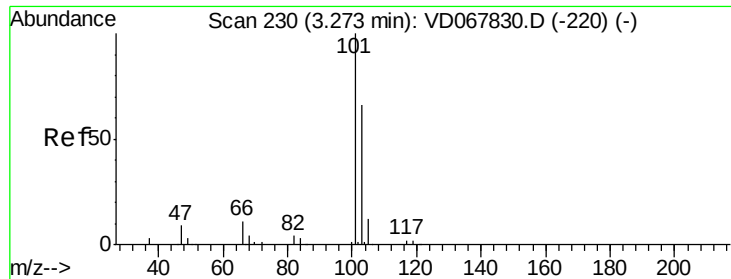
Tgt Ion: 64 Resp: 16686

Ion Ratio Lower Upper

64 100

66 29.7 26.1 39.1





#7

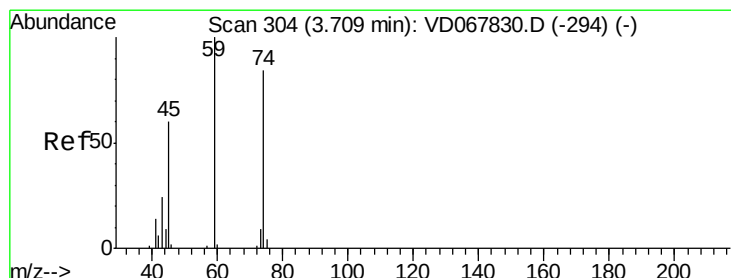
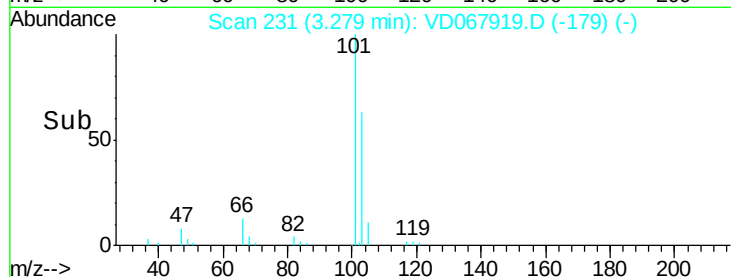
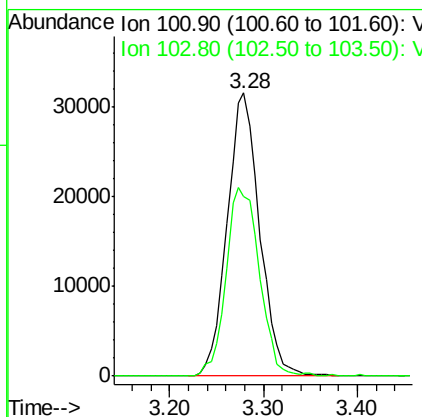
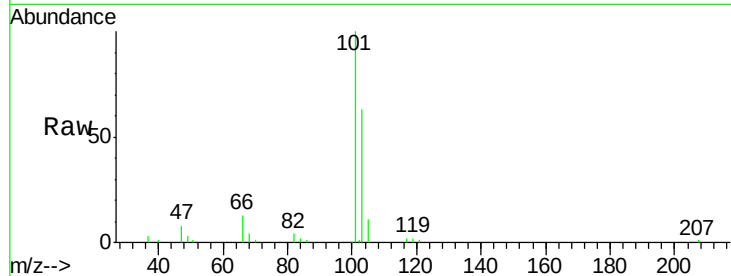
Trichlorofluoromethane
Concen: 20.431 ug/l
RT: 3.28 min Scan# 231
Delta R.T. 0.01 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Instrument :
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ClientSampleId :
VD1209SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	53.0	79.6

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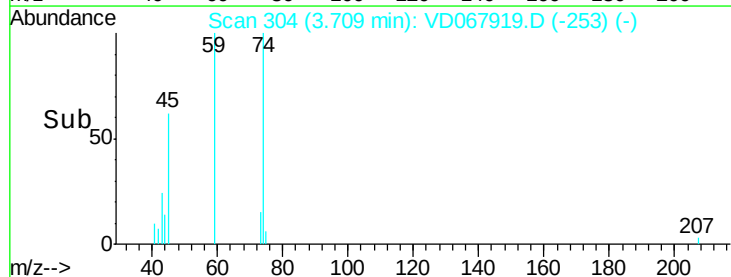
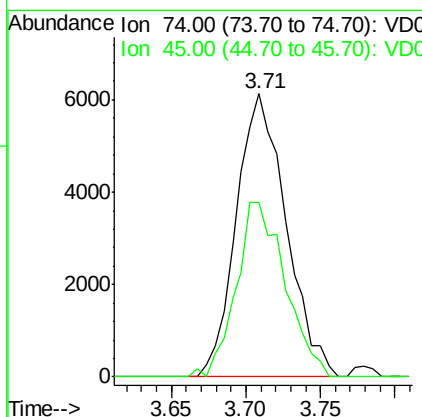
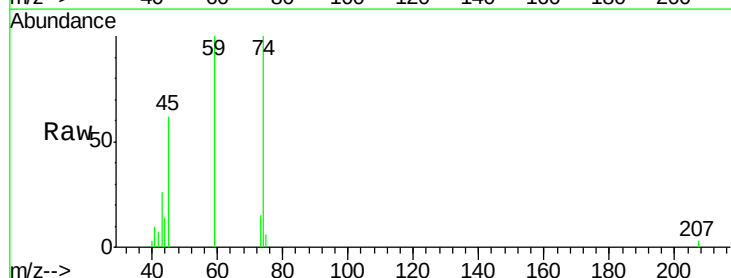
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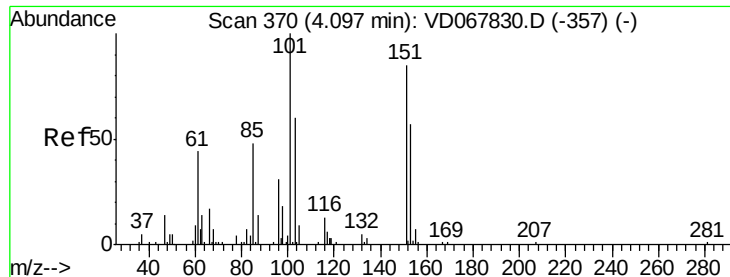


#8

Diethyl Ether
Concen: 19.737 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	60.4	33.9	101.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.522 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

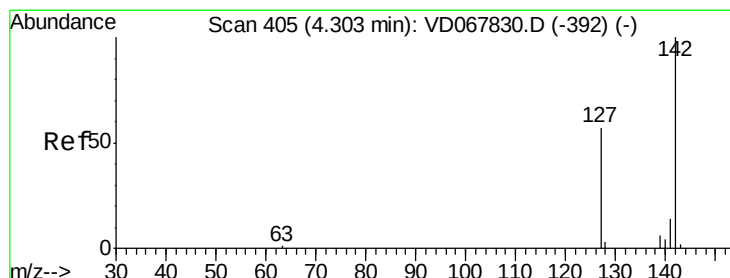
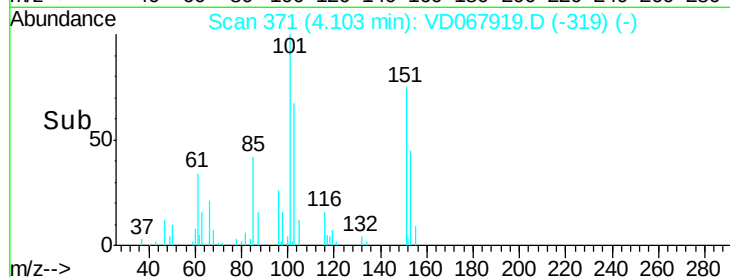
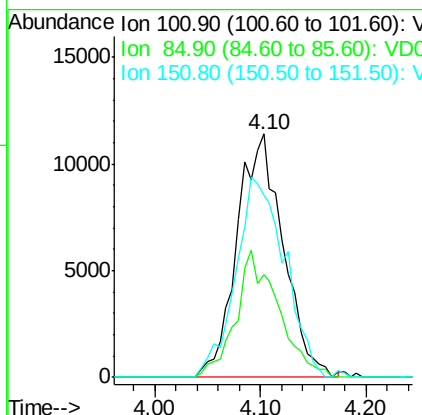
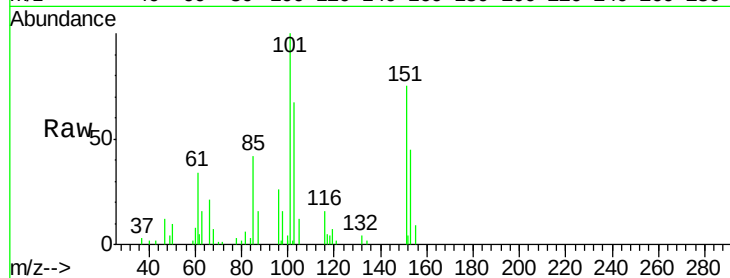
ClientSampleId :

VD1209SBS01

Tot Ion:	101	Resp:	34648
Ion Ratio	Lower	Upper	
101	100		
85	47.9	36.2	54.4
151	87.0	69.4	104.2

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12/10/2020 10:19:28 AM



#10

Methyl Iodide

Concen: 17.855 ug/l

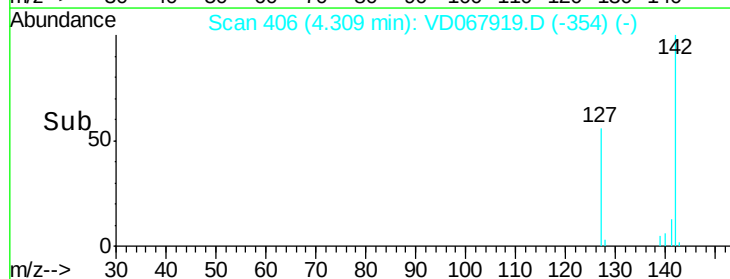
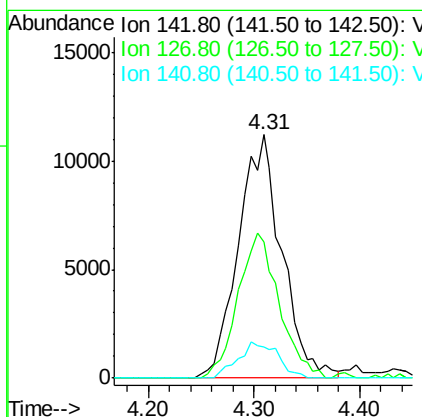
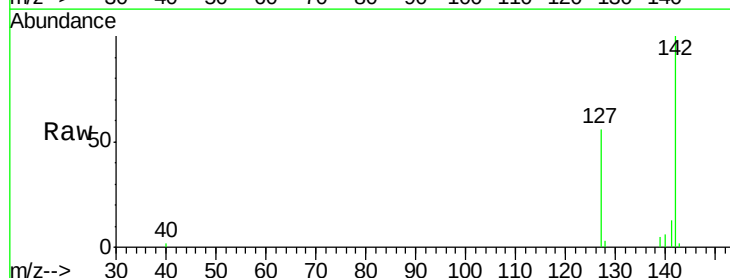
RT: 4.31 min Scan# 406

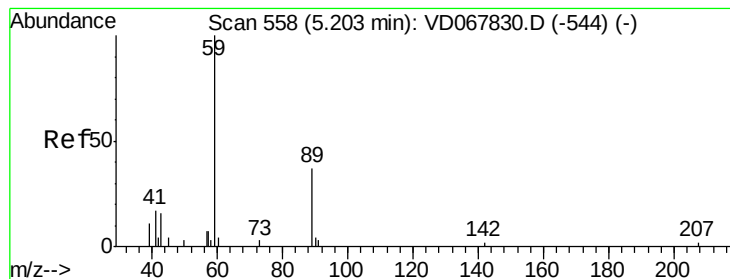
Delta R.T. 0.01 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Tgt Ion:	142	Resp:	31952
Ion Ratio	Lower	Upper	
142	100		
127	56.5	43.9	65.9
141	13.5	12.2	18.2





#11

Tert butyl alcohol

Concen: 93.426 ug/l m

RT: 5.20 min Scan# 557

Delta R.T. -0.01 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

Tot Ion: 59 Resp: 13659

Ion Ratio Lower Upper

59 100

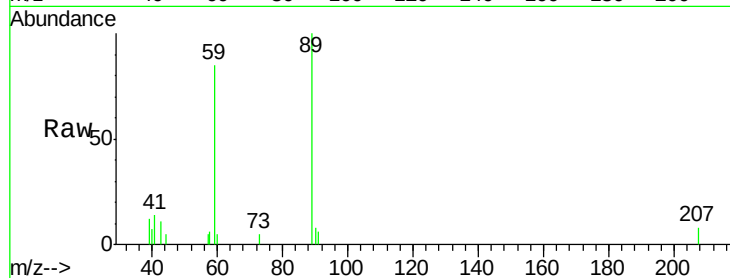
57 3.0 7.7 11.5#

Manual Integrations

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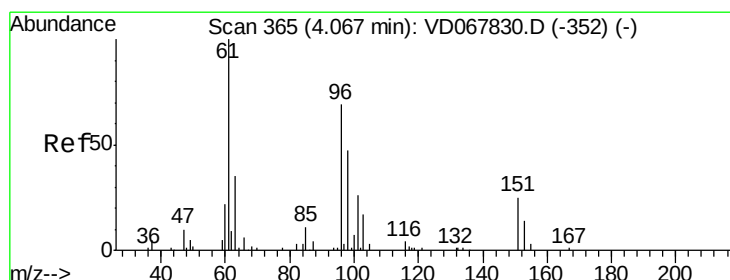
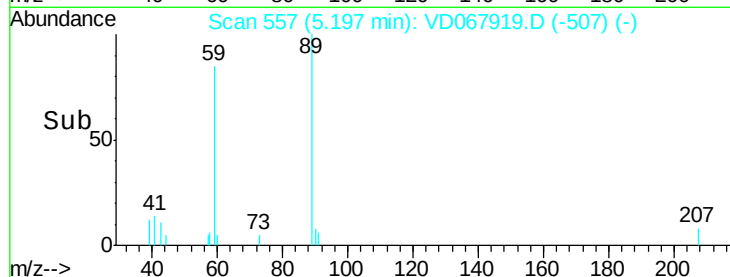
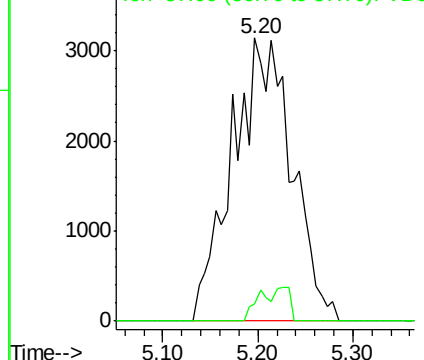
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Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 19.507 ug/l

RT: 4.07 min Scan# 365

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

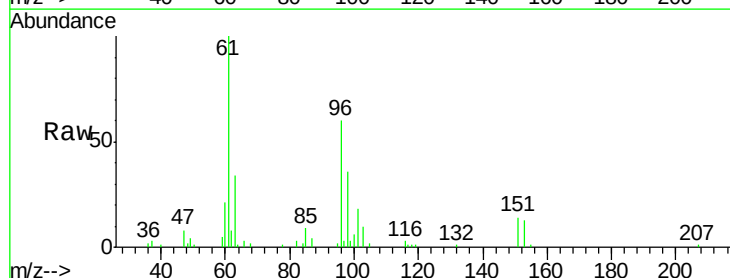
Tgt Ion: 96 Resp: 30921

Ion Ratio Lower Upper

96 100

61 167.0 116.1 174.1

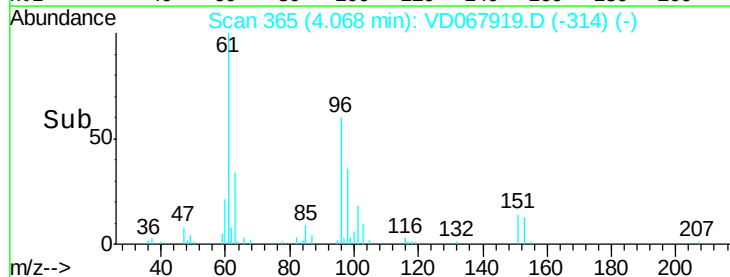
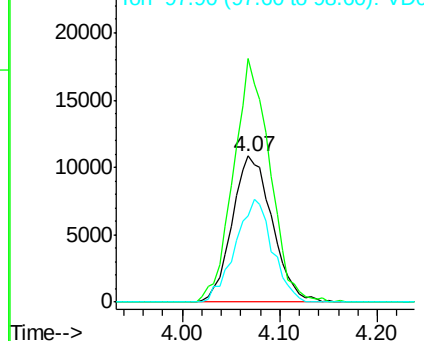
98 59.3 54.6 82.0

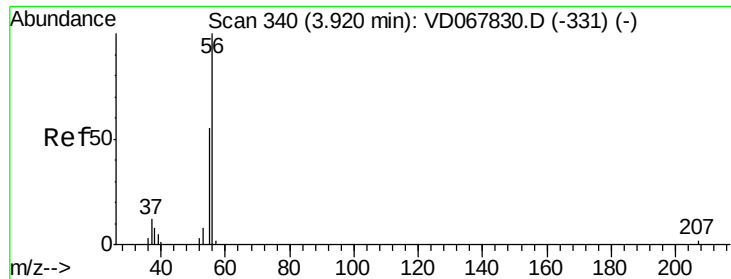


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 72.522 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

Tot Ion: 56 Resp: 5723

Ion Ratio Lower Upper

56 100

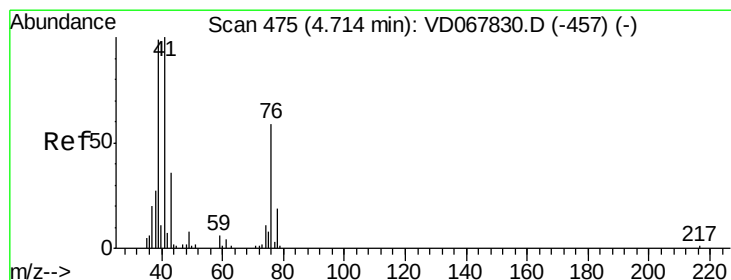
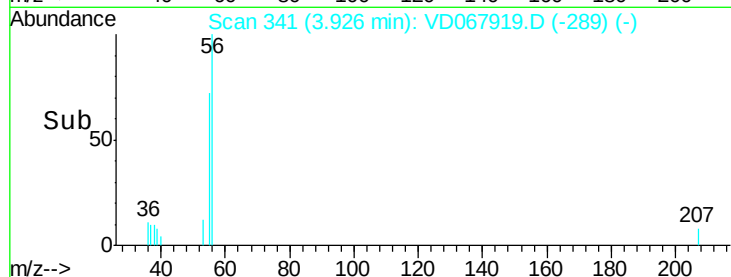
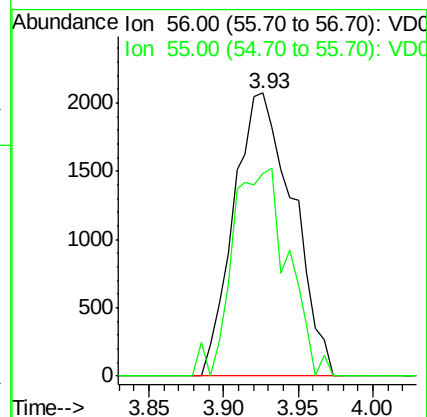
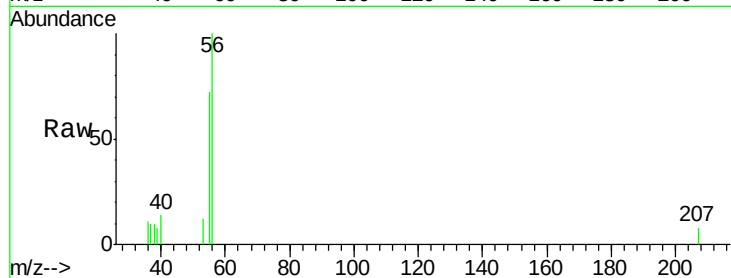
55 69.3 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 19.222 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

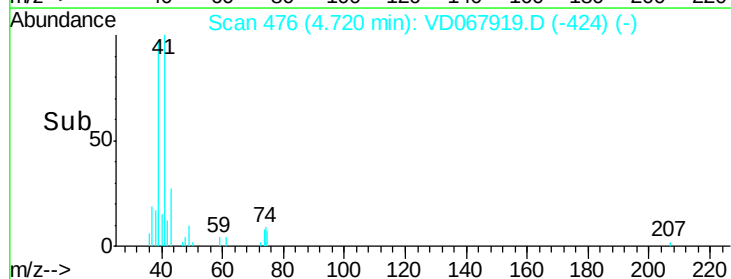
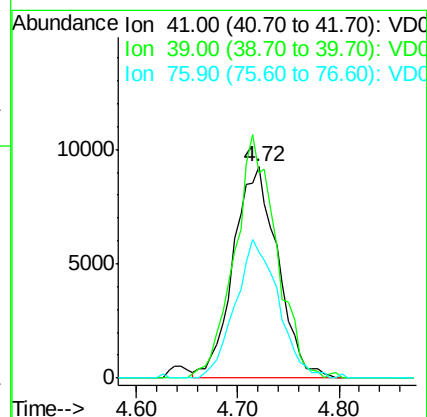
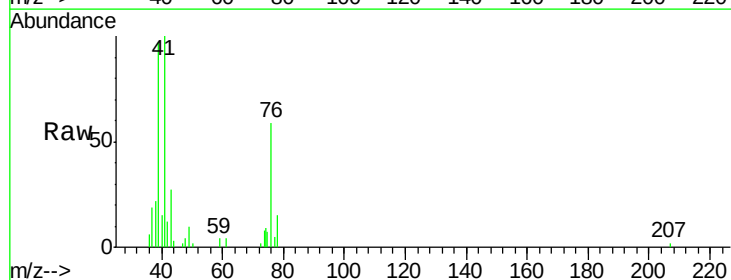
Tgt Ion: 41 Resp: 28186

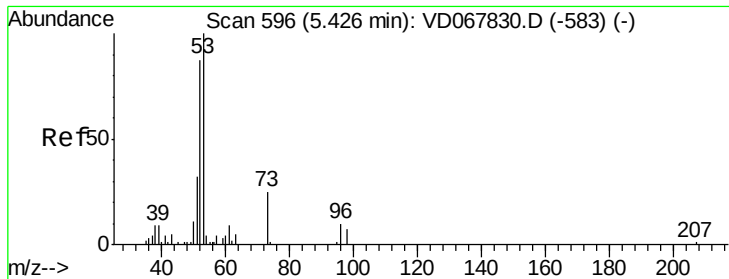
Ion Ratio Lower Upper

41 100

39 107.4 79.0 118.6

76 62.9 46.6 70.0





#15

Acrylonitrile

Concen: 96.209 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

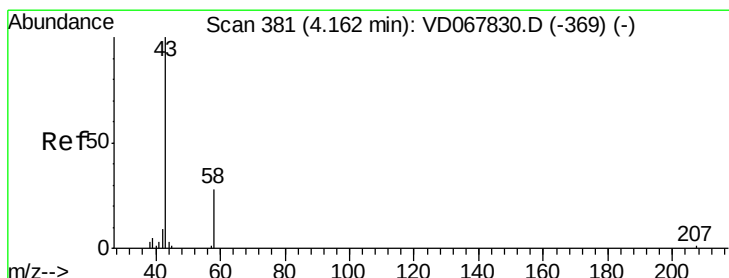
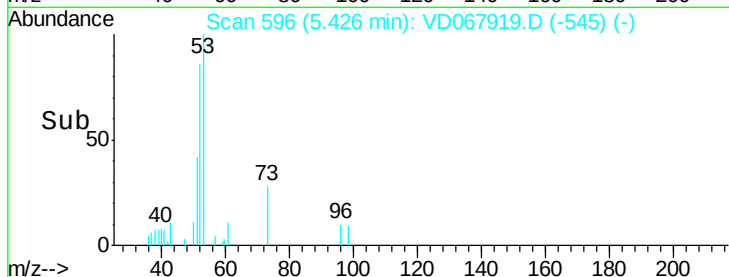
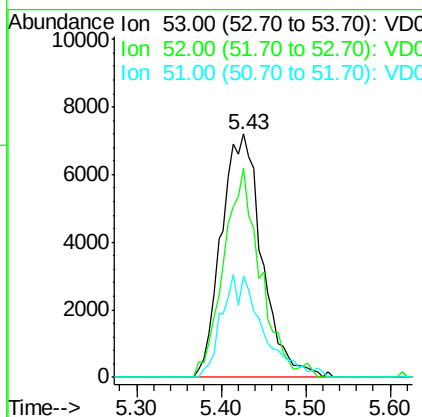
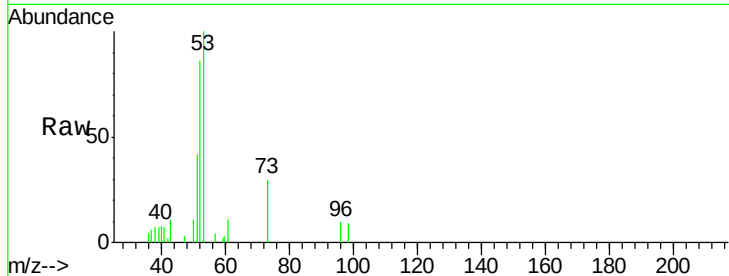
ClientSampleId :

VD1209SBS01

Tot Ion:	53	Resp:	24074
Ion Ratio	Lower	Upper	
53	100		
52	76.1	66.2	99.2
51	18.5	31.1	46.7#

Manual Integrations
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#16

Acetone

Concen: 92.491 ug/l

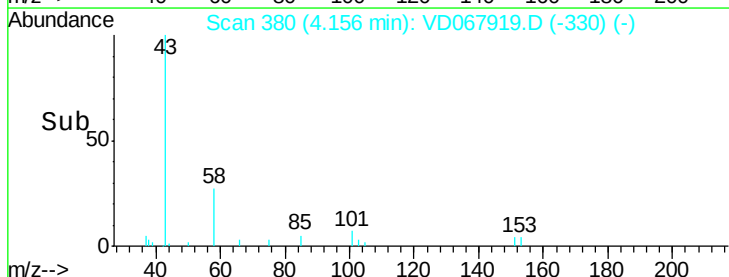
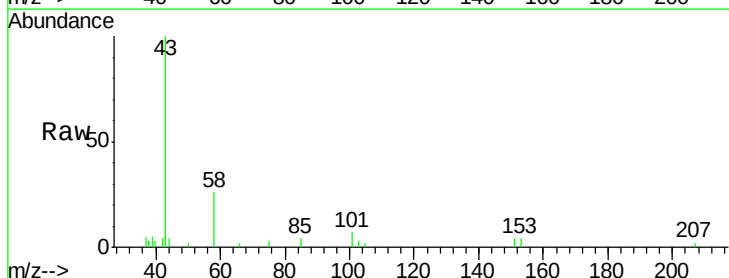
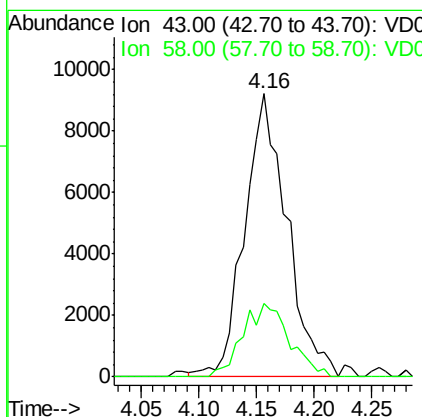
RT: 4.16 min Scan# 380

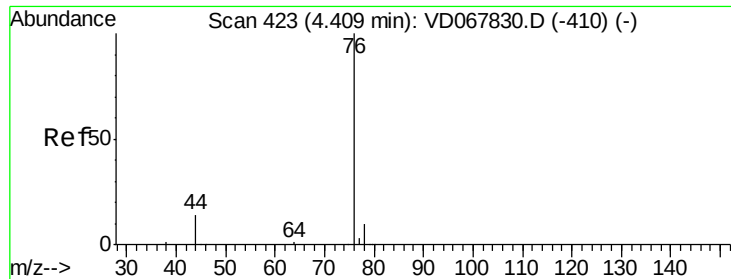
Delta R.T. -0.01 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Tgt Ion:	43	Resp:	23470
Ion Ratio	Lower	Upper	
43	100		
58	26.2	21.9	32.9





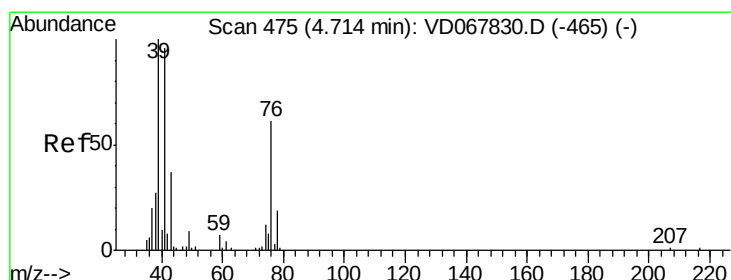
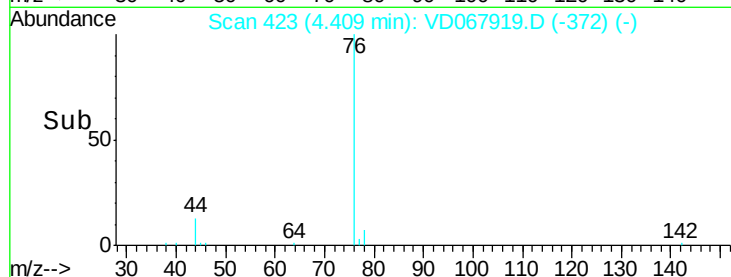
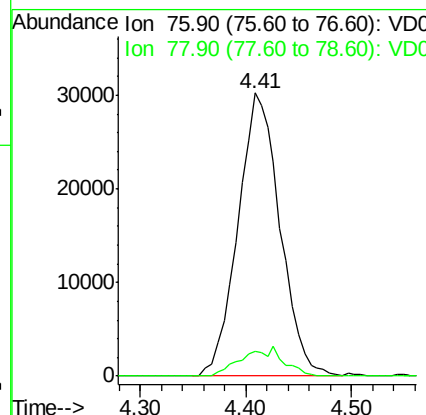
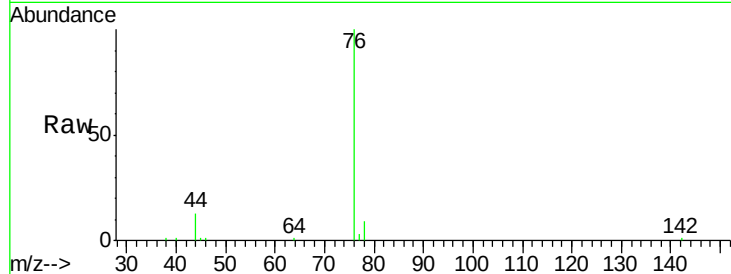
#17
Carbon Disulfide
Concen: 18.808 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion: 76 Resp: 83235
Ion Ratio Lower Upper
76 100
78 8.8 7.8 11.6

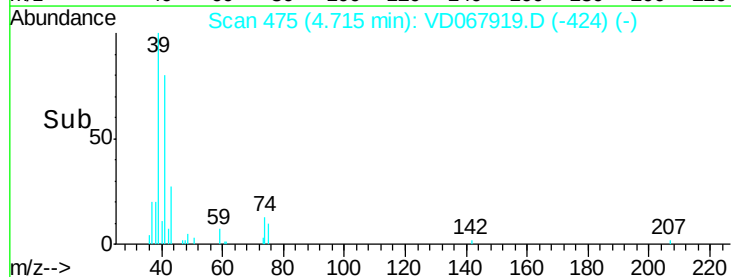
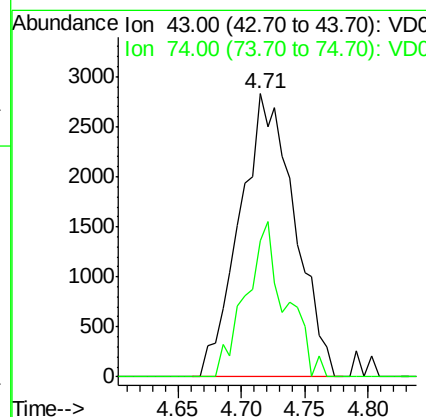
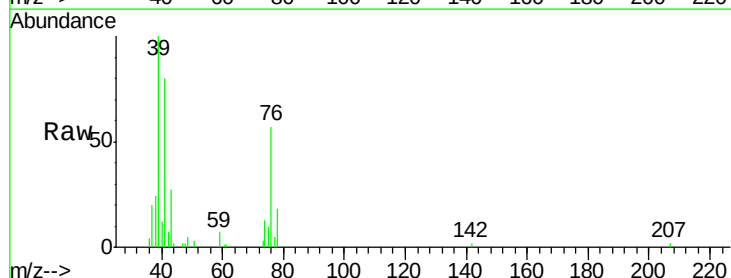
Manual Integrations
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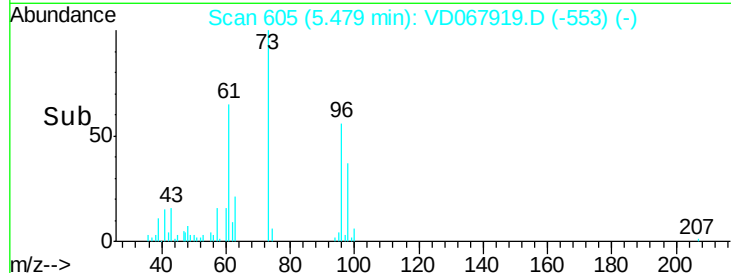
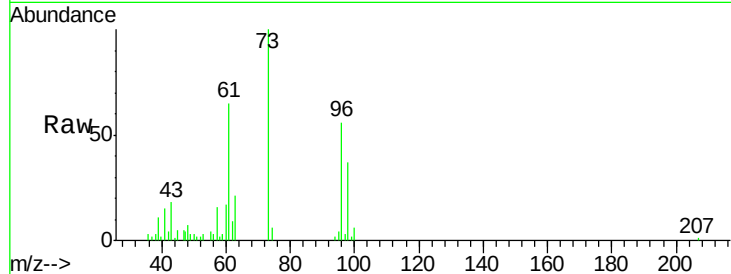
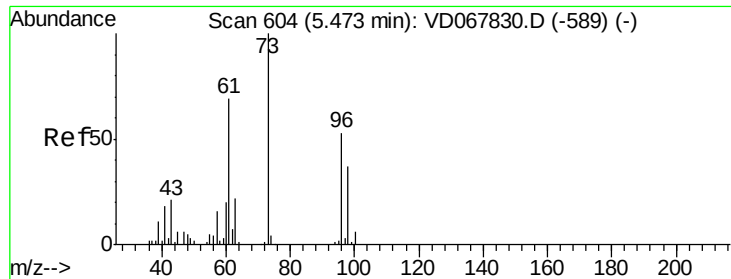
MMDadoda
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#18
Methyl Acetate
Concen: 17.391 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Tgt Ion: 43 Resp: 8508
Ion Ratio Lower Upper
43 100
74 39.8 27.0 40.4





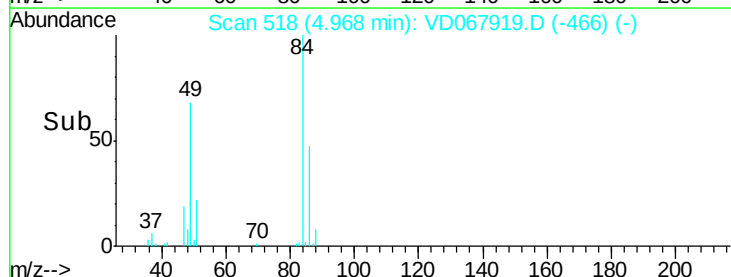
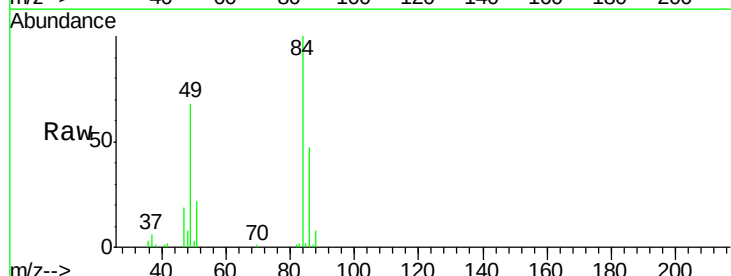
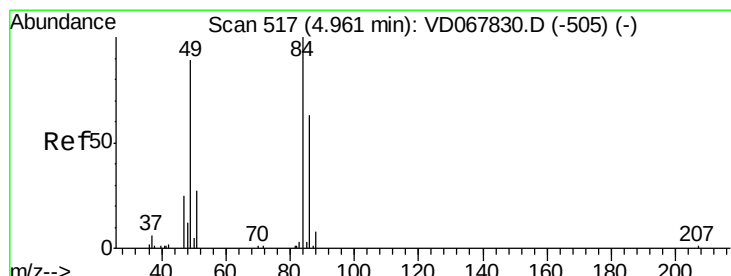
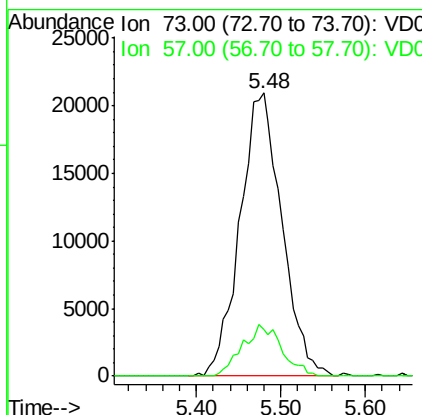
#19
Methyl tert-butyl Ether
Concen: 21.249 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Tot Ion: 73 Resp: 72122
Ion Ratio Lower Upper
73 100
57 16.4 13.2 19.8

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

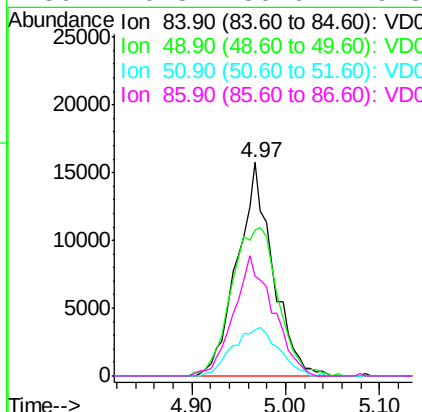
Manual Integrations
APPROVED

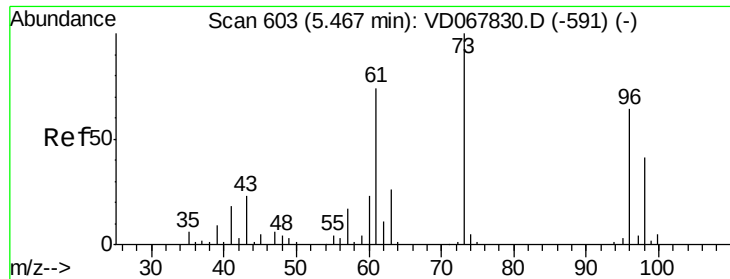
MMDadoda
12/10/2020 10:19:28 AM



#20
Methylene Chloride
Concen: 22.973 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Tgt Ion: 84 Resp: 41411
Ion Ratio Lower Upper
84 100
49 68.5 71.4 107.0#
51 21.6 21.8 32.8#
86 46.8 50.6 75.8#





#21

trans-1,2-Dichloroethene

Concen: 20.537 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

Tot Ion: 96 Resp: 37042

Ion Ratio Lower Upper

96 100

61 94.4 93.1 139.7

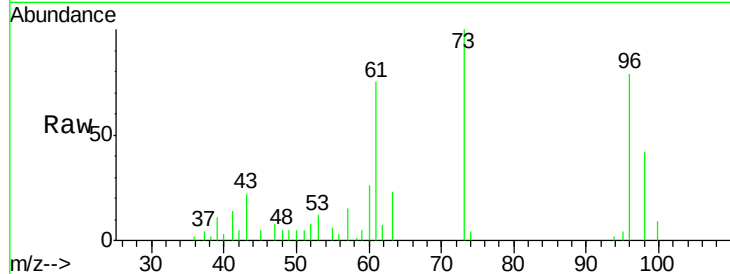
98 53.3 52.2 78.2

Manual Integrations

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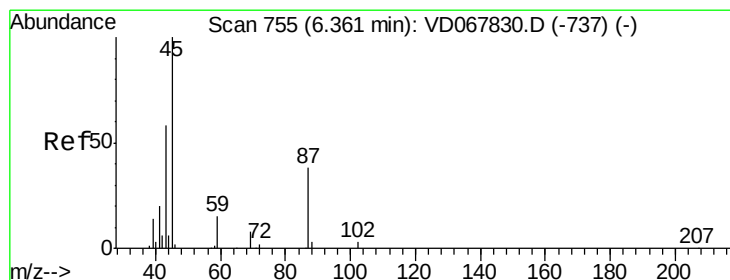
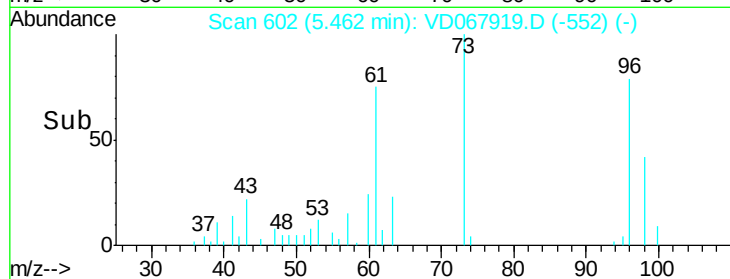
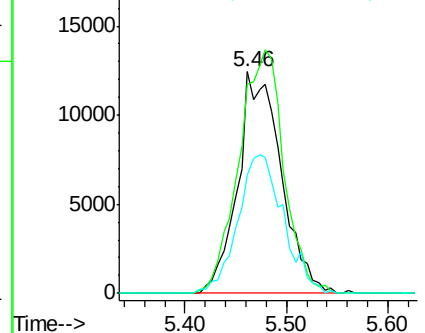
12/10/2020 10:19:28 AM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 20.811 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Tgt Ion: 45 Resp: 61376

Ion Ratio Lower Upper

45 100

43 54.3 49.8 74.6

87 43.5 32.1 48.1

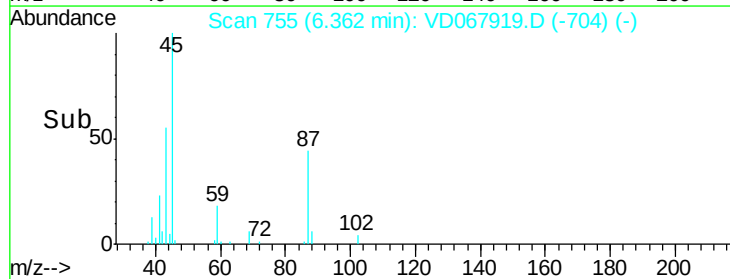
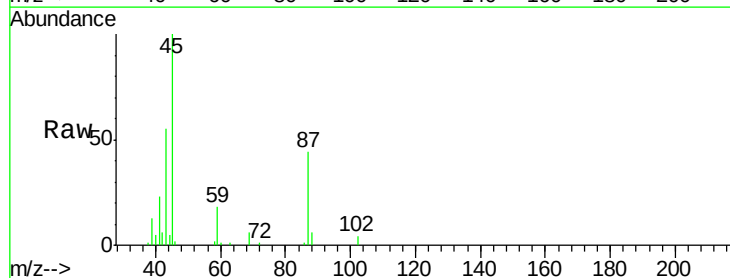
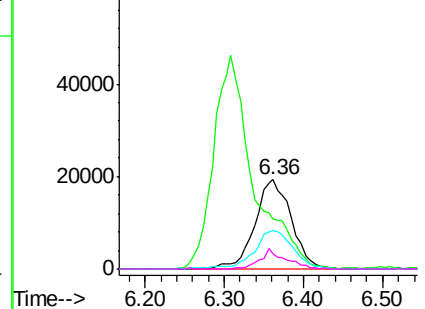
59 17.6 11.9 17.9

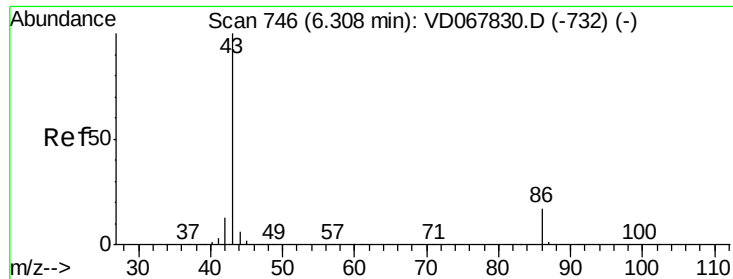
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 98.535 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

Tot Ion: 43 Resp: 161668

Ion Ratio Lower Upper

43 100

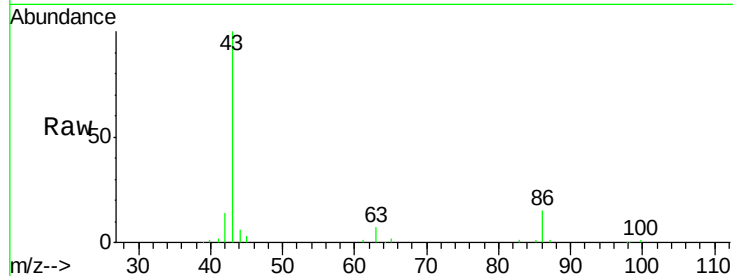
86 15.4 13.8 20.6

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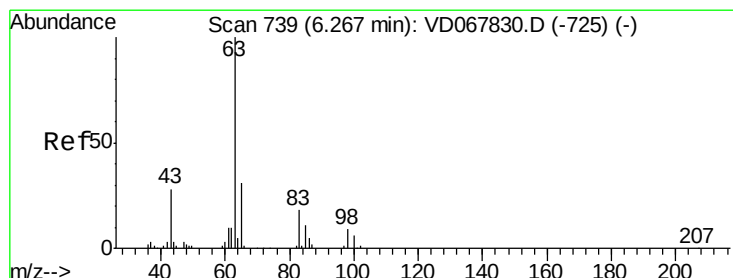
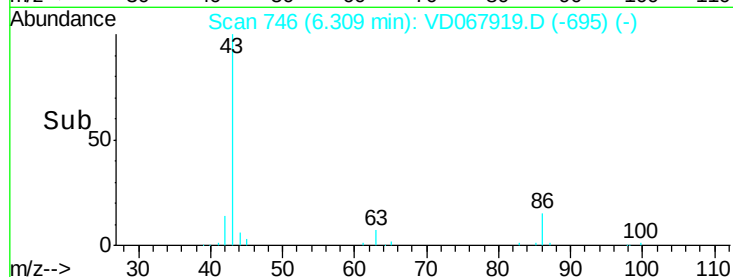
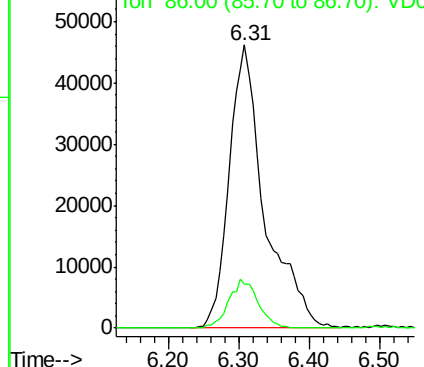
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.435 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

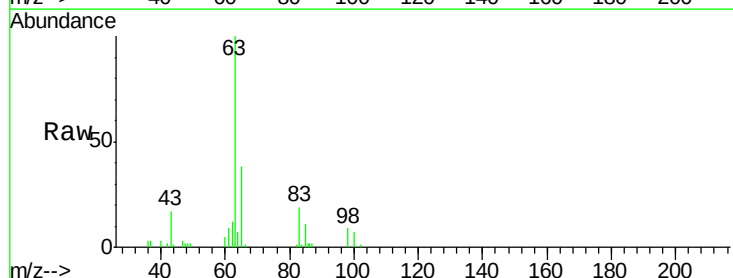
Tgt Ion: 63 Resp: 52830

Ion Ratio Lower Upper

63 100

98 8.5 4.5 13.5

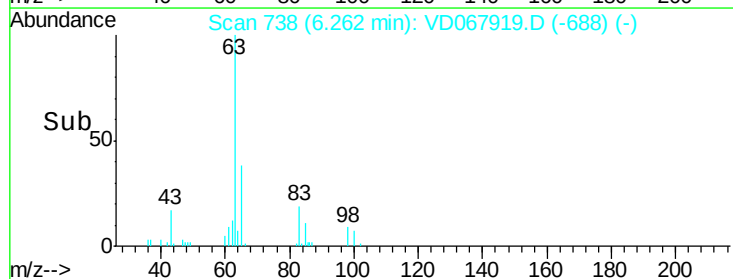
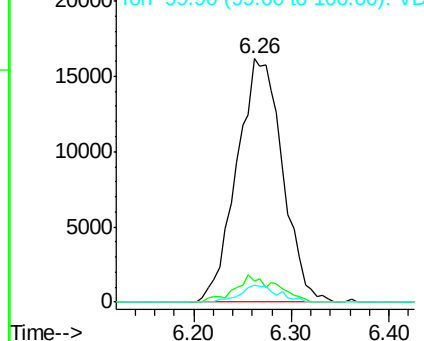
100 6.8 3.0 9.2

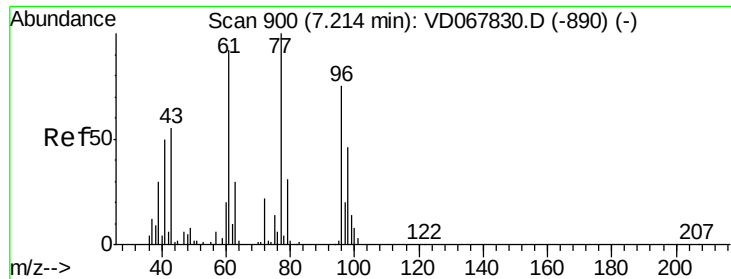


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 86.909 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

Tot Ion: 43 Resp: 23196

Ion Ratio Lower Upper

43 100

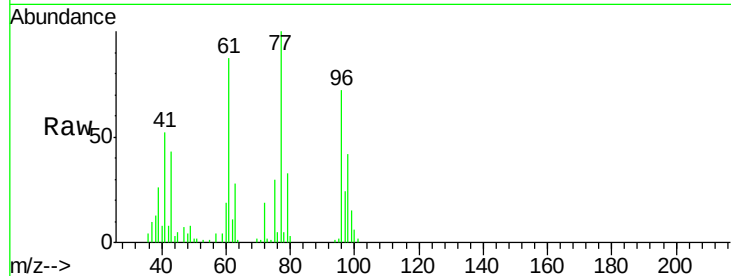
72 43.1 31.3 46.9

Manual Integrations

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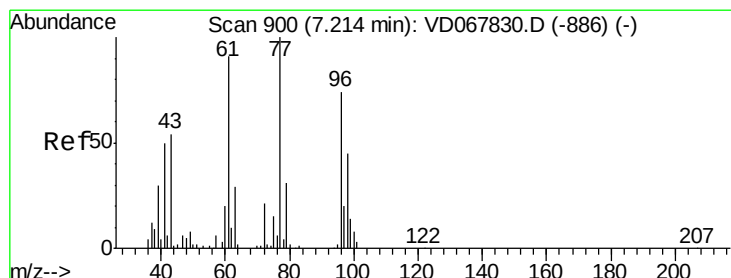
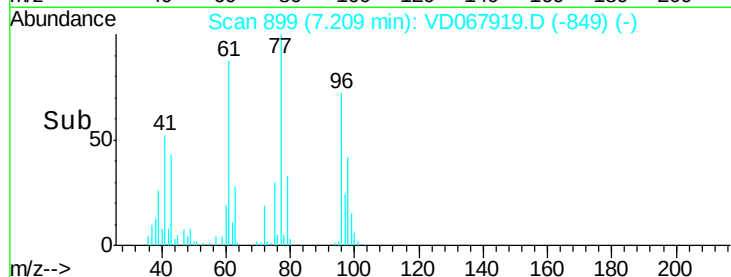
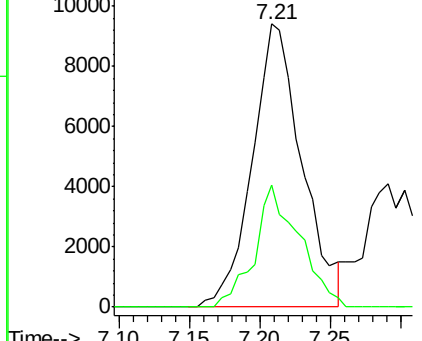
MMDadoda

12/10/2020 10:19:28 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.284 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067919.D

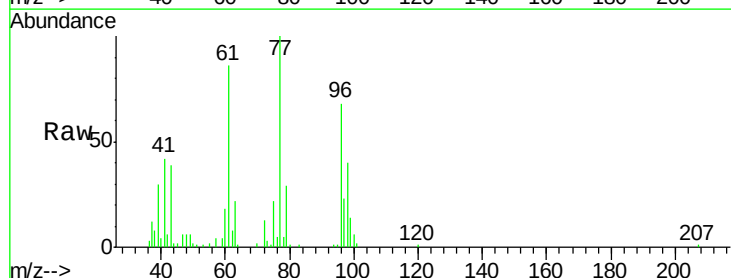
Acq: 09 Dec 2020 11:10

Tgt Ion: 77 Resp: 65618

Ion Ratio Lower Upper

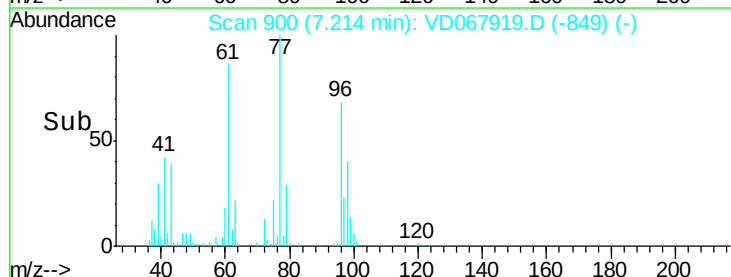
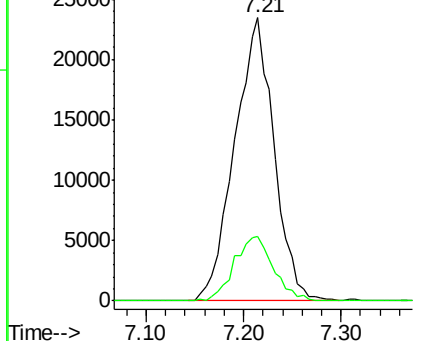
77 100

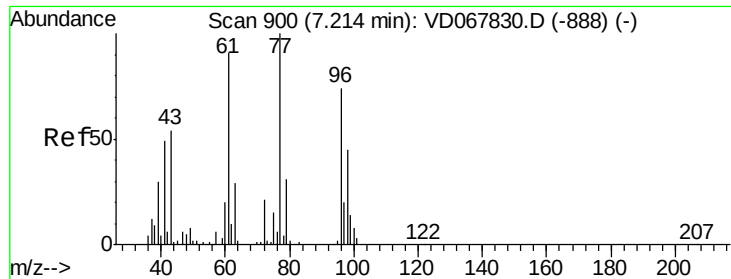
97 22.7 11.1 33.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

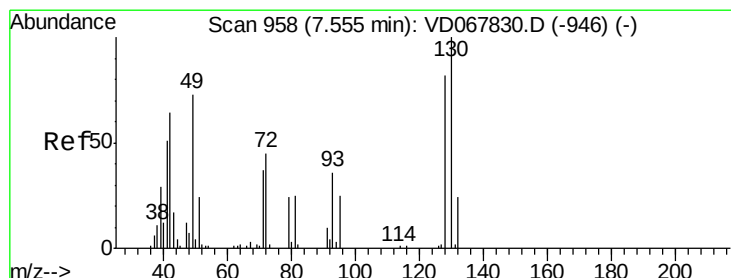
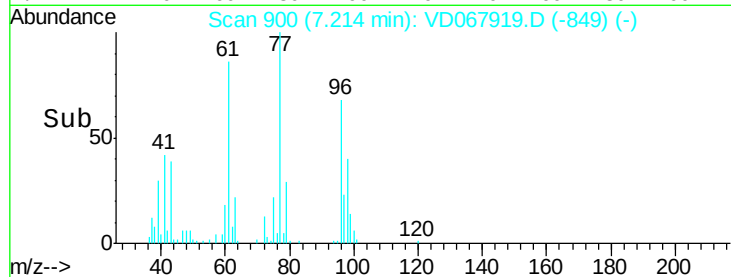
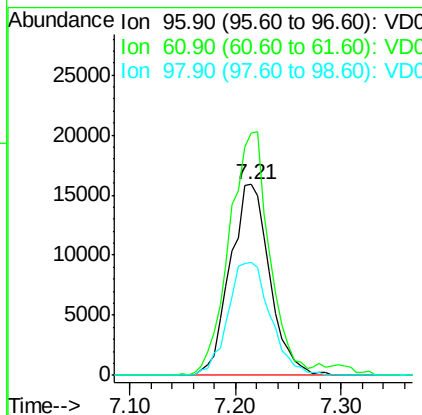
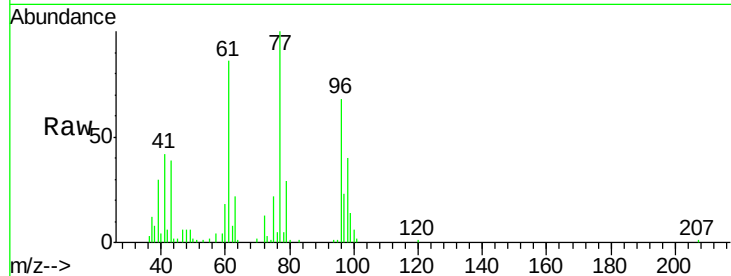
cis-1,2-Dichloroethene
Concen: 20.928 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.4	0.0	248.4
98	63.2	0.0	127.4

Manual Integrations
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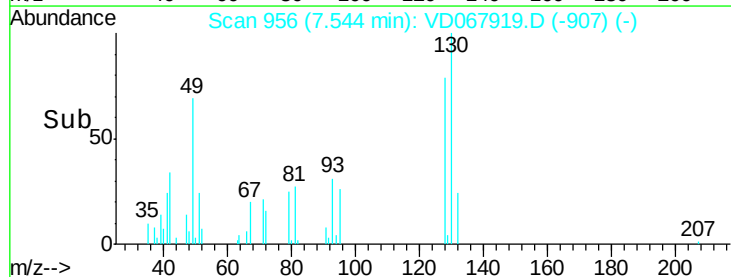
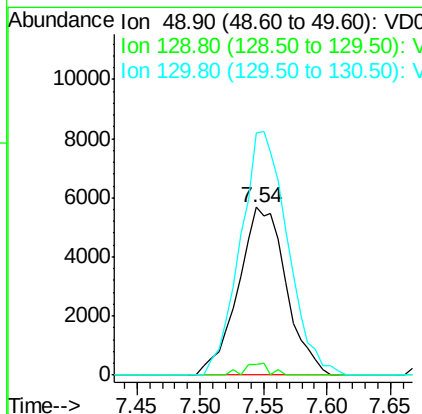
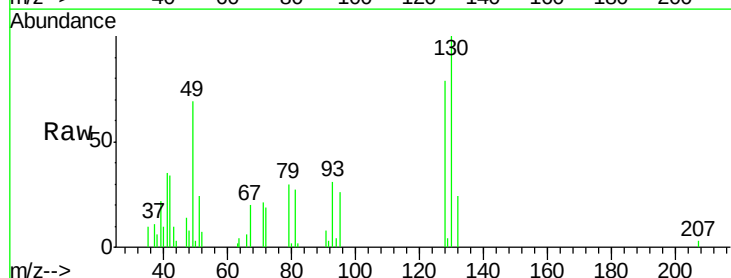
MMDadoda
12/10/2020 10:19:28 AM

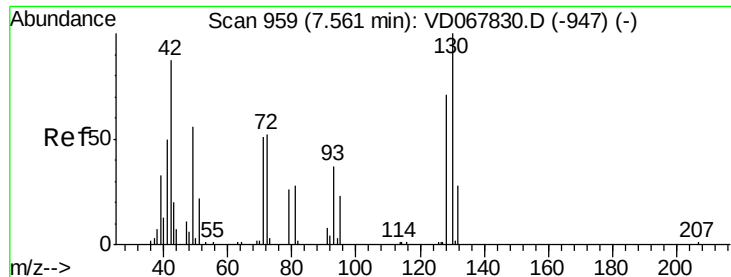


#28

Bromochloromethane
Concen: 18.145 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.6	0.0	3.4#
130	143.6	110.2	165.2





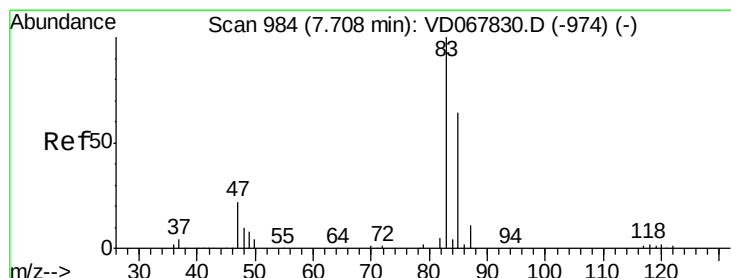
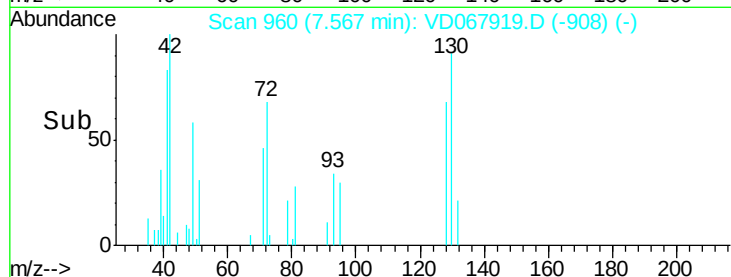
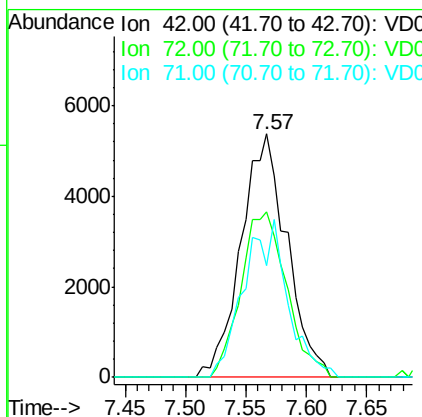
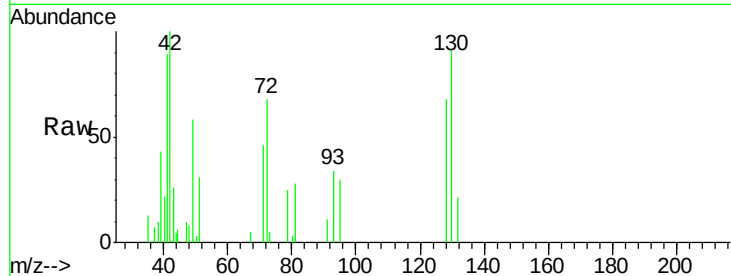
#29
Tetrahydrofuran
Concen: 93.091 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	68.0	51.9	77.9
71	61.9	48.2	72.4

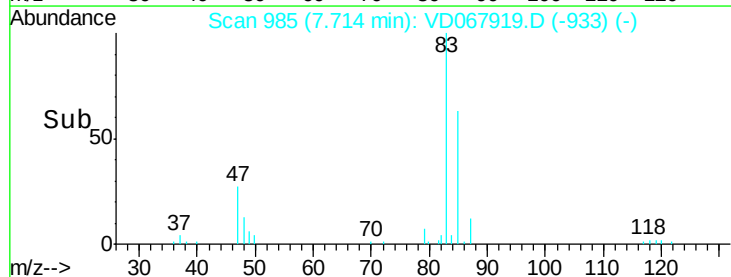
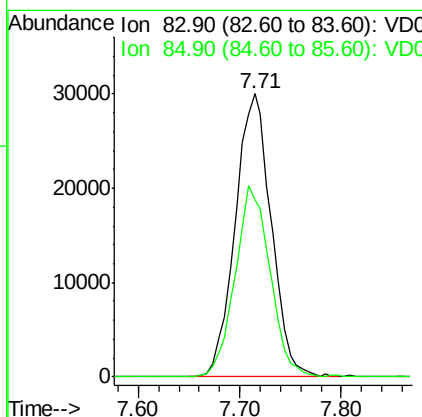
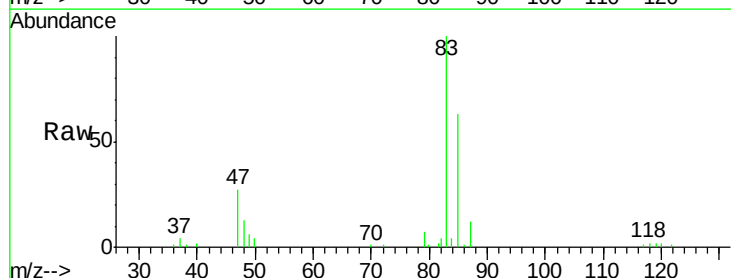
Manual Integrations
APPROVED

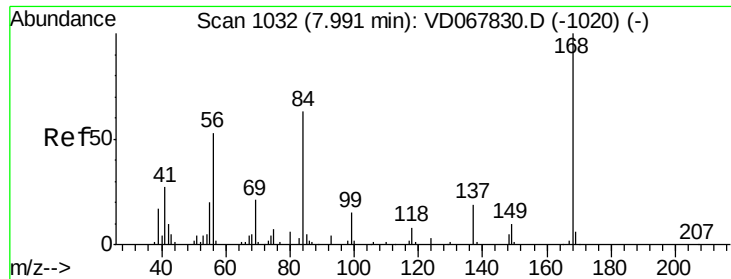
MMDadoda
12/10/2020 10:19:28 AM



#30
Chloroform
Concen: 21.383 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.0	76.4





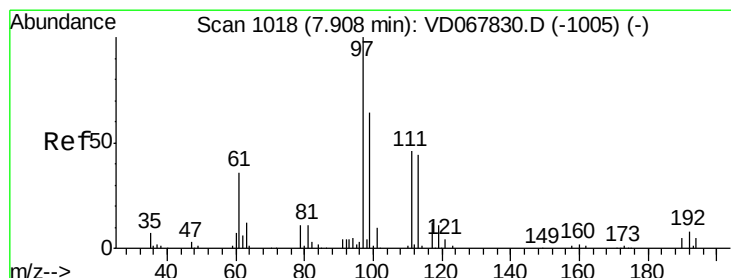
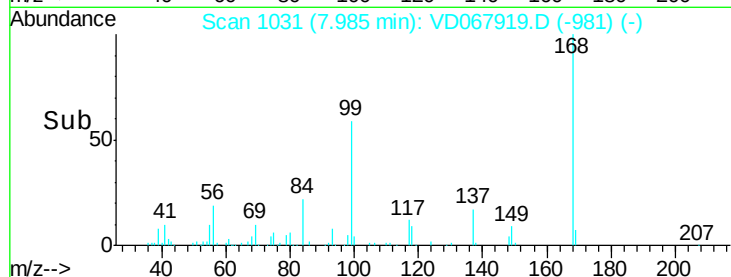
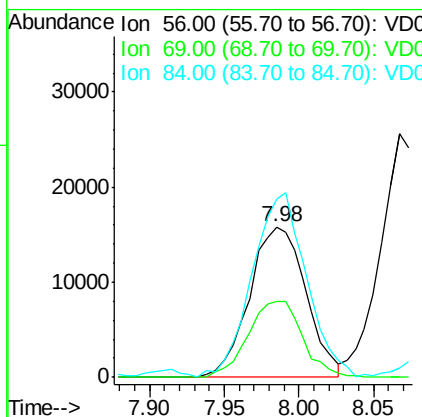
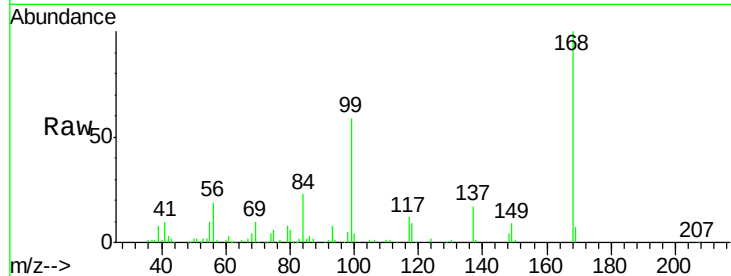
#31
Cyclohexane
Concen: 19.216 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion: 56 Resp: 41574
Ion Ratio Lower Upper
56 100
69 50.7 32.1 48.1#
84 115.9 93.2 139.8

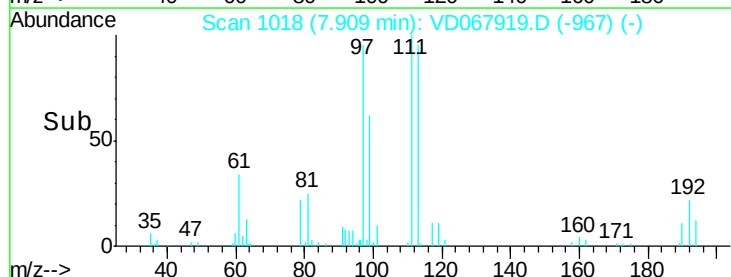
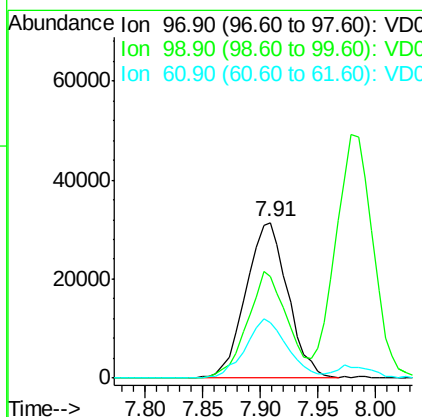
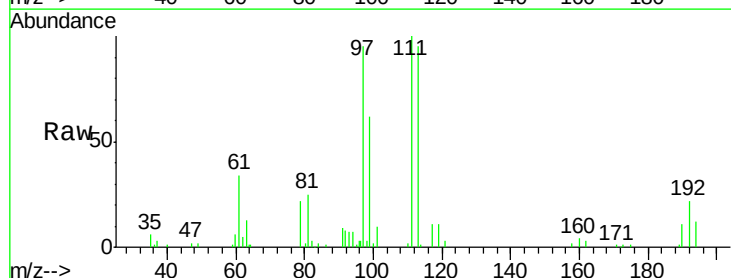
Manual Integrations
APPROVED

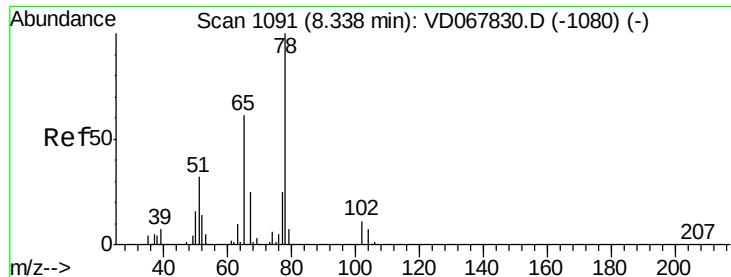
MMDadoda
12/10/2020 10:19:28 AM



#32
1,1,1-Trichloroethane
Concen: 21.777 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Tgt Ion: 97 Resp: 79425
Ion Ratio Lower Upper
97 100
99 65.8 51.4 77.2
61 38.2 30.8 46.2





#33

1,2-Dichloroethane-d4

Concen: 48.965 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

Tot Ion: 65 Resp: 100551

Ion Ratio Lower Upper

65 100

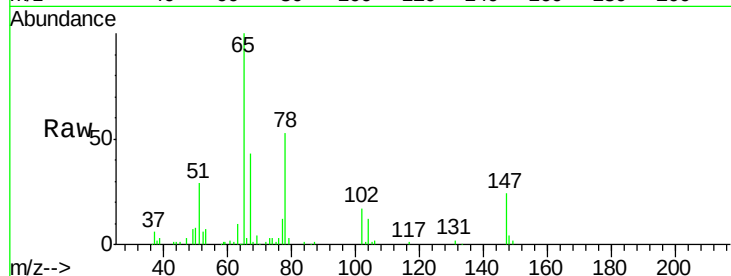
67 45.5 0.0 92.0

Manual Integrations

APPROVED

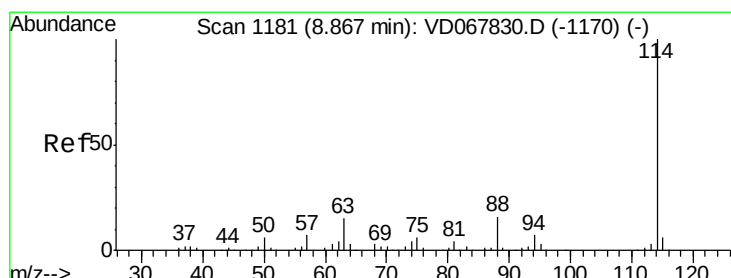
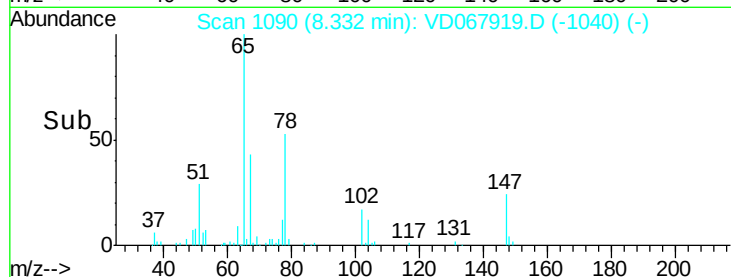
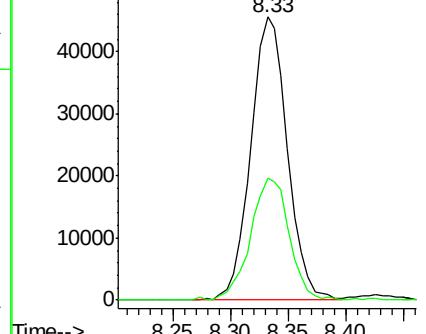
MMDadoda

12/10/2020 10:19:28 AM



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

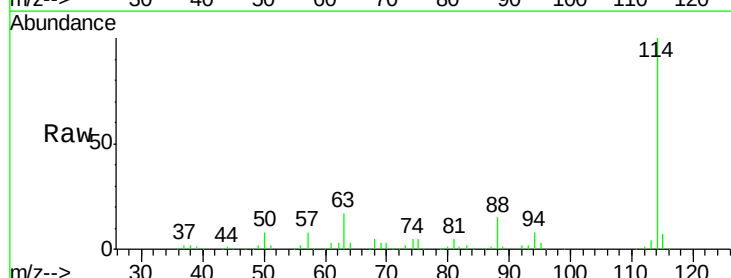
Tgt Ion: 114 Resp: 270170

Ion Ratio Lower Upper

114 100

63 17.5 0.0 30.8

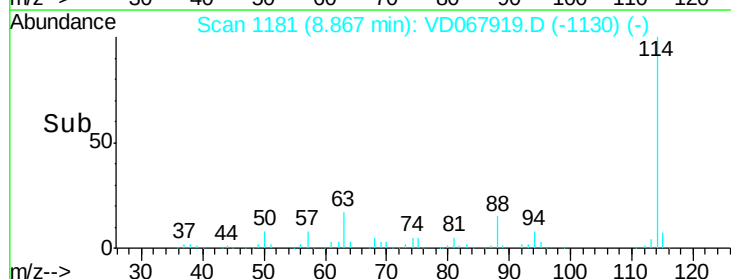
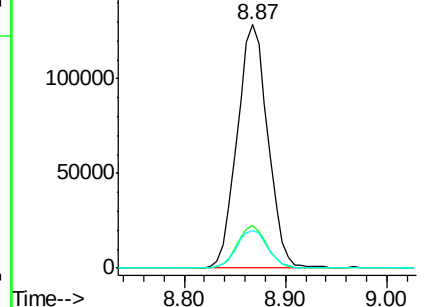
88 15.4 0.0 31.8

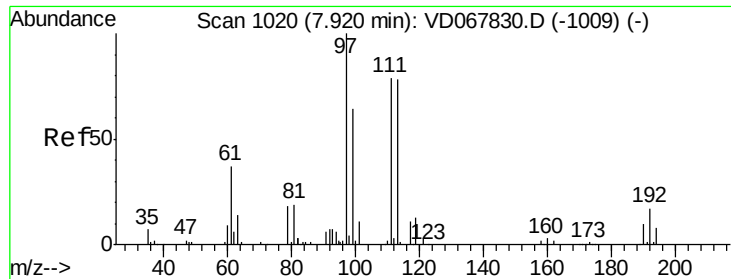


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





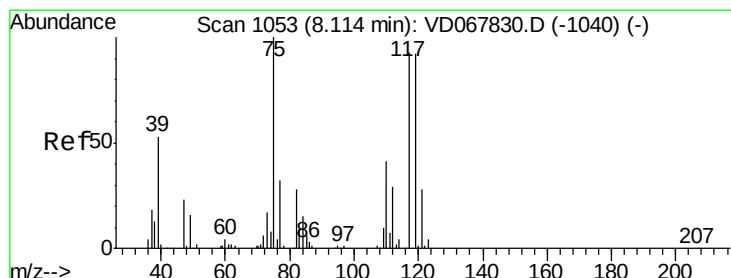
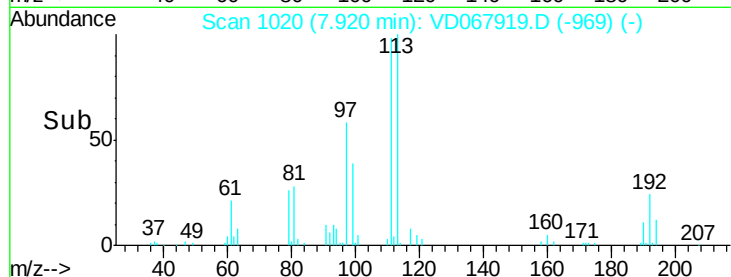
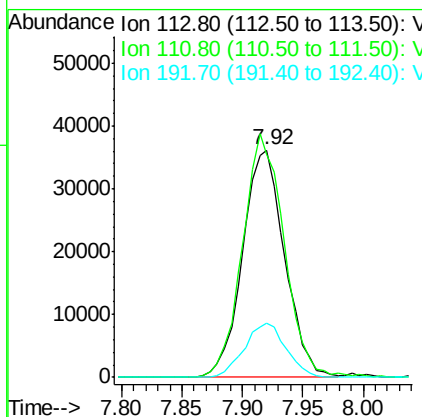
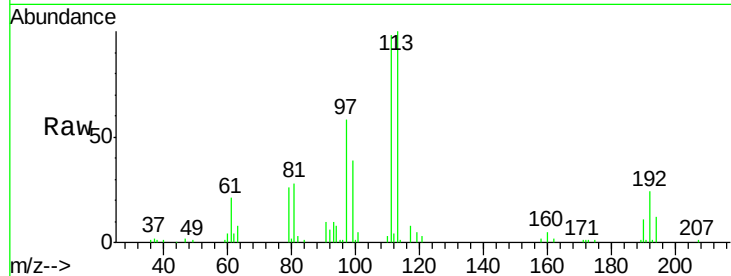
#35
Dibromofluoromethane
Concen: 48.501 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	87681		
111	106.3	81.2	121.8	
192	23.5	16.8	25.2	

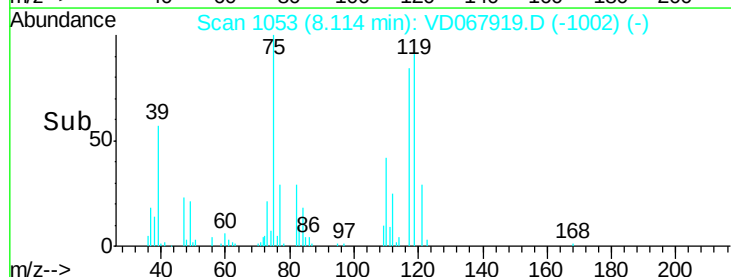
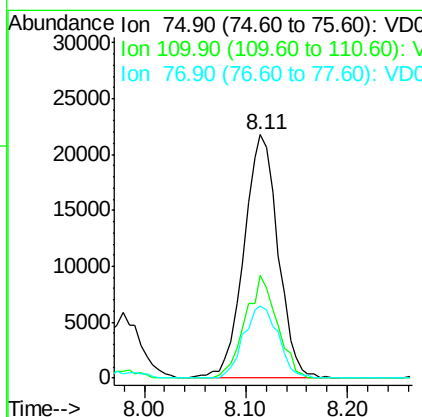
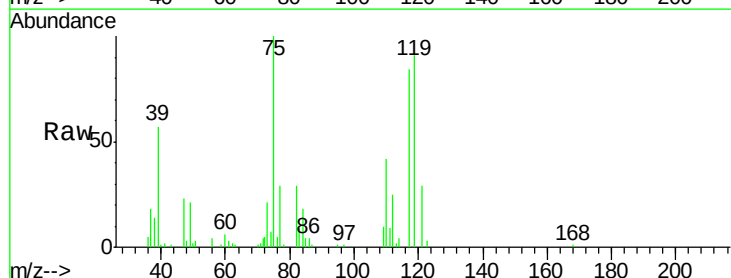
Manual Integrations
APPROVED

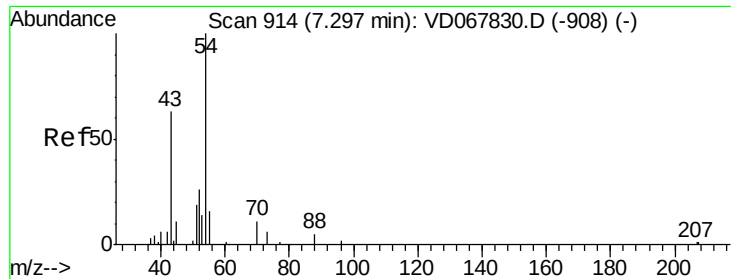
MMDadoda
12/10/2020 10:19:28 AM



#36
1,1-Dichloropropene
Concen: 21.640 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	50612		
110	39.4	20.3	61.0	
77	29.9	24.7	37.1	





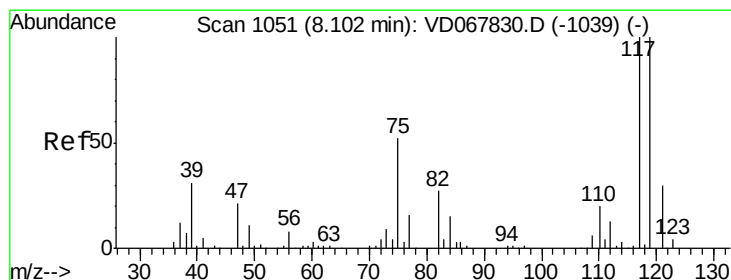
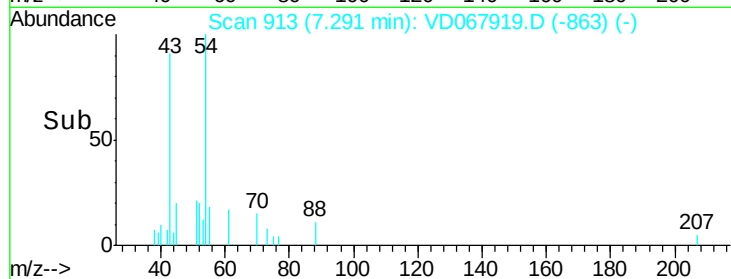
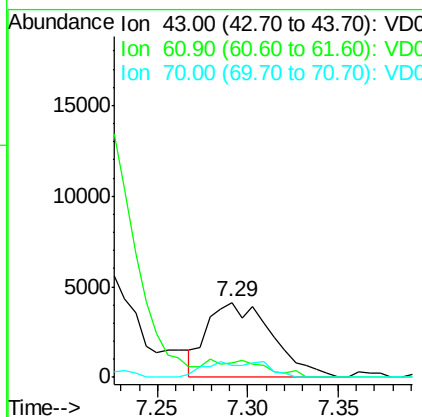
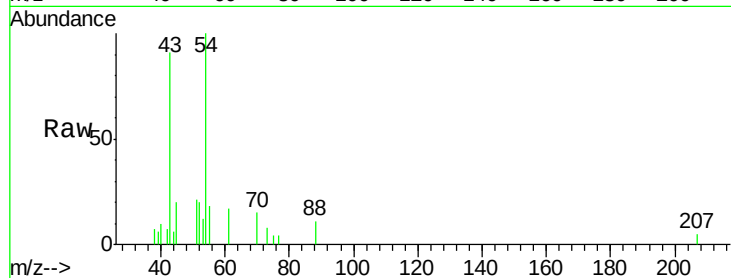
#37
Ethyl Acetate
Concen: 16.199 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.4	17.2#
70	12.1	11.5	17.3

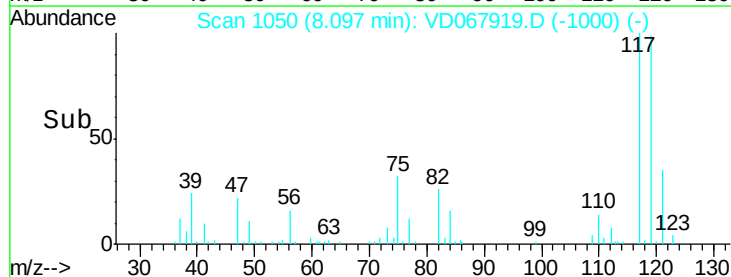
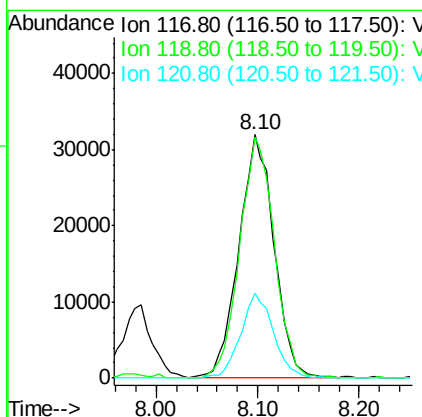
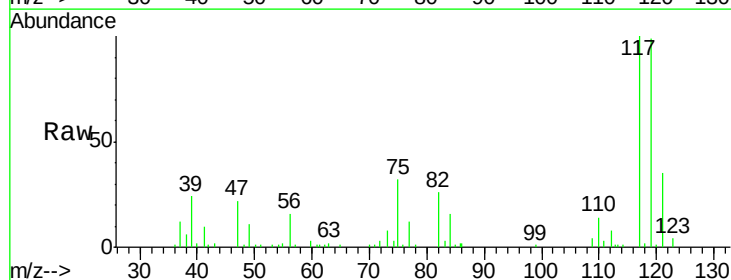
Manual Integrations
APPROVED

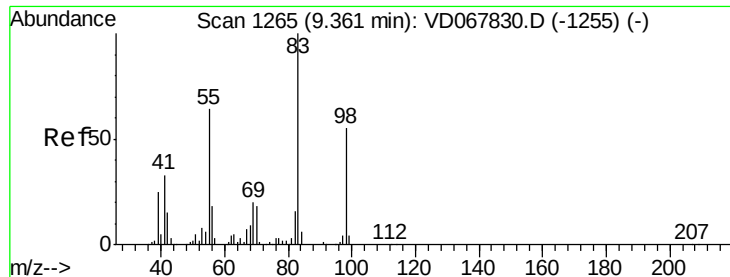
MMDadoda
12/10/2020 10:19:28 AM



#38
Carbon Tetrachloride
Concen: 21.783 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.9	79.7	119.5
121	34.6	23.8	35.6





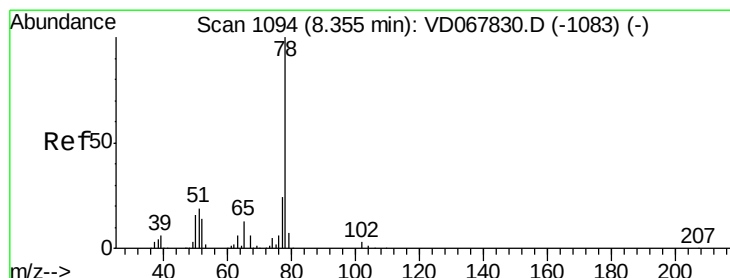
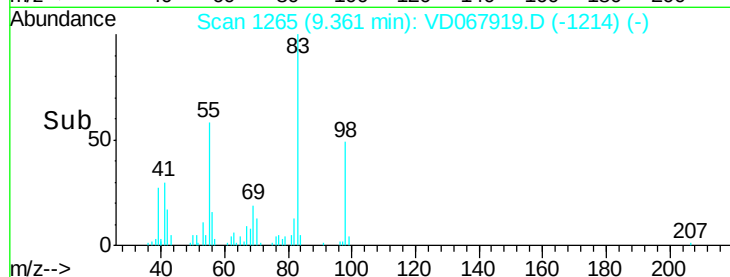
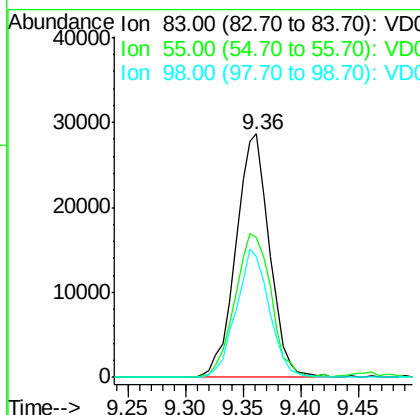
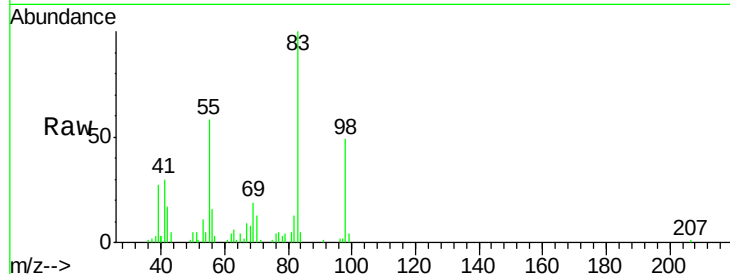
#39
Methylvlcyclohexane
Concen: 20.843 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	57.7	51.6	77.4
98	49.4	44.3	66.5

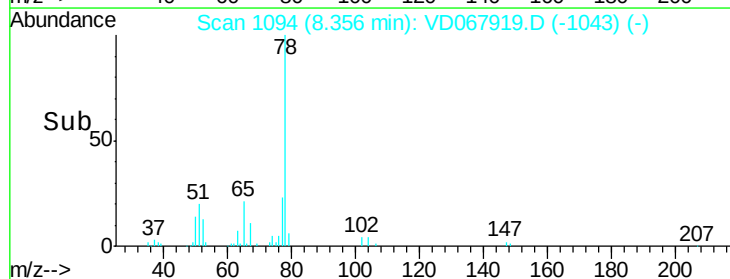
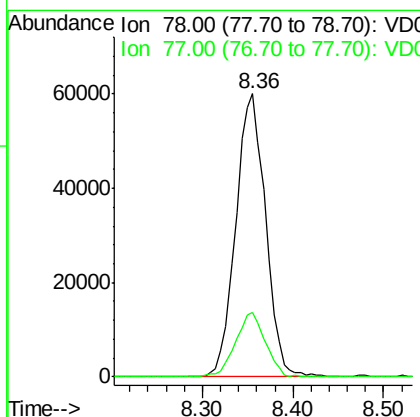
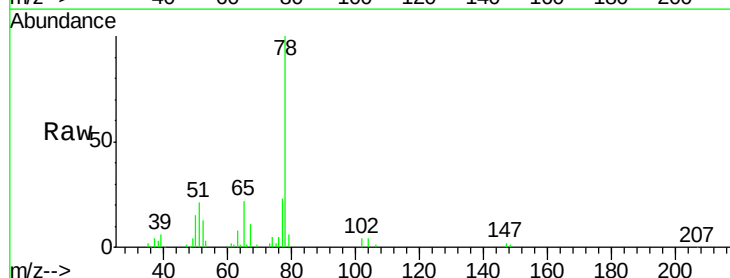
Manual Integrations
APPROVED

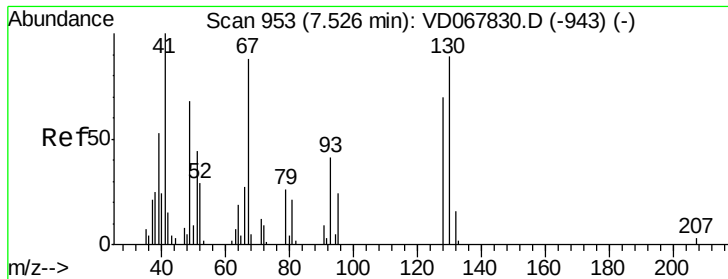
MMDadoda
12/10/2020 10:19:28 AM



#40
Benzene
Concen: 21.402 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.1	28.7





#41

Methacrylonitrile

Concen: 18.779 ug/l m

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

Tot Ion: 41 Resp: 6458

Ion Ratio Lower Upper

41 100

39 68.2 42.1 63.1#

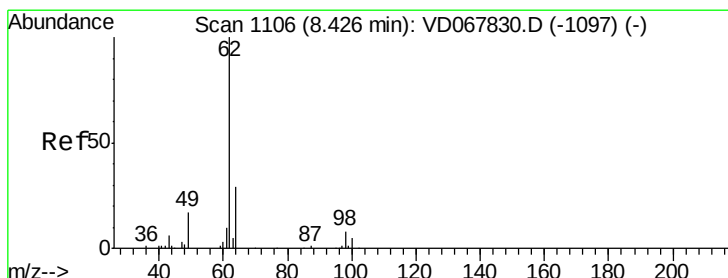
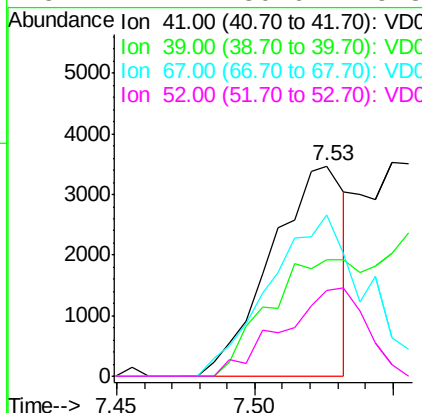
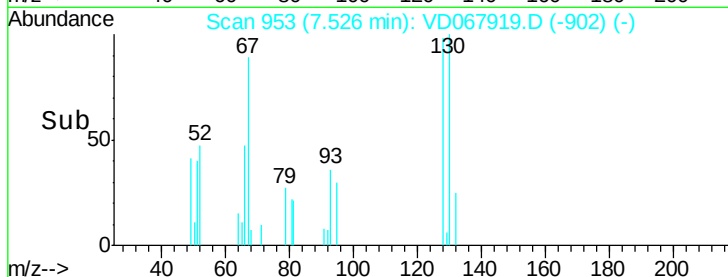
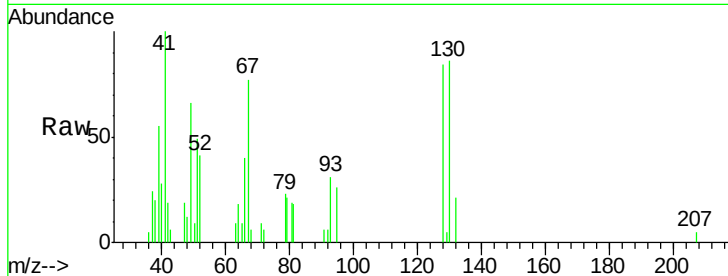
67 102.0 82.4 123.6

52 47.1 30.6 45.8#

Manual Integrations
APPROVED

MMDadoda

12/10/2020 10:19:28 AM



#42

1,2-Dichloroethane

Concen: 21.966 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067919.D

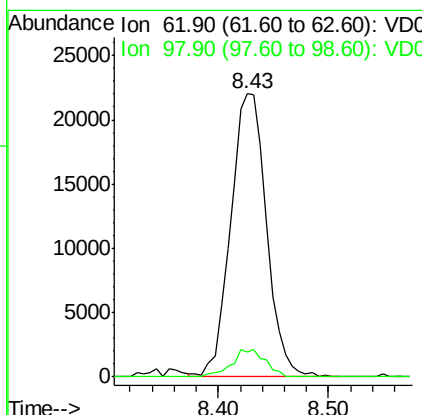
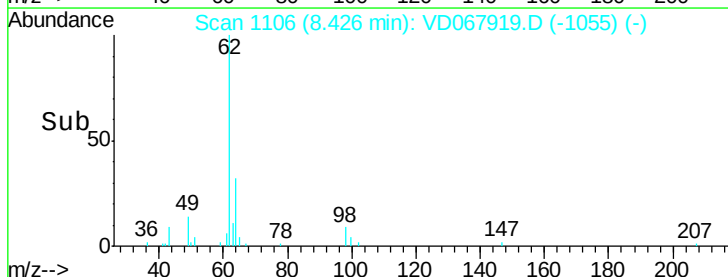
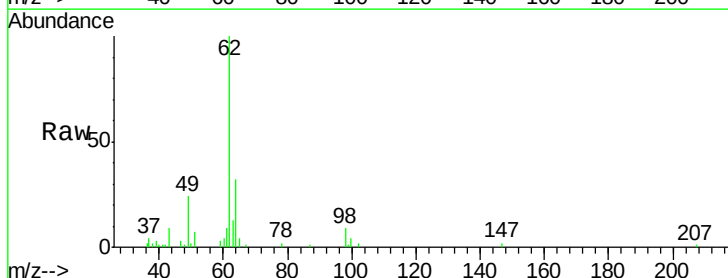
Acq: 09 Dec 2020 11:10

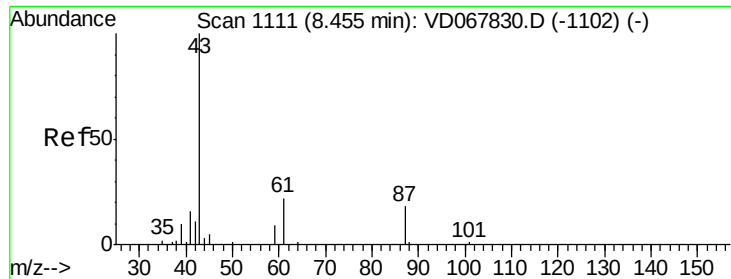
Tgt Ion: 62 Resp: 50103

Ion Ratio Lower Upper

62 100

98 9.0 0.0 17.2





#43

Isopropyl Acetate

Concen: 18.315 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

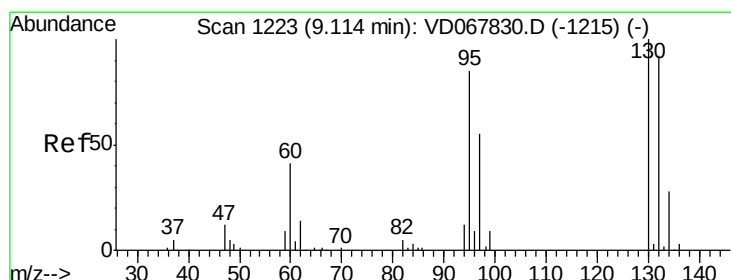
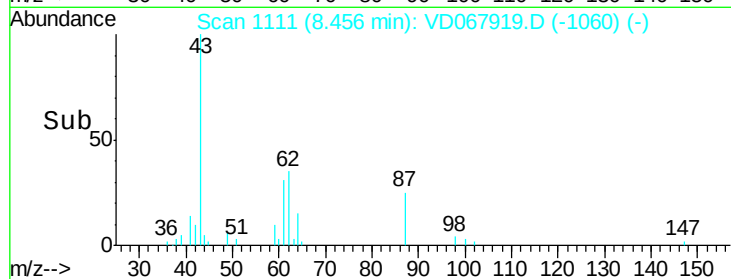
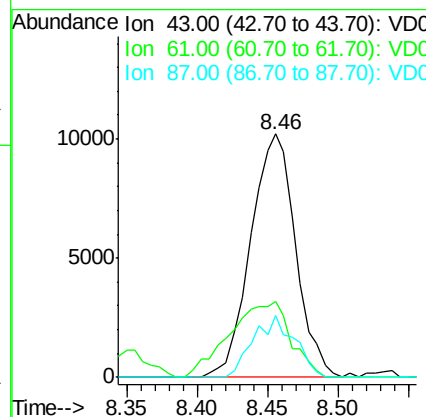
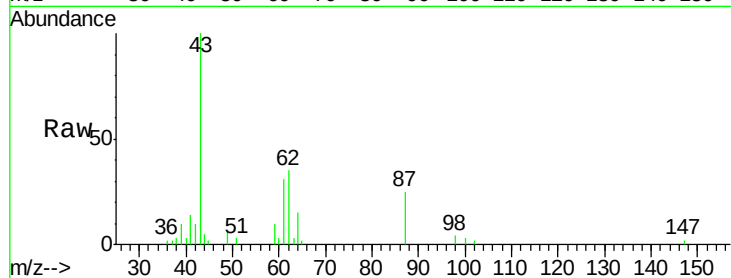
ClientSampleId :

VD1209SBS01

Tot Ion:	43	Resp:	22716
Ion	Ratio	Lower	Upper
43	100		
61	42.2	30.4	45.6
87	23.3	16.2	24.2

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12/10/2020 10:19:28 AM



#44

Trichloroethene

Concen: 21.817 ug/l

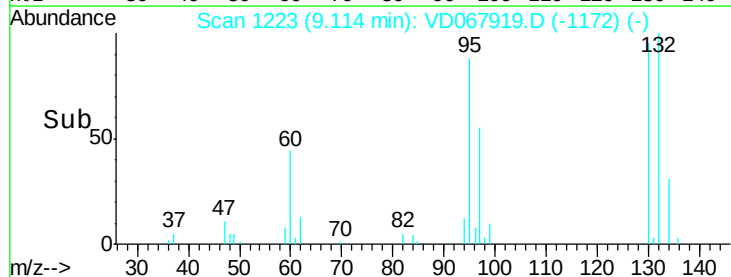
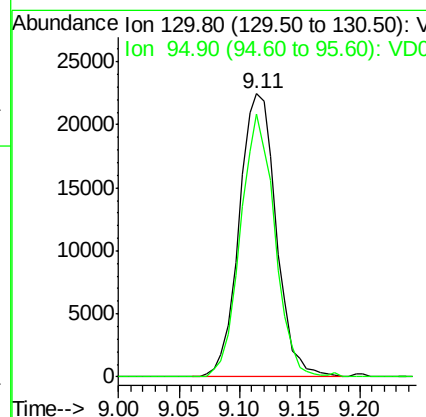
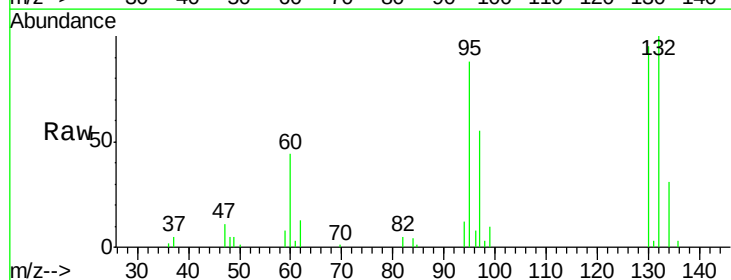
RT: 9.11 min Scan# 1223

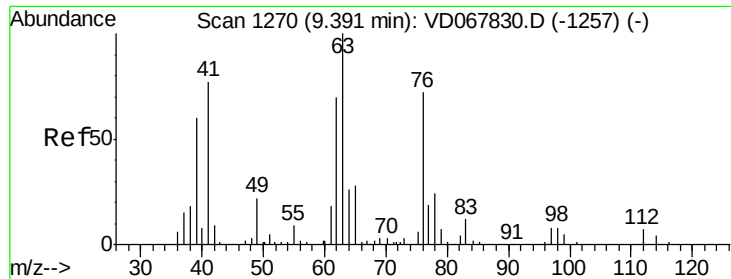
Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Tgt Ion:	130	Resp:	48004
Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	170.2





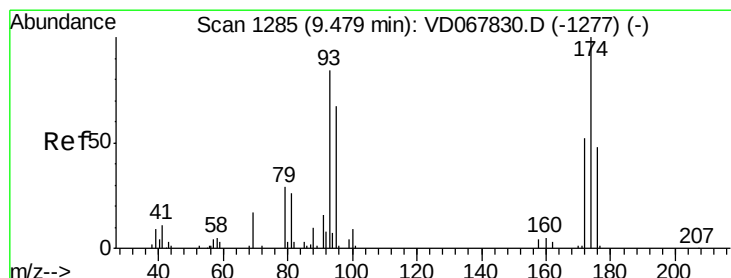
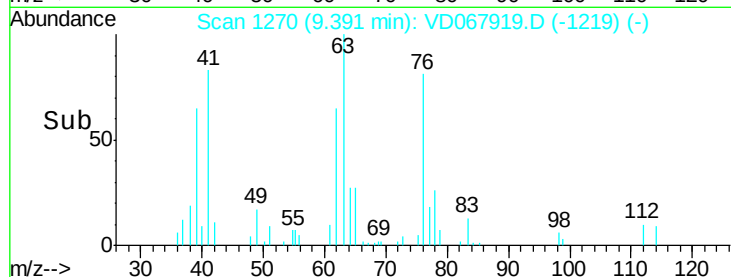
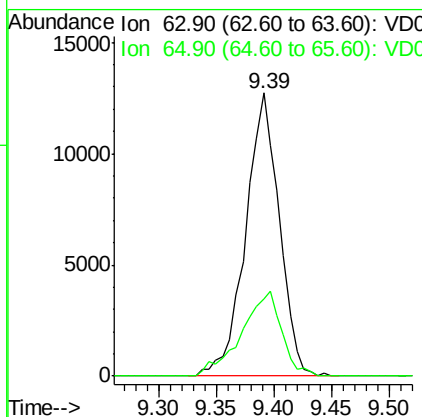
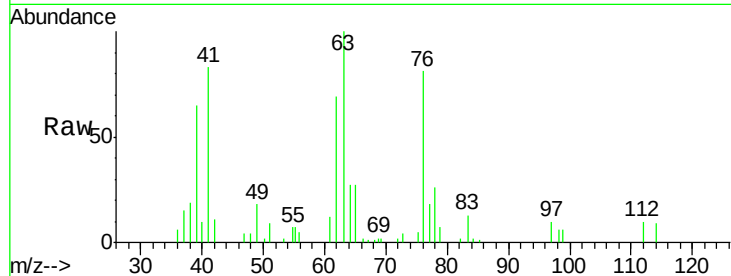
#45
 1,2-Dichloropropane
 Concen: 19.719 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067919.D
 Acq: 09 Dec 2020 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

Tot Ion: 63 Resp: 25901
 Ion Ratio Lower Upper
 63 100
 65 27.1 22.8 34.2

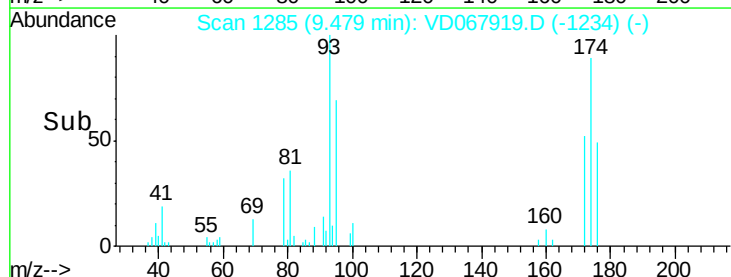
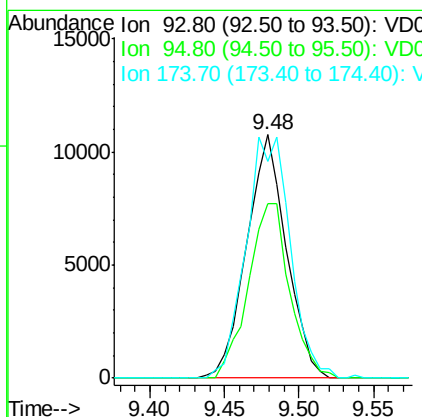
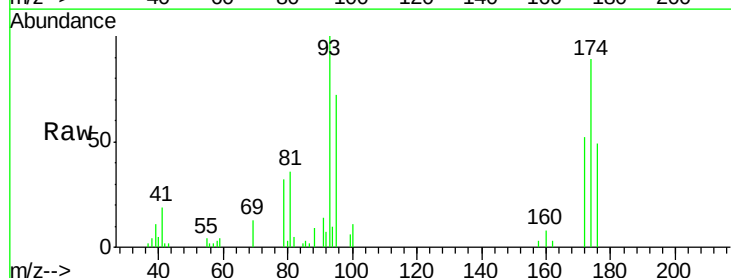
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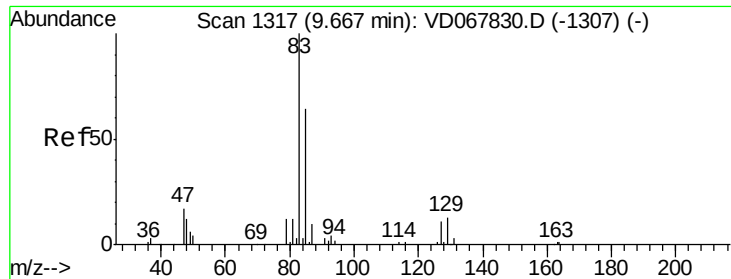
MMDadoda
 12/10/2020 10:19:28 AM



#46
 Dibromomethane
 Concen: 21.709 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067919.D
 Acq: 09 Dec 2020 11:10

Tgt Ion: 93 Resp: 19826
 Ion Ratio Lower Upper
 93 100
 95 74.6 64.2 96.4
 174 110.4 91.5 137.3





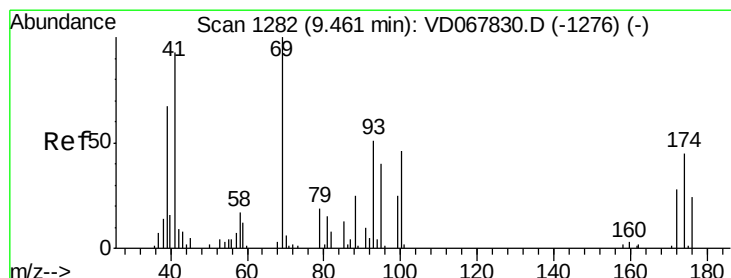
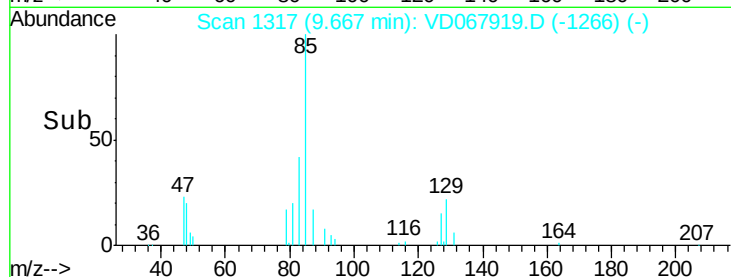
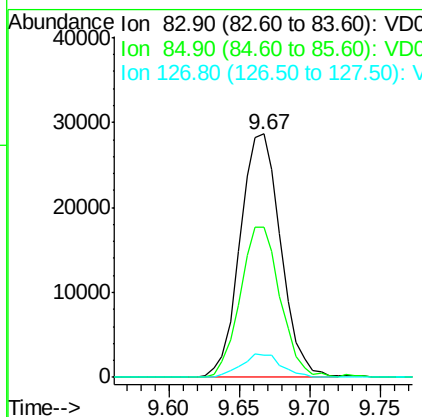
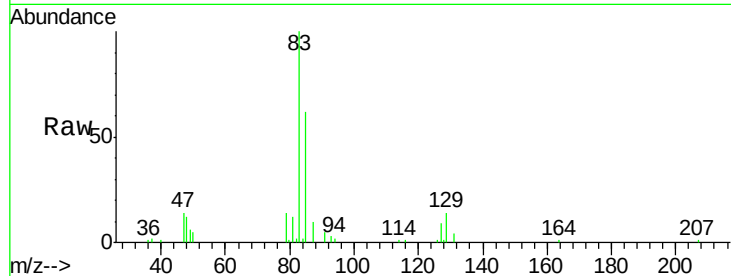
#47
Bromodichloromethane
Concen: 22.226 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	83	Resp	57867
Ion Ratio	100	Lower	Upper
83	100		
85	61.5	51.4	77.0
127	9.1	8.5	12.7

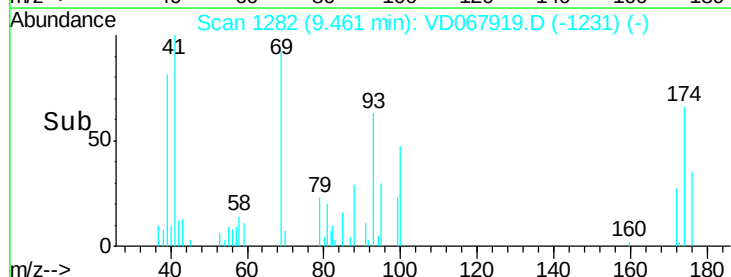
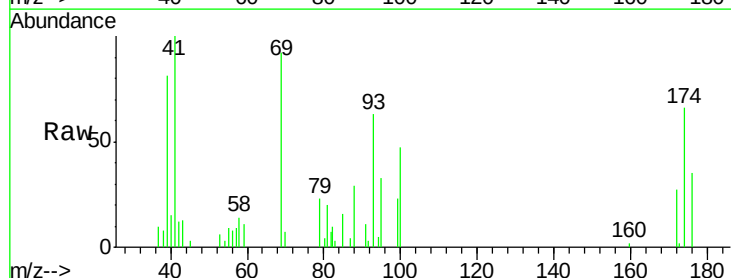
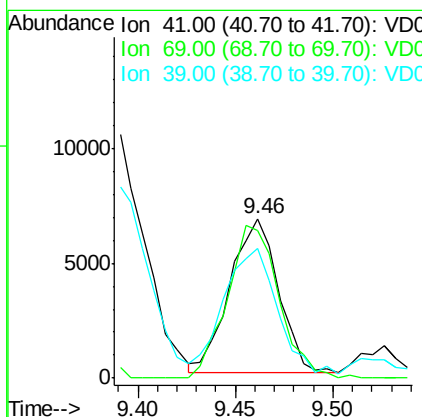
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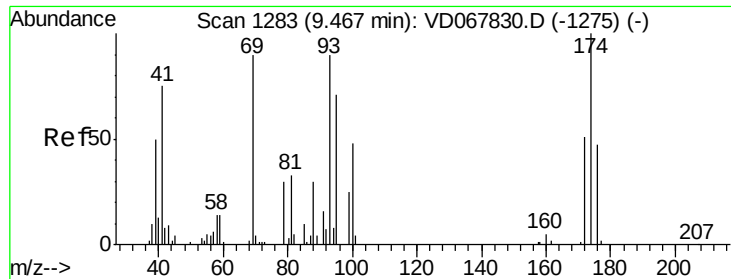
MMDadoda
12/10/2020 10:19:28 AM



#48
Methyl methacrylate
Concen: 18.358 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Tgt Ion	41	Resp	11562
Ion Ratio	100	Lower	Upper
41	100		
69	105.9	87.6	131.4
39	90.0	61.2	91.8





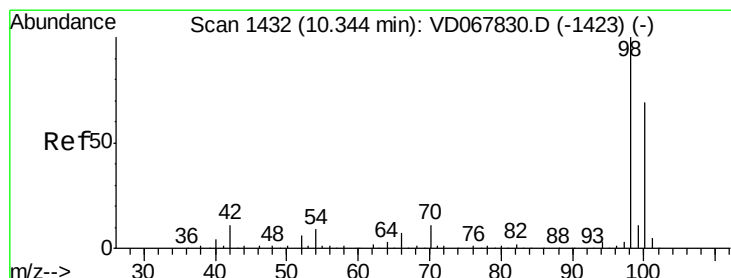
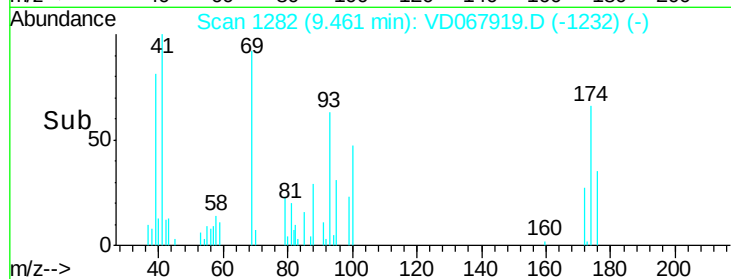
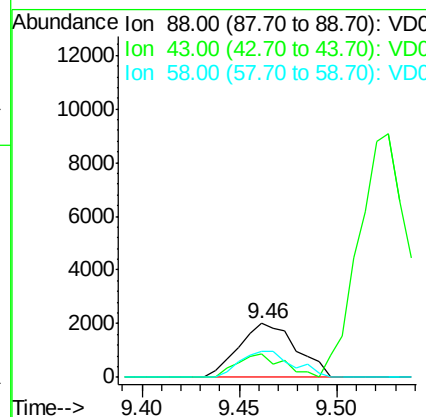
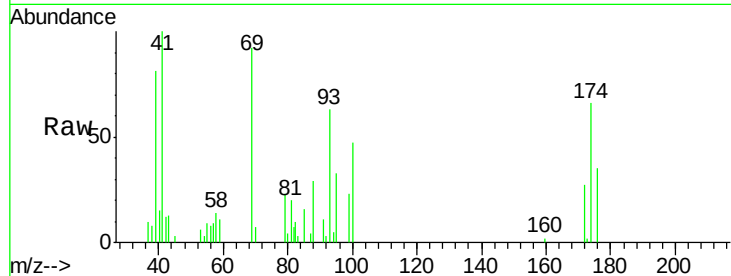
#49
1,4-Dioxane
Concen: 391.269 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.1	30.1	45.1
58	44.1	42.4	63.6

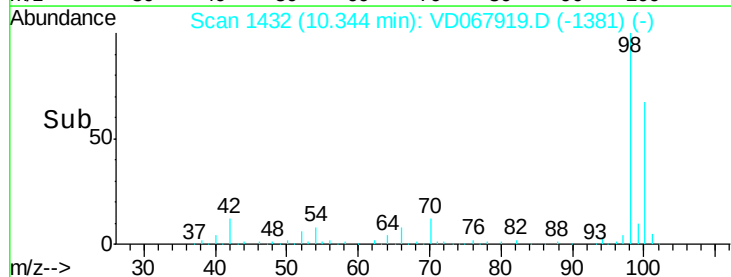
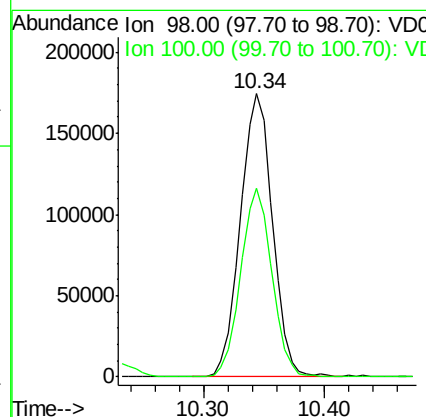
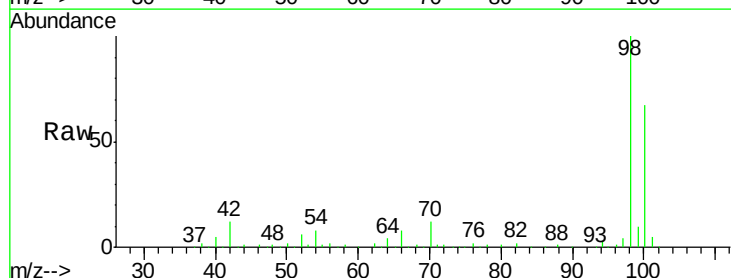
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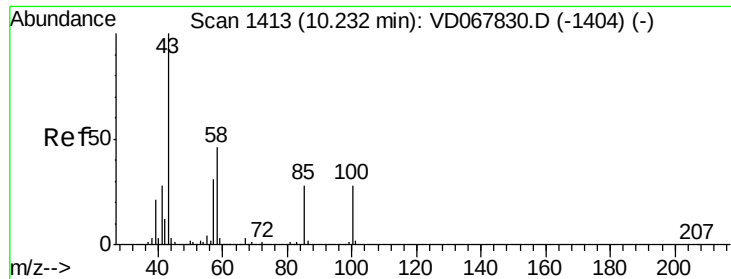
MMDadoda
12/10/2020 10:19:28 AM



#50
Toluene-d8
Concen: 49.896 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.9	79.3





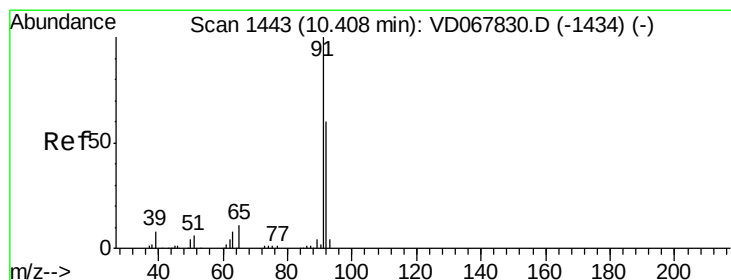
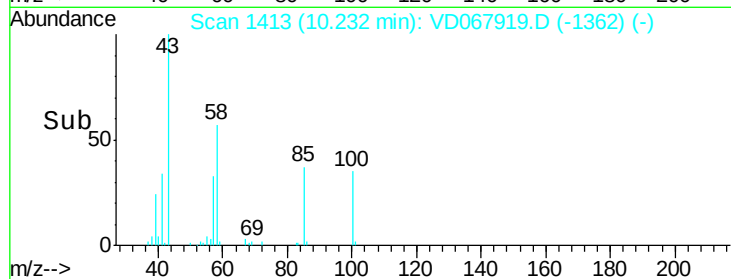
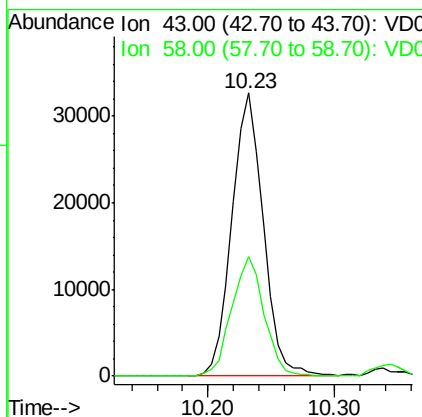
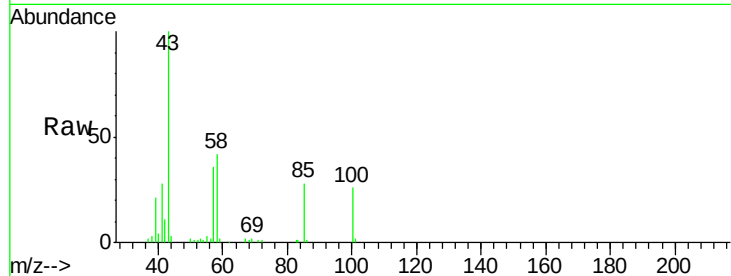
#51
4-Methyl-2-Pentanone
Concen: 95.386 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion: 43 Resp: 55993
Ion Ratio Lower Upper
43 100
58 43.4 35.7 53.5

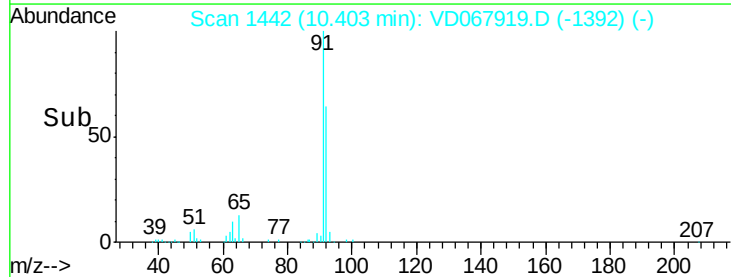
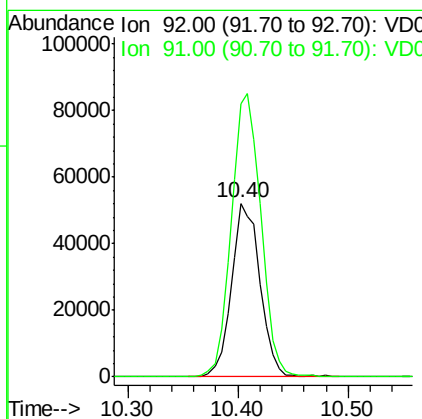
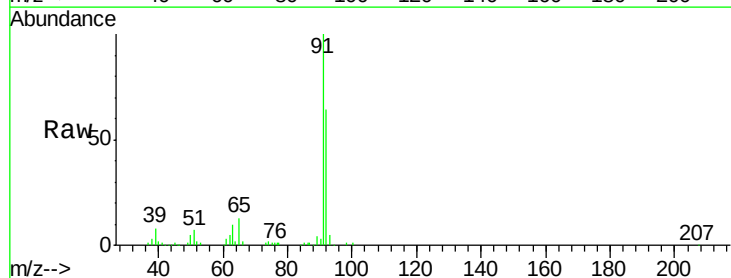
Manual Integrations
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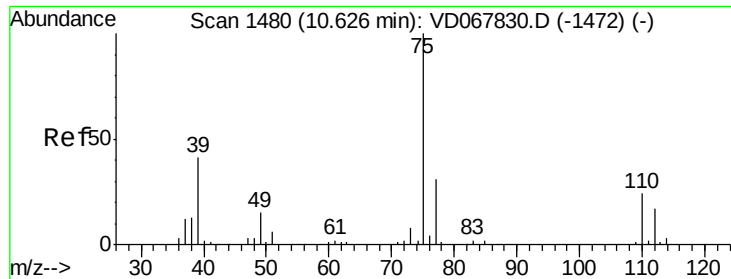
MMDadoda
12/10/2020 10:19:28 AM



#52
Toluene
Concen: 21.174 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Tgt Ion: 92 Resp: 94740
Ion Ratio Lower Upper
92 100
91 169.4 134.2 201.2





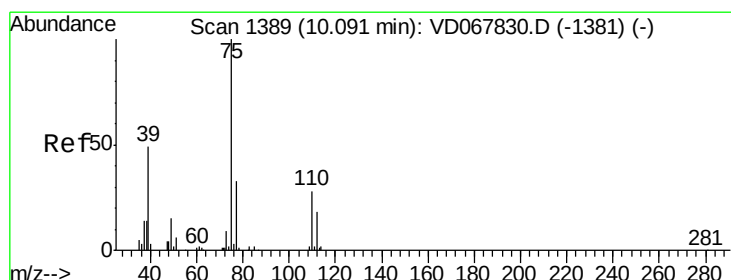
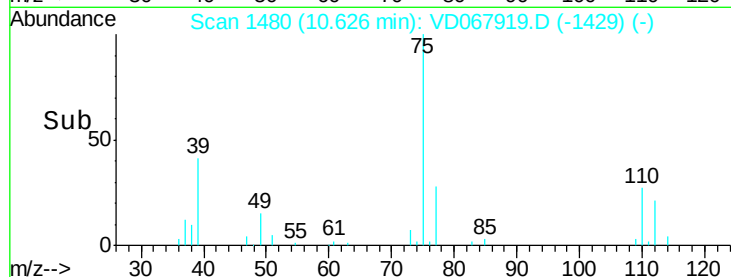
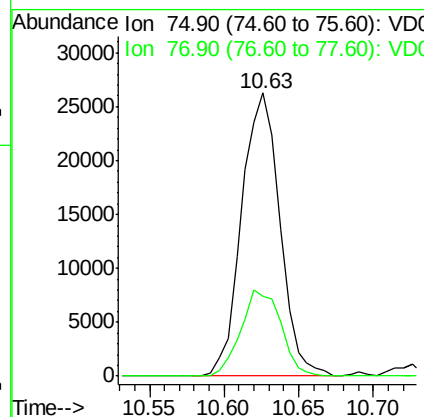
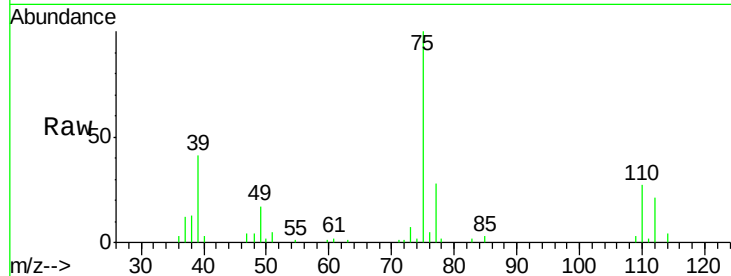
#53
t-1,3-Dichloropropene
Concen: 20.783 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion: 75 Resp: 46703
Ion Ratio Lower Upper
75 100
77 28.4 25.0 37.4

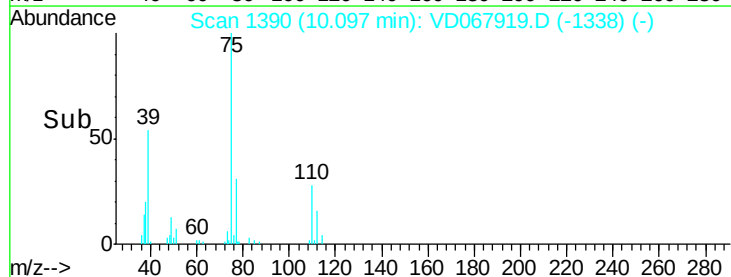
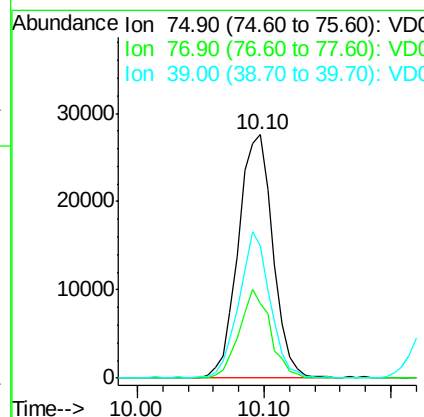
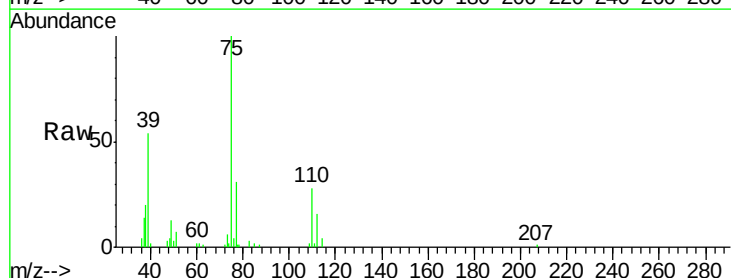
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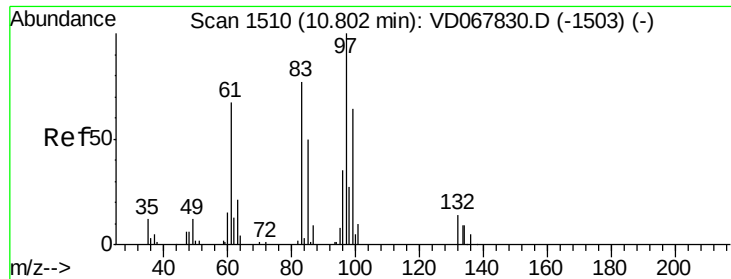
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 21.337 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Tgt Ion: 75 Resp: 52155
Ion Ratio Lower Upper
75 100
77 30.8 26.2 39.2
39 54.4 39.0 58.4





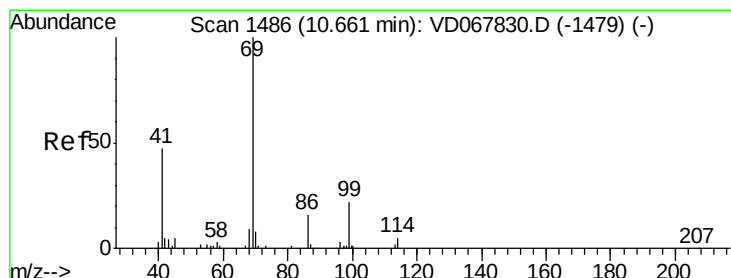
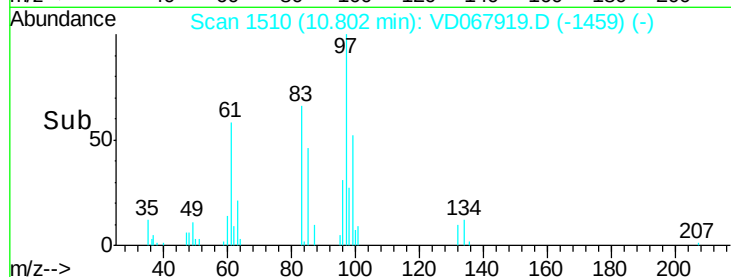
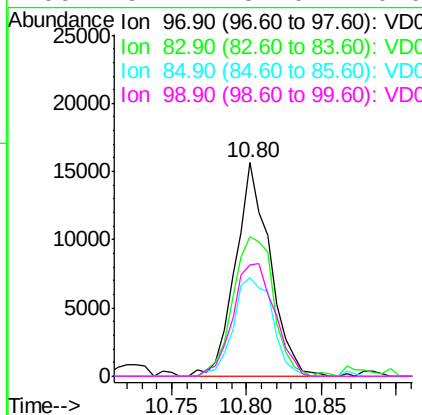
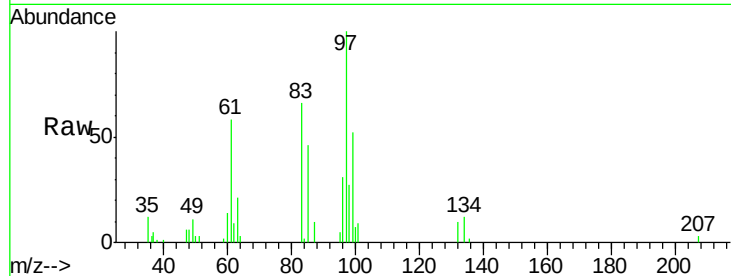
#55
 1,1,2-Trichloroethane
 Concen: 20.128 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067919.D
 Acq: 09 Dec 2020 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

Tot Ion	97	Resp	25156
Ion	Ratio	Lower	Upper
97	100		
83	65.6	61.9	92.9
85	46.1	40.2	60.4
99	52.4	51.0	76.6

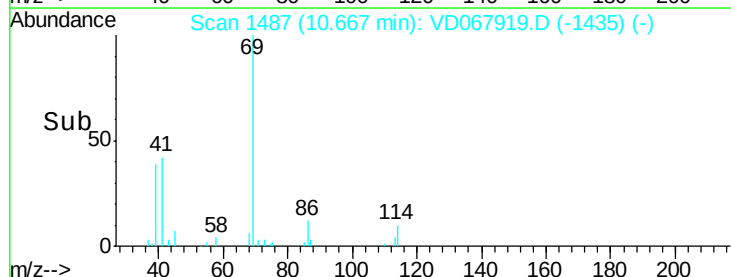
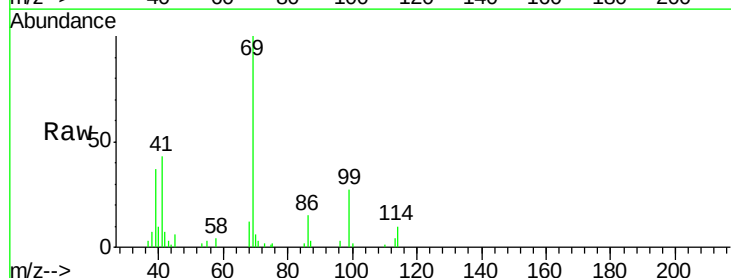
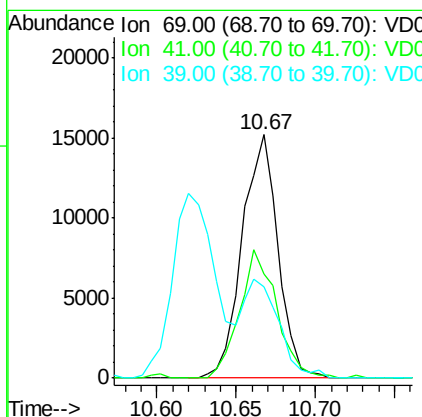
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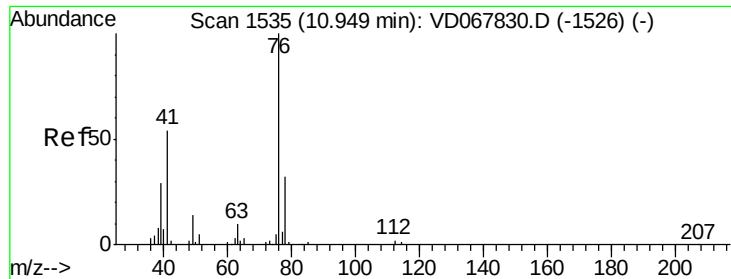
MMDadoda
 12/10/2020 10:19:28 AM



#56
 Ethyl methacrylate
 Concen: 18.696 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD067919.D
 Acq: 09 Dec 2020 11:10

Tgt Ion	69	Resp	23774
Ion	Ratio	Lower	Upper
69	100		
41	54.8	42.8	64.2
39	39.8	30.5	45.7





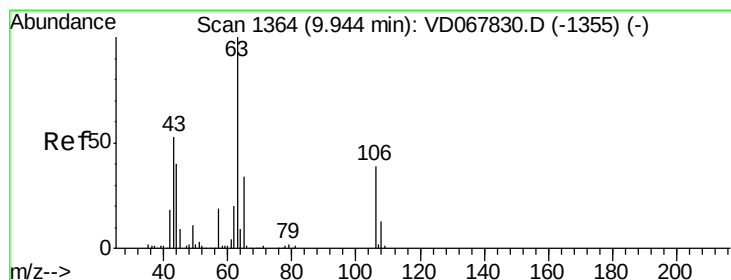
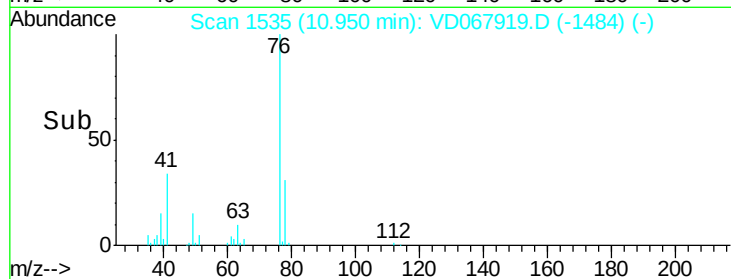
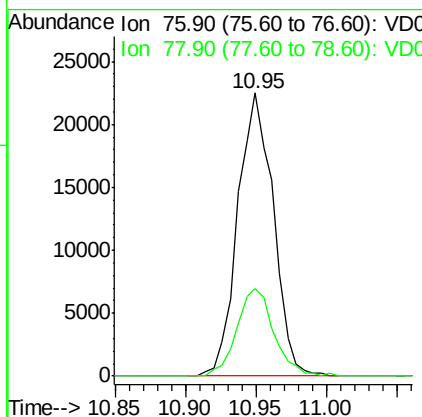
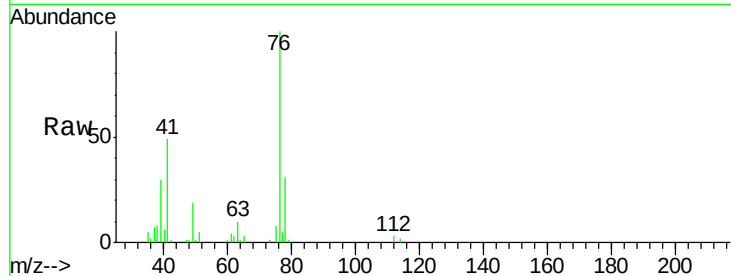
#57
 1,3-Dichloropropane
 Concen: 20.050 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067919.D
 Acq: 09 Dec 2020 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

Tot Ion: 76 Resp: 39694
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.6 39.8

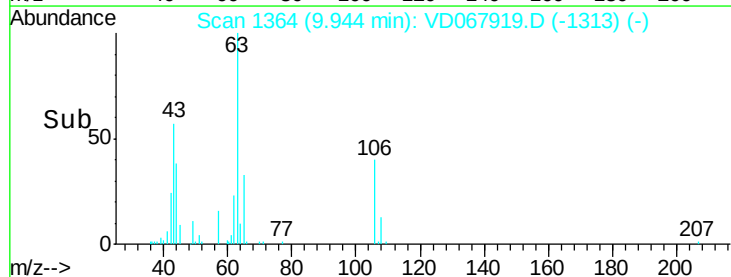
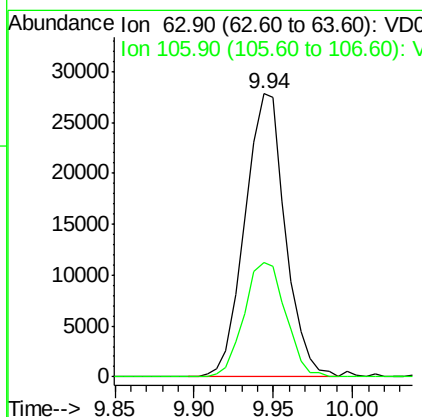
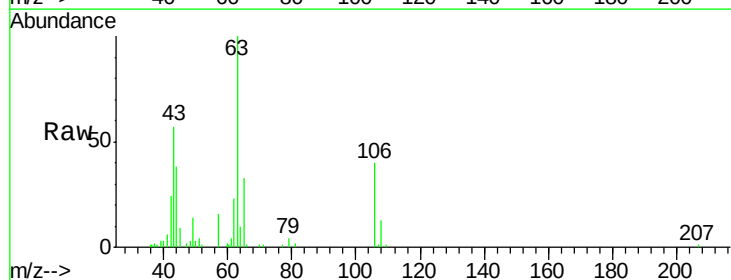
Manual Integrations
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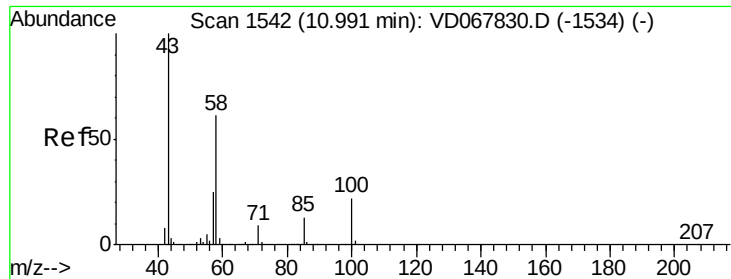
MMDadoda
 12/10/2020 10:19:28 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 85.280 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067919.D
 Acq: 09 Dec 2020 11:10

Tgt Ion: 63 Resp: 49345
 Ion Ratio Lower Upper
 63 100
 106 41.5 32.0 48.0





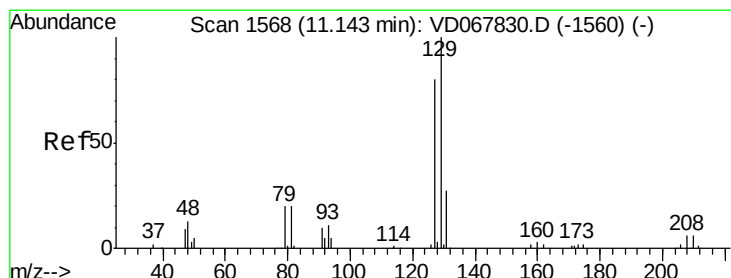
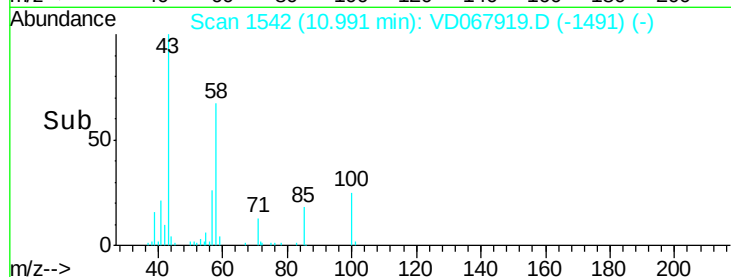
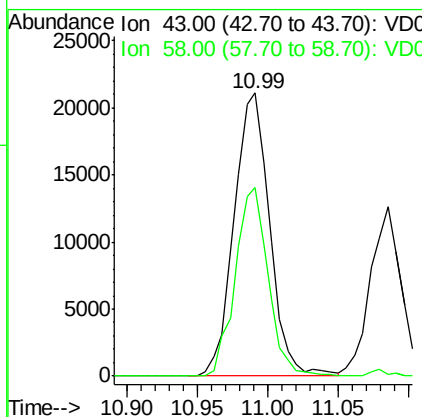
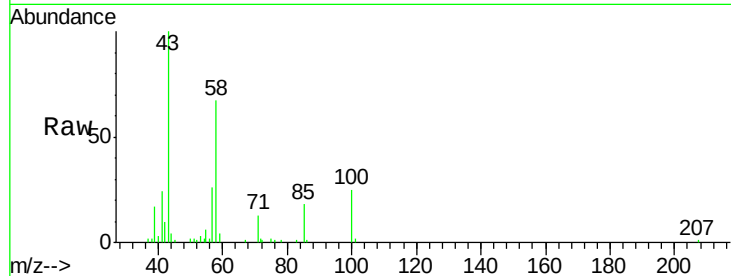
#59
2-Hexanone
Concen: 90.038 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion: 43 Resp: 37259
Ion Ratio Lower Upper
43 100
58 61.5 29.9 89.7

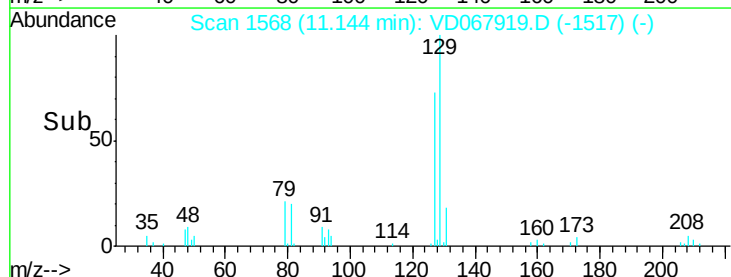
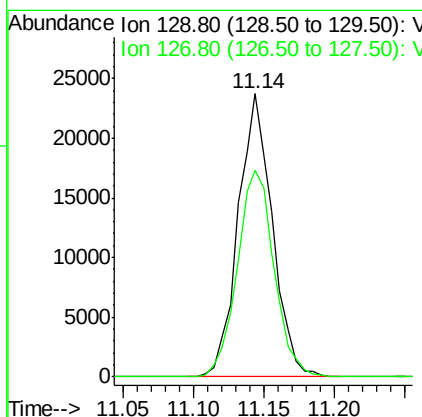
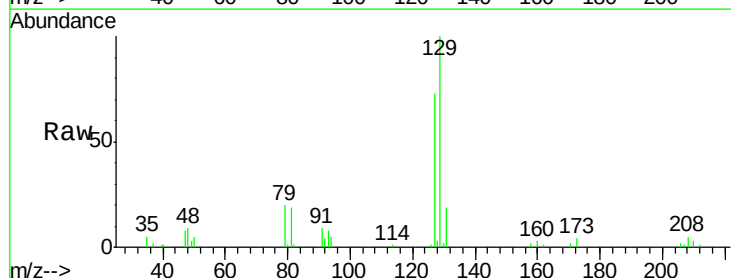
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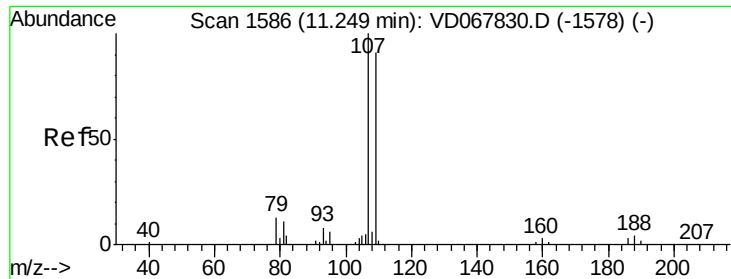
MMDadoda
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#60
Dibromochloromethane
Concen: 21.294 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Tgt Ion: 129 Resp: 40117
Ion Ratio Lower Upper
129 100
127 78.5 39.2 117.6





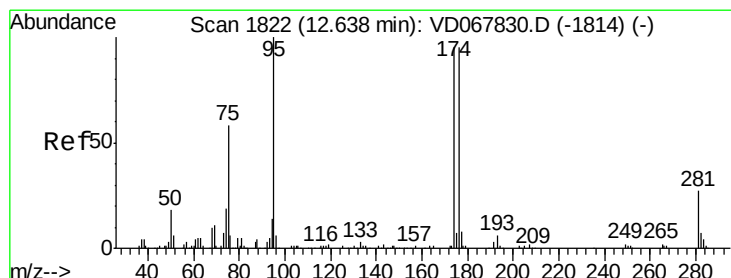
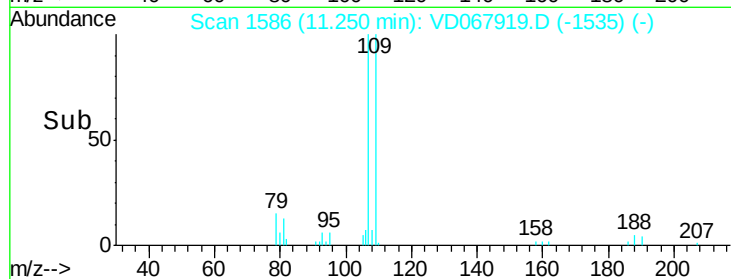
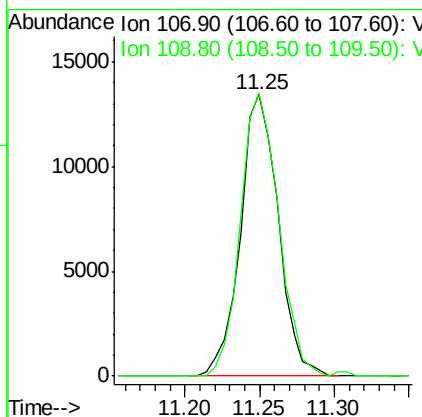
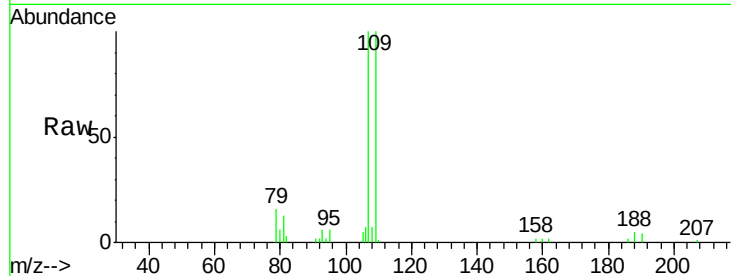
#61
 1,2-Dibromoethane
 Concen: 19.148 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067919.D
 Acq: 09 Dec 2020 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	101.6	75.9	113.9

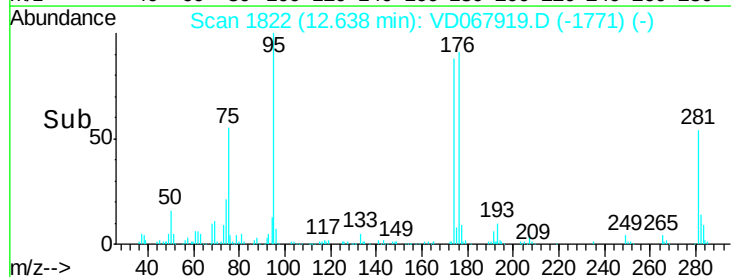
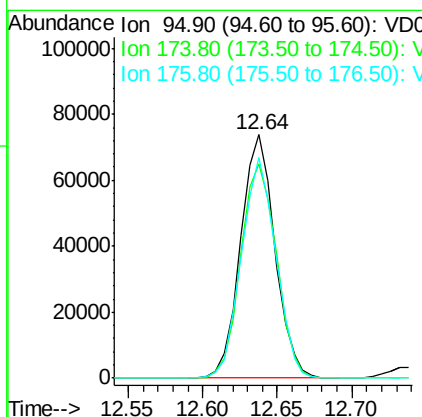
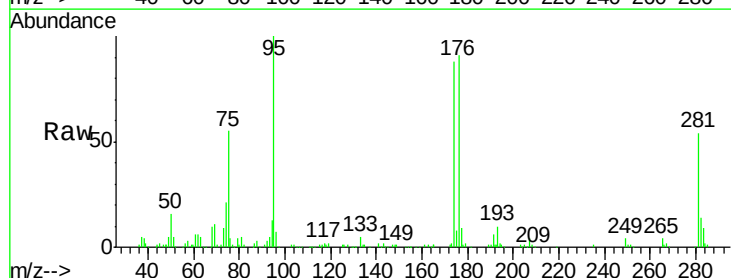
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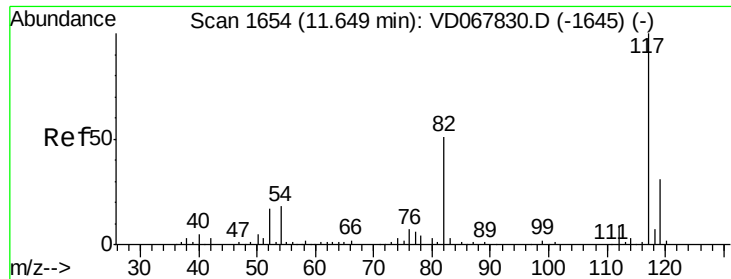
MMDadoda
 12/10/2020 10:19:28 AM



#62
 4-Bromofluorobenzene
 Concen: 52.240 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067919.D
 Acq: 09 Dec 2020 11:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.5	0.0	186.0
176	90.8	0.0	184.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

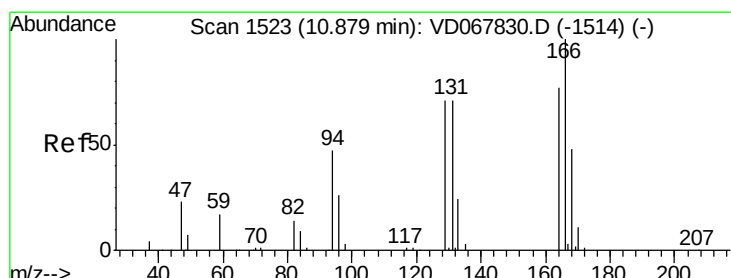
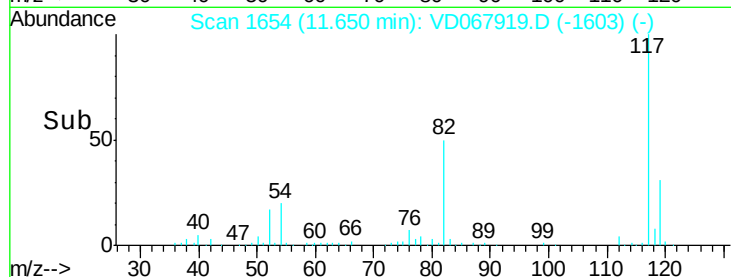
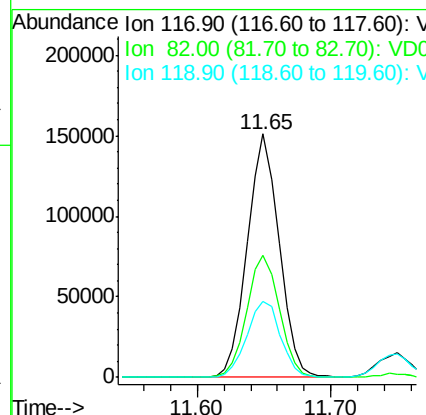
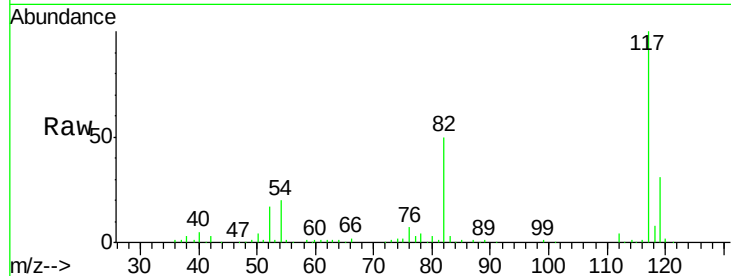
ClientSampleId :

VD1209SBS01

Tot Ion:	117	Resp:	249112
Ion Ratio	Lower	Upper	
117	100		
82	50.3	40.6	60.8
119	31.0	25.1	37.7

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#64

Tetrachloroethene

Concen: 21.090 ug/l

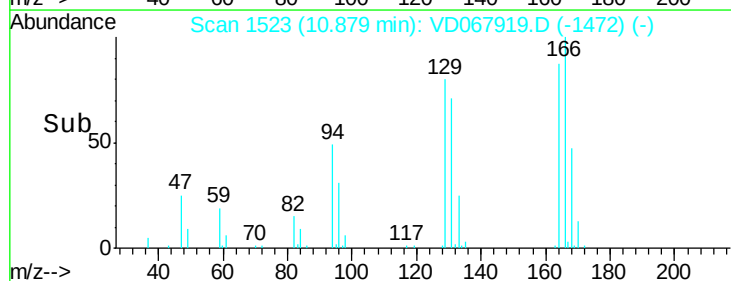
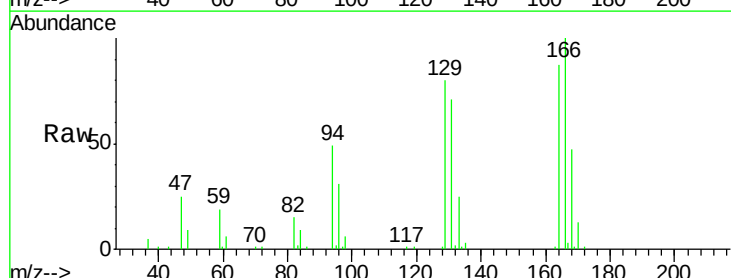
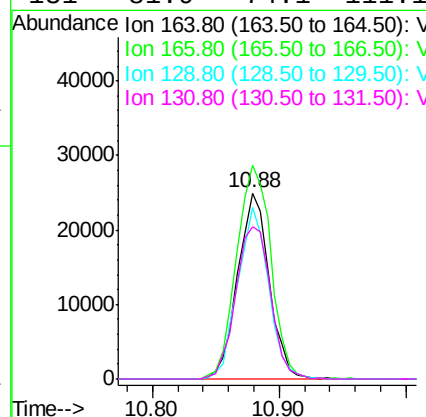
RT: 10.88 min Scan# 1523

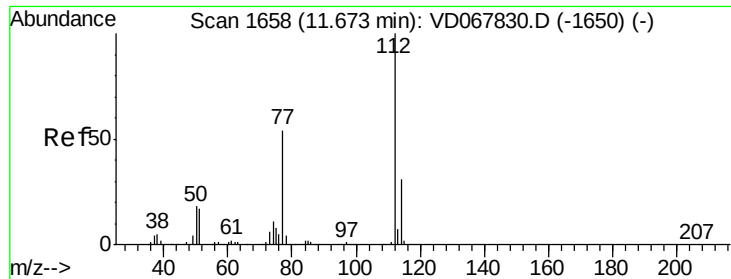
Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Tgt Ion:	164	Resp:	42855
Ion Ratio	Lower	Upper	
164	100		
166	114.7	103.8	155.6
129	92.3	73.3	109.9
131	81.9	74.1	111.1





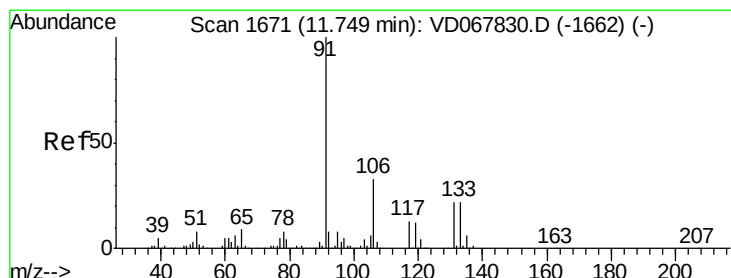
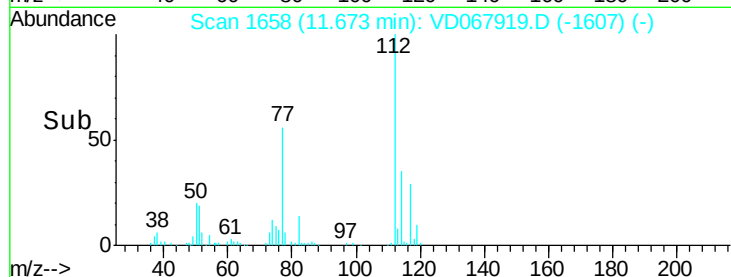
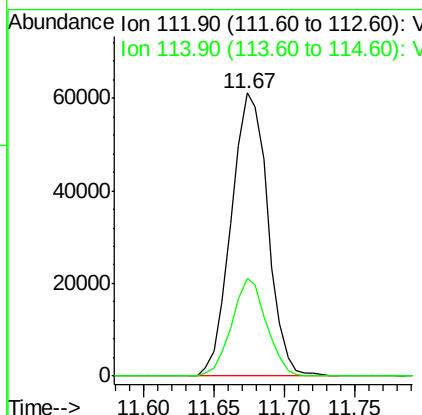
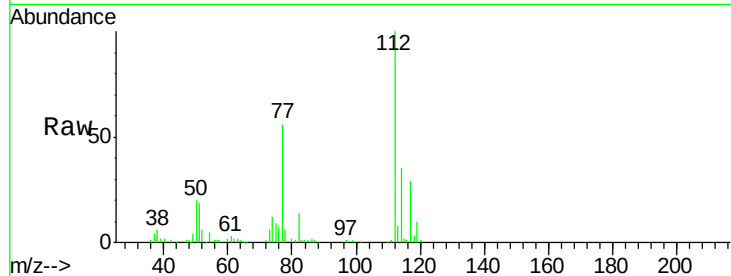
#65
Chlorobenzene
Concen: 21.510 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion:112 Resp: 110562
Ion Ratio Lower Upper
112 100
114 34.7 25.0 37.4

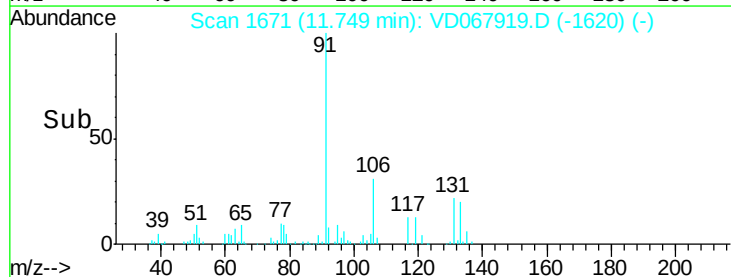
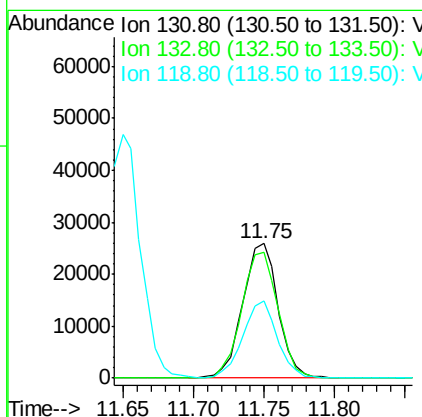
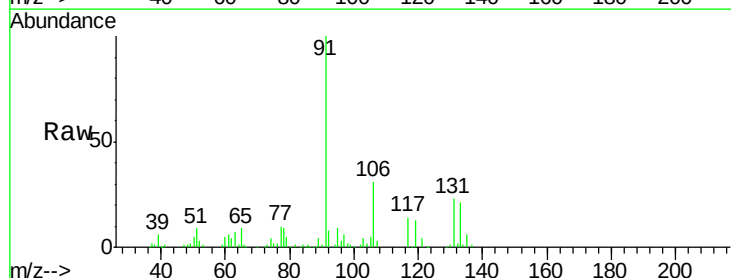
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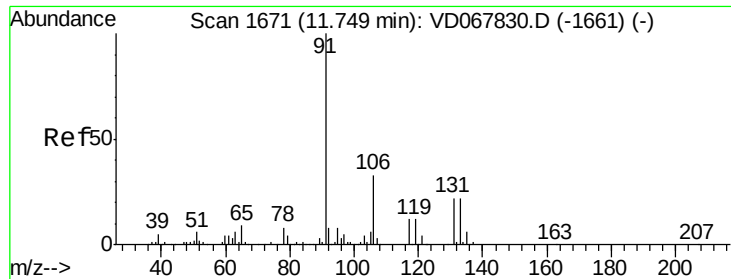
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.692 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Tgt Ion:131 Resp: 45477
Ion Ratio Lower Upper
131 100
133 96.4 49.9 149.7
119 56.2 29.6 88.9





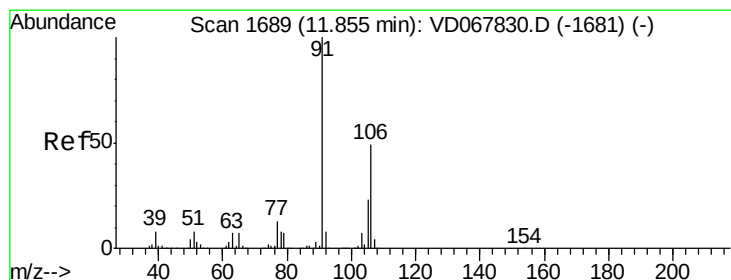
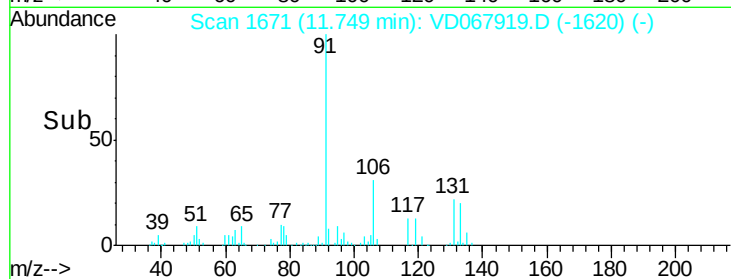
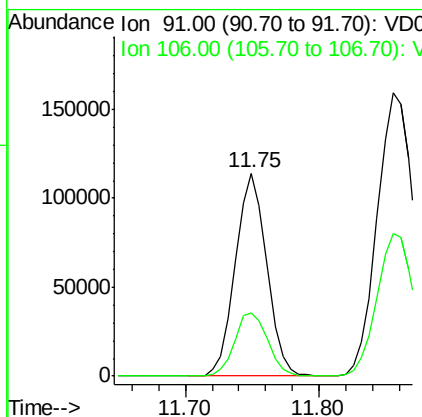
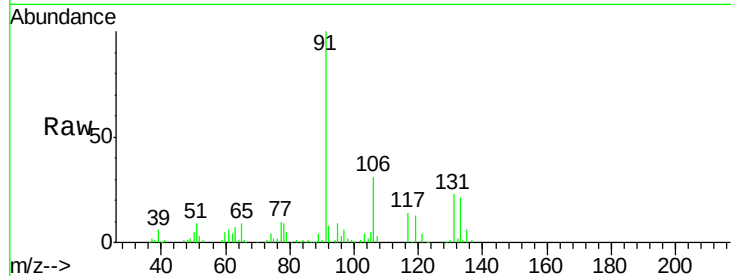
#67
Ethyl Benzene
Concen: 21.302 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.4	26.2	39.2

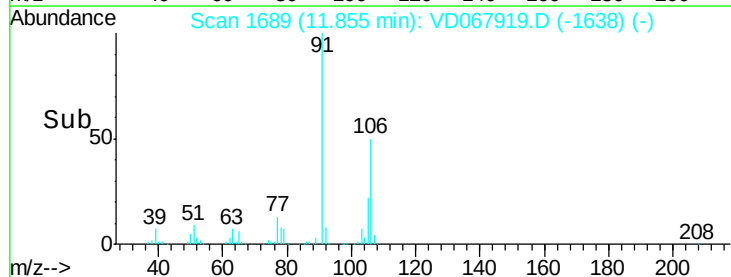
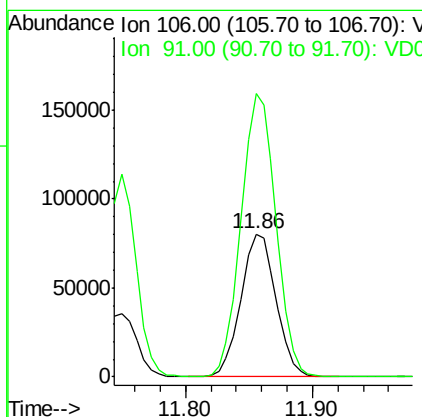
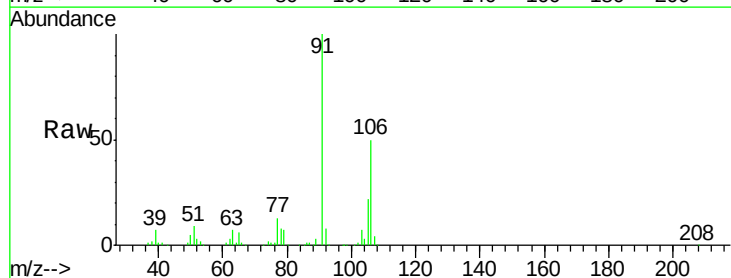
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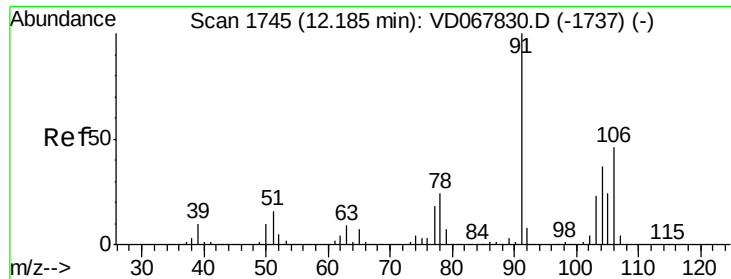
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#68
m/p-Xylenes
Concen: 44.640 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Tgt Ion	Ratio	Lower	Upper
106	100		
91	197.3	162.8	244.2





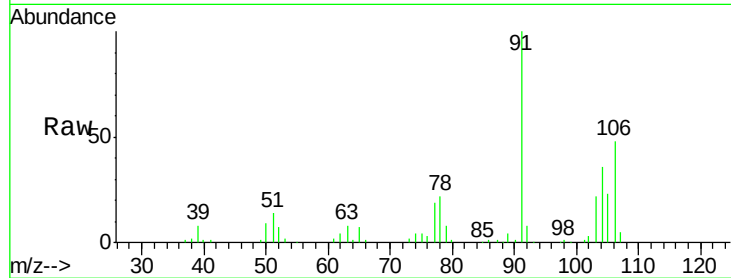
#69
o-Xylene
Concen: 22.390 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

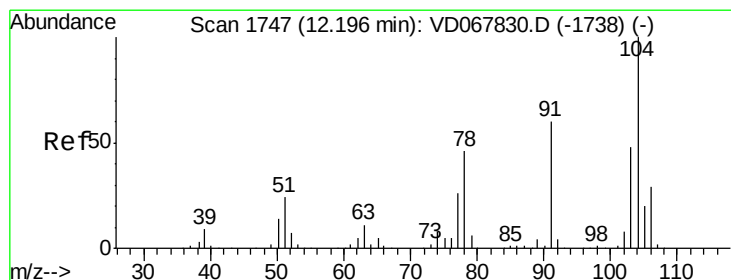
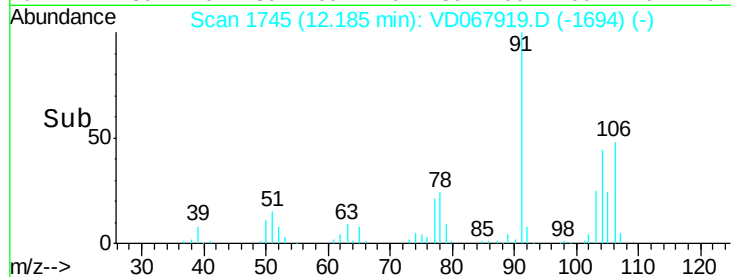
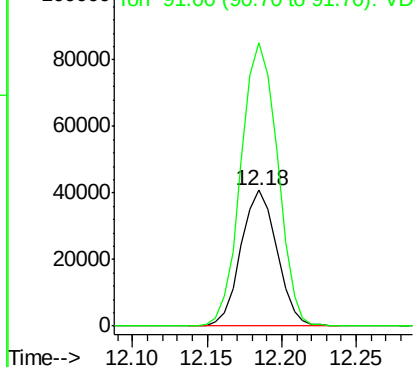
Tot Ion:106 Resp: 68629
Ion Ratio Lower Upper
106 100
91 211.2 107.5 322.5

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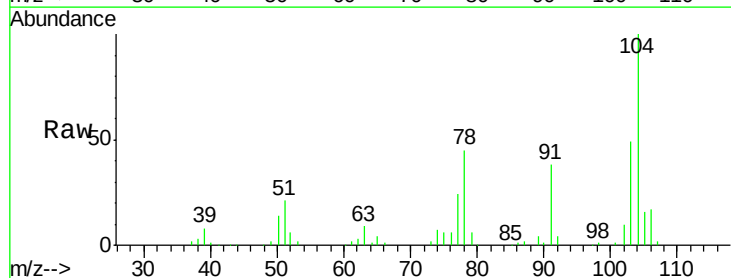


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

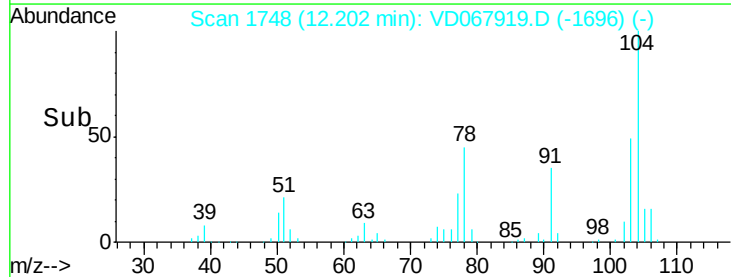
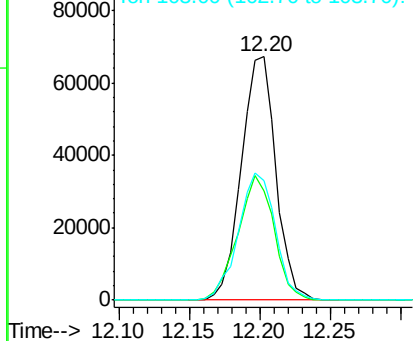


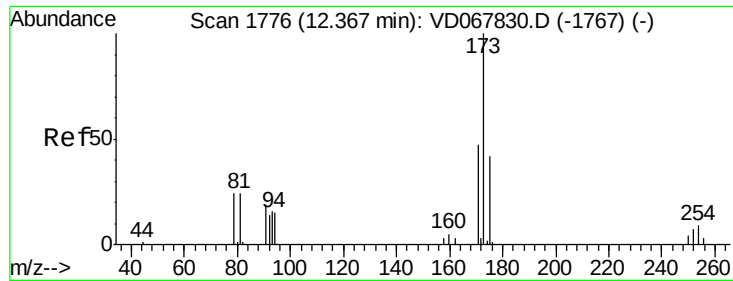
#70
Styrene
Concen: 21.657 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Tgt Ion:104 Resp: 115431
Ion Ratio Lower Upper
104 100
78 53.7 41.6 62.4
103 56.1 43.2 64.8



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





#71

Bromoform

Concen: 21.070 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

Tot Ion:173 Resp: 23382

Ion Ratio Lower Upper

173 100

175 45.6 23.4 70.3

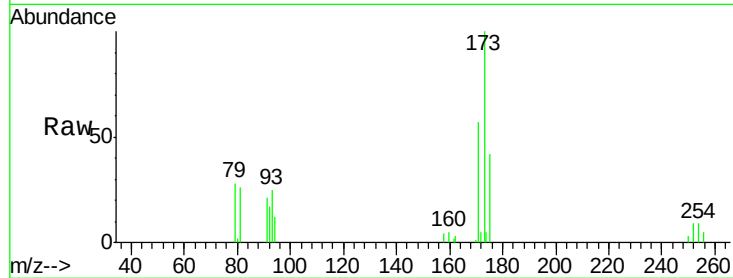
254 0.0 0.1 0.1#

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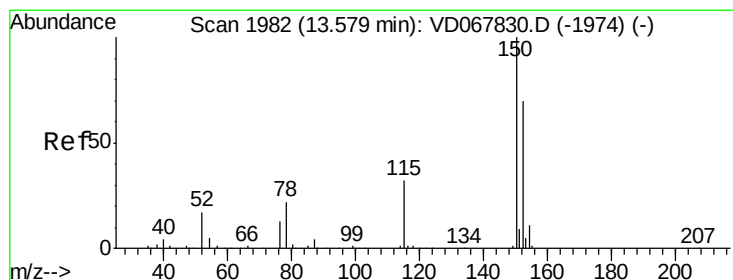
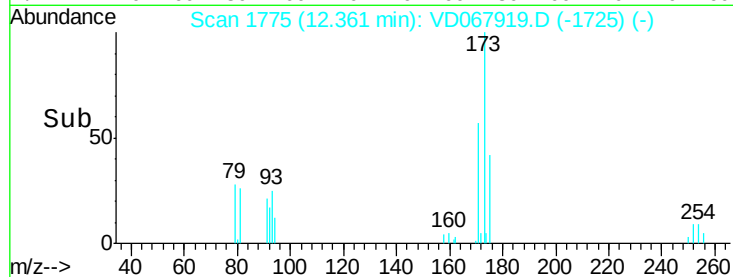
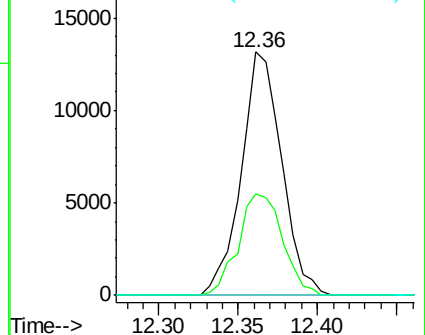
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

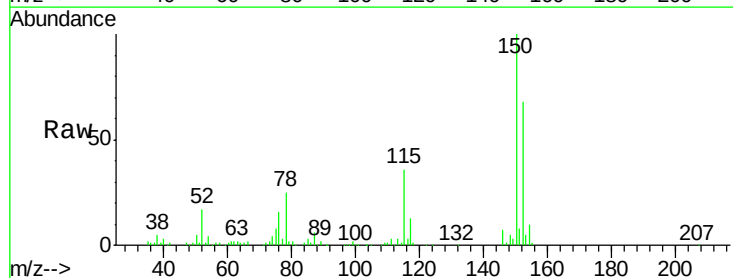
Tgt Ion:152 Resp: 130705

Ion Ratio Lower Upper

152 100

115 59.4 29.1 87.4

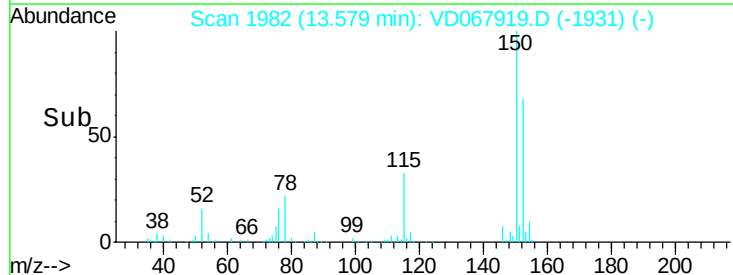
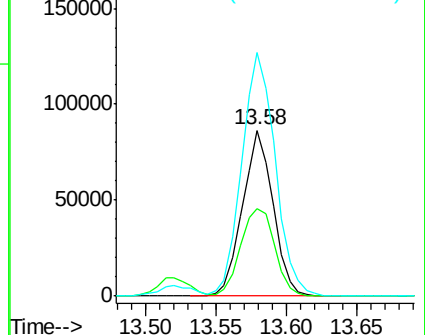
150 161.5 0.0 339.0

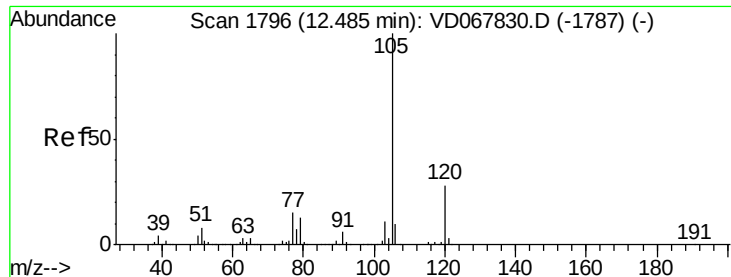


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.964 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

Tot Ion:105 Resp: 197425

Ion Ratio Lower Upper

105 100

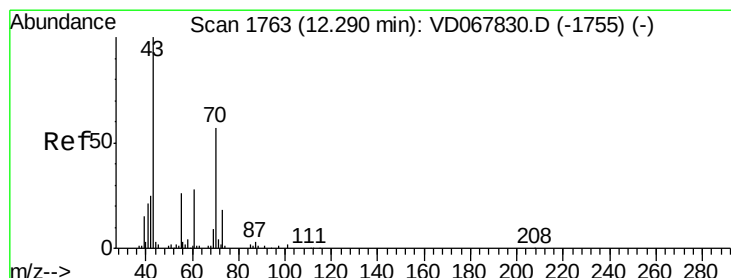
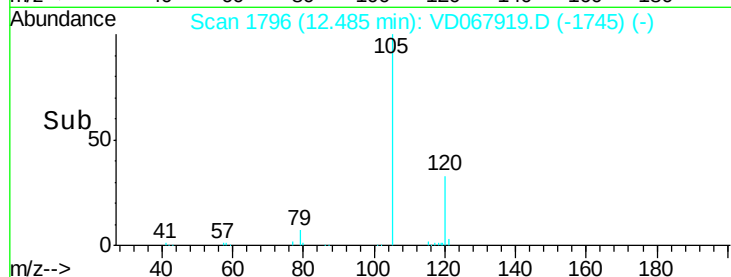
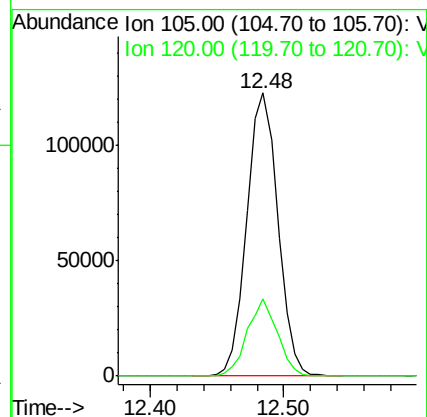
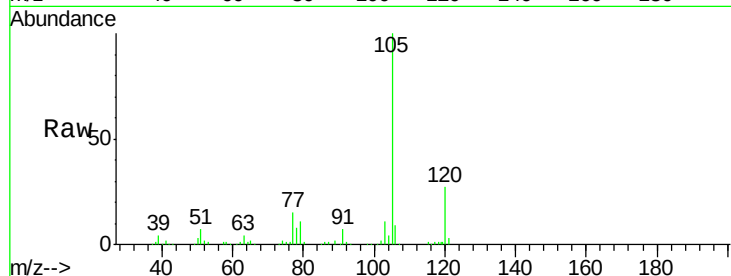
120 26.5 13.9 41.6

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#74

N-ethyl acetate

Concen: 19.155 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Tgt Ion: 43 Resp: 21297

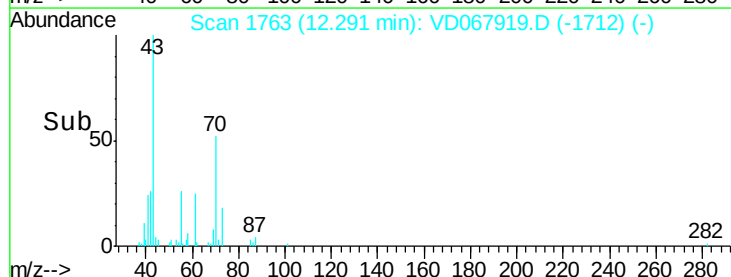
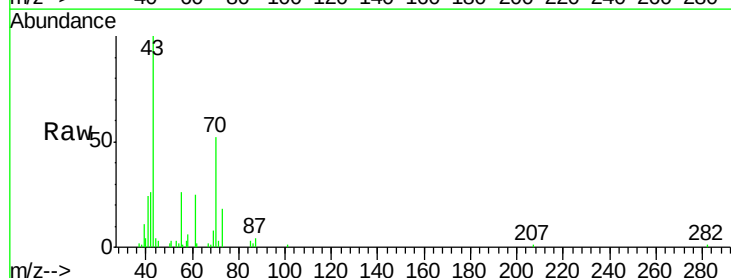
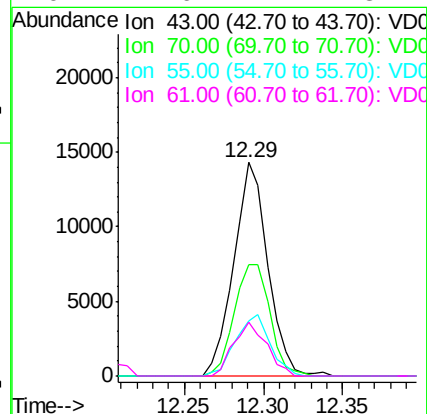
Ion Ratio Lower Upper

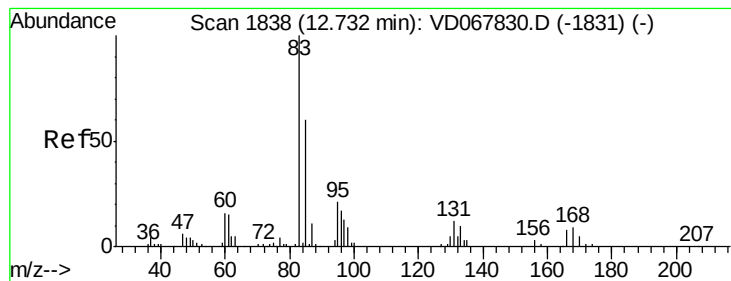
43 100

70 54.7 44.6 66.8

55 29.2 22.2 33.2

61 24.6 22.7 34.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.262 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

Tot Ion: 83 Resp: 22858

Ion Ratio Lower Upper

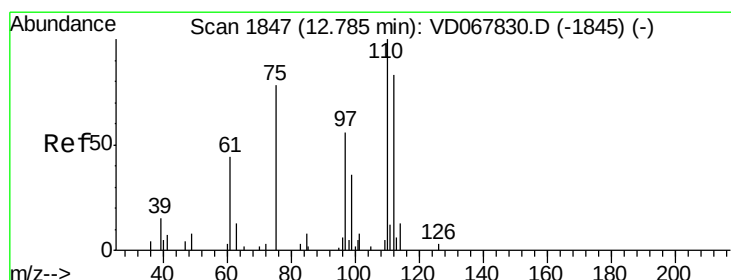
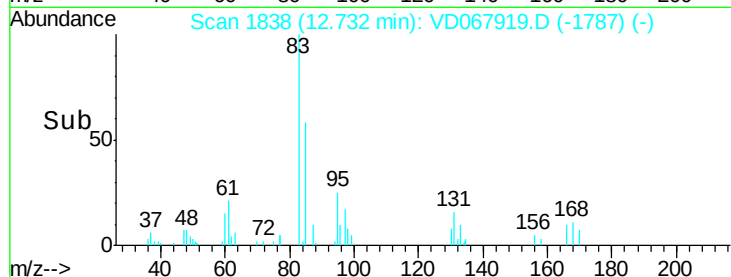
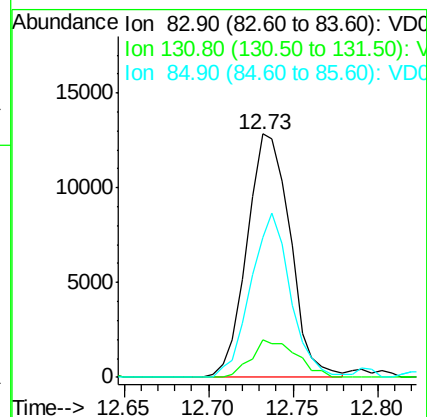
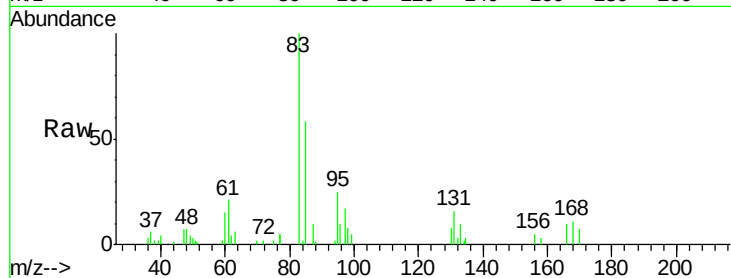
83 100

131 16.1 8.0 24.0

85 62.6 31.7 95.1

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#76

1,2,3-Trichloropropane

Concen: 19.154 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD067919.D

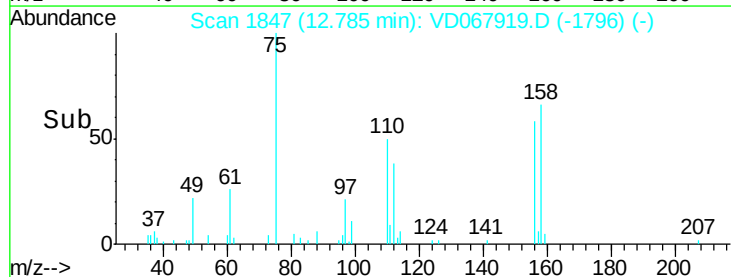
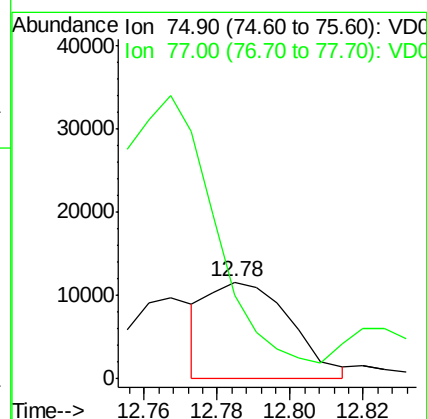
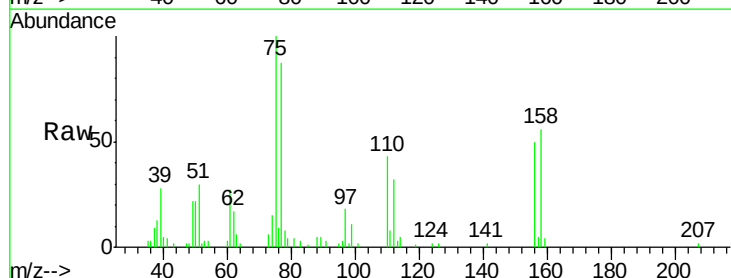
Acq: 09 Dec 2020 11:10

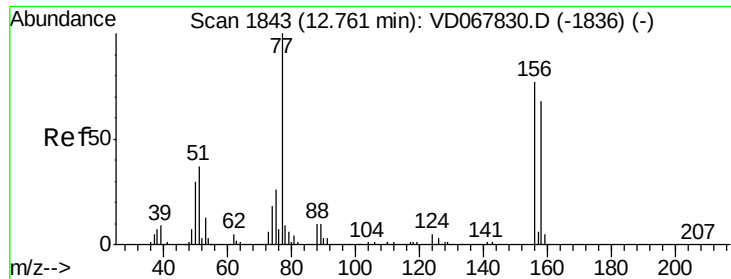
Tgt Ion: 75 Resp: 18231

Ion Ratio Lower Upper

75 100

77 369.9 175.9 527.7





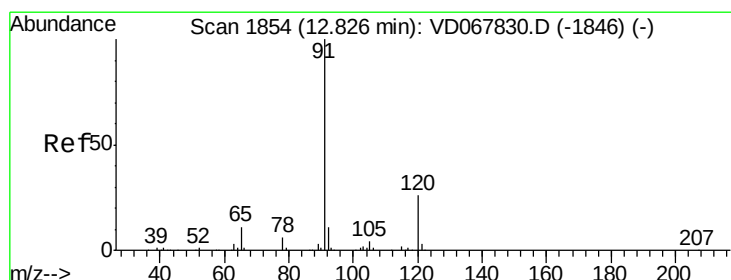
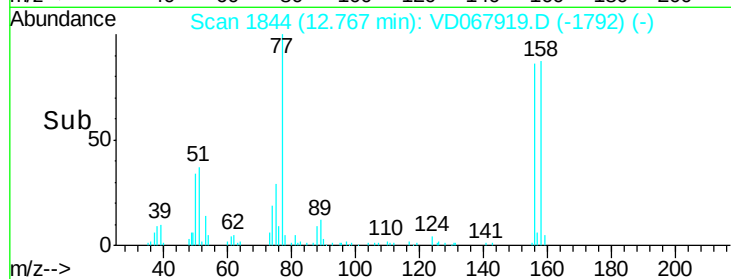
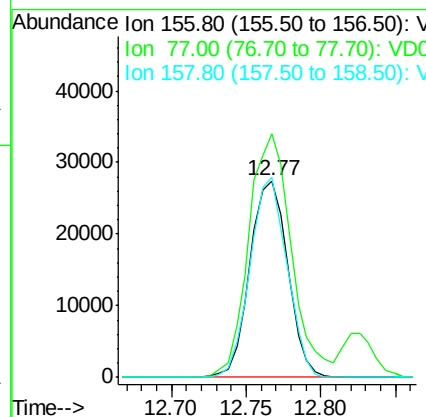
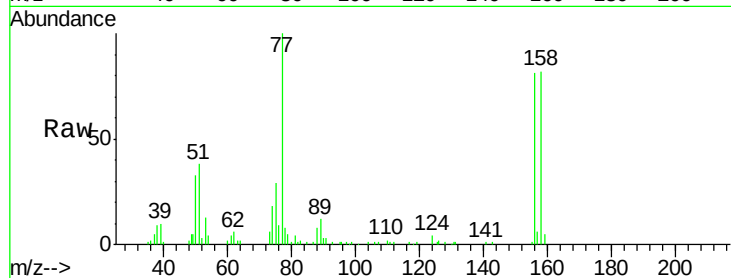
#77
Bromobenzene
Concen: 21.531 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion:156 Resp: 48114
Ion Ratio Lower Upper
156 100
77 140.1 71.5 214.5
158 99.1 47.1 141.4

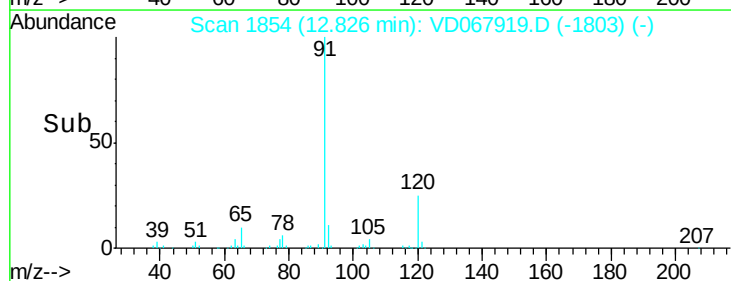
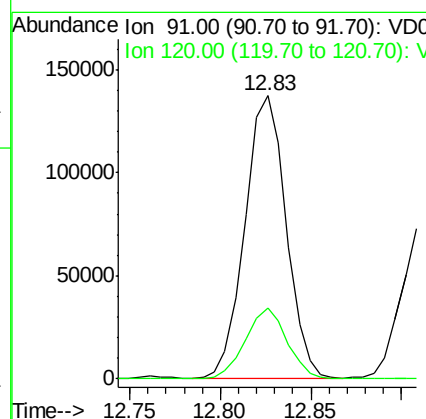
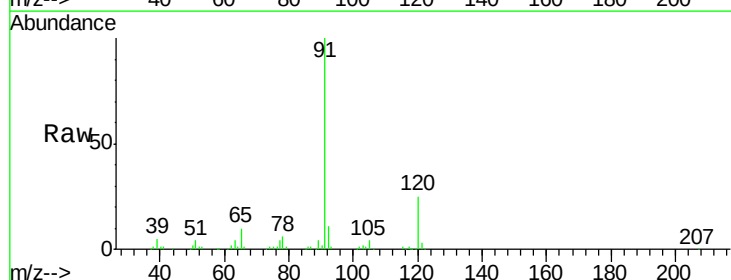
Manual Integrations
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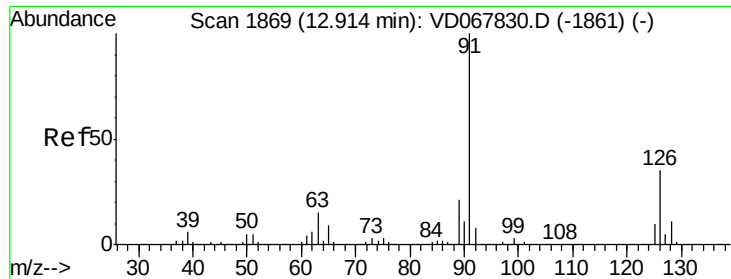
MMDadoda
12/10/2020 10:19:28 AM



#78
n-propylbenzene
Concen: 21.715 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Tgt Ion: 91 Resp: 216336
Ion Ratio Lower Upper
91 100
120 25.3 12.7 38.0





#79

2-Chlorotoluene

Concen: 21.445 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

Tot Ion: 91 Resp: 125684

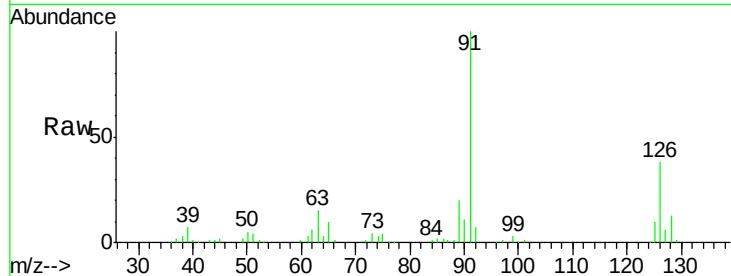
Ion Ratio Lower Upper

91 100

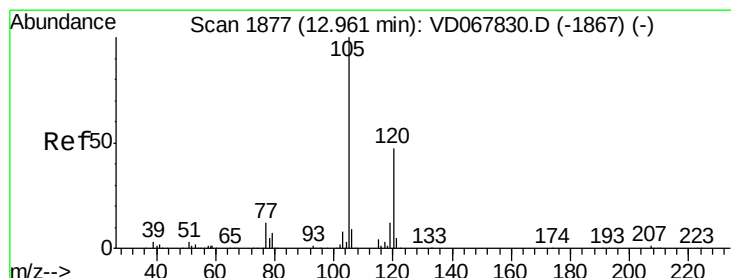
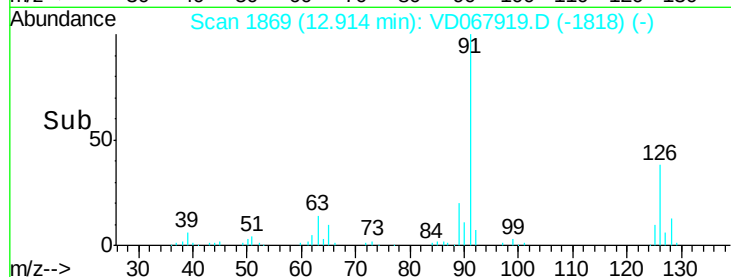
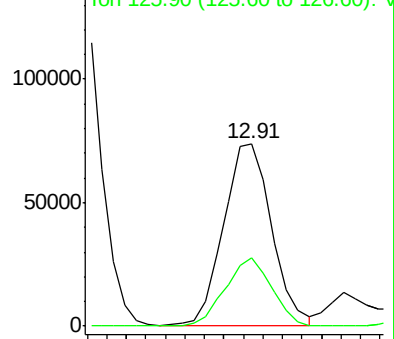
126 36.5 17.9 53.7

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Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 22.530 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD067919.D

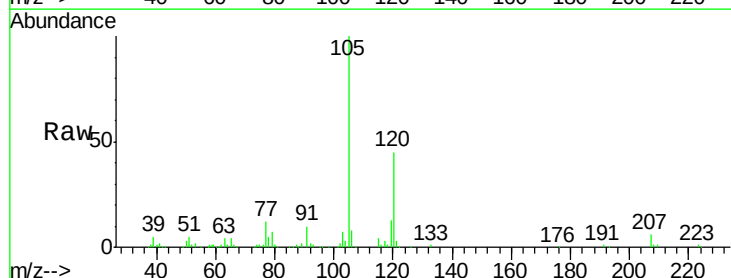
Acq: 09 Dec 2020 11:10

Tgt Ion:105 Resp: 175334

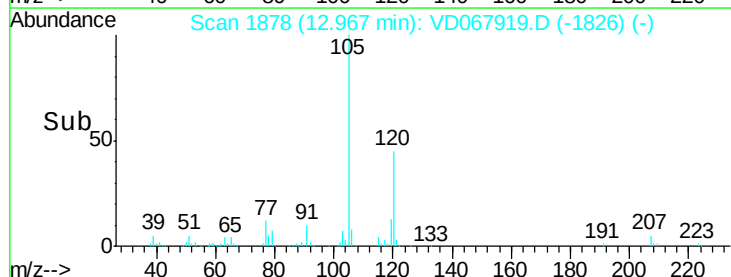
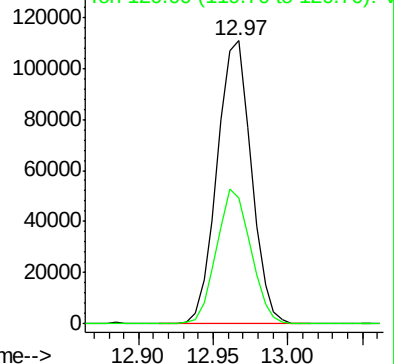
Ion Ratio Lower Upper

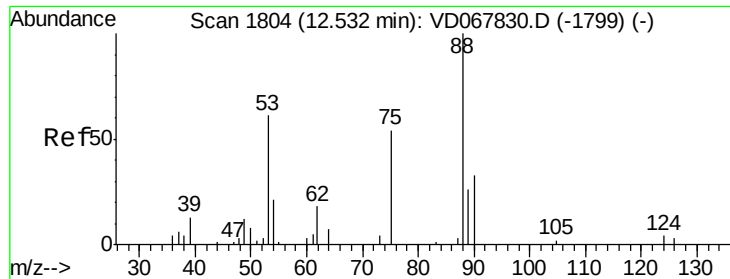
105 100

120 47.6 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V





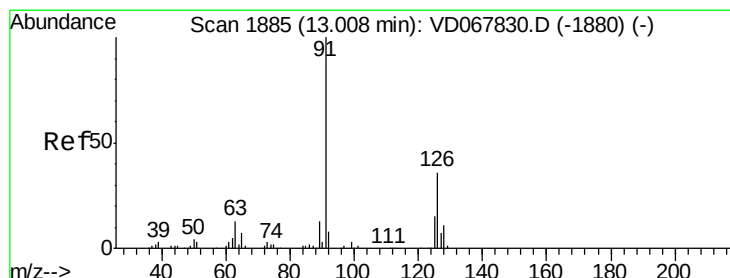
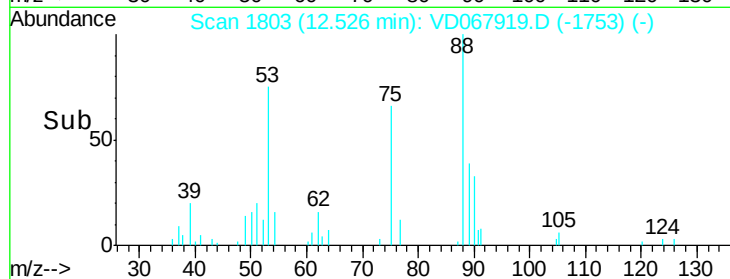
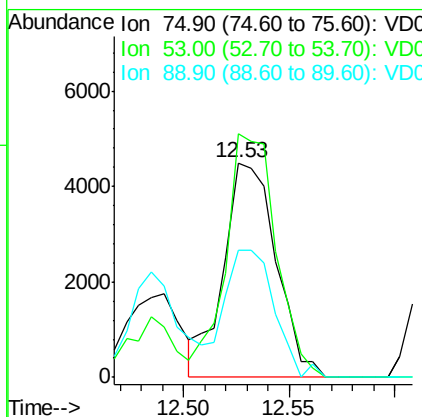
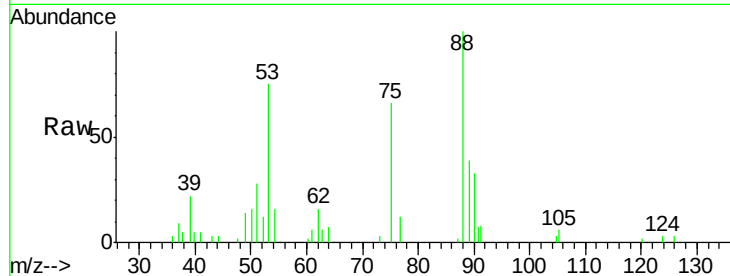
#81
trans-1,4-Dichloro-2-butene
Concen: 19.479 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.7	84.6	127.0
89	56.7	41.0	61.6

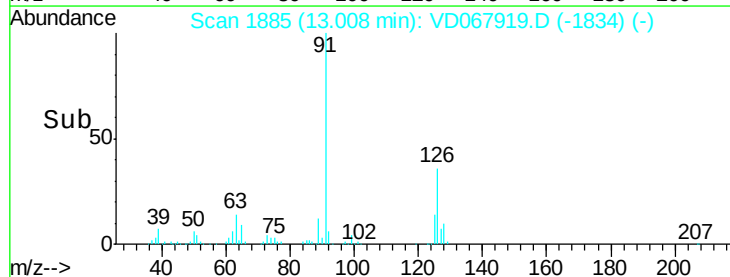
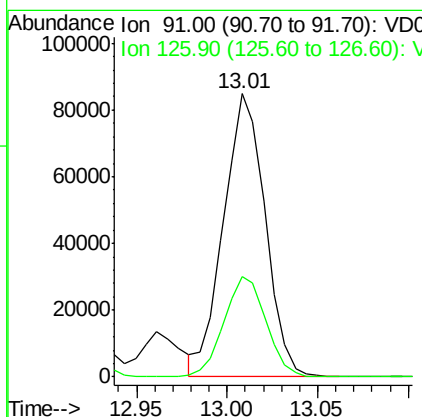
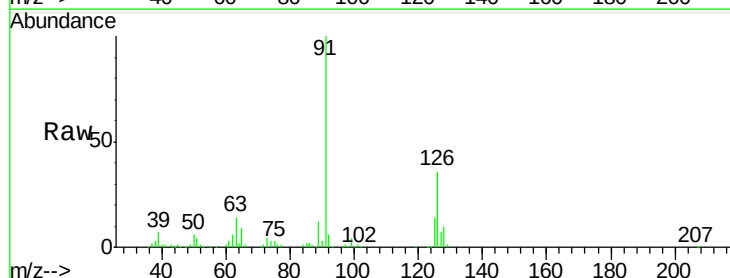
Manual Integrations
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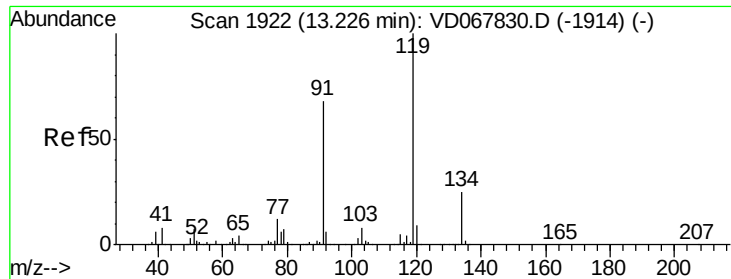
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.655 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	18.1	54.4





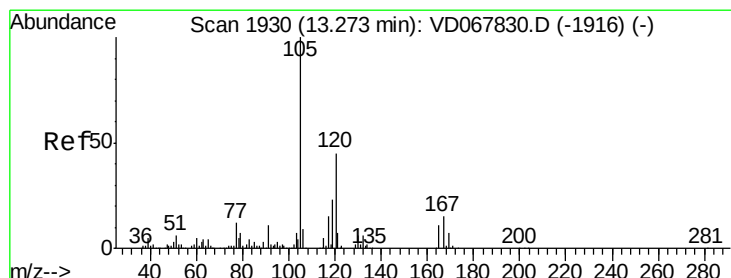
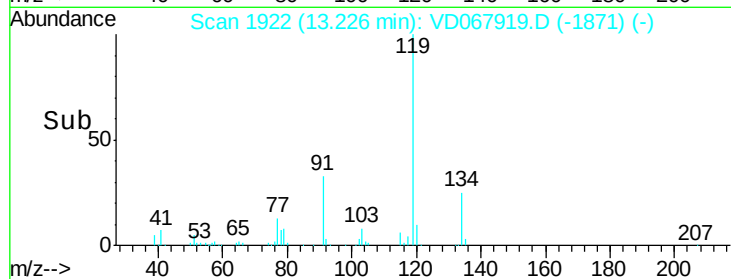
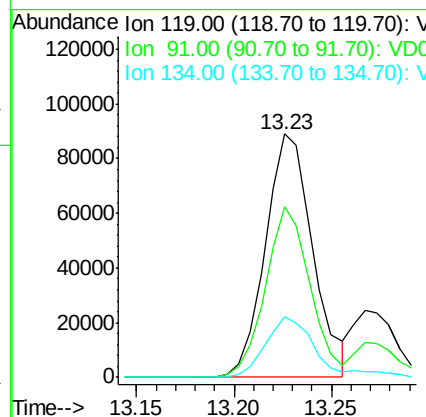
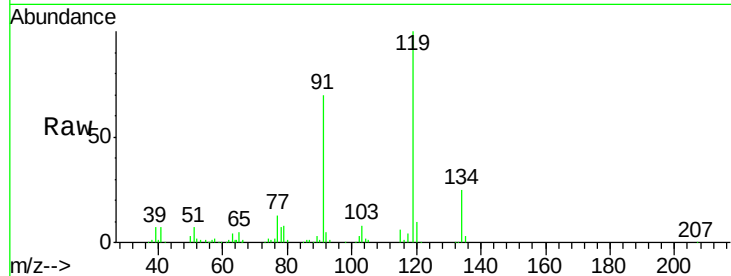
#83
tert-Butylbenzene
Concen: 22.558 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.9	33.1	99.3
134	26.7	13.6	40.8

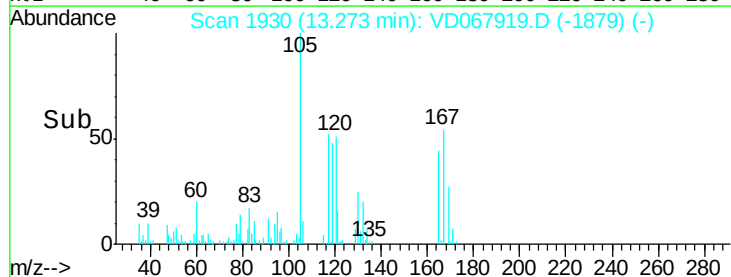
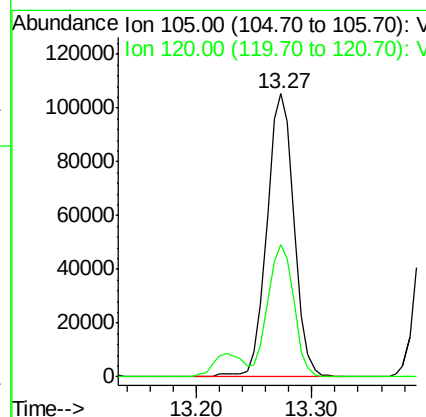
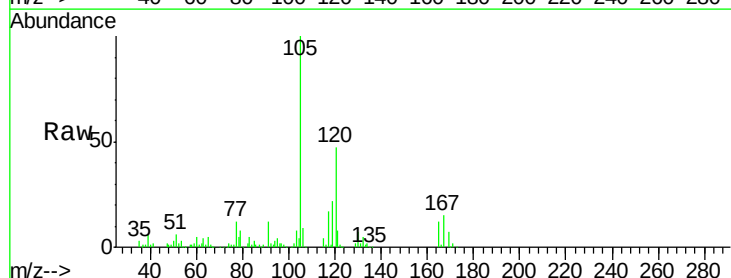
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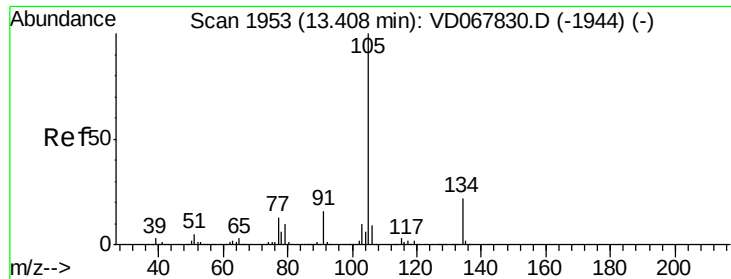
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#84
1,2,4-Trimethylbenzene
Concen: 22.261 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.1	66.5





#85

sec-Butylbenzene

Concen: 21.260 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

ClientSampled :

VD1209SBS01

Tot Ion:105 Resp: 187915

Ion Ratio Lower Upper

105 100

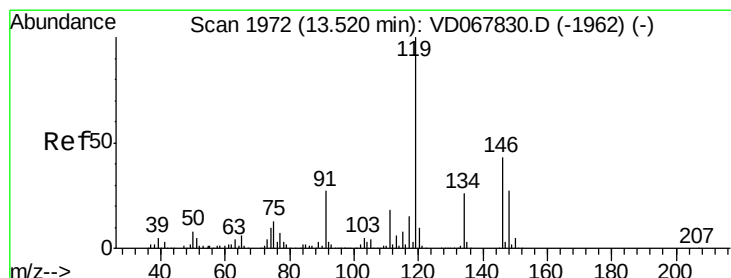
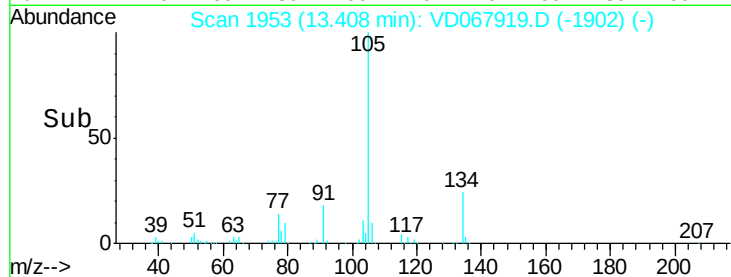
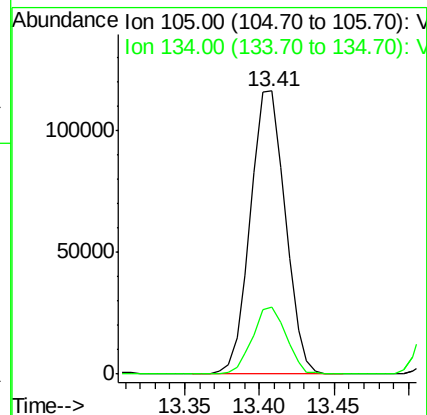
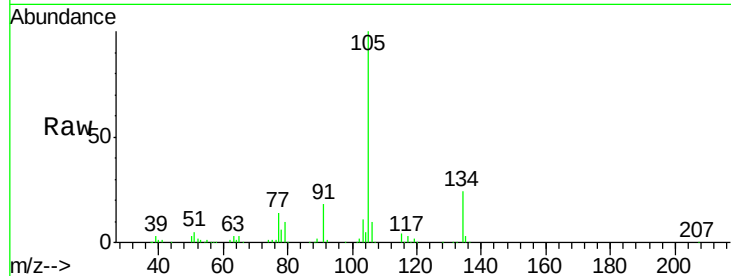
134 23.1 10.9 32.9

Manual Integrations

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12/10/2020 10:19:28 AM



#86

p-Isopropyltoluene

Concen: 21.920 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

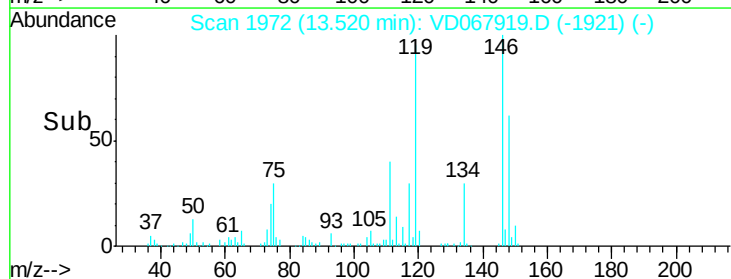
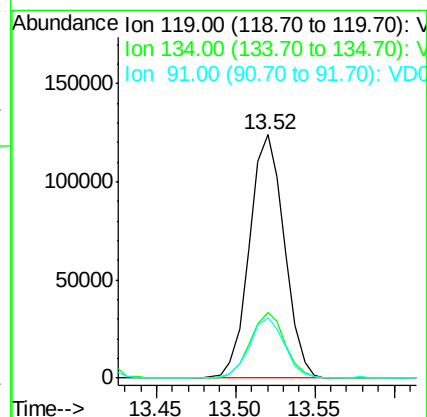
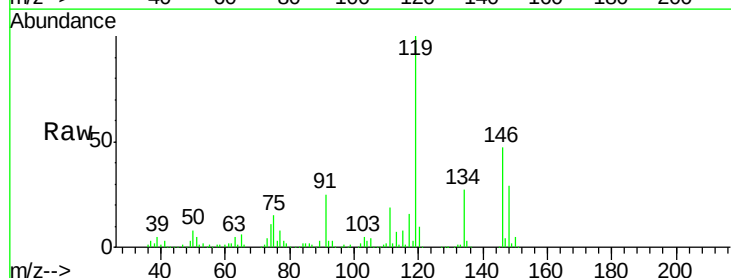
Tgt Ion:119 Resp: 189887

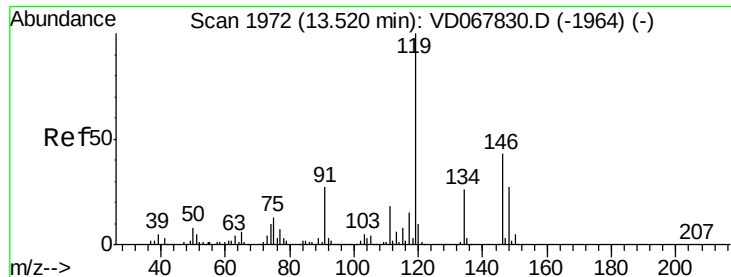
Ion Ratio Lower Upper

119 100

134 27.0 13.1 39.3

91 24.7 12.8 38.3





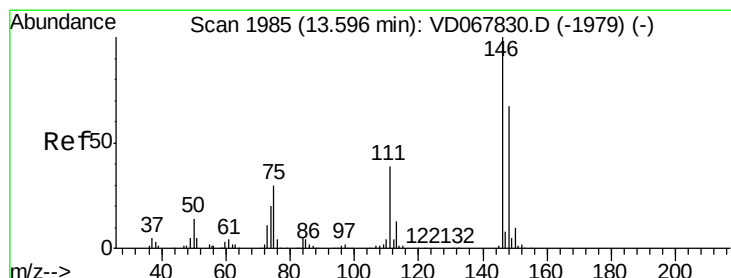
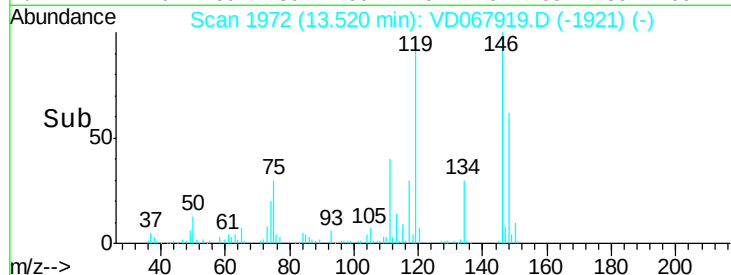
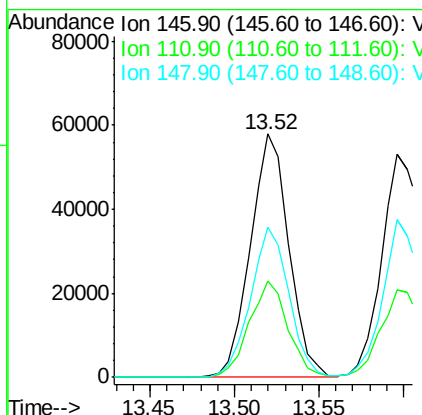
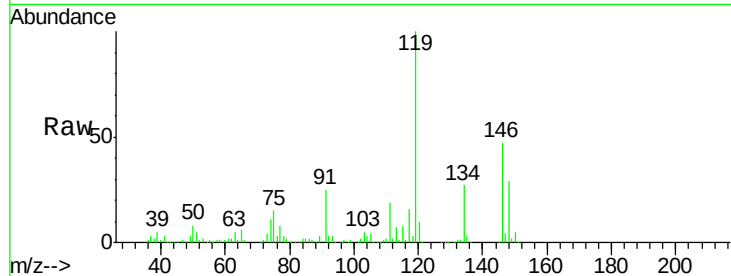
#87
 1,3-Dichlorobenzene
 Concen: 21.312 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067919.D
 Acq: 09 Dec 2020 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.8	62.2
148	61.7	32.9	98.6

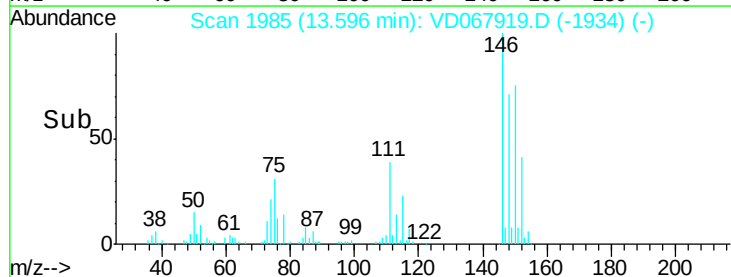
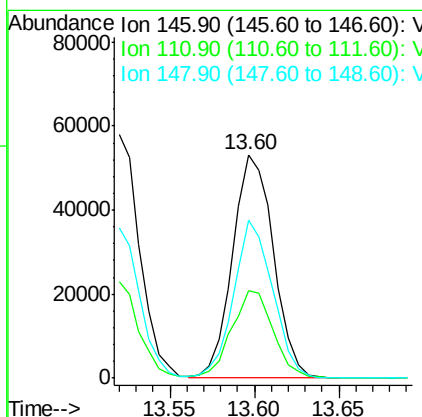
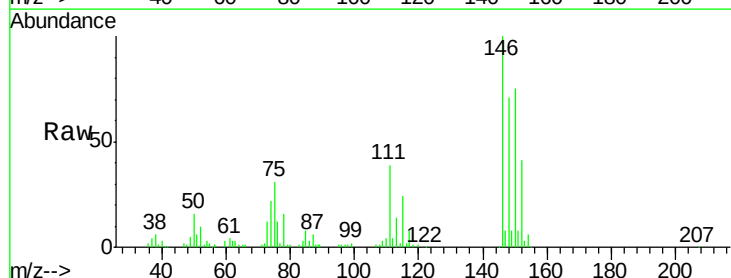
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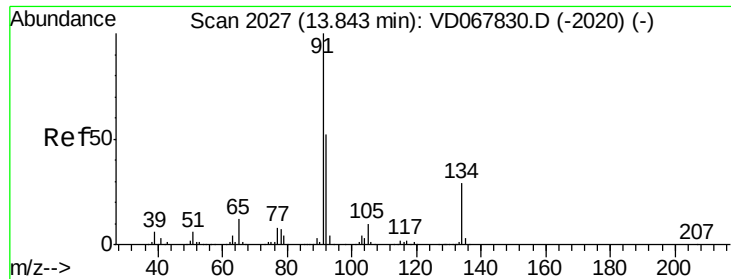
MMDadoda
 12/10/2020 10:19:28 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.799 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD067919.D
 Acq: 09 Dec 2020 11:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.9	59.6
148	67.2	32.4	97.2





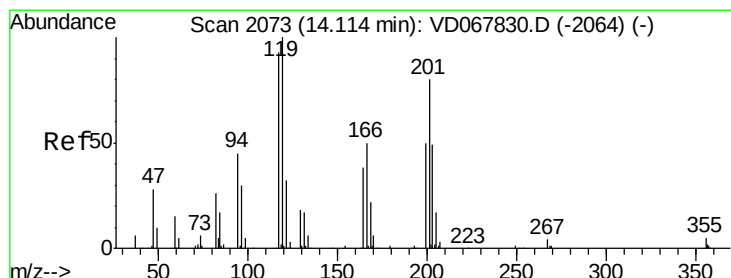
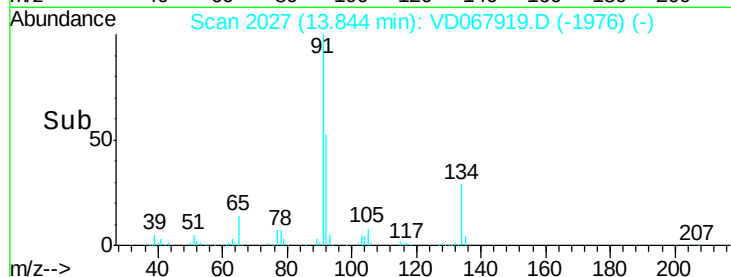
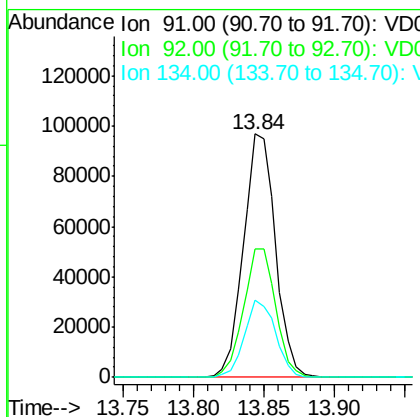
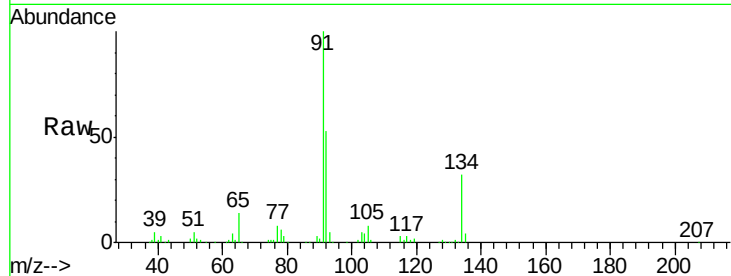
#89
n-Butylbenzene
Concen: 21.345 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.3	78.8
134	30.8	14.8	44.3

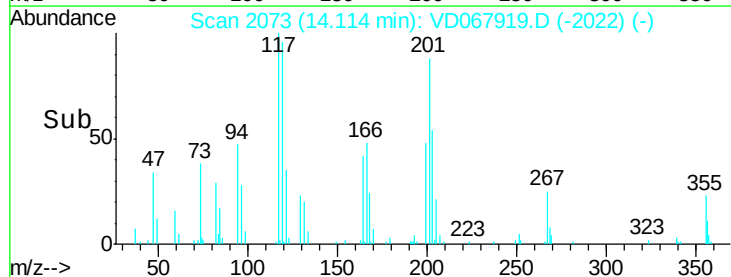
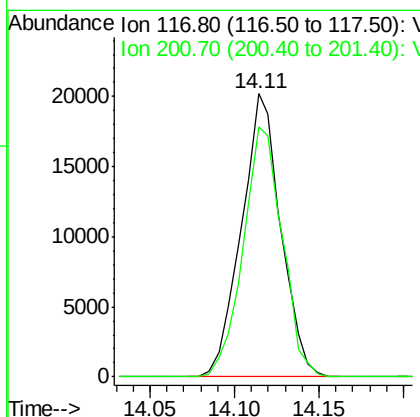
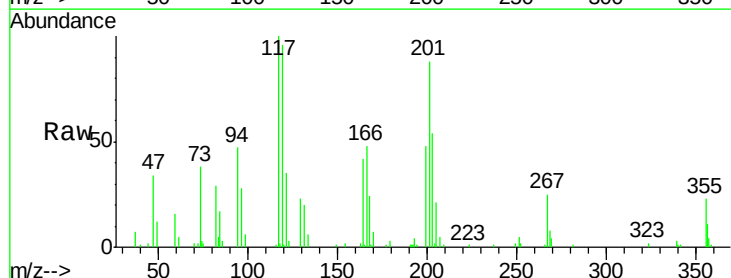
Manual Integrations
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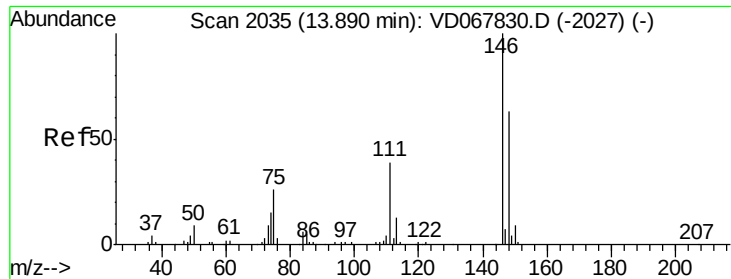
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#90
Hexachloroethane
Concen: 20.473 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.5	43.9	131.6





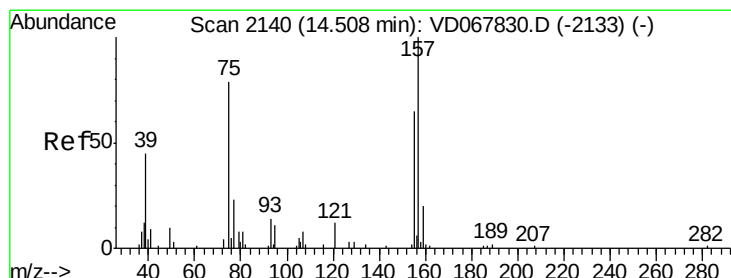
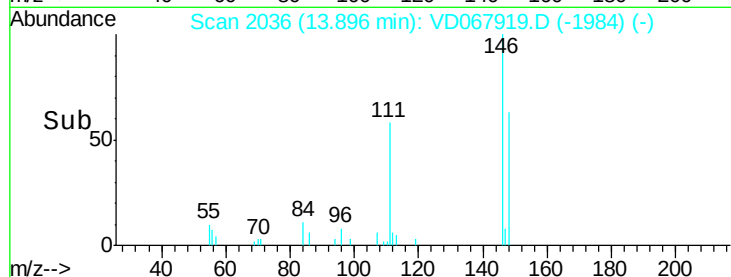
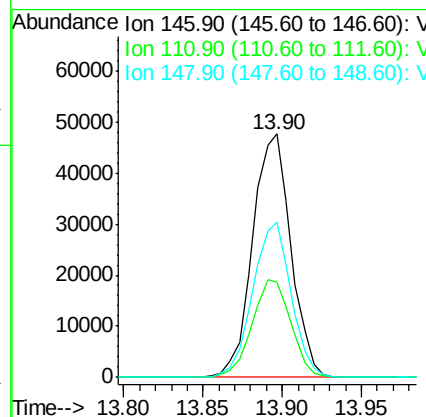
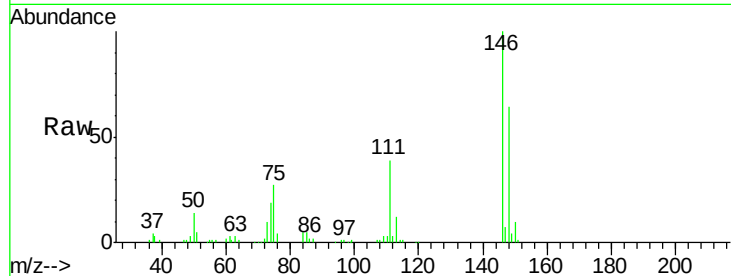
#91
 1,2-Dichlorobenzene
 Concen: 21.365 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VD067919.D
 Acq: 09 Dec 2020 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.4	61.2
148	63.7	32.1	96.3

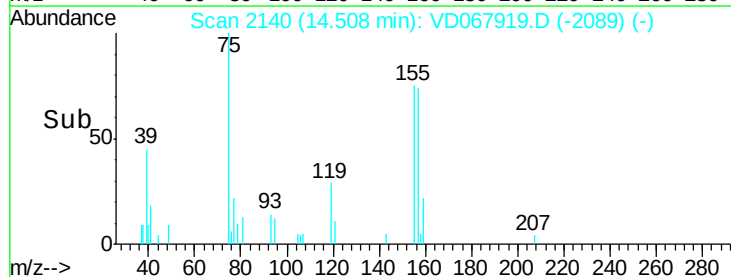
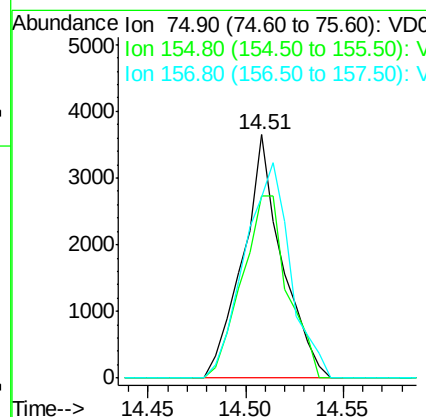
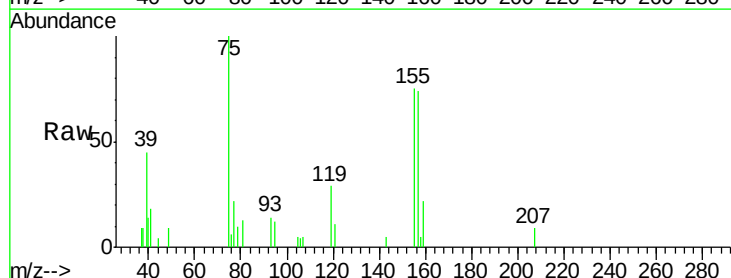
Manual Integrations
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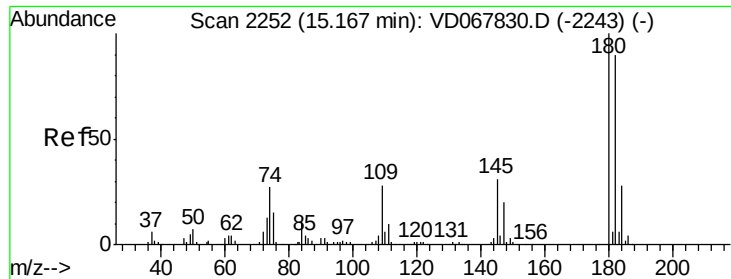
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.475 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD067919.D
 Acq: 09 Dec 2020 11:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.9	44.1	132.4
157	103.1	62.4	187.2





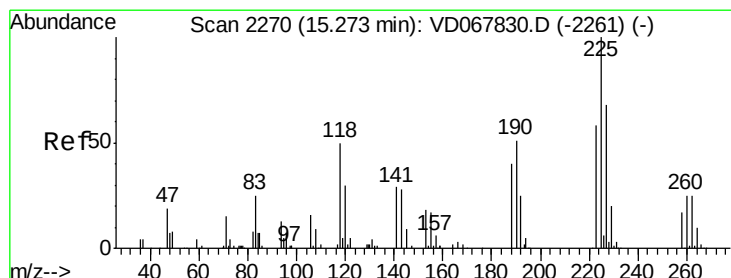
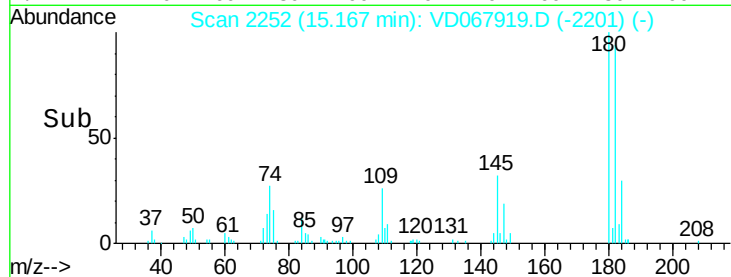
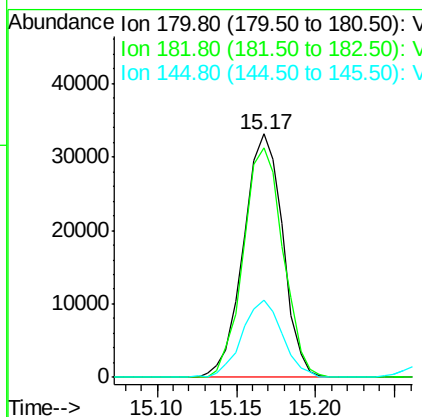
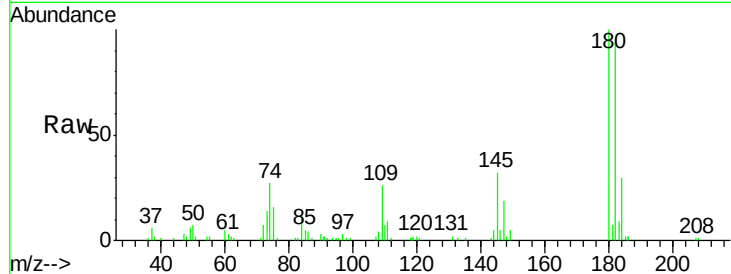
#93
1,2,4-Trichlorobenzene
Concen: 21.806 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.5	142.6
145	32.7	16.4	49.4

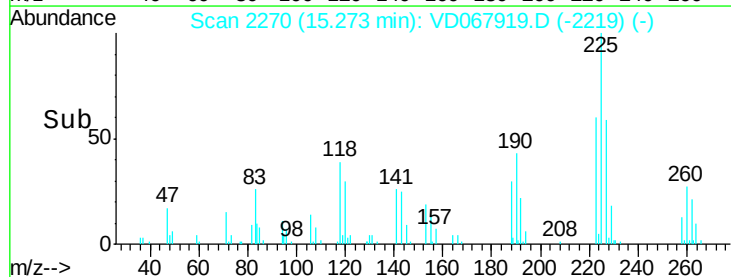
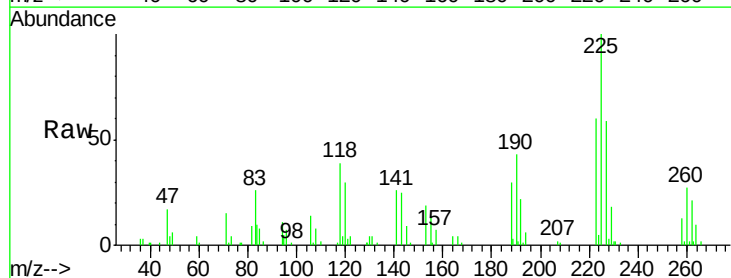
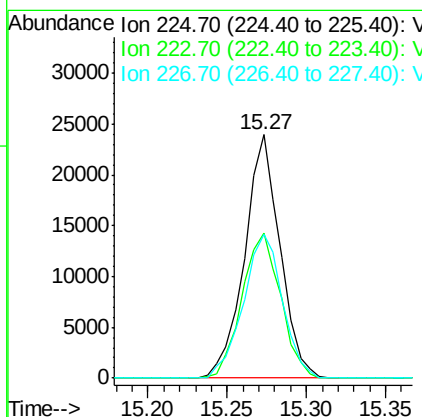
Manual Integrations
APPROVED

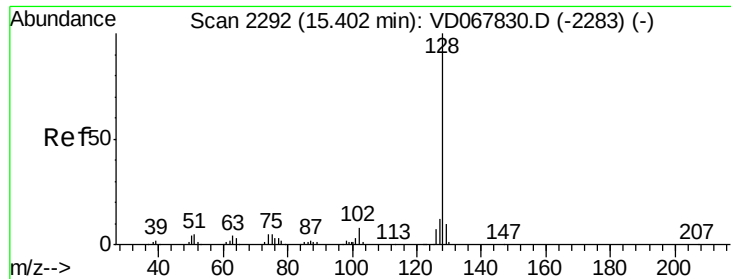
MMDadoda
12/10/2020 10:19:28 AM



#94
Hexachlorobutadiene
Concen: 21.765 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VD067919.D
Acq: 09 Dec 2020 11:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.7	31.1	93.3
227	65.2	33.1	99.3





#95

Naphthalene

Concen: 20.484 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.01 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Instrument :

MSVOA_D

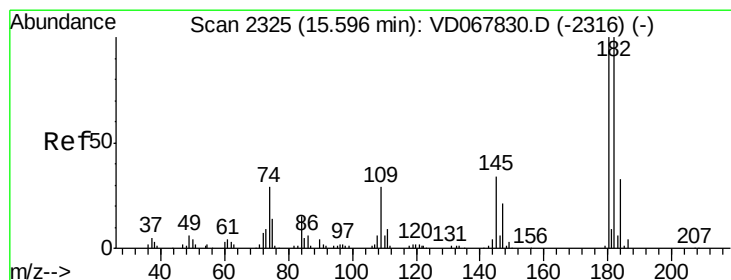
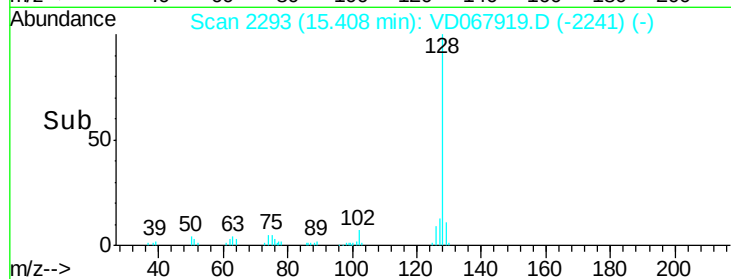
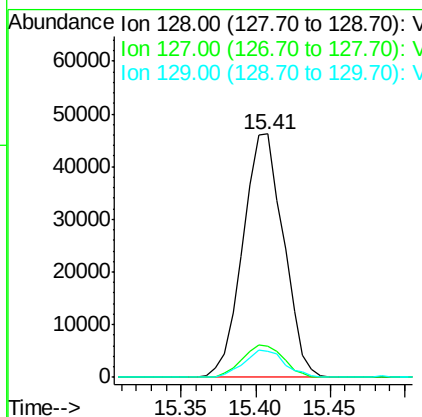
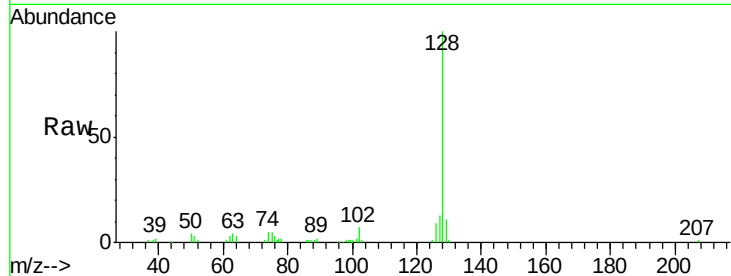
ClientSampleId :

VD1209SBS01

Tot Ion:	128	Resp:	87168
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	15.8
129	11.1	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
12/10/2020 10:19:28 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.868 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.01 min

Lab File: VD067919.D

Acq: 09 Dec 2020 11:10

Tgt Ion:	180	Resp:	49387
Ion Ratio	Lower	Upper	
180	100		
182	90.5	47.3	142.0
145	33.6	16.8	50.4

