

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122920\
 Data File : VD067967.D
 Acq On : 29 Dec 2020 15:59
 Operator : VA/SY
 Sample : L5235-01
 Misc : 5.70G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-05-122920

Quant Time: Dec 30 00:14:03 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 23 07:34:16 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

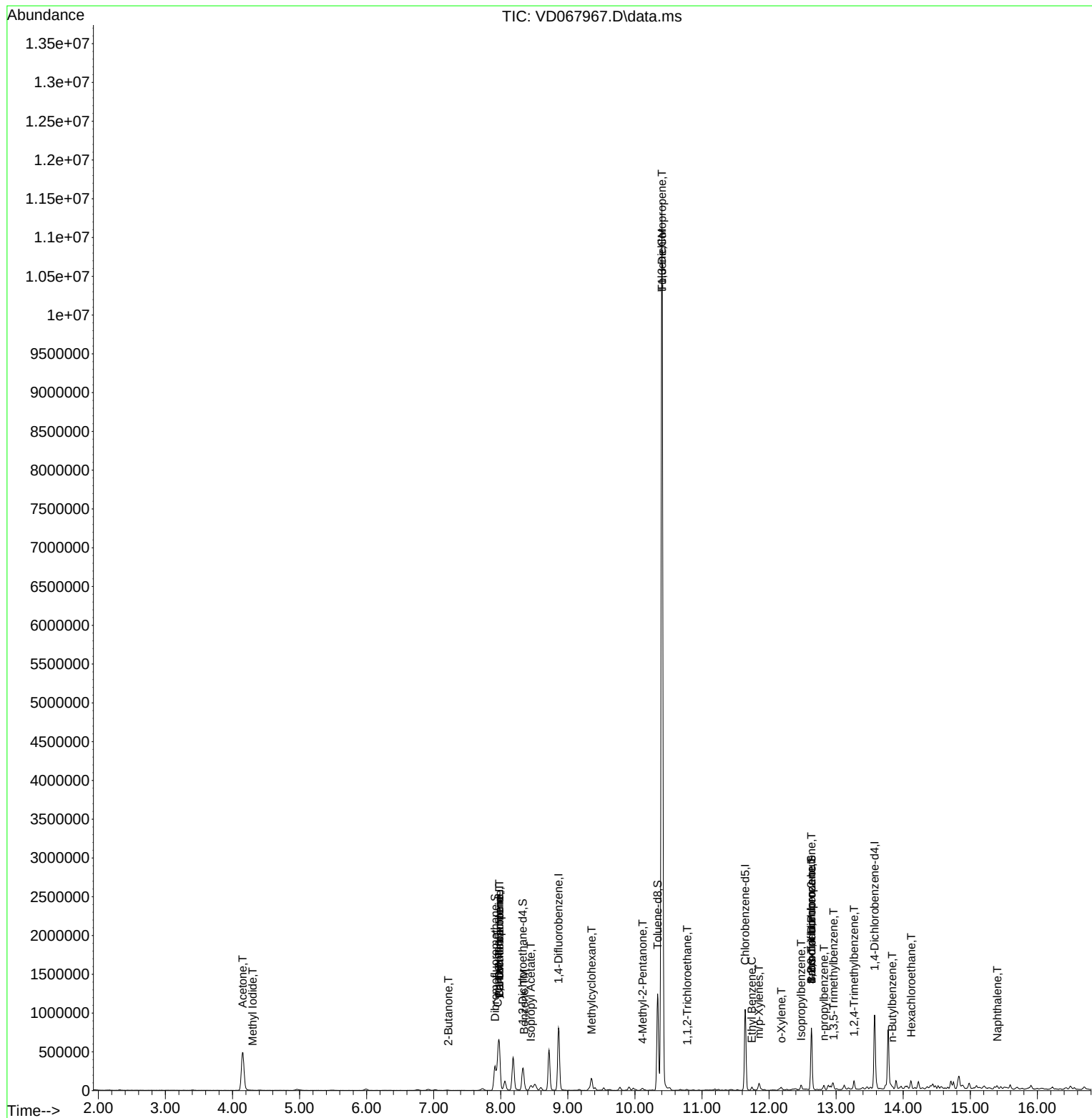
Internal Standards						
1) Pentafluorobenzene	7.979	168	385560	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	713521	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	601445	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	256100	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	213967	51.39	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.78%			
35) Dibromofluoromethane	7.914	113	220220	48.98	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.96%			
50) Toluene-d8	10.338	98	847355	50.14	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.28%			
62) 4-Bromofluorobenzene	12.632	95	270338	46.77	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.54%			
Target Compounds						Qvalue
5) Bromomethane	2.785	94	718	Below Cal		90
10) Methyl Iodide	4.303	142	1134	4.08 ug/l #		41
11) Tert butyl alcohol	5.220	59	237	Below Cal	#	74
16) Acetone	4.150	43	881122	1108.46 ug/l		90
20) Methylene Chloride	4.956	84	9235	Below Cal		87
25) 2-Butanone	7.220	43	2062	1.76 ug/l #		49
31) Cyclohexane	7.955	56	82622	9.71 ug/l #		57
36) 1,1-Dichloropropene	7.979	75	30510	4.02 ug/l #		51
38) Carbon Tetrachloride	7.979	117	38015	5.25 ug/l #		15
39) Methylcyclohexane	9.355	83	55492	6.38 ug/l		94
40) Benzene	8.350	78	44251	2.01 ug/l #		88
43) Isopropyl Acetate	8.450	43	31784	5.64 ug/l #		51
51) 4-Methyl-2-Pentanone	10.114	43	12033	4.13 ug/l #		37
52) Toluene	10.402	92	5191215	382.25 ug/l		96
53) t-1,3-Dichloropropene	10.402	75	58932	8.87 ug/l #		1
55) 1,1,2-Trichloroethane	10.779	97	3860	1.01 ug/l #		16
67) Ethyl Benzene	11.743	91	24357	1.05 ug/l		96
68) m/p-Xylenes	11.849	106	20854	2.36 ug/l		100
69) o-Xylene	12.185	106	8163	1.03 ug/l		95
71) Bromoform	12.632	173	2468	1.05 ug/l #		1
73) Isopropylbenzene	12.479	105	37446	1.97 ug/l		97
76) 1,2,3-Trichloropropane	12.632	75	131317	60.90 ug/l #		100
78) n-propylbenzene	12.820	91	44489	1.88 ug/l		98
80) 1,3,5-Trimethylbenzene	12.961	105	16788	1.06 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.632	75	131317	124.84 ug/l #		13
84) 1,2,4-Trimethylbenzene	13.267	105	56752	3.58 ug/l		96
89) n-Butylbenzene	13.837	91	18492	1.12 ug/l #		82
90) Hexachloroethane	14.120	117	7561	2.21 ug/l #		17
95) Naphthalene	15.402	128	33314	4.36 ug/l #		93

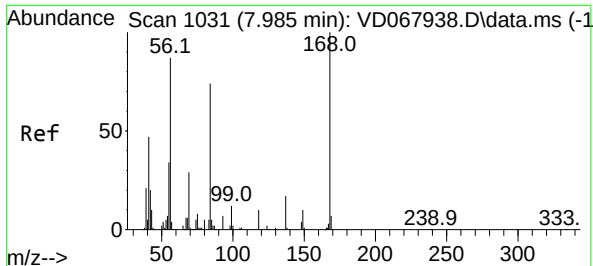
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.70G/5.00ml/MSVOA_D/SOIL
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Instrument :
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Quant Time: Dec 30 00:14:03 2020
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QLast Update : Wed Dec 23 07:34:16 2020
Response via : Initial Calibration

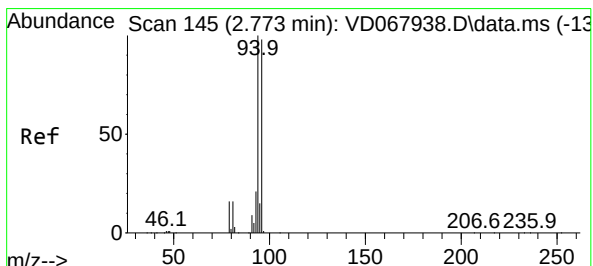
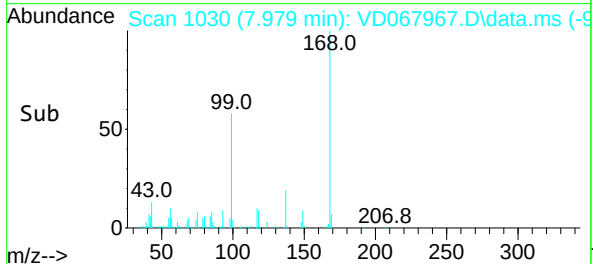
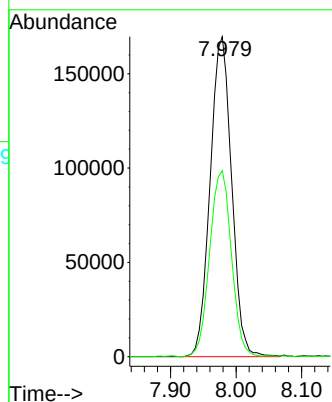
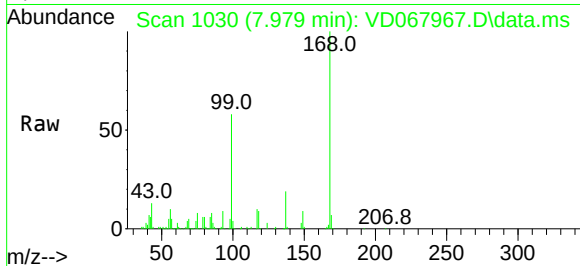




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD067967.D
Acq: 29 Dec 2020 15:59

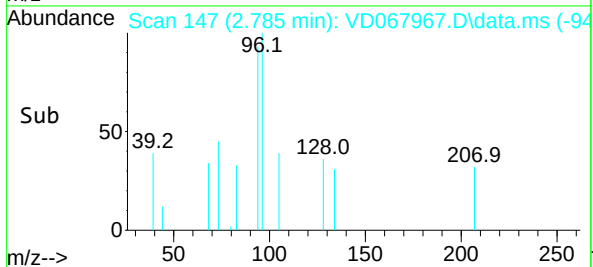
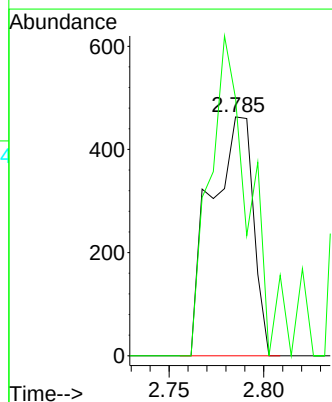
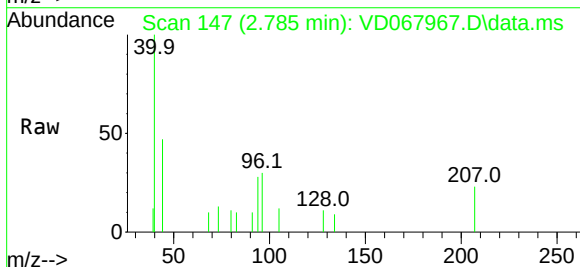
Instrument :
MSVOA_D
ClientSampleId :
TR-05-122920

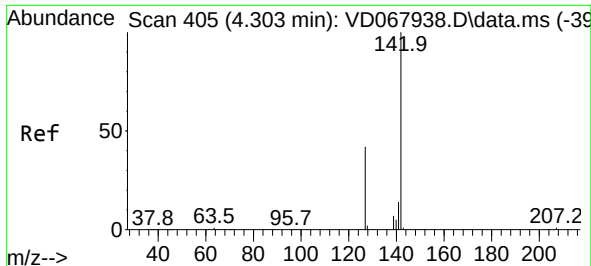
Tgt Ion:168 Resp: 385560
Ion Ratio Lower Upper
168 100
99 58.1 48.0 72.0



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.012 min
Lab File: VD067967.D
Acq: 29 Dec 2020 15:59

Tgt Ion: 94 Resp: 718
Ion Ratio Lower Upper
94 100
96 107.8 78.0 117.0

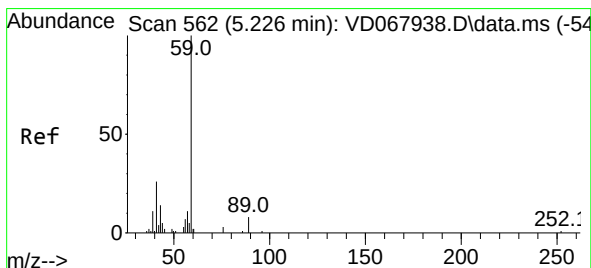
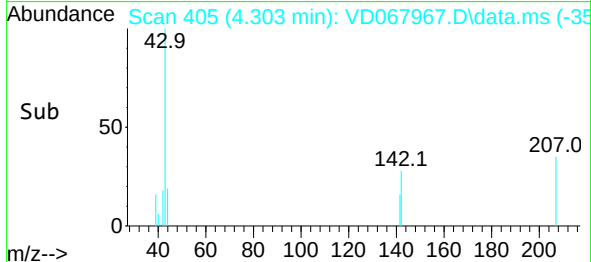
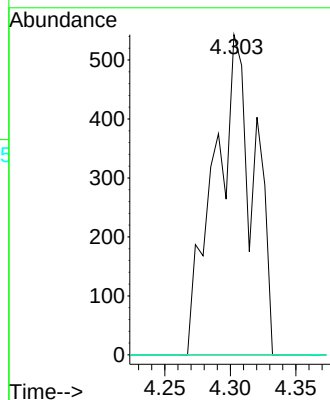
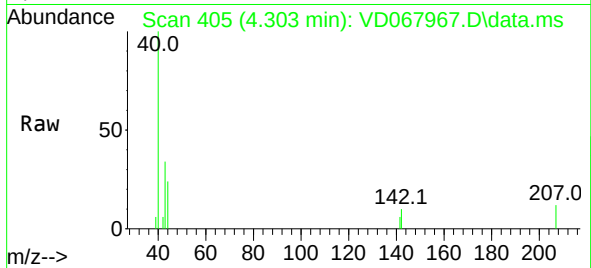




#10
Methyl Iodide
Concen: 4.08 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD067967.D
Acq: 29 Dec 2020 15:59

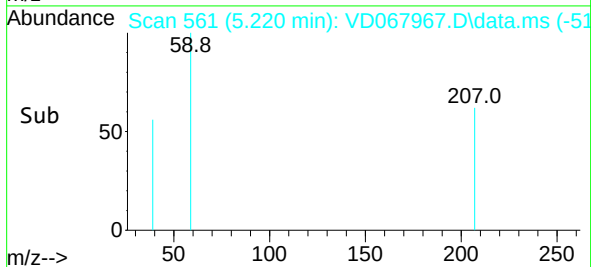
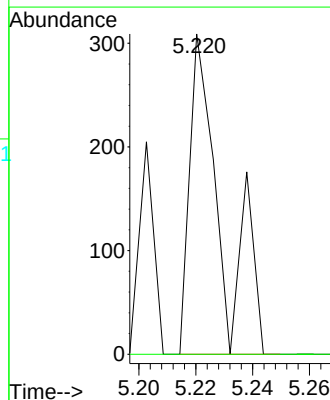
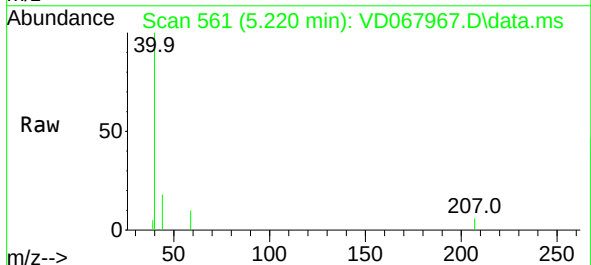
Instrument :
MSVOA_D
ClientSampleId :
TR-05-122920

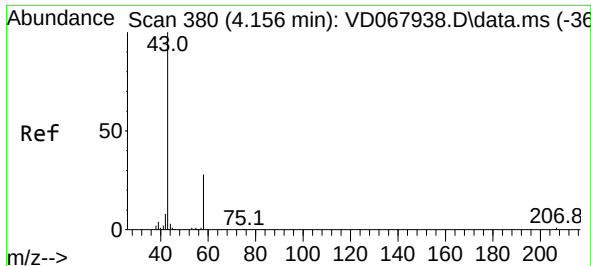
Tgt Ion:142 Resp: 1134
Ion Ratio Lower Upper
142 100
127 0.0 34.4 51.6#
141 0.0 11.8 17.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. -0.006 min
Lab File: VD067967.D
Acq: 29 Dec 2020 15:59

Tgt Ion: 59 Resp: 237
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

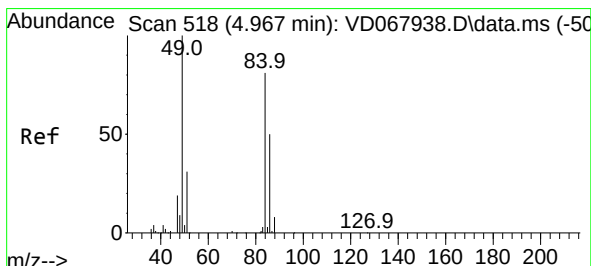
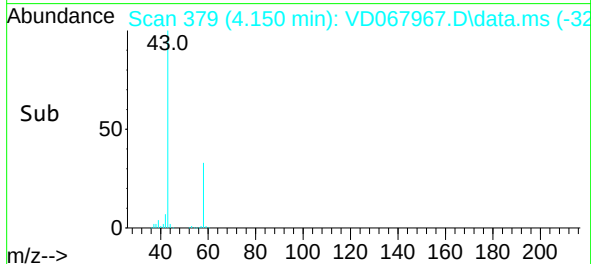
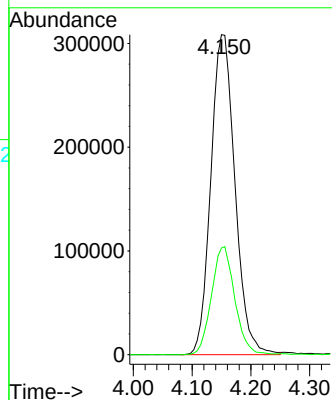
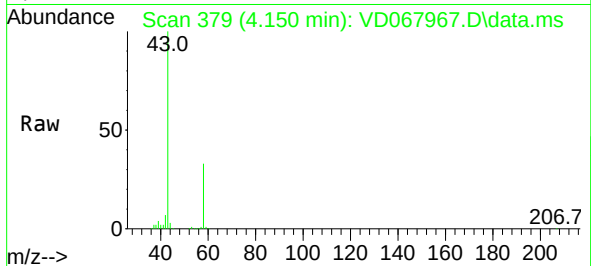




#16
Acetone
Concen: 1108.46 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD067967.D
Acq: 29 Dec 2020 15:59

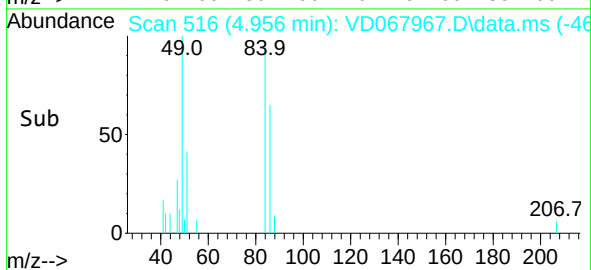
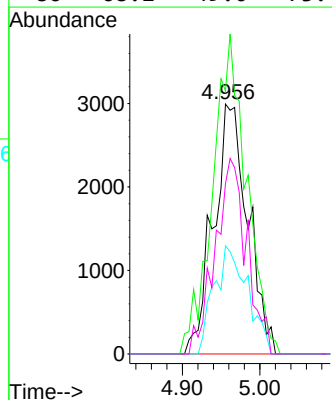
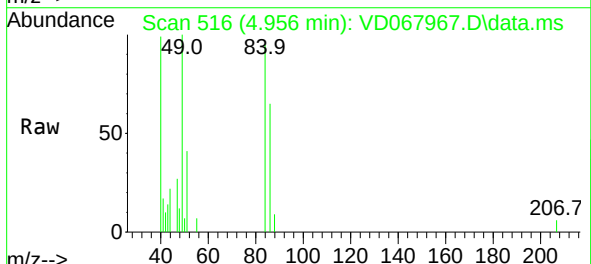
Instrument :
MSVOA_D
ClientSampleId :
TR-05-122920

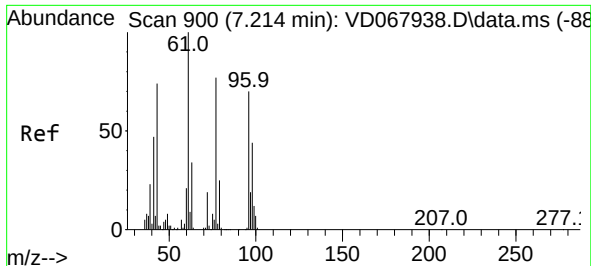
Tgt Ion: 43 Resp: 881122
Ion Ratio Lower Upper
43 100
58 33.3 22.3 33.5



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.011 min
Lab File: VD067967.D
Acq: 29 Dec 2020 15:59

Tgt Ion: 84 Resp: 9235
Ion Ratio Lower Upper
84 100
49 105.3 98.3 147.5
51 43.3 30.3 45.5
86 68.2 49.0 73.4

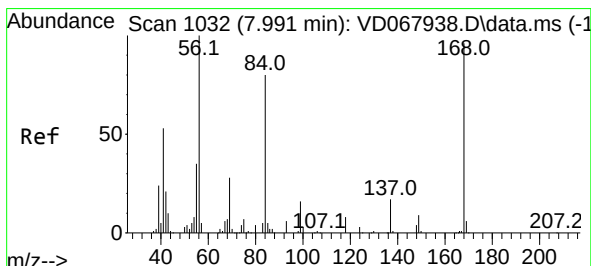
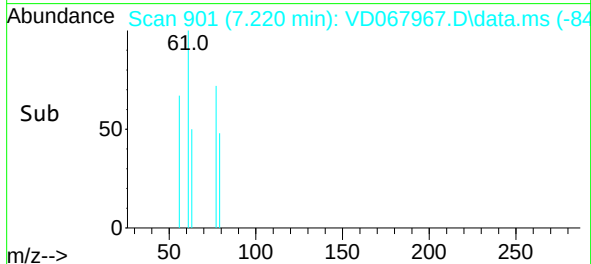
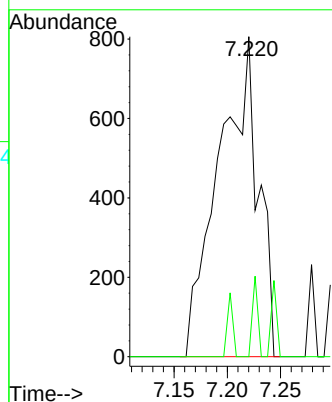
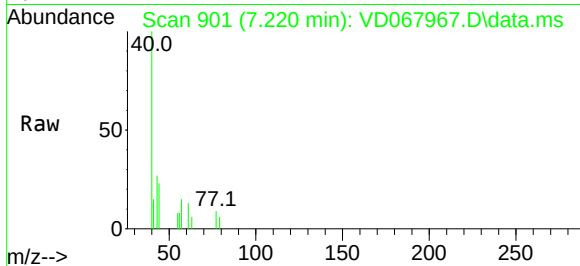




#25
2-Butanone
Concen: 1.76 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD067967.D
Acq: 29 Dec 2020 15:59

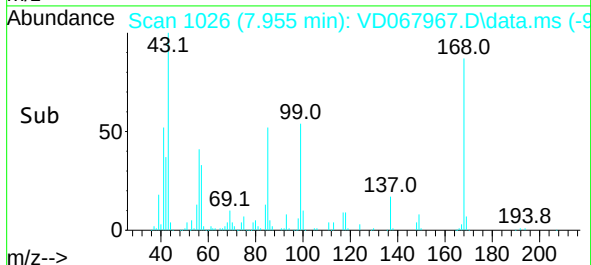
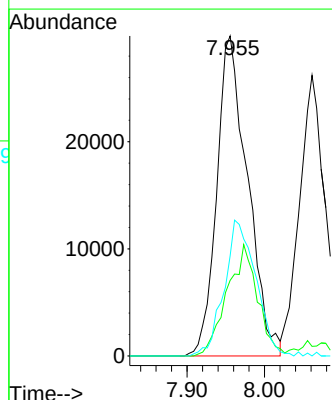
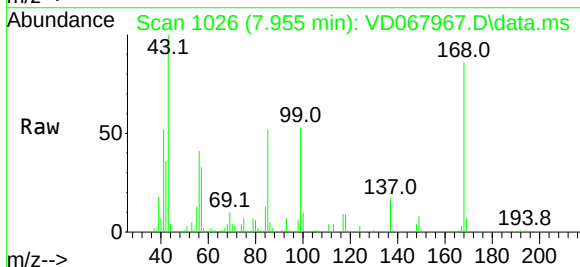
Instrument :
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ClientSampleId :
TR-05-122920

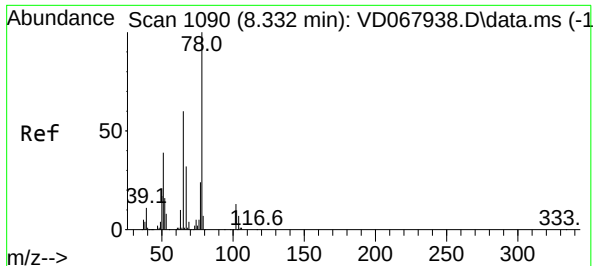
Tgt Ion: 43 Resp: 2062
Ion Ratio Lower Upper
43 100
72 0.0 20.8 31.2#



#31
Cyclohexane
Concen: 9.71 ug/l
RT: 7.955 min Scan# 1026
Delta R.T. -0.035 min
Lab File: VD067967.D
Acq: 29 Dec 2020 15:59

Tgt Ion: 56 Resp: 82622
Ion Ratio Lower Upper
56 100
69 23.6 22.7 34.1
84 31.3 64.2 96.4#

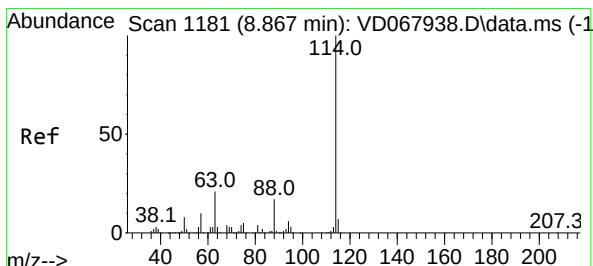
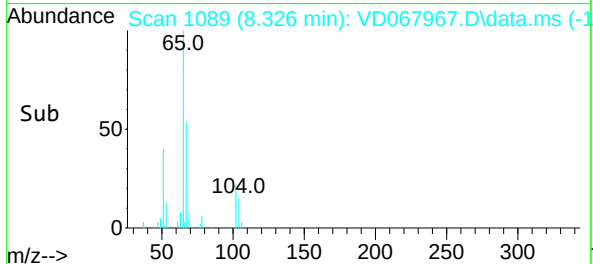
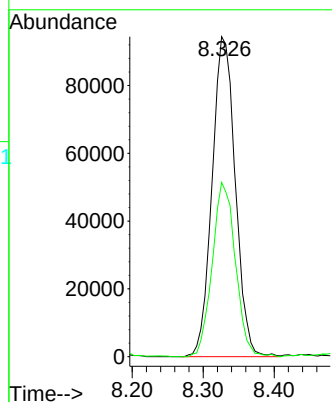
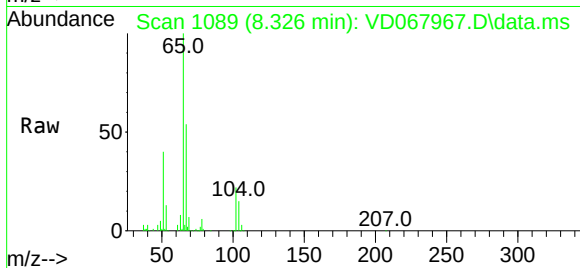




#33
1,2-Dichloroethane-d4
Concen: 51.39 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD067967.D
Acq: 29 Dec 2020 15:59

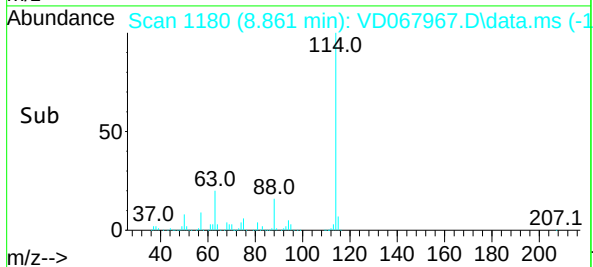
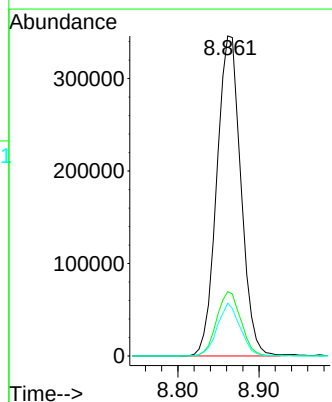
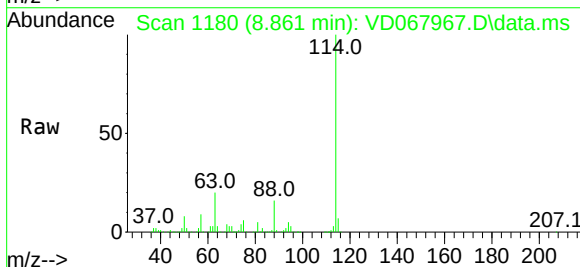
Instrument :
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ClientSampleId :
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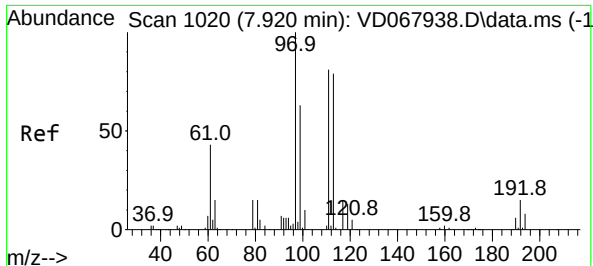
Tgt Ion: 65 Resp: 213967
Ion Ratio Lower Upper
65 100
67 54.3 0.0 110.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD067967.D
Acq: 29 Dec 2020 15:59

Tgt Ion: 114 Resp: 713521
Ion Ratio Lower Upper
114 100
63 20.1 0.0 41.4
88 16.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.98 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD067967.D

Acq: 29 Dec 2020 15:59

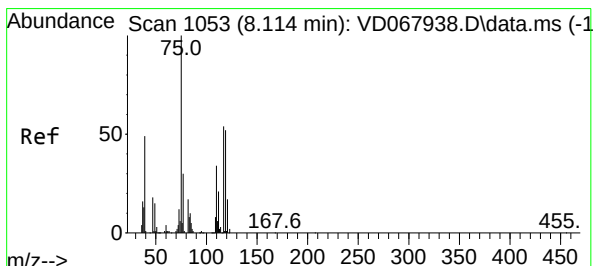
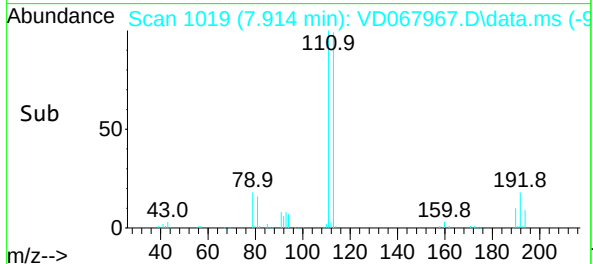
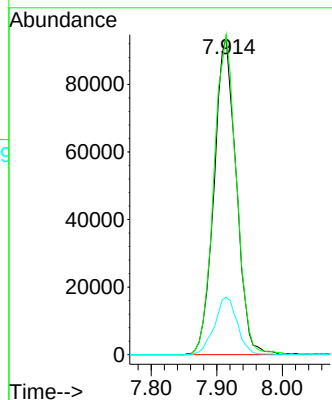
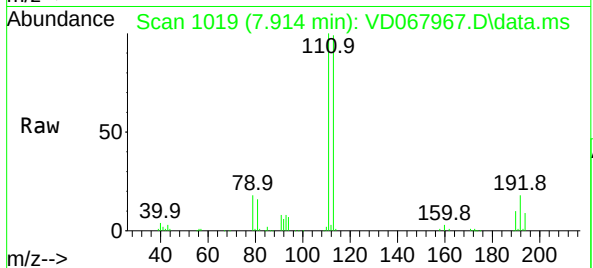
Tgt Ion:113 Resp: 220220

Ion Ratio Lower Upper

113 100

111 102.5 79.3 118.9

192 18.7 14.5 21.7



#36

1,1-Dichloropropene

Concen: 4.02 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD067967.D

Acq: 29 Dec 2020 15:59

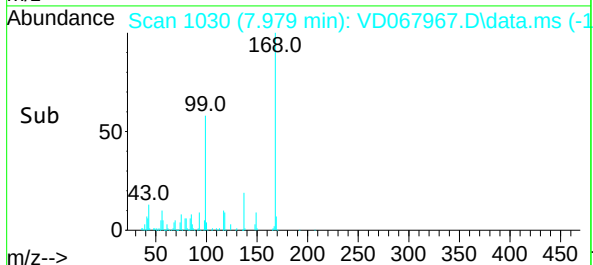
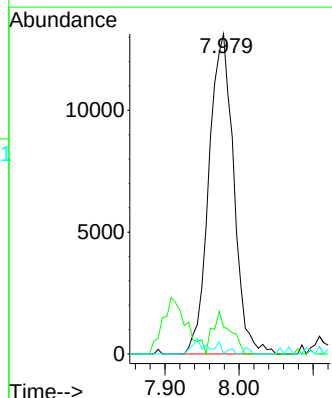
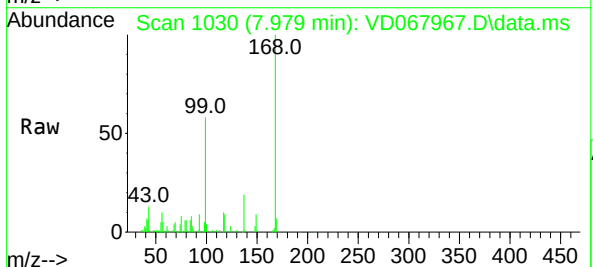
Tgt Ion: 75 Resp: 30510

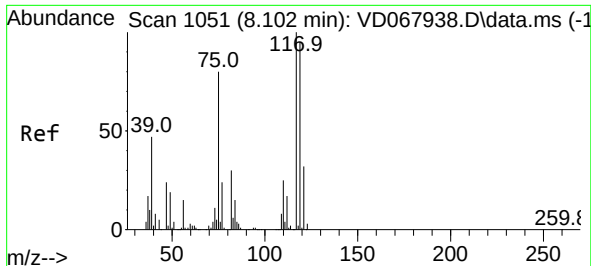
Ion Ratio Lower Upper

75 100

110 9.2 17.0 51.0#

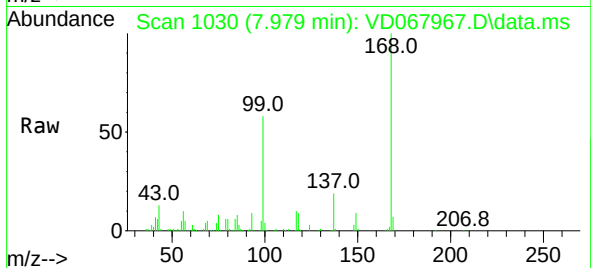
77 0.0 24.6 37.0#



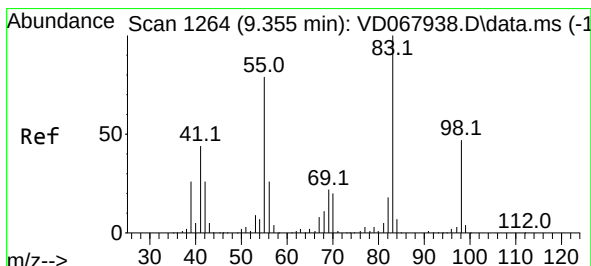
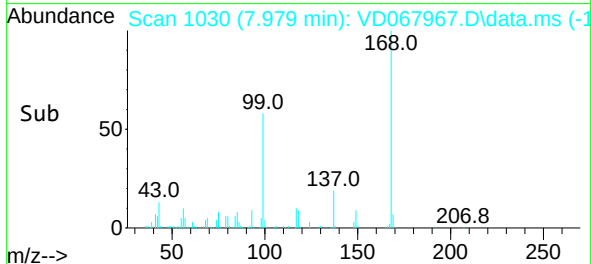
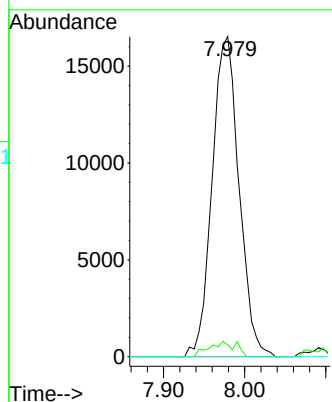


#38
Carbon Tetrachloride
Concen: 5.25 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.123 min
Lab File: VD067967.D
Acq: 29 Dec 2020 15:59

Instrument :
MSVOA_D
ClientSampleId :
TR-05-122920

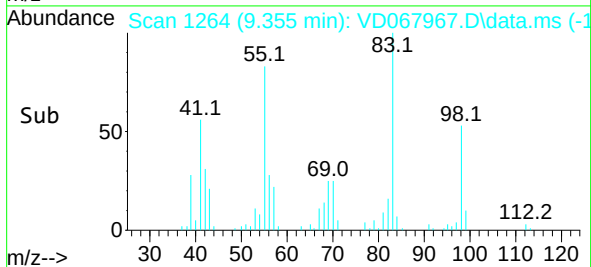
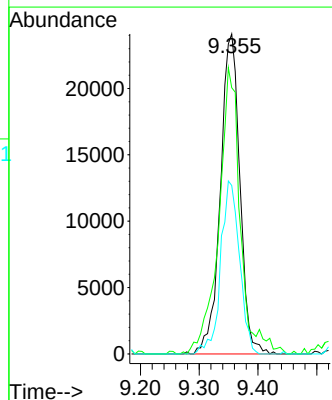
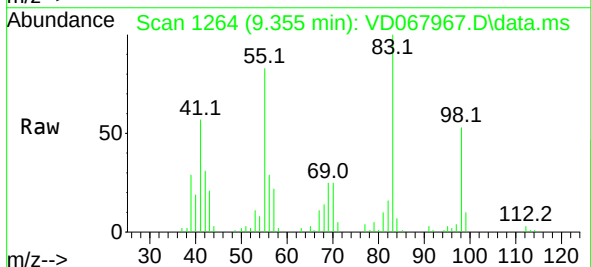


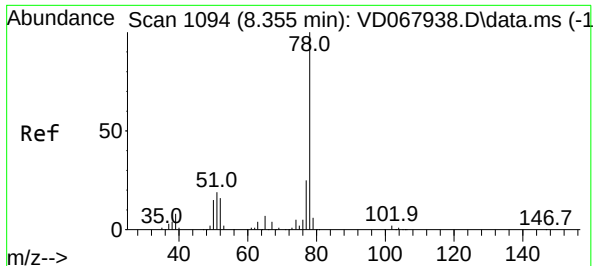
Tgt Ion:117 Resp: 38015
Ion Ratio Lower Upper
117 100
119 3.7 76.2 114.4#
121 0.0 25.9 38.9#



#39
Methylcyclohexane
Concen: 6.38 ug/l
RT: 9.355 min Scan# 1264
Delta R.T. 0.000 min
Lab File: VD067967.D
Acq: 29 Dec 2020 15:59

Tgt Ion: 83 Resp: 55492
Ion Ratio Lower Upper
83 100
55 83.2 63.5 95.3
98 52.6 37.3 55.9





#40

Benzene

Concen: 2.01 ug/l

RT: 8.350 min Scan# 1093

Delta R.T. -0.006 min

Lab File: VD067967.D

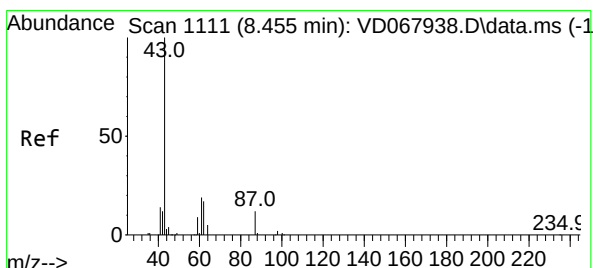
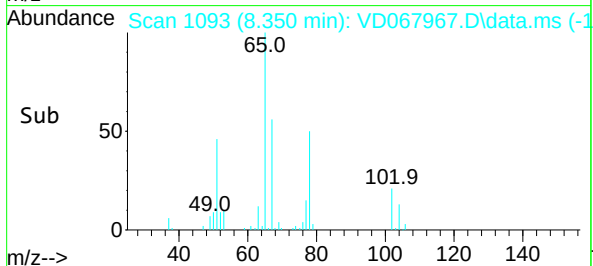
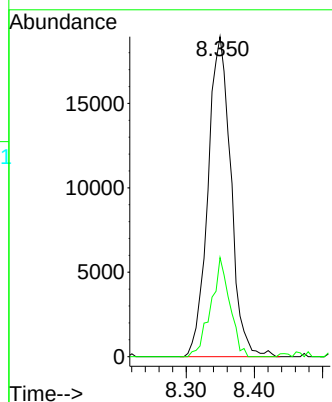
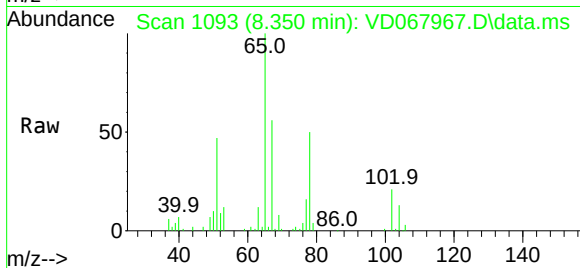
Acq: 29 Dec 2020 15:59

Tgt Ion: 78 Resp: 44251

Ion Ratio Lower Upper

78 100

77 31.0 20.1 30.1#



#43

Isopropyl Acetate

Concen: 5.64 ug/l

RT: 8.450 min Scan# 1110

Delta R.T. -0.006 min

Lab File: VD067967.D

Acq: 29 Dec 2020 15:59

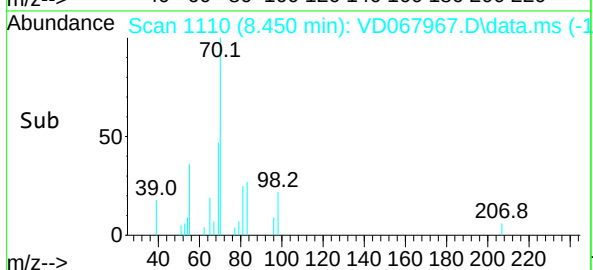
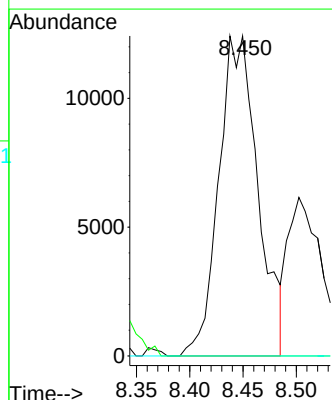
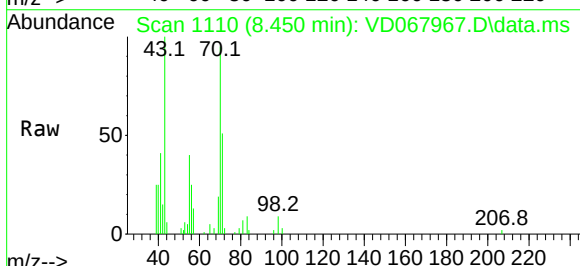
Tgt Ion: 43 Resp: 31784

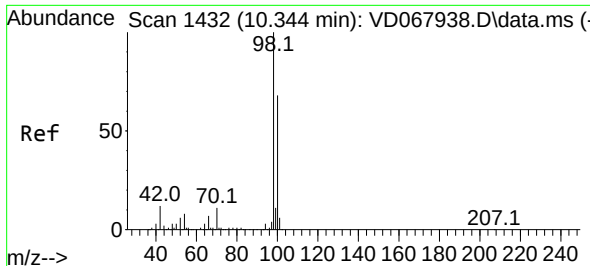
Ion Ratio Lower Upper

43 100

61 0.0 24.5 36.7#

87 0.0 9.8 14.8#

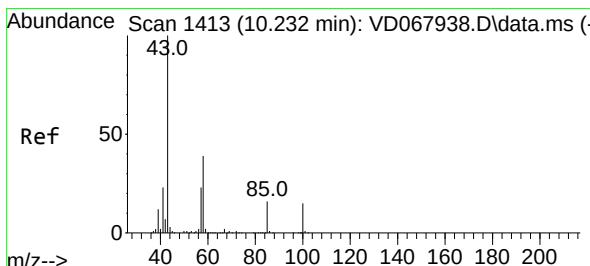
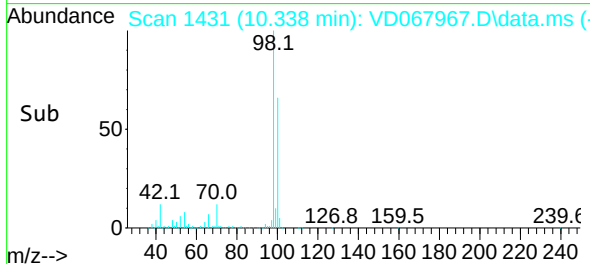
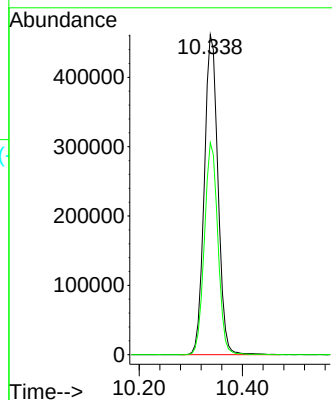
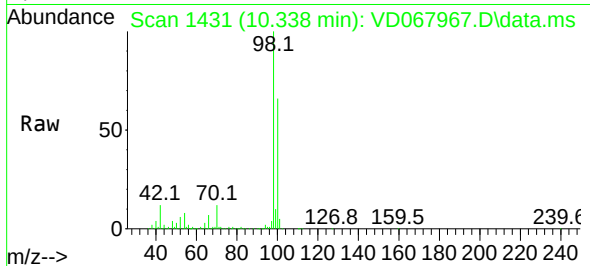




#50
Toluene-d8
Concen: 50.14 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD067967.D
Acq: 29 Dec 2020 15:59

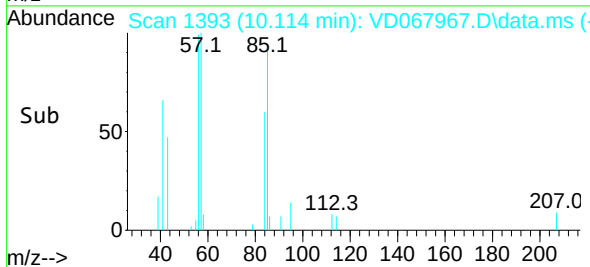
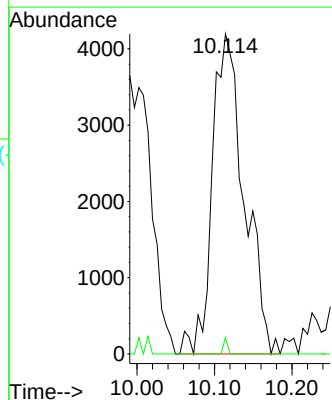
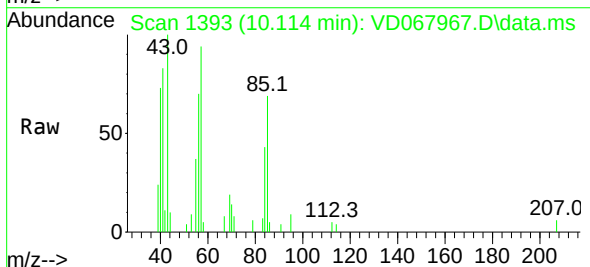
Instrument :
MSVOA_D
ClientSampleId :
TR-05-122920

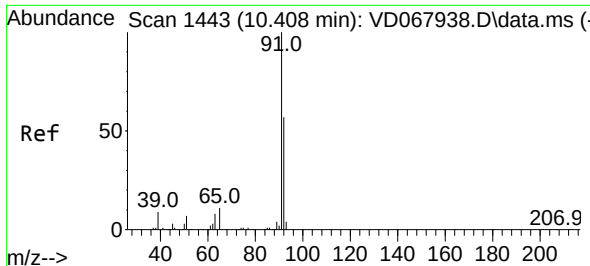
Tgt Ion: 98 Resp: 847355
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 4.13 ug/l
RT: 10.114 min Scan# 1393
Delta R.T. -0.118 min
Lab File: VD067967.D
Acq: 29 Dec 2020 15:59

Tgt Ion: 43 Resp: 12033
Ion Ratio Lower Upper
43 100
58 0.0 30.0 45.0#

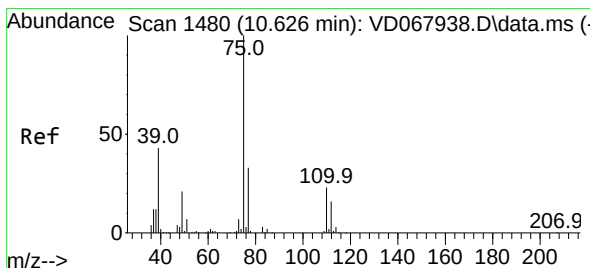
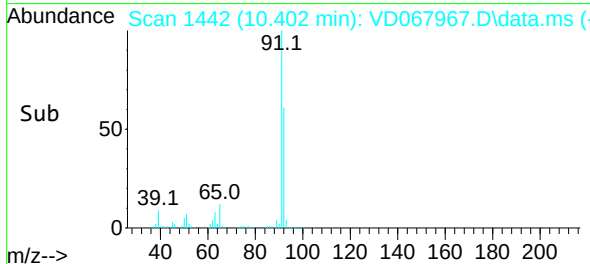
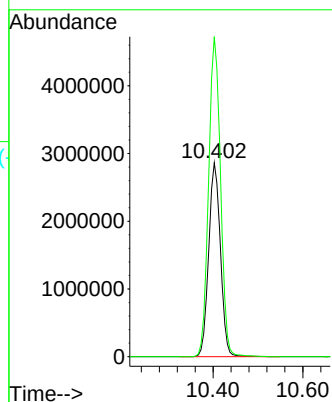
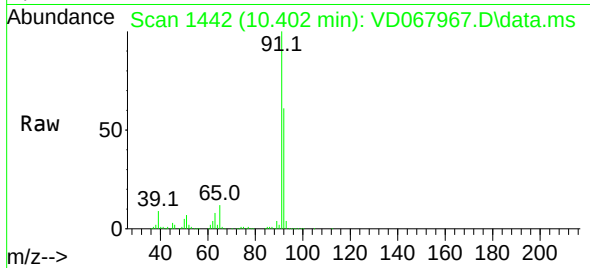




#52
Toluene
Concen: 382.25 ug/l
RT: 10.402 min Scan# 1442
Delta R.T. -0.006 min
Lab File: VD067967.D
Acq: 29 Dec 2020 15:59

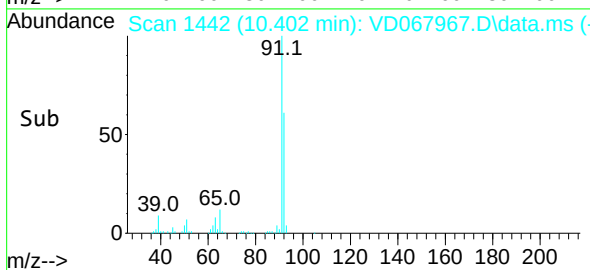
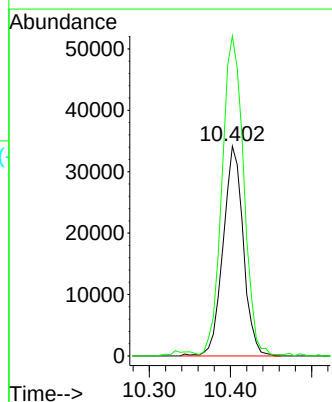
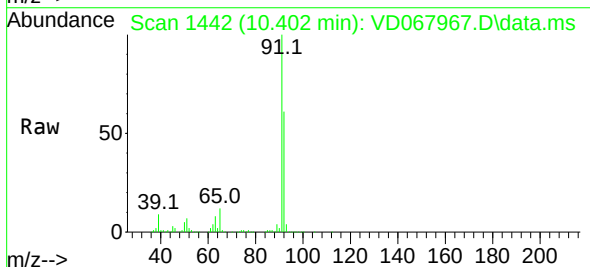
Instrument :
MSVOA_D
ClientSampleId :
TR-05-122920

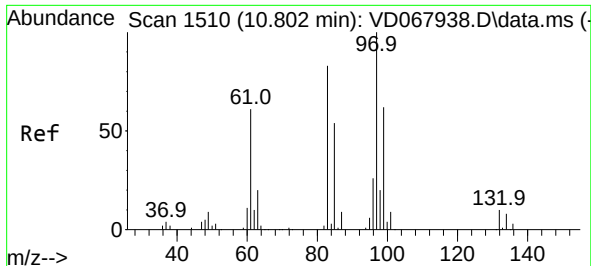
Tgt Ion: 92 Resp: 5191215
Ion Ratio Lower Upper
92 100
91 167.9 138.5 207.7



#53
t-1,3-Dichloropropene
Concen: 8.87 ug/l
RT: 10.402 min Scan# 1442
Delta R.T. -0.223 min
Lab File: VD067967.D
Acq: 29 Dec 2020 15:59

Tgt Ion: 75 Resp: 58932
Ion Ratio Lower Upper
75 100
77 151.9 26.8 40.2#

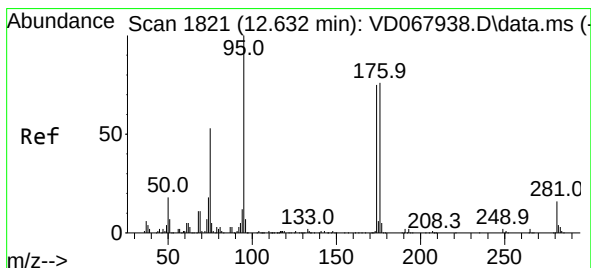
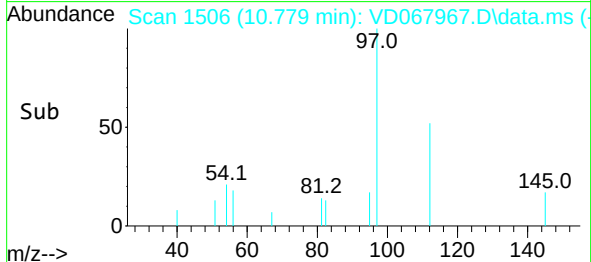
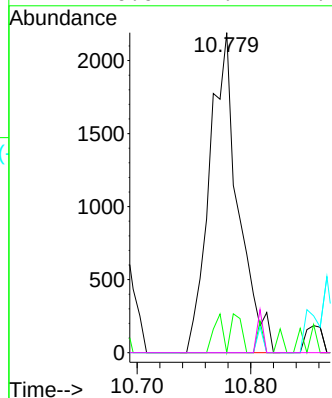
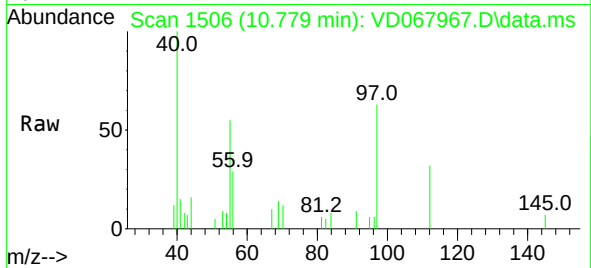




#55
1,1,2-Trichloroethane
Concen: 1.01 ug/l
RT: 10.779 min Scan# 1506
Delta R.T. -0.024 min
Lab File: VD067967.D
Acq: 29 Dec 2020 15:59

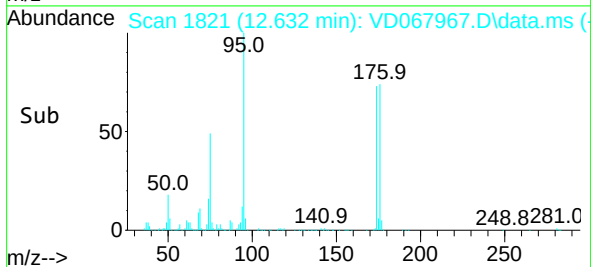
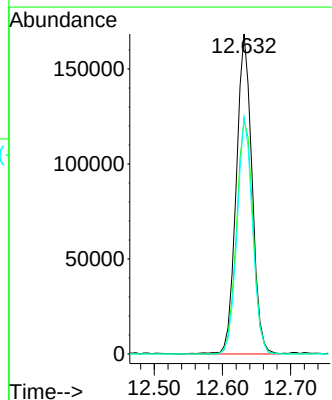
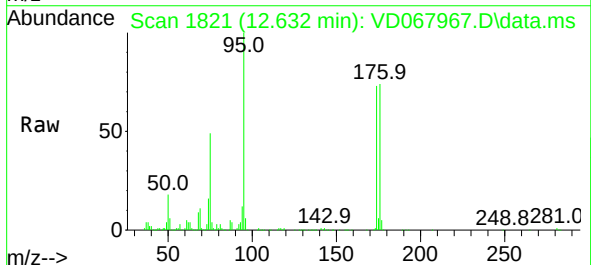
Instrument :
MSVOA_D
ClientSampleId :
TR-05-122920

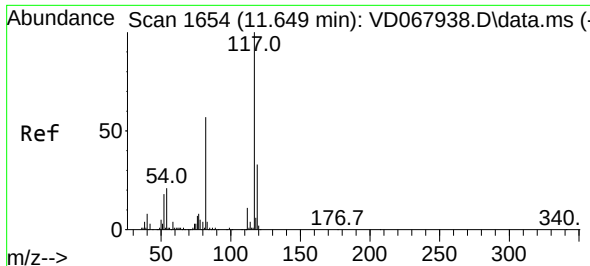
Tgt Ion: 97	Resp: 3860
Ion Ratio	Lower Upper
97 100	
83 0.0	66.4 99.6#
85 0.0	43.4 65.0#
99 0.0	49.4 74.0#



#62
4-Bromofluorobenzene
Concen: 46.77 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD067967.D
Acq: 29 Dec 2020 15:59

Tgt Ion: 95	Resp: 270338
Ion Ratio	Lower Upper
95 100	
174 76.2	0.0 150.6
176 72.2	0.0 151.2

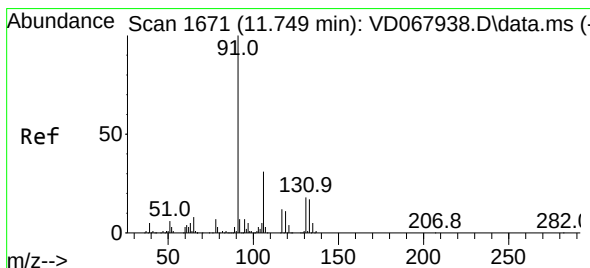
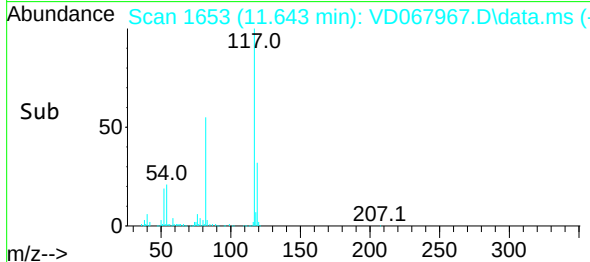
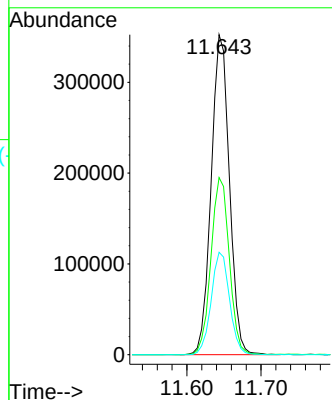
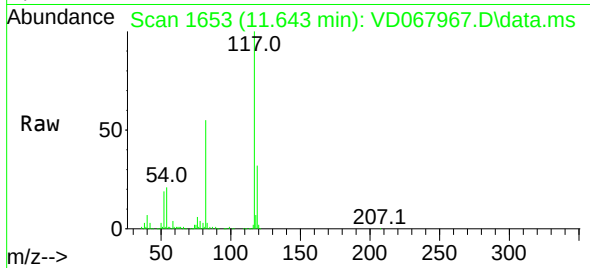




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.006 min
Lab File: VD067967.D
Acq: 29 Dec 2020 15:59

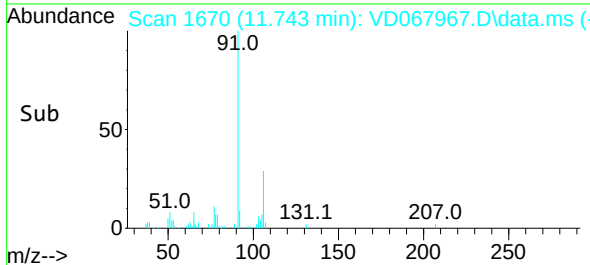
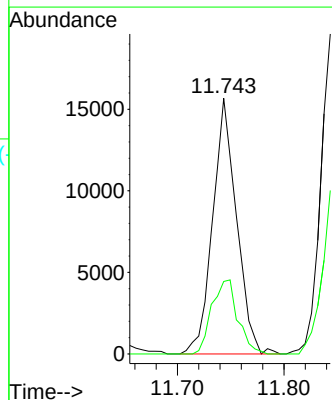
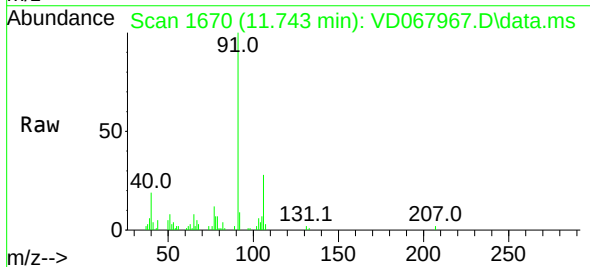
Instrument :
MSVOA_D
ClientSampleId :
TR-05-122920

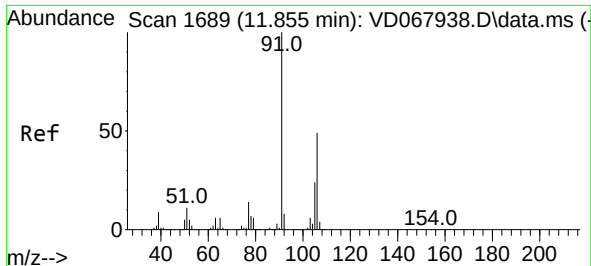
Tgt Ion:117 Resp: 601445
Ion Ratio Lower Upper
117 100
82 55.4 45.4 68.0
119 32.0 26.7 40.1



#67
Ethyl Benzene
Concen: 1.05 ug/l
RT: 11.743 min Scan# 1670
Delta R.T. -0.006 min
Lab File: VD067967.D
Acq: 29 Dec 2020 15:59

Tgt Ion: 91 Resp: 24357
Ion Ratio Lower Upper
91 100
106 28.4 24.6 37.0

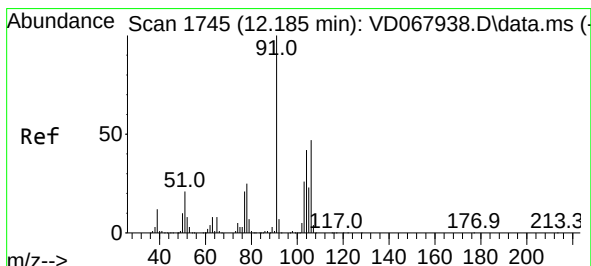
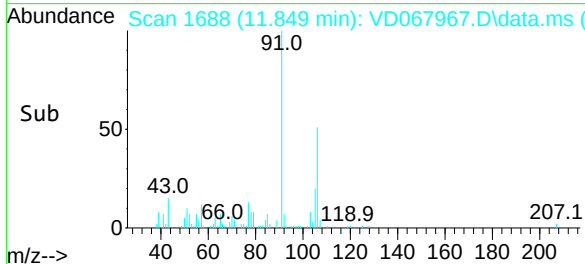
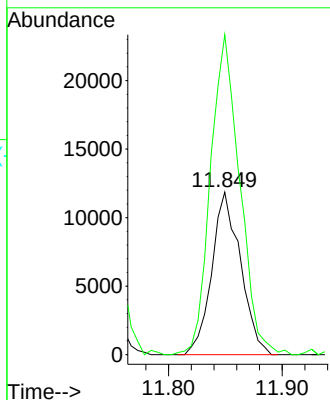
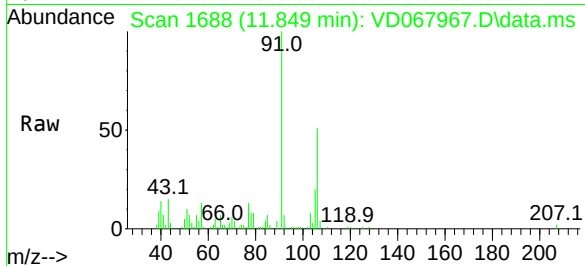




#68
m/p-Xylenes
Concen: 2.36 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. -0.006 min
Lab File: VD067967.D
Acq: 29 Dec 2020 15:59

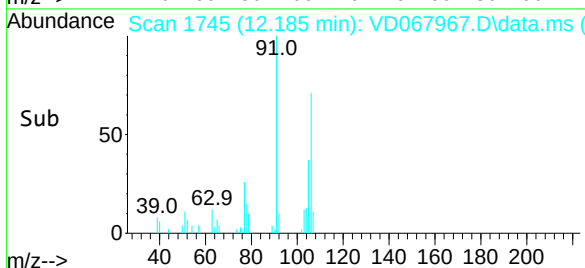
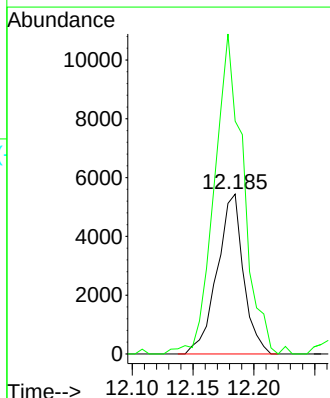
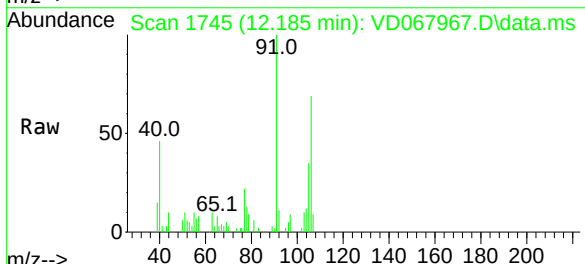
Instrument :
MSVOA_D
ClientSampleId :
TR-05-122920

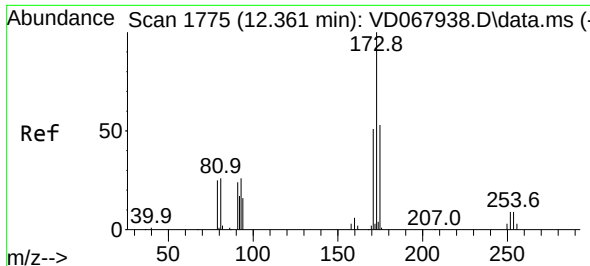
Tgt Ion:106 Resp: 20854
Ion Ratio Lower Upper
106 100
91 200.6 159.9 239.9



#69
o-Xylene
Concen: 1.03 ug/l
RT: 12.185 min Scan# 1745
Delta R.T. 0.000 min
Lab File: VD067967.D
Acq: 29 Dec 2020 15:59

Tgt Ion:106 Resp: 8163
Ion Ratio Lower Upper
106 100
91 220.4 106.0 317.9

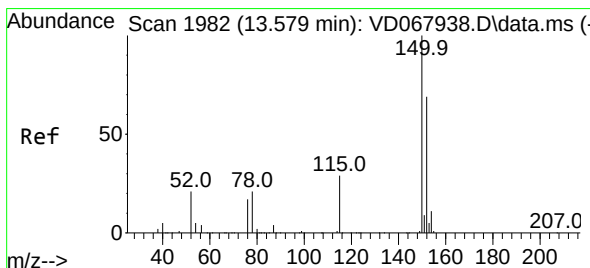
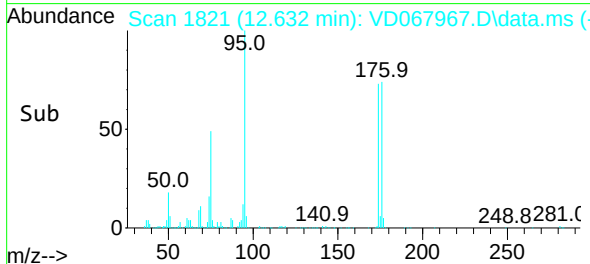
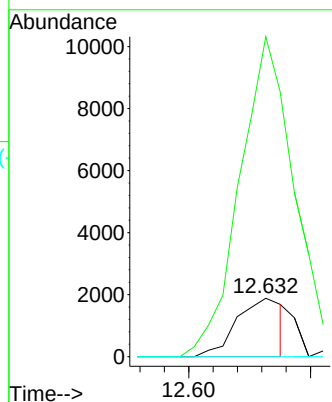
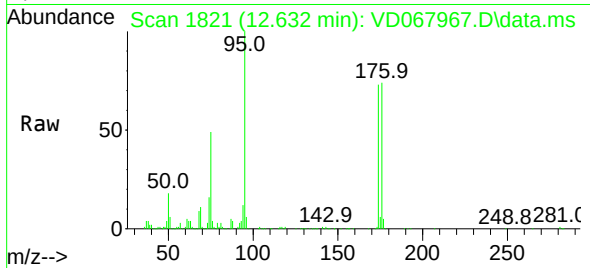




#71
Bromoform
Concen: 1.05 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.271 min
Lab File: VD067967.D
Acq: 29 Dec 2020 15:59

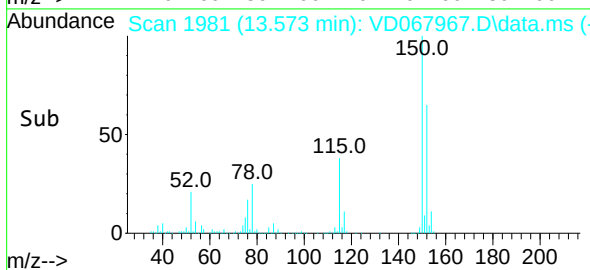
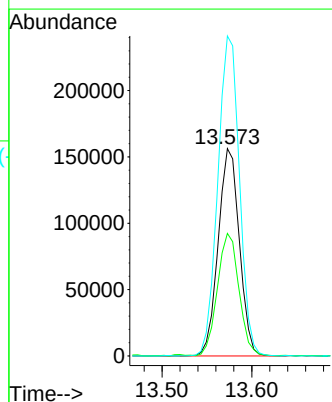
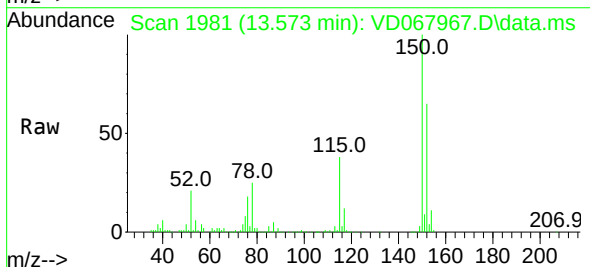
Instrument :
MSVOA_D
ClientSampleId :
TR-05-122920

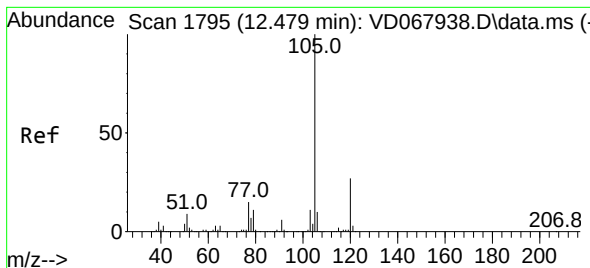
Tgt Ion:173 Resp: 2468
Ion Ratio Lower Upper
173 100
175 506.0 24.6 73.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.006 min
Lab File: VD067967.D
Acq: 29 Dec 2020 15:59

Tgt Ion:152 Resp: 256100
Ion Ratio Lower Upper
152 100
115 59.9 29.3 88.0
150 157.5 0.0 340.0

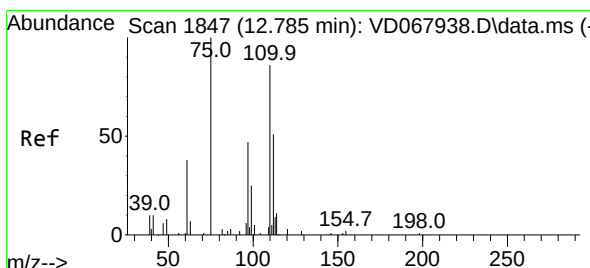
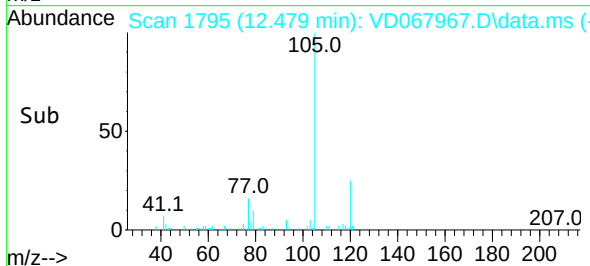
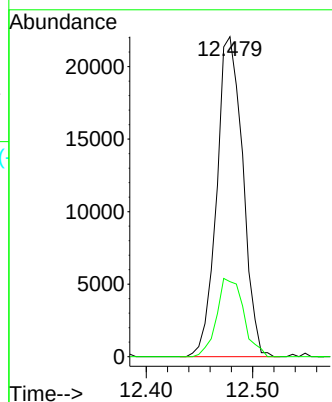
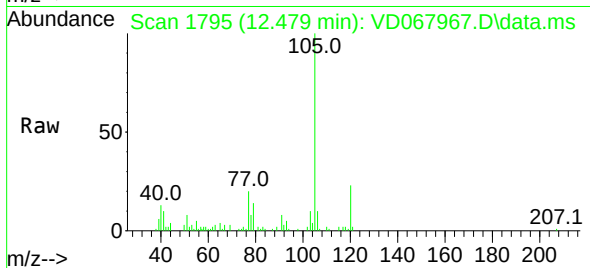




#73
Isopropylbenzene
Concen: 1.97 ug/l
RT: 12.479 min Scan# 1795
Delta R.T. 0.000 min
Lab File: VD067967.D
Acq: 29 Dec 2020 15:59

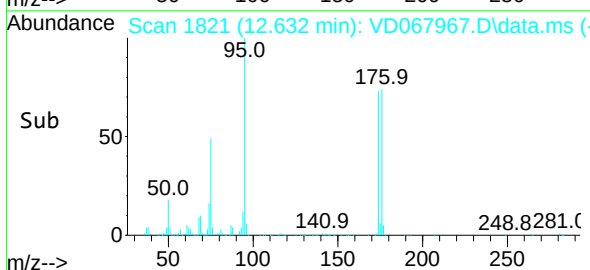
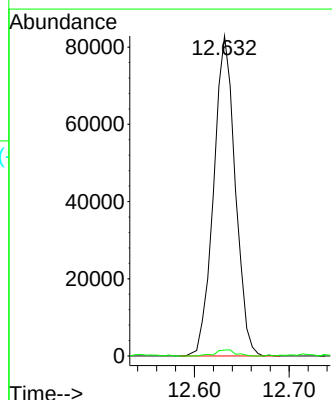
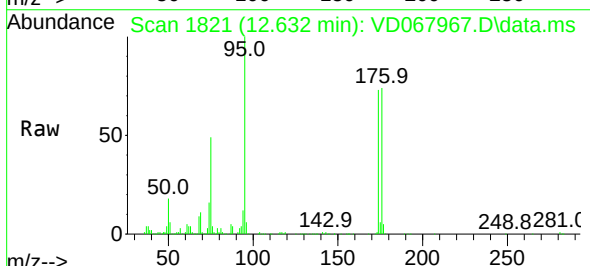
Instrument :
MSVOA_D
ClientSampleId :
TR-05-122920

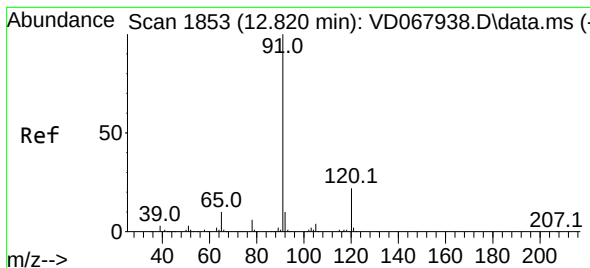
Tgt Ion:105 Resp: 37446
Ion Ratio Lower Upper
105 100
120 25.2 13.4 40.1



#76
1,2,3-Trichloropropane
Concen: 60.90 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD067967.D
Acq: 29 Dec 2020 15:59

Tgt Ion: 75 Resp: 131317
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#

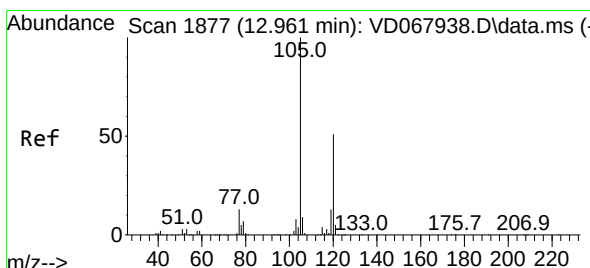
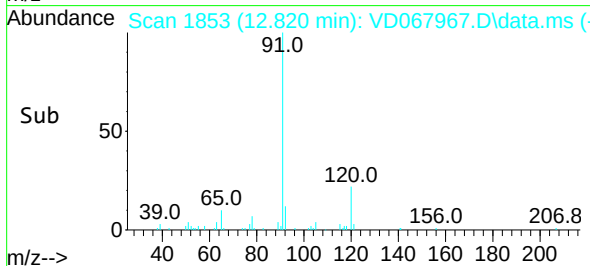
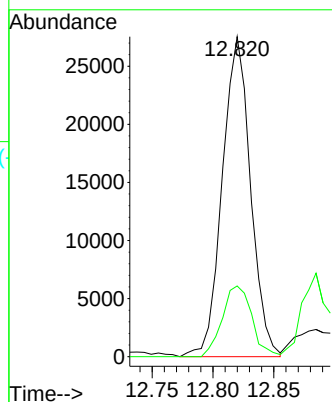
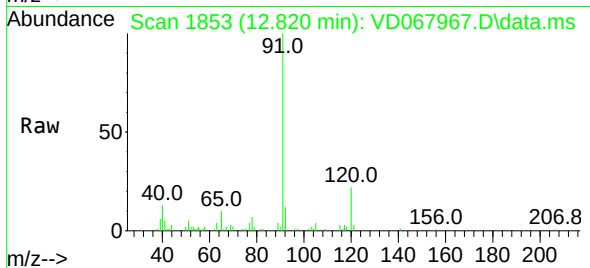




#78
n-propylbenzene
Concen: 1.88 ug/l
RT: 12.820 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VD067967.D
Acq: 29 Dec 2020 15:59

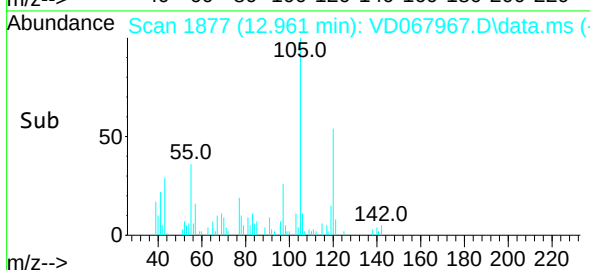
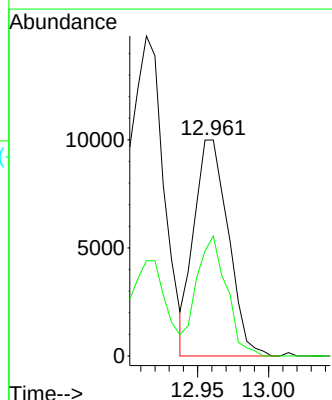
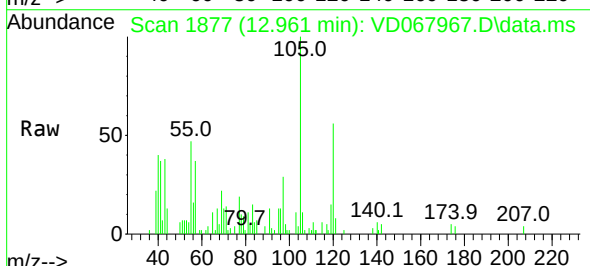
Instrument :
MSVOA_D
ClientSampleId :
TR-05-122920

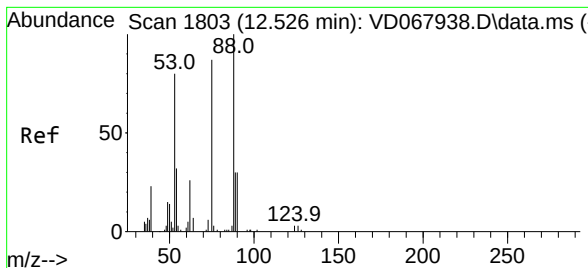
Tgt Ion: 91 Resp: 44489
Ion Ratio Lower Upper
91 100
120 23.1 11.2 33.5



#80
1,3,5-Trimethylbenzene
Concen: 1.06 ug/l
RT: 12.961 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VD067967.D
Acq: 29 Dec 2020 15:59

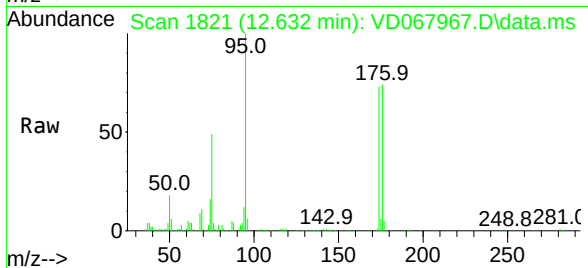
Tgt Ion:105 Resp: 16788
Ion Ratio Lower Upper
105 100
120 48.9 24.9 74.6



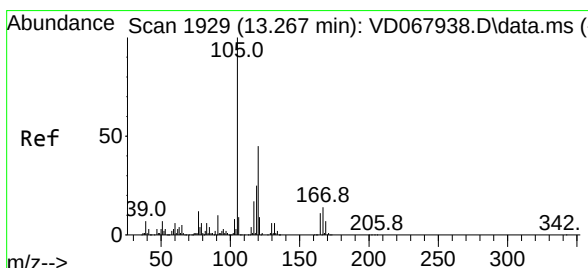
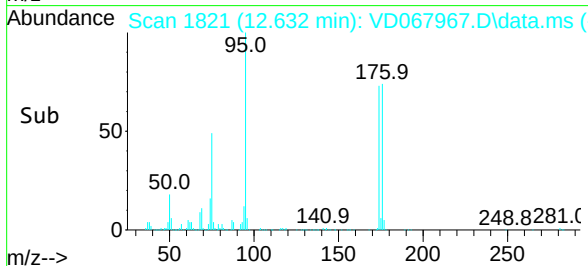
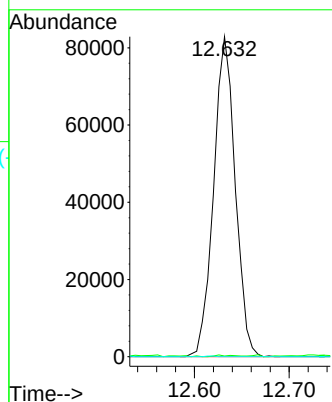


#81
trans-1,4-Dichloro-2-butene
Concen: 124.84 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD067967.D
Acq: 29 Dec 2020 15:59

Instrument :
MSVOA_D
ClientSampleId :
TR-05-122920

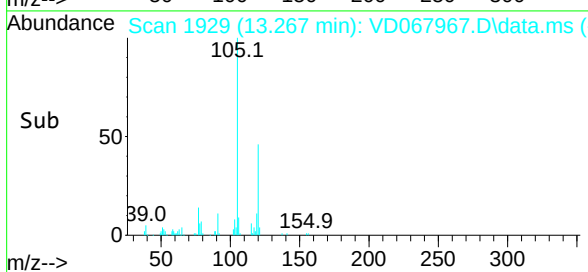
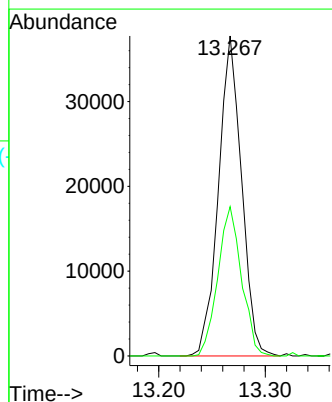
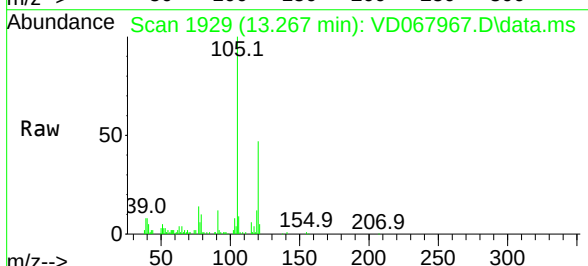


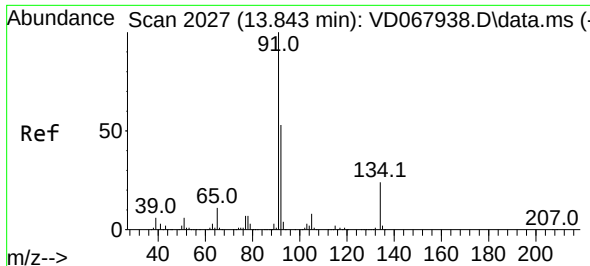
Tgt Ion: 75 Resp: 131317
Ion Ratio Lower Upper
75 100
53 0.4 74.9 112.3#
89 0.1 33.8 50.8#



#84
1,2,4-Trimethylbenzene
Concen: 3.58 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.000 min
Lab File: VD067967.D
Acq: 29 Dec 2020 15:59

Tgt Ion: 105 Resp: 56752
Ion Ratio Lower Upper
105 100
120 47.8 22.7 68.0

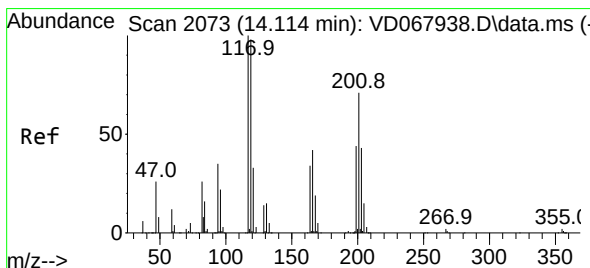
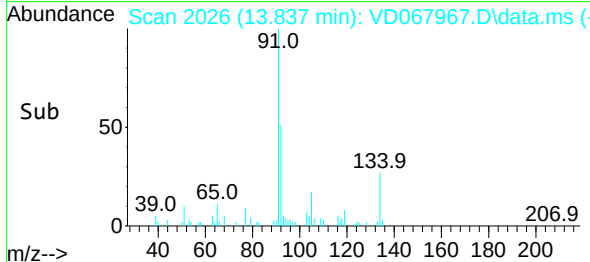
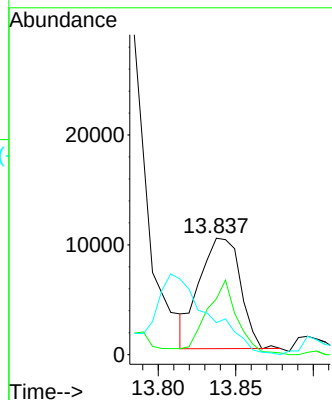
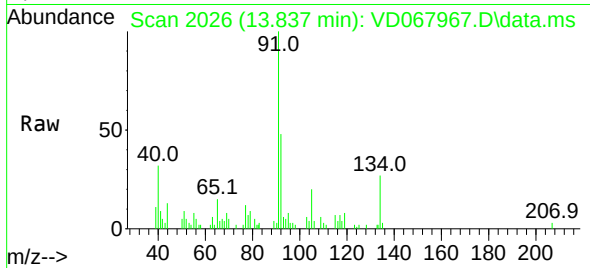




#89
n-Butylbenzene
Concen: 1.12 ug/l
RT: 13.837 min Scan# 2026
Delta R.T. -0.006 min
Lab File: VD067967.D
Acq: 29 Dec 2020 15:59

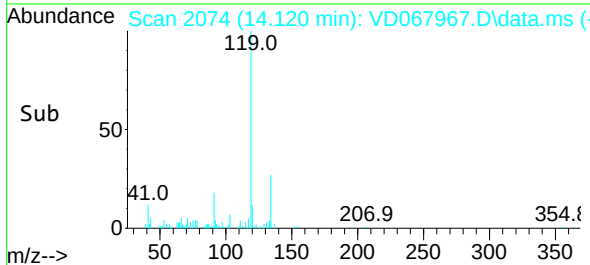
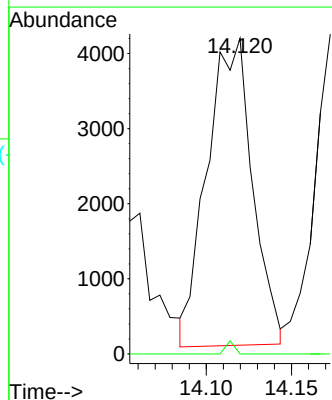
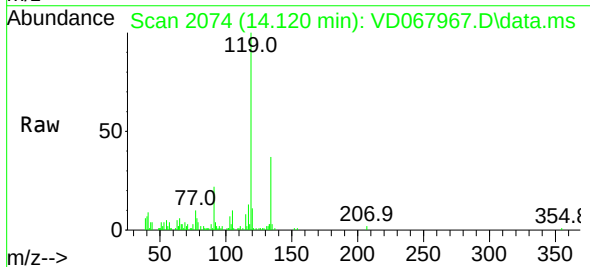
Instrument :
MSVOA_D
ClientSampleId :
TR-05-122920

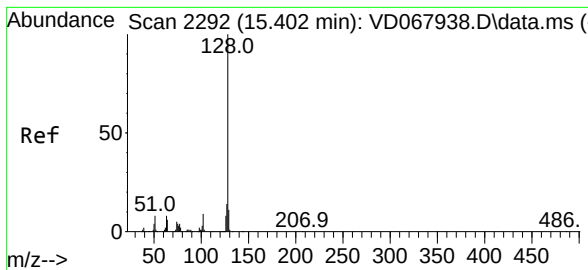
Tgt Ion: 91	Resp: 18492
Ion Ratio	Lower Upper
91	100
92	50.7 26.8 80.3
134	0.0 12.3 36.9#



#90
Hexachloroethane
Concen: 2.21 ug/l
RT: 14.120 min Scan# 2074
Delta R.T. 0.006 min
Lab File: VD067967.D
Acq: 29 Dec 2020 15:59

Tgt Ion: 117	Resp: 7561
Ion Ratio	Lower Upper
117	100
201	0.8 34.3 102.8#





#95
Naphthalene
Concen: 4.36 ug/l
RT: 15.402 min Scan# 2292
Delta R.T. 0.000 min
Lab File: VD067967.D
Acq: 29 Dec 2020 15:59

Instrument :
MSVOA_D
ClientSampleId :
TR-05-122920

Tgt Ion:128 Resp: 33314
Ion Ratio Lower Upper
128 100
127 15.5 11.2 16.8
129 15.1 8.6 12.8#

