

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042821\
 Data File : VD069006.D
 Acq On : 28 Apr 2021 16:08
 Operator : VA/SY
 Sample : M2196-03
 Misc : 5.27G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

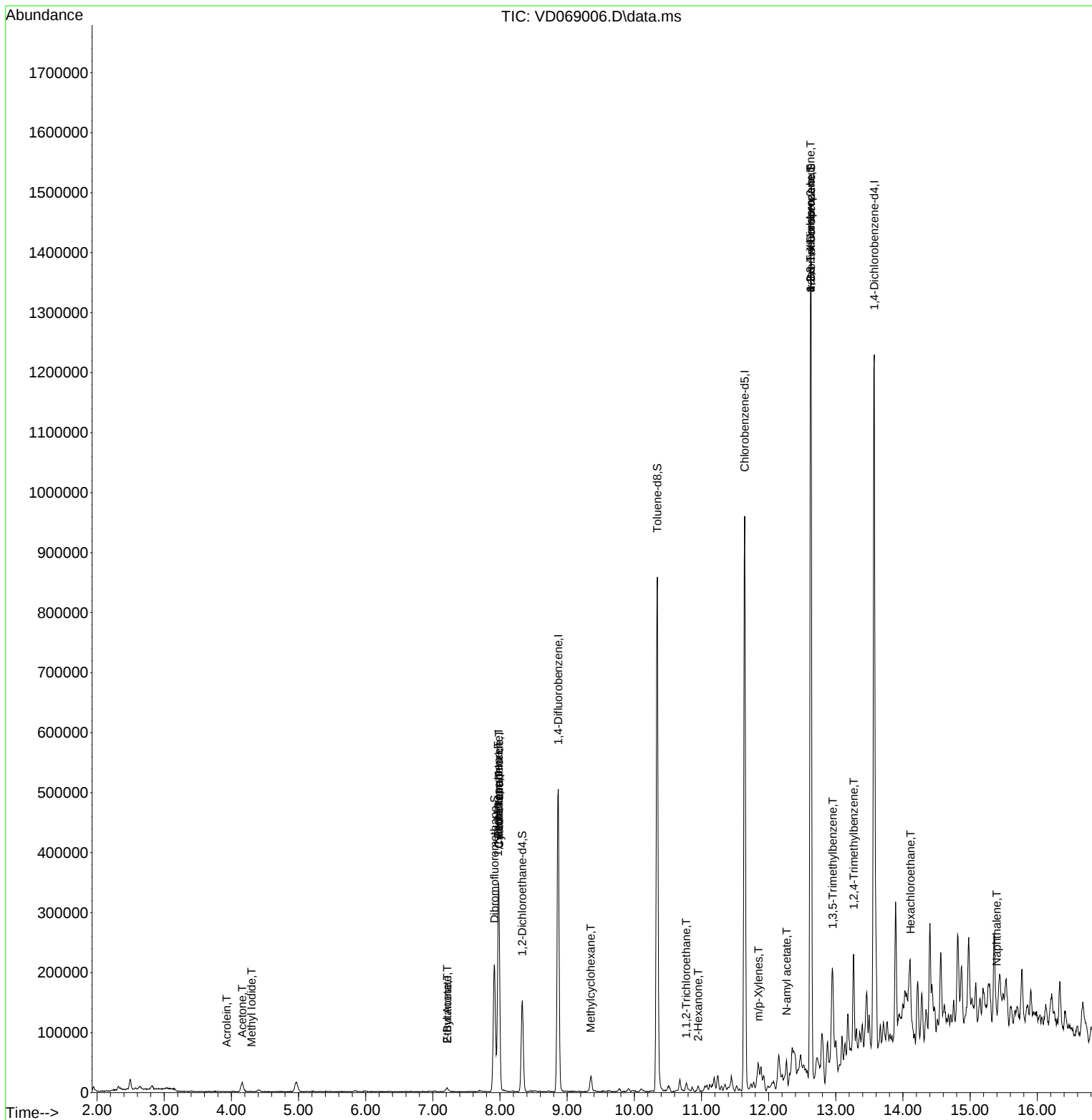
Quant Time: Apr 29 06:32:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

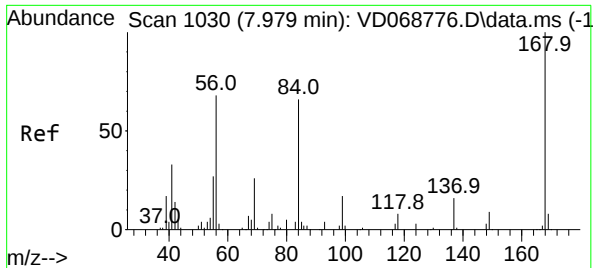
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	266031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	465564	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	582589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	332919	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	119027	42.33	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.66%		
35) Dibromofluoromethane	7.920	113	150451	49.68	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.36%		
50) Toluene-d8	10.344	98	602723	52.76	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	105.52%		
62) 4-Bromofluorobenzene	12.632	95	294929	77.73	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	155.46%#		
Target Compounds					Qvalue	
10) Methyl Iodide	4.303	142	180	2.30	ug/l #	41
11) Tert butyl alcohol	5.220	59	373	Below Cal	#	73
13) Acrolein	3.932	56	142	1.28	ug/l #	16
16) Acetone	4.162	43	24512	62.96	ug/l	98
20) Methylene Chloride	4.973	84	13420	Below Cal	#	86
25) 2-Butanone	7.214	43	6439	11.69	ug/l	95
31) Cyclohexane	7.985	56	7434	1.59	ug/l #	43
36) 1,1-Dichloropropene	7.973	75	19572	4.15	ug/l #	49
37) Ethyl Acetate	7.214	43	6439	4.65	ug/l #	66
38) Carbon Tetrachloride	7.985	117	25383	5.44	ug/l #	16
39) Methylcyclohexane	9.349	83	10086	1.84	ug/l	87
55) 1,1,2-Trichloroethane	10.773	97	4737	1.83	ug/l #	21
59) 2-Hexanone	10.949	43	2632	2.77	ug/l #	19
68) m/p-Xylenes	11.849	106	9302	1.10	ug/l	91
74) N-amyl acetate	12.267	43	9138	2.22	ug/l #	48
76) 1,2,3-Trichloropropane	12.626	75	149975	49.31	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.955	105	26745	1.32	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.626	75	149975	114.44	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.267	105	101943	4.97	ug/l	99
90) Hexachloroethane	14.114	117	4764	1.08	ug/l #	14
95) Naphthalene	15.396	128	22546	2.09	ug/l #	79

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

Quant Time: Apr 29 06:32:46 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 08 03:50:31 2021
Response via : Initial Calibration

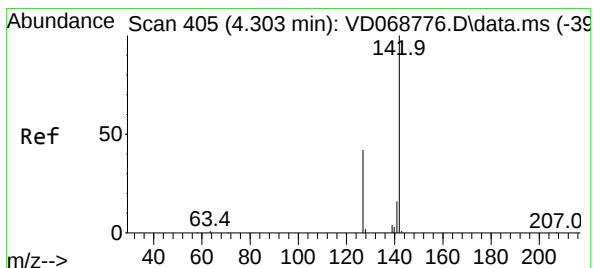
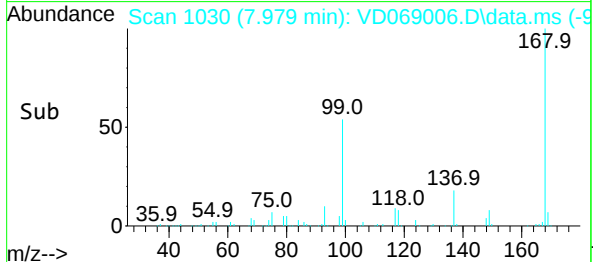
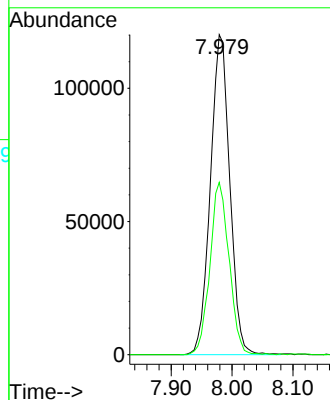
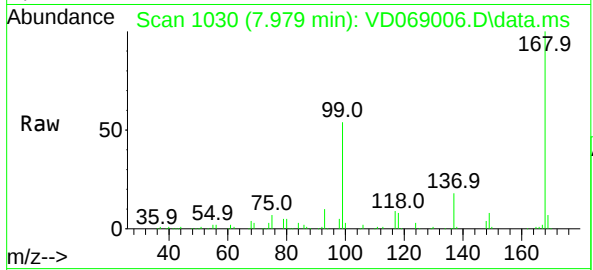




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069006.D
Acq: 28 Apr 2021 16:08

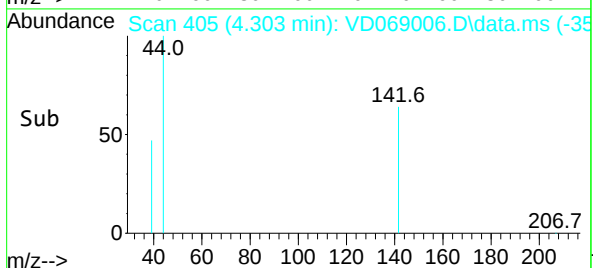
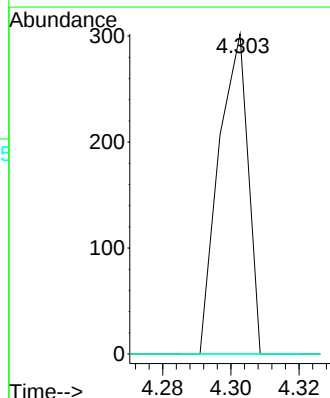
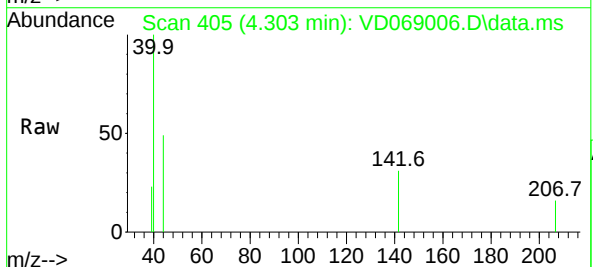
Instrument :
MSVOA_D
ClientSampled :

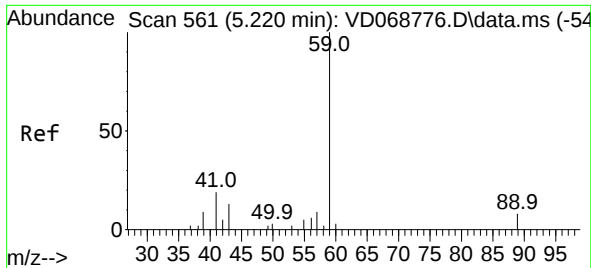
Tgt Ion:168 Resp: 266031
Ion Ratio Lower Upper
168 100
99 53.9 46.2 69.2



#10
Methyl Iodide
Concen: 2.30 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD069006.D
Acq: 28 Apr 2021 16:08

Tgt Ion:142 Resp: 180
Ion Ratio Lower Upper
142 100
127 0.0 34.7 52.1#
141 0.0 11.0 16.4#

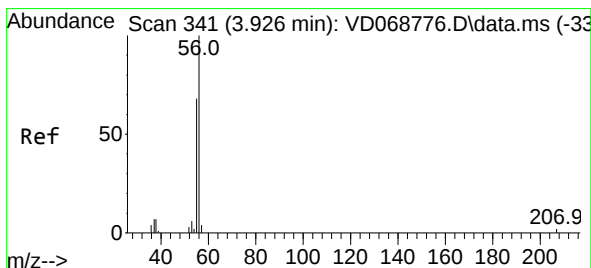
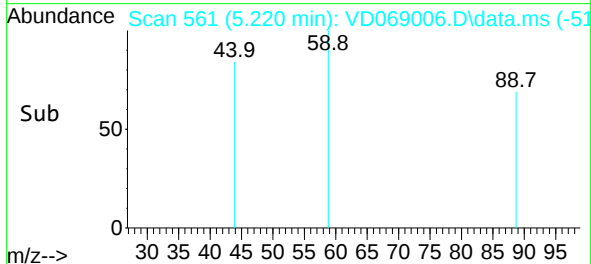
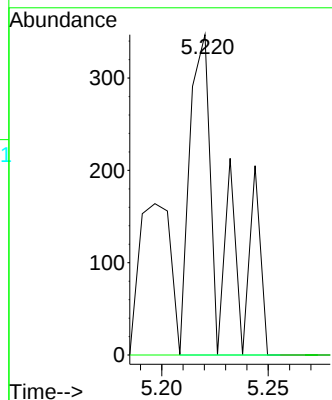
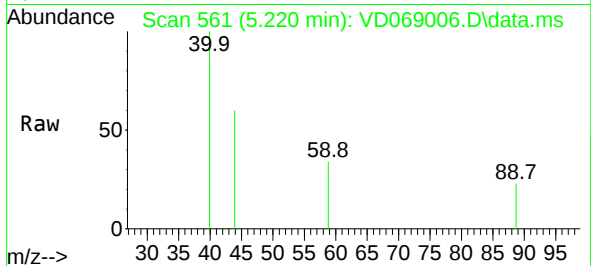




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. 0.000 min
Lab File: VD069006.D
Acq: 28 Apr 2021 16:08

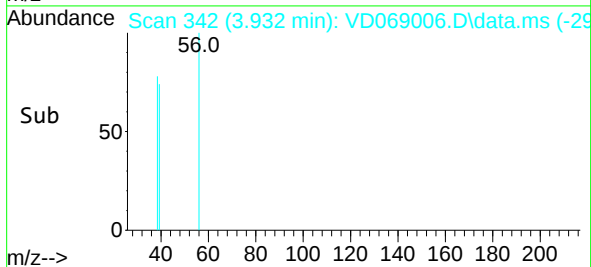
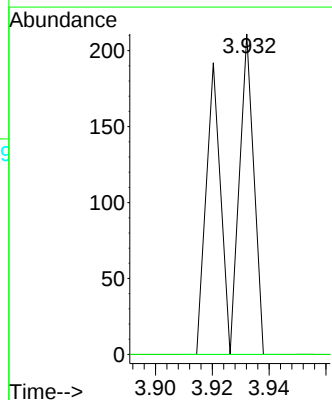
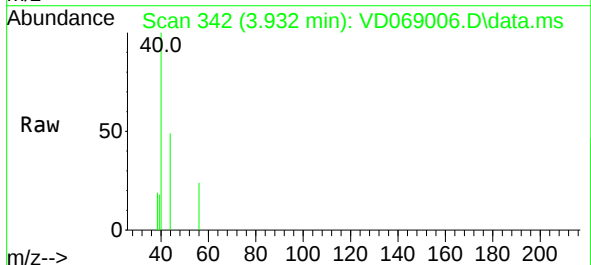
Instrument :
MSVOA_D
ClientSampled :

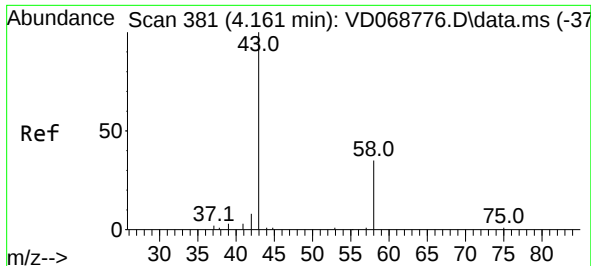
Tgt Ion: 59 Resp: 373
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 1.28 ug/l
RT: 3.932 min Scan# 342
Delta R.T. 0.006 min
Lab File: VD069006.D
Acq: 28 Apr 2021 16:08

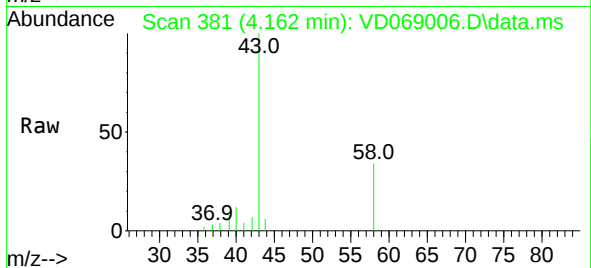
Tgt Ion: 56 Resp: 142
Ion Ratio Lower Upper
56 100
55 0.0 54.7 82.1#



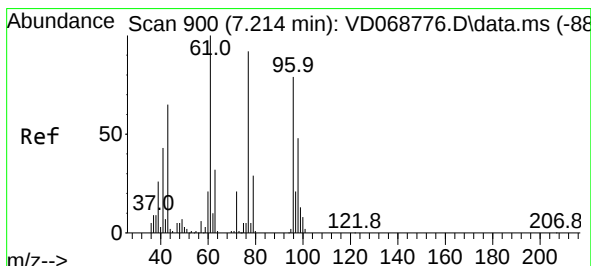
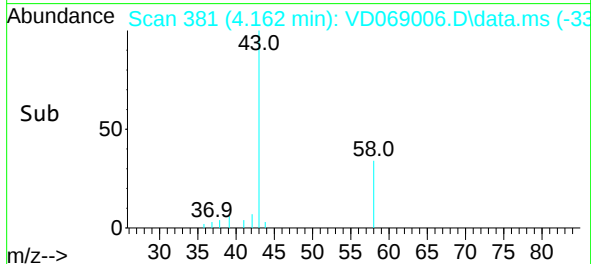
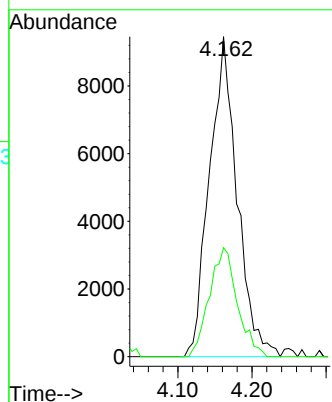


#16
Acetone
Concen: 62.96 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.001 min
Lab File: VD069006.D
Acq: 28 Apr 2021 16:08

Instrument :
MSVOA_D
ClientSampled :

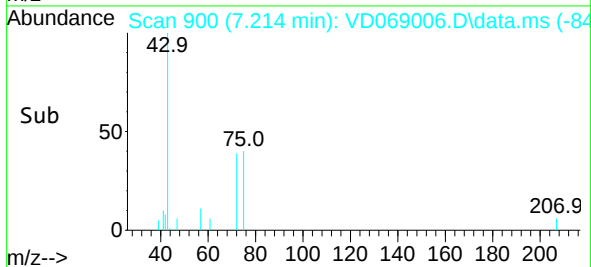
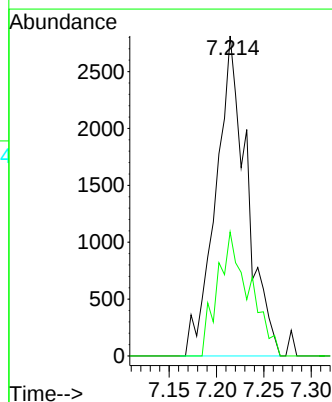
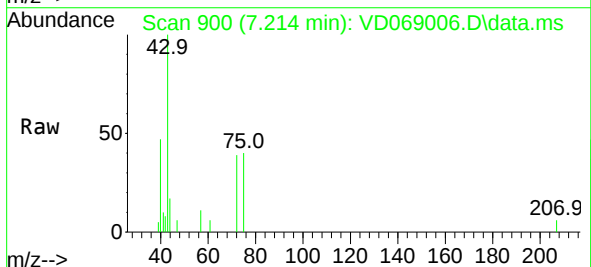


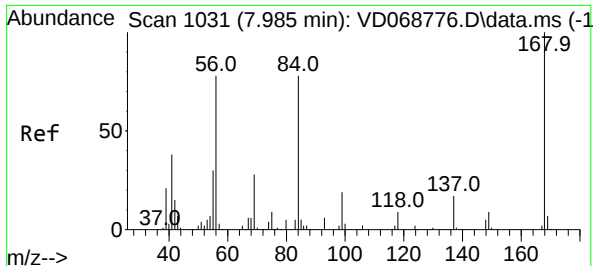
Tgt Ion: 43 Resp: 24512
Ion Ratio Lower Upper
43 100
58 34.1 28.0 42.0



#25
2-Butanone
Concen: 11.69 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD069006.D
Acq: 28 Apr 2021 16:08

Tgt Ion: 43 Resp: 6439
Ion Ratio Lower Upper
43 100
72 38.7 28.6 43.0

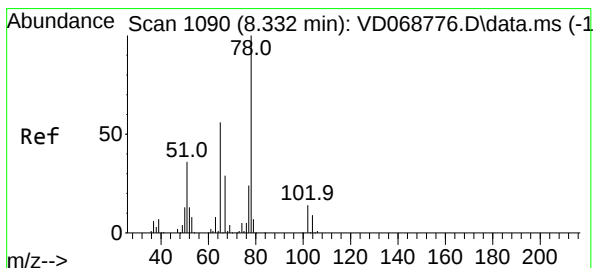
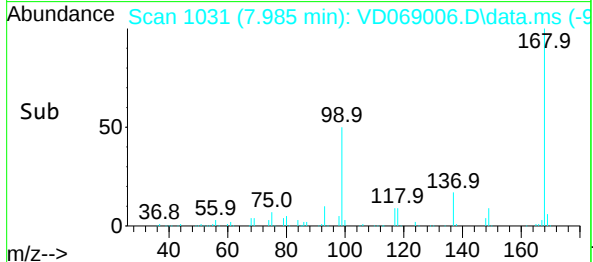
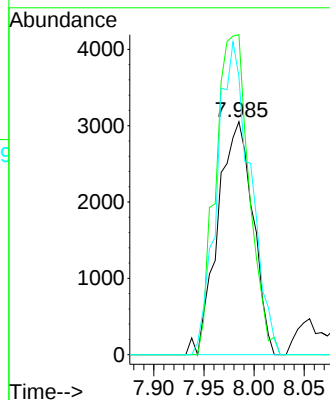
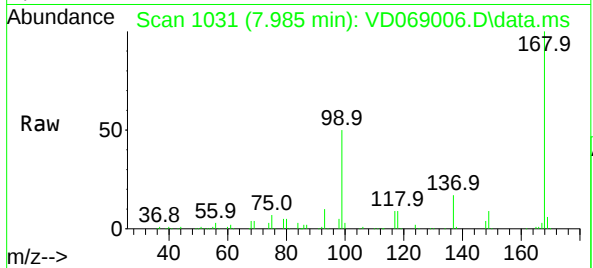




#31
Cyclohexane
Concen: 1.59 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD069006.D
Acq: 28 Apr 2021 16:08

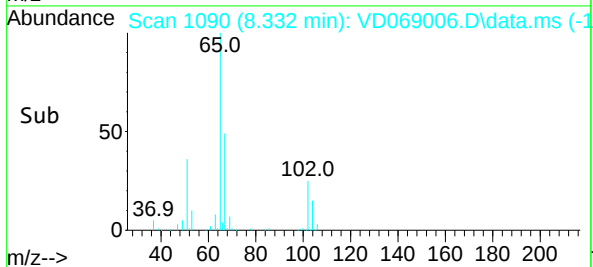
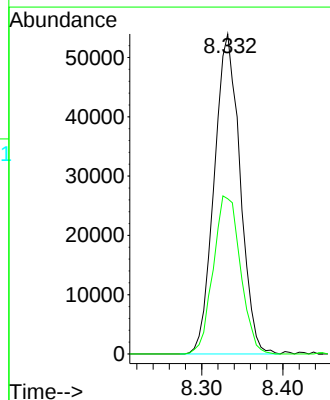
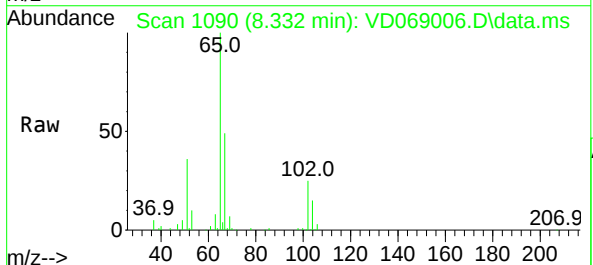
Instrument :
MSVOA_D
ClientSampled :

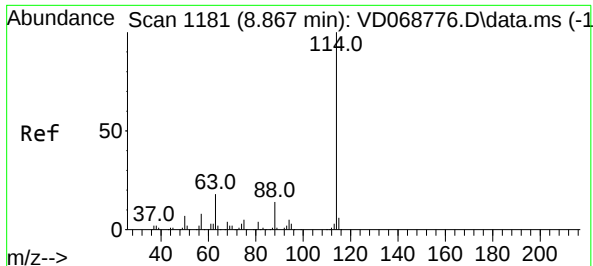
Tgt Ion: 56 Resp: 7434
Ion Ratio Lower Upper
56 100
69 137.4 30.0 45.0#
84 119.3 82.0 123.0



#33
1,2-Dichloroethane-d4
Concen: 42.33 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069006.D
Acq: 28 Apr 2021 16:08

Tgt Ion: 65 Resp: 119027
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.0



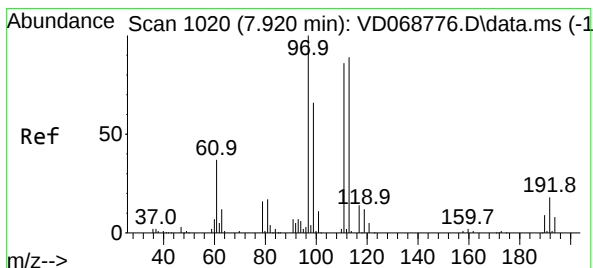
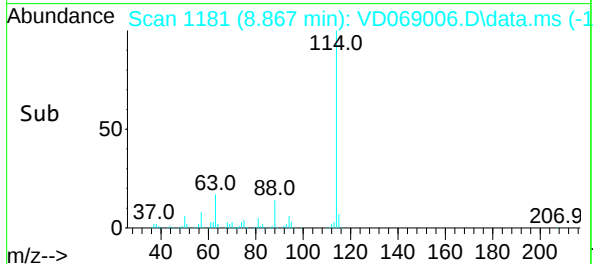
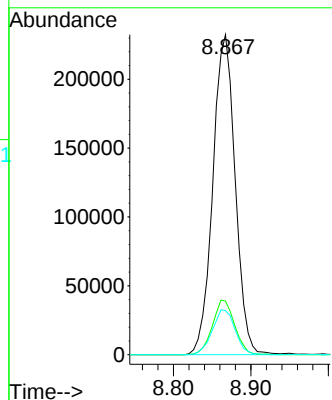
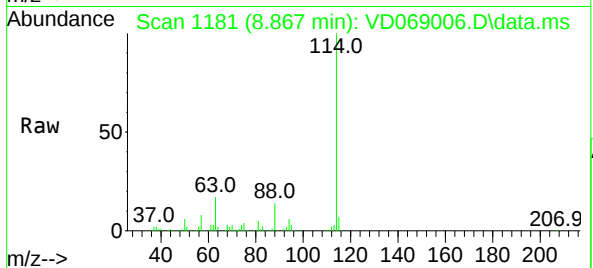


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069006.D
Acq: 28 Apr 2021 16:08

Instrument :
MSVOA_D
ClientSampled :

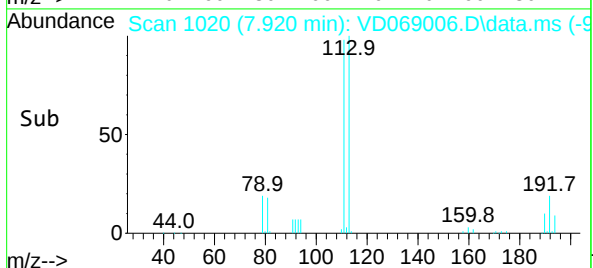
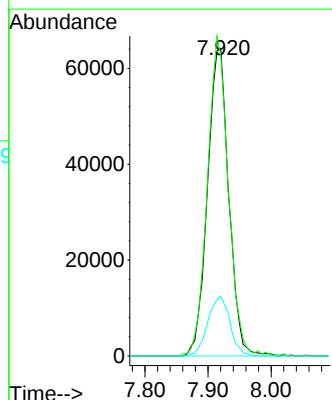
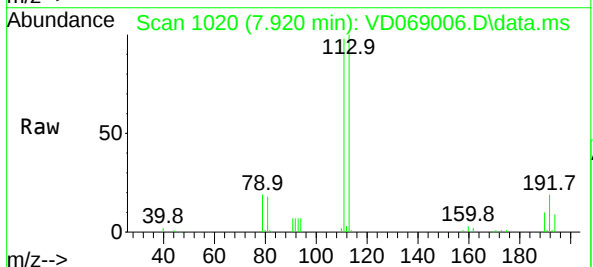
Tgt Ion:114 Resp: 465564
Ion Ratio Lower Upper
114 100
63 16.7 0.0 38.2
88 13.8 0.0 29.4

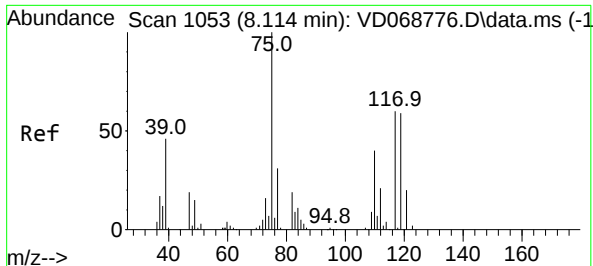


#35

Dibromofluoromethane
Concen: 49.68 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD069006.D
Acq: 28 Apr 2021 16:08

Tgt Ion:113 Resp: 150451
Ion Ratio Lower Upper
113 100
111 101.8 82.5 123.7
192 20.0 15.1 22.7

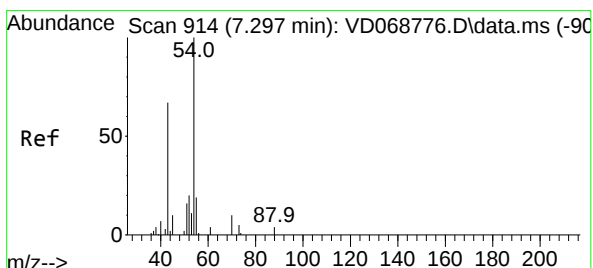
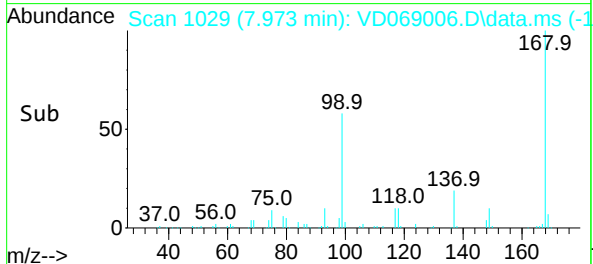
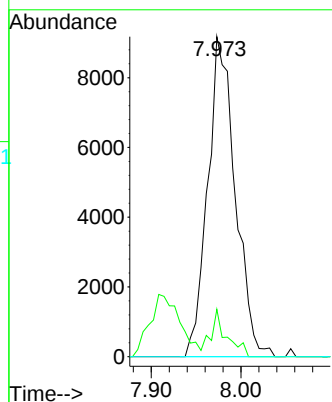
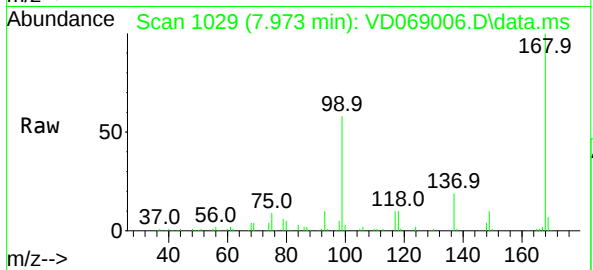




#36
1,1-Dichloropropene
Concen: 4.15 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.141 min
Lab File: VD069006.D
Acq: 28 Apr 2021 16:08

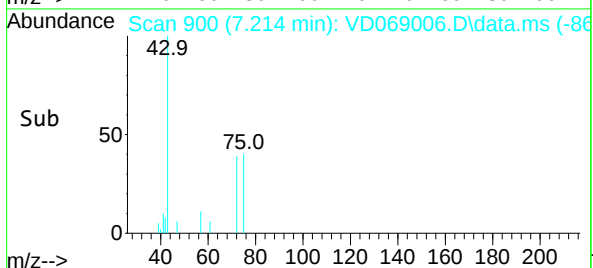
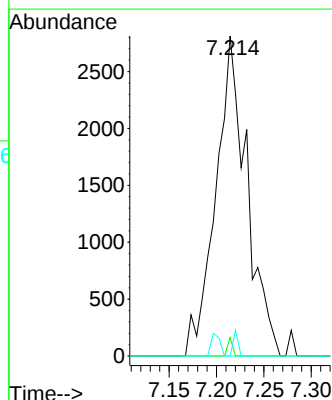
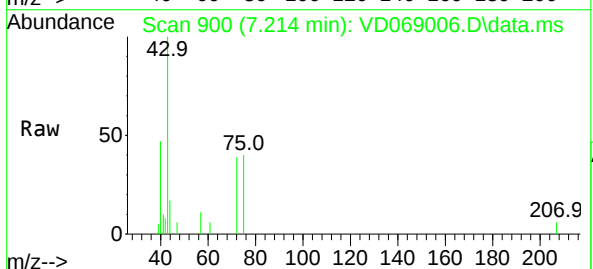
Instrument :
MSVOA_D
ClientSampled :

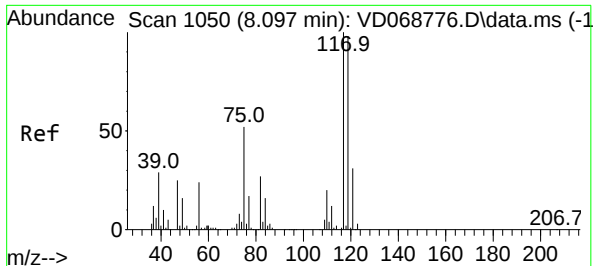
Tgt Ion: 75 Resp: 19572
Ion Ratio Lower Upper
75 100
110 8.4 18.1 54.4#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 4.65 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.083 min
Lab File: VD069006.D
Acq: 28 Apr 2021 16:08

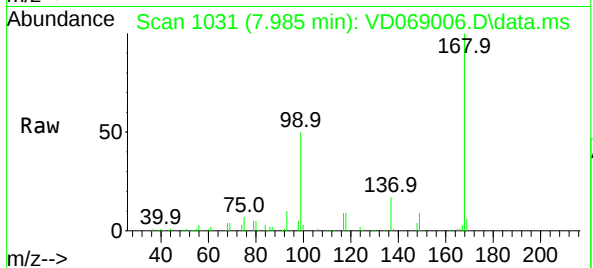
Tgt Ion: 43 Resp: 6439
Ion Ratio Lower Upper
43 100
61 0.9 14.2 21.4#
70 1.2 9.4 14.0#



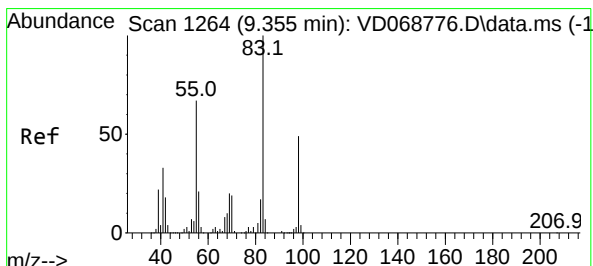
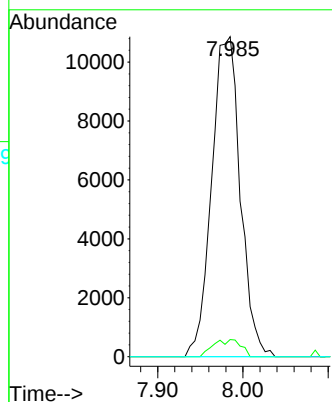
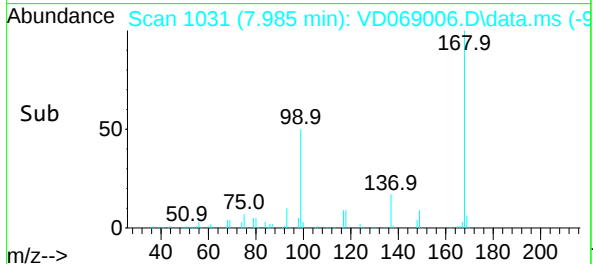


#38
Carbon Tetrachloride
Concen: 5.44 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD069006.D
Acq: 28 Apr 2021 16:08

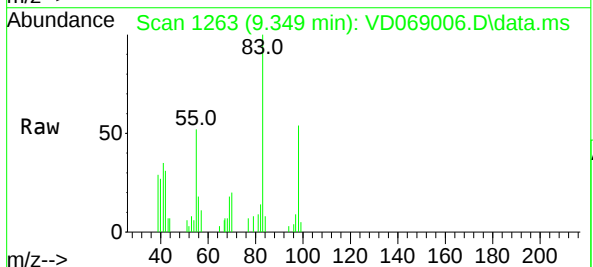
Instrument :
MSVOA_D
ClientSampled :



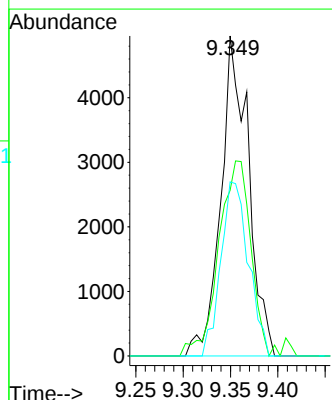
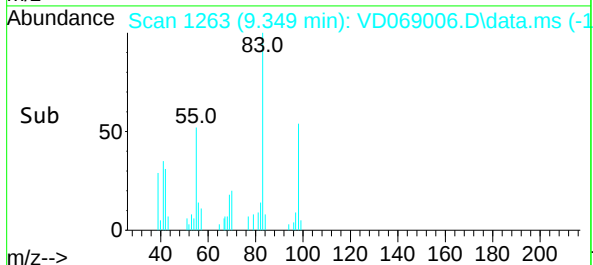
Tgt Ion: 117 Resp: 25383
Ion Ratio Lower Upper
117 100
119 5.4 76.6 115.0#
121 0.0 26.1 39.1#

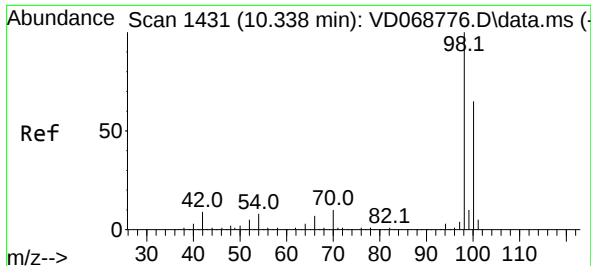


#39
Methylcyclohexane
Concen: 1.84 ug/l
RT: 9.349 min Scan# 1263
Delta R.T. -0.006 min
Lab File: VD069006.D
Acq: 28 Apr 2021 16:08



Tgt Ion: 83 Resp: 10086
Ion Ratio Lower Upper
83 100
55 51.7 51.7 77.5
98 54.4 38.8 58.2

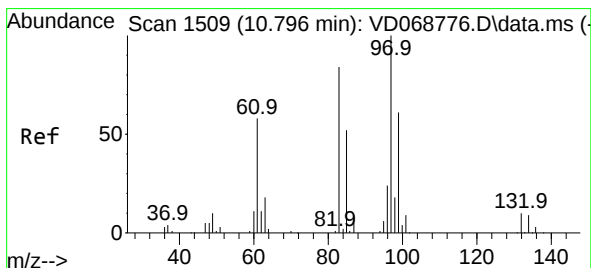
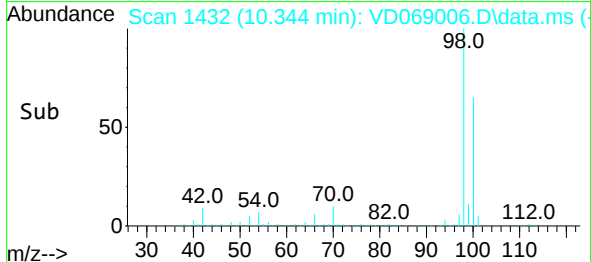
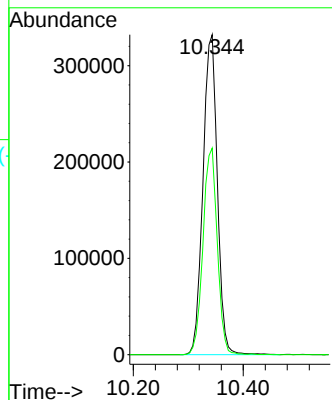
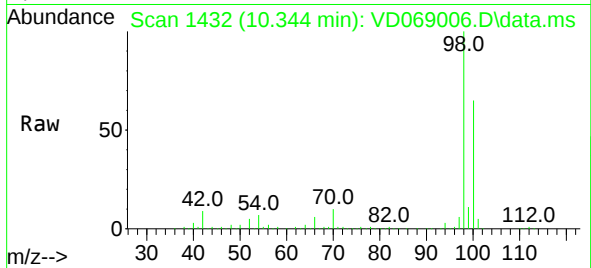




#50
Toluene-d8
Concen: 52.76 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.006 min
Lab File: VD069006.D
Acq: 28 Apr 2021 16:08

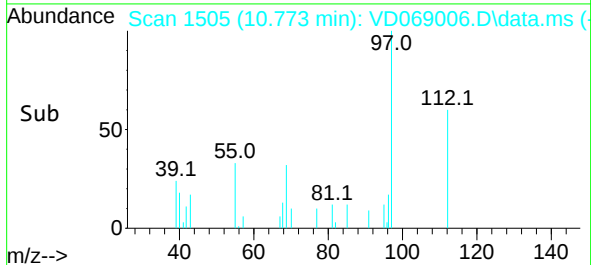
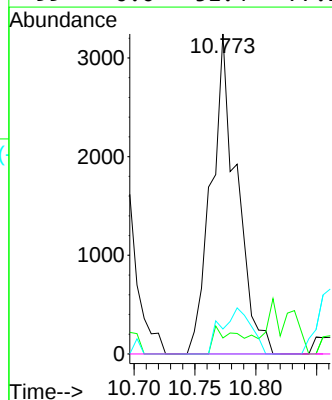
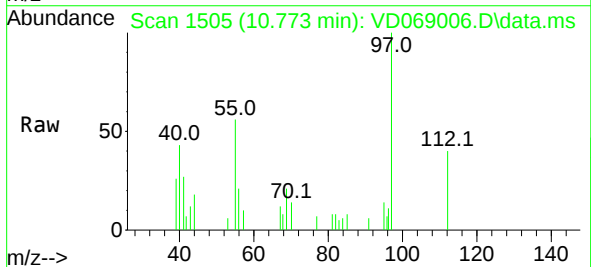
Instrument :
MSVOA_D
ClientSampled :

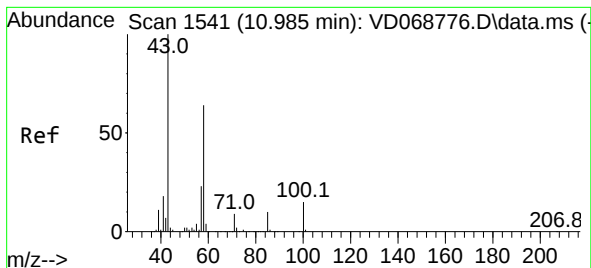
Tgt Ion: 98 Resp: 602723
Ion Ratio Lower Upper
98 100
100 64.2 51.8 77.6



#55
1,1,2-Trichloroethane
Concen: 1.83 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.023 min
Lab File: VD069006.D
Acq: 28 Apr 2021 16:08

Tgt Ion: 97 Resp: 4737
Ion Ratio Lower Upper
97 100
83 5.0 65.7 98.5#
85 7.8 44.3 66.5#
99 0.0 51.4 77.2#

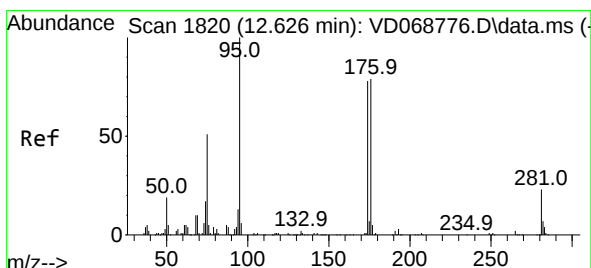
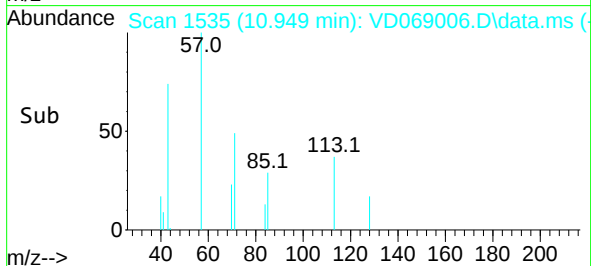
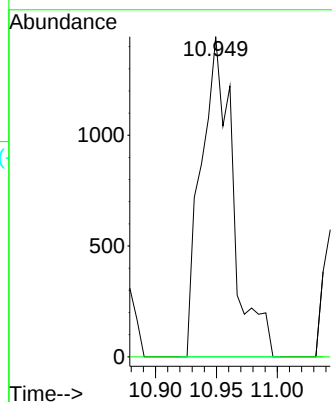
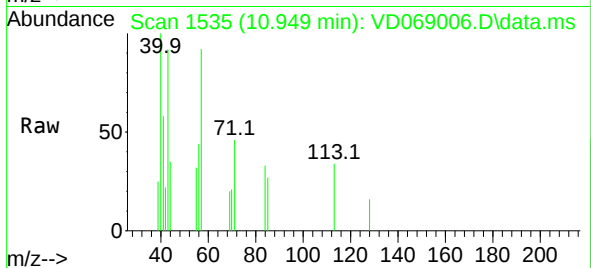




#59
2-Hexanone
Concen: 2.77 ug/l
RT: 10.949 min Scan# 1535
Delta R.T. -0.036 min
Lab File: VD069006.D
Acq: 28 Apr 2021 16:08

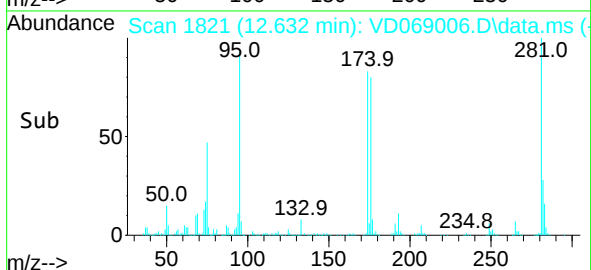
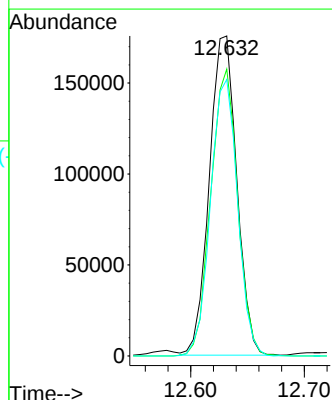
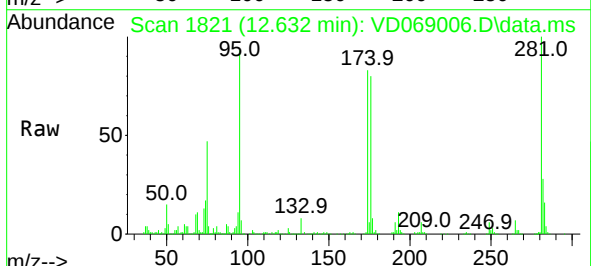
Instrument :
MSVOA_D
ClientSampled :

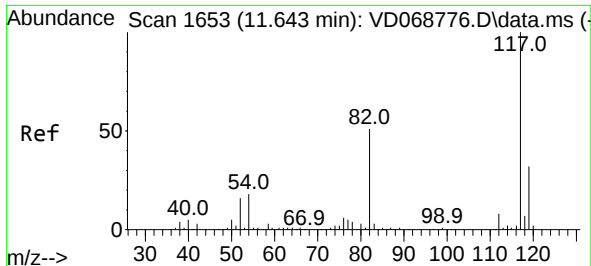
Tgt Ion: 43 Resp: 2632
Ion Ratio Lower Upper
43 100
58 0.0 31.3 93.8#



#62
4-Bromofluorobenzene
Concen: 77.73 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD069006.D
Acq: 28 Apr 2021 16:08

Tgt Ion: 95 Resp: 294929
Ion Ratio Lower Upper
95 100
174 87.9 0.0 168.0
176 85.3 0.0 160.2

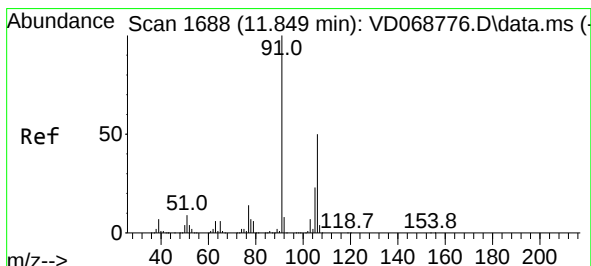
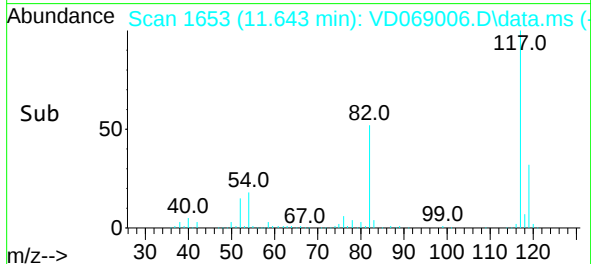
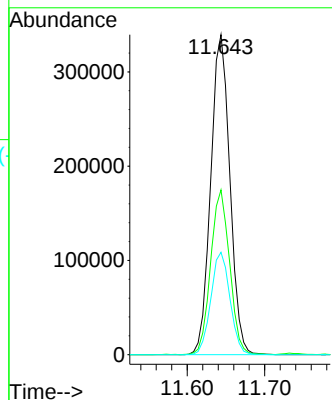
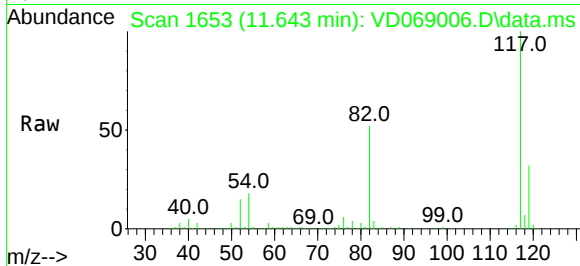




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069006.D
Acq: 28 Apr 2021 16:08

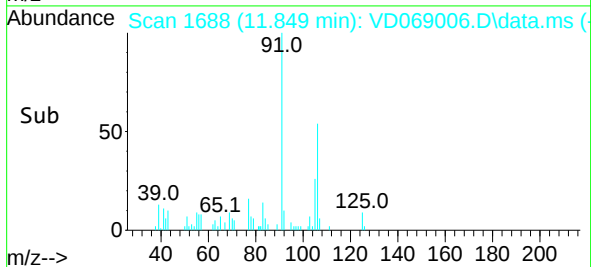
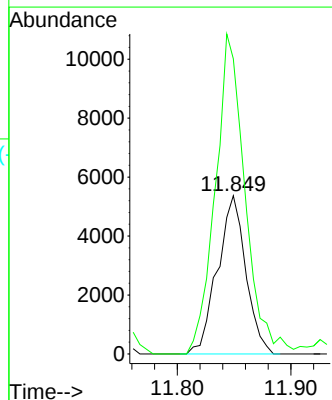
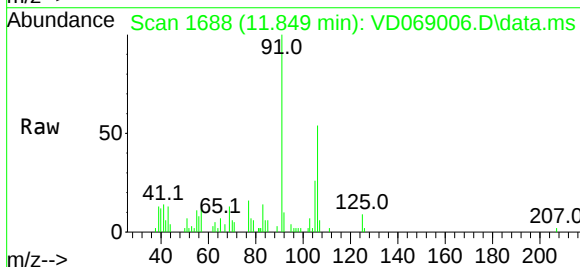
Instrument :
MSVOA_D
ClientSampled :

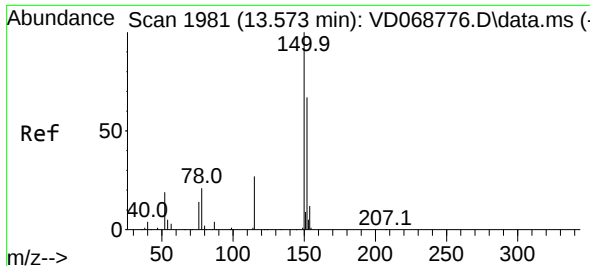
Tgt Ion:117 Resp: 582589
Ion Ratio Lower Upper
117 100
82 51.5 43.5 65.3
119 32.0 26.7 40.1



#68
m/p-Xylenes
Concen: 1.10 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VD069006.D
Acq: 28 Apr 2021 16:08

Tgt Ion:106 Resp: 9302
Ion Ratio Lower Upper
106 100
91 211.9 158.6 238.0

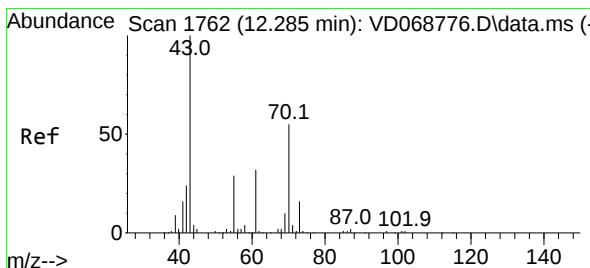
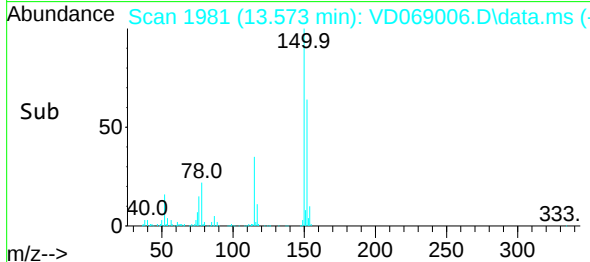
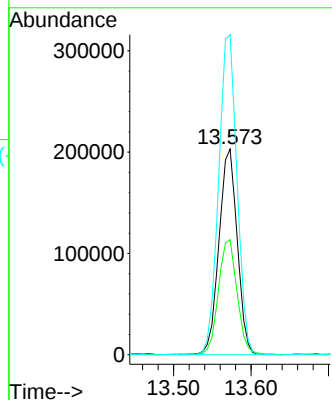
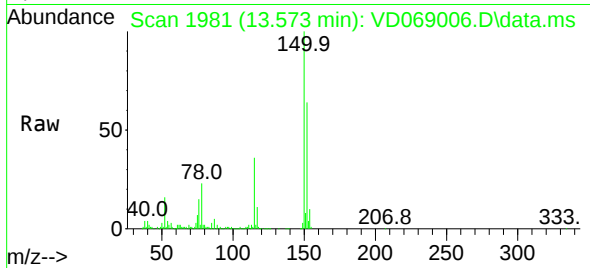




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD069006.D
Acq: 28 Apr 2021 16:08

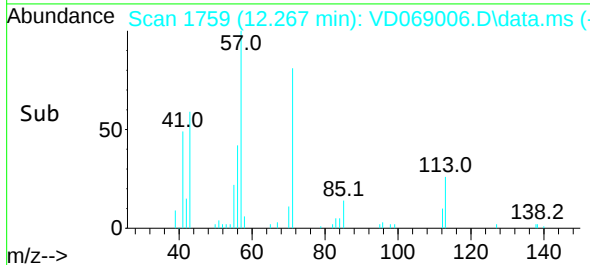
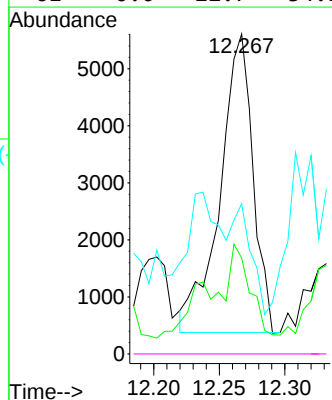
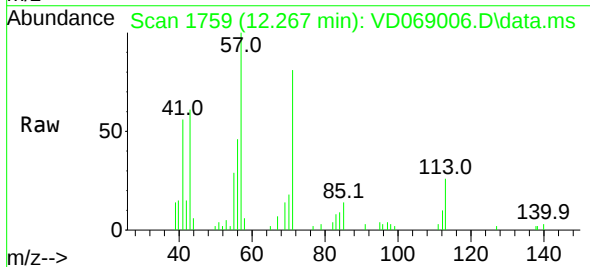
Instrument :
MSVOA_D
ClientSampleId :

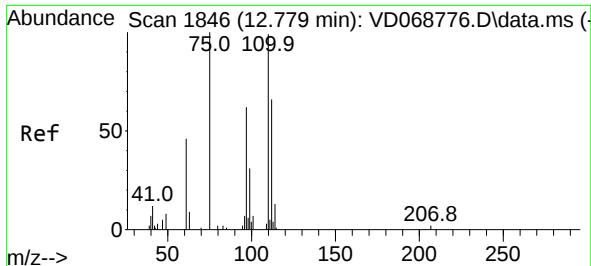
Tgt Ion:152 Resp: 332919
Ion Ratio Lower Upper
152 100
115 57.2 29.3 87.8
150 156.3 0.0 347.6



#74
N-ethyl acetate
Concen: 2.22 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.018 min
Lab File: VD069006.D
Acq: 28 Apr 2021 16:08

Tgt Ion: 43 Resp: 9138
Ion Ratio Lower Upper
43 100
70 17.2 41.9 62.9#
55 0.0 22.8 34.2#
61 0.0 22.7 34.1#

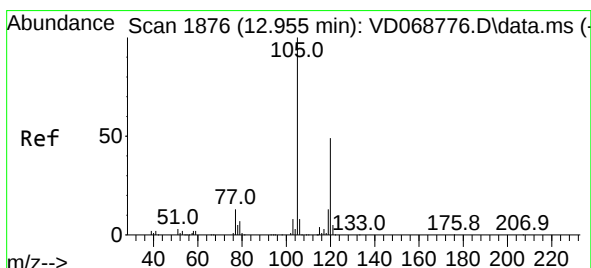
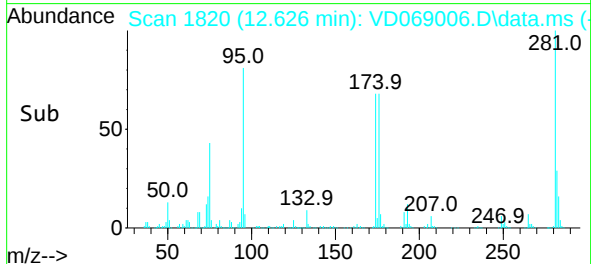
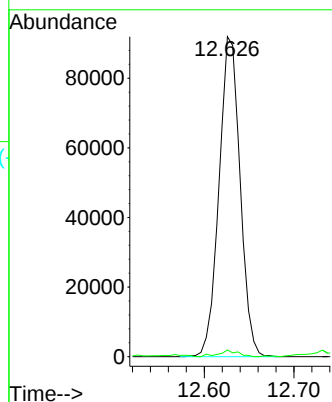
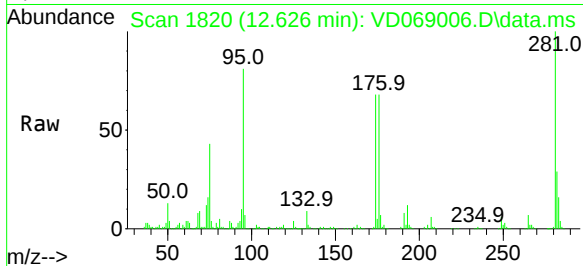




#76
1,2,3-Trichloropropane
Concen: 49.31 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069006.D
Acq: 28 Apr 2021 16:08

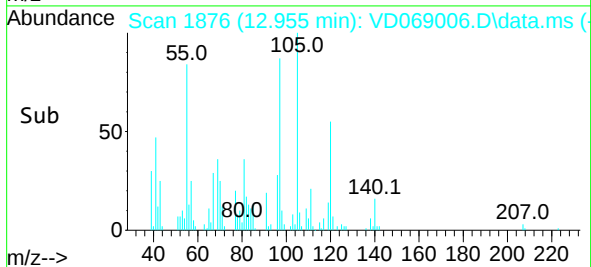
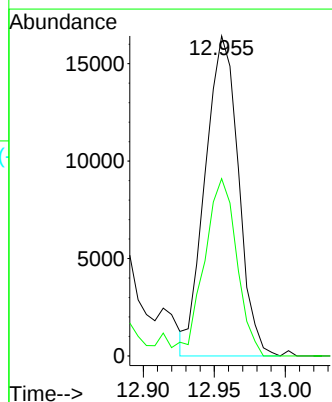
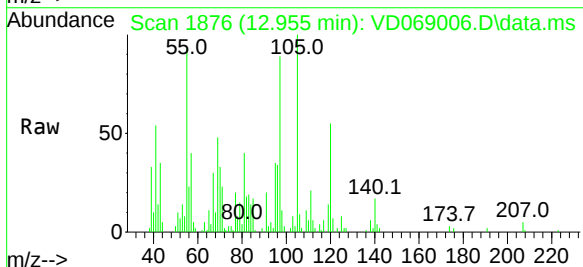
Instrument :
MSVOA_D
ClientSampleId :

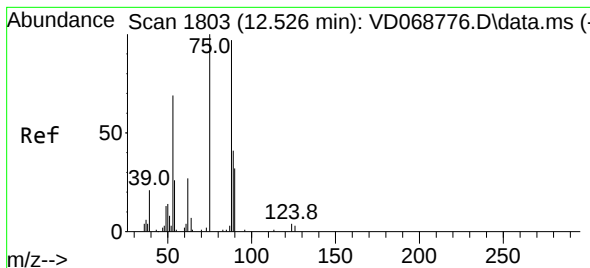
Tgt Ion: 75 Resp: 149975
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.32 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VD069006.D
Acq: 28 Apr 2021 16:08

Tgt Ion:105 Resp: 26745
Ion Ratio Lower Upper
105 100
120 54.2 24.9 74.7

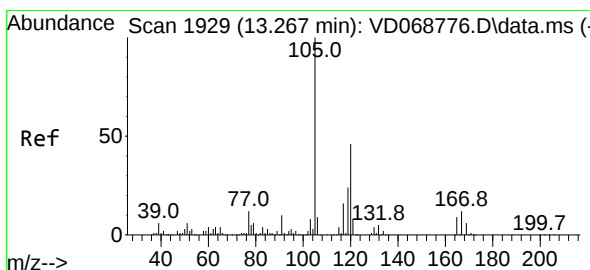
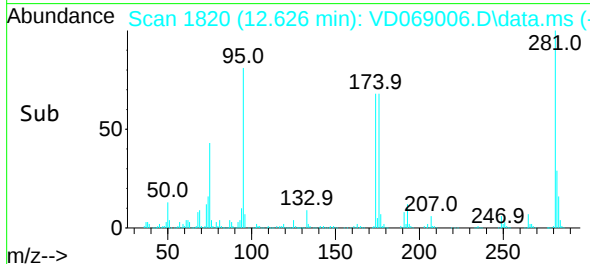
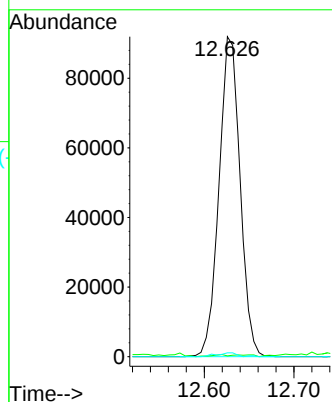
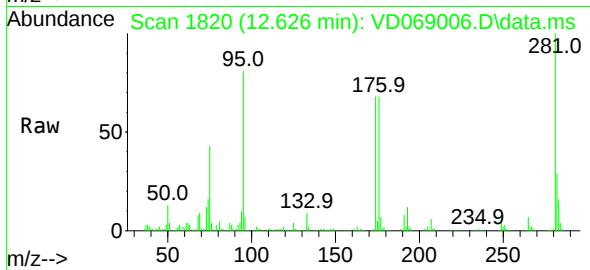




#81
trans-1,4-Dichloro-2-butene
Concen: 114.44 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069006.D
Acq: 28 Apr 2021 16:08

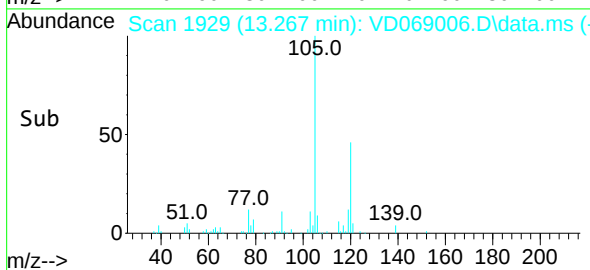
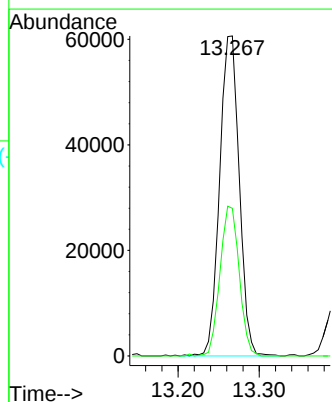
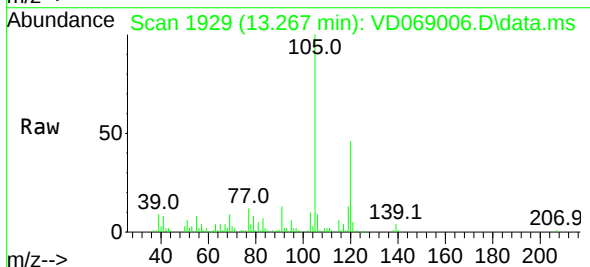
Instrument :
MSVOA_D
ClientSampled :

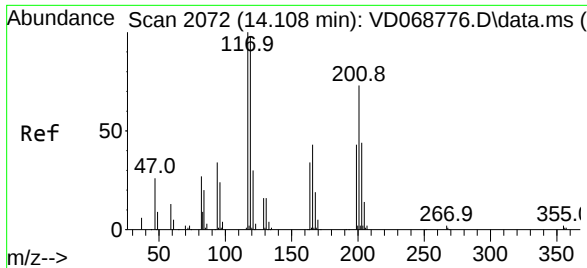
Tgt Ion: 75 Resp: 149975
Ion Ratio Lower Upper
75 100
53 0.5 66.8 100.2#
89 1.2 36.6 54.8#



#84
1,2,4-Trimethylbenzene
Concen: 4.97 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. -0.000 min
Lab File: VD069006.D
Acq: 28 Apr 2021 16:08

Tgt Ion:105 Resp: 101943
Ion Ratio Lower Upper
105 100
120 45.7 22.6 67.7

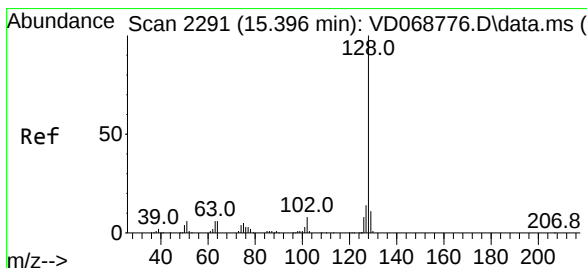
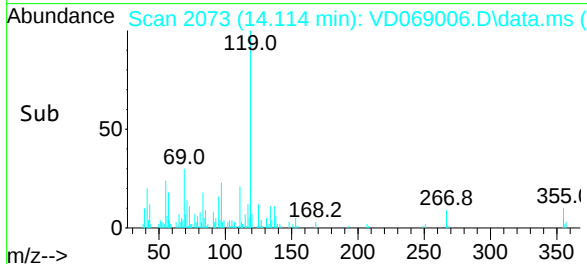
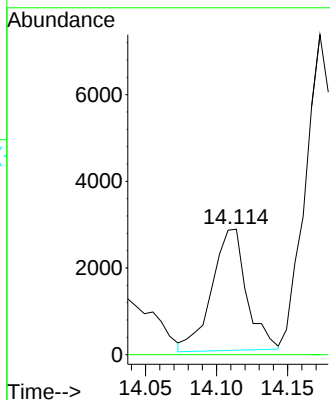
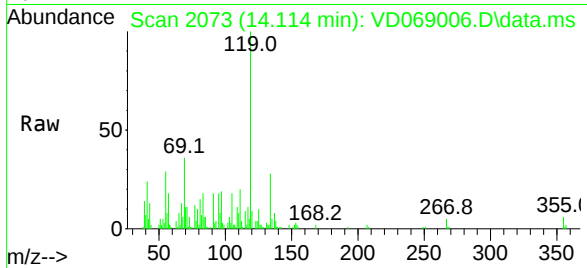




#90
Hexachloroethane
Concen: 1.08 ug/l
RT: 14.114 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VD069006.D
Acq: 28 Apr 2021 16:08

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:117 Resp: 4764
Ion Ratio Lower Upper
117 100
201 0.0 35.4 106.2#



#95
Naphthalene
Concen: 2.09 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VD069006.D
Acq: 28 Apr 2021 16:08

Tgt Ion:128 Resp: 22546
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 13.7 8.9 13.3#

