

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060221\
 Data File : VD069312.D
 Acq On : 02 Jun 2021 20:15
 Operator : VA/SY
 Sample : M2580-12
 Misc : 5.50G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

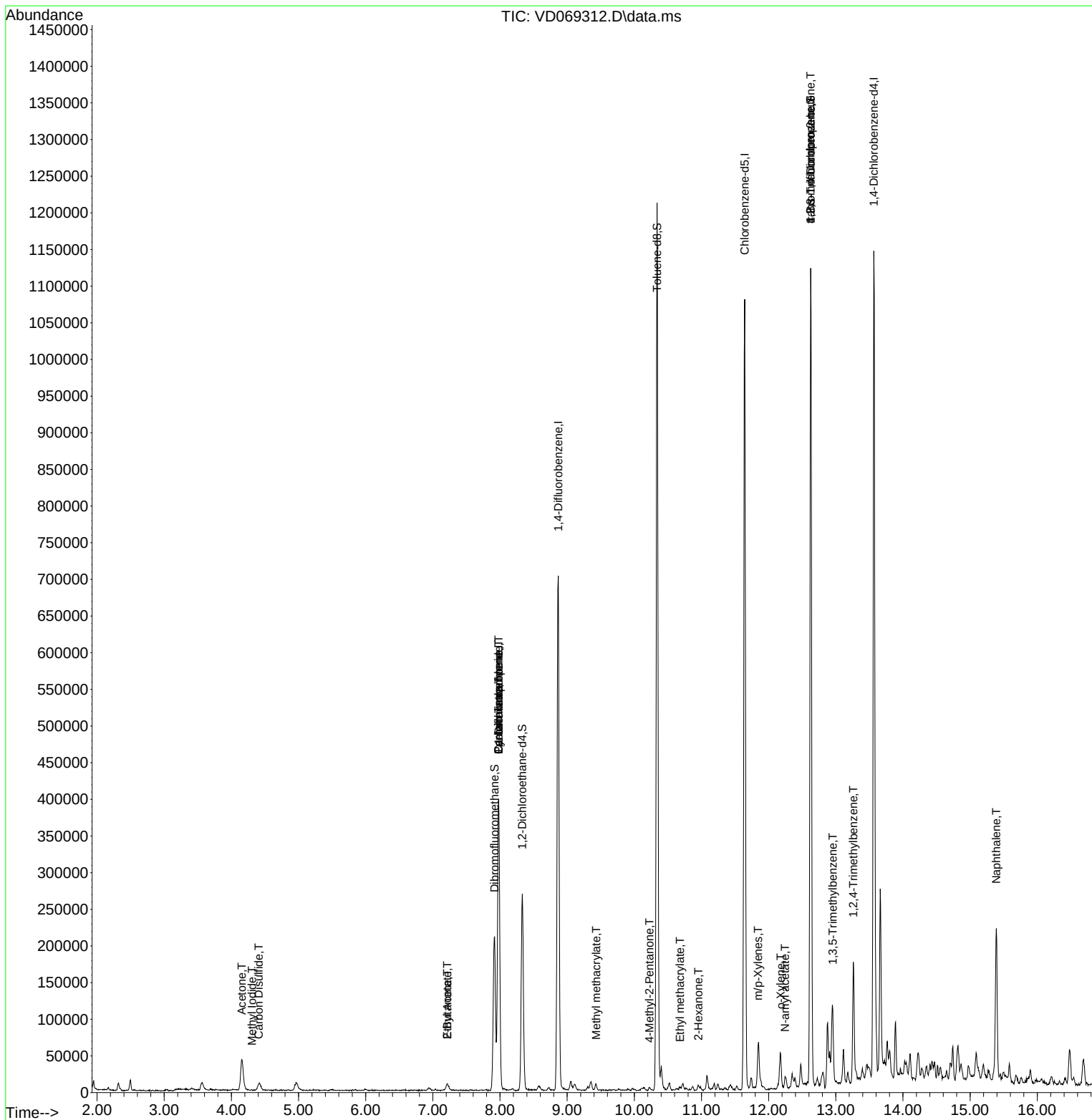
Quant Time: Jun 03 01:12:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 02 02:17:36 2021
 Response via : Initial Calibration

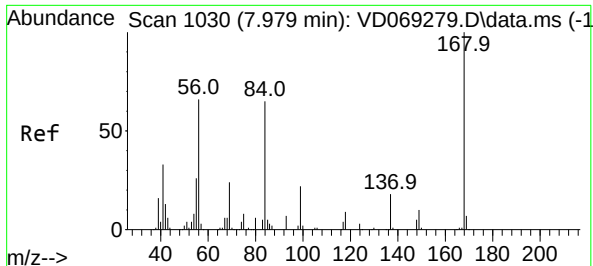
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	303516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	642607	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	662646	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	304338	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	213076	73.16	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 146.32%			
35) Dibromofluoromethane	7.920	113	157725	39.09	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 78.18%			
50) Toluene-d8	10.338	98	830670	56.61	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 113.22%			
62) 4-Bromofluorobenzene	12.626	95	286351	59.55	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 119.10%			
Target Compounds					Qvalue	
10) Methyl Iodide	4.309	142	63	2.53	ug/l #	39
11) Tert butyl alcohol	5.226	59	844	Below Cal	#	73
16) Acetone	4.156	43	75570	148.70	ug/l	91
17) Carbon Disulfide	4.409	76	20856	2.07	ug/l	99
20) Methylene Chloride	4.973	84	9188	Below Cal		92
25) 2-Butanone	7.214	43	12952	19.37	ug/l #	88
31) Cyclohexane	7.979	56	7138	1.54	ug/l #	21
36) 1,1-Dichloropropene	7.979	75	23453	3.75	ug/l #	49
37) Ethyl Acetate	7.214	43	12952	6.11	ug/l #	67
38) Carbon Tetrachloride	7.979	117	31699	4.70	ug/l #	14
48) Methyl methacrylate	9.432	41	2436	1.36	ug/l #	36
51) 4-Methyl-2-Pentanone	10.226	43	2703	1.36	ug/l	91
56) Ethyl methacrylate	10.679	69	466	2.75	ug/l #	43
59) 2-Hexanone	10.955	43	4234	3.18	ug/l #	20
68) m/p-Xylenes	11.843	106	16375	1.80	ug/l	100
69) o-Xylene	12.179	106	11800	1.46	ug/l	99
74) N-amyl acetate	12.243	43	9939	2.70	ug/l #	38
76) 1,2,3-Trichloropropane	12.626	75	145883	55.17	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.955	105	36279	2.06	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.626	75	145883	122.26	ug/l #	18
84) 1,2,4-Trimethylbenzene	13.261	105	96394	5.49	ug/l	98
95) Naphthalene	15.390	128	190970	20.48	ug/l	99

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

Quant Time: Jun 03 01:12:05 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 02 02:17:36 2021
Response via : Initial Calibration

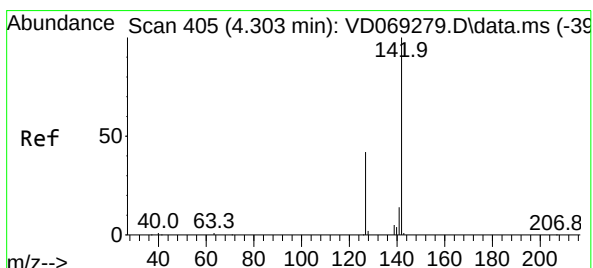
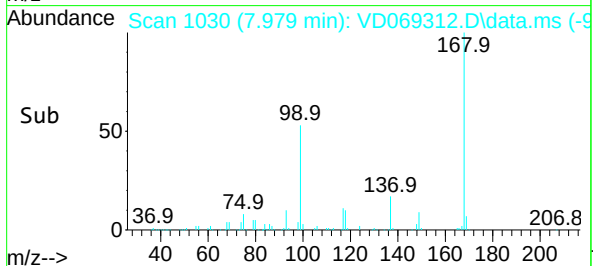
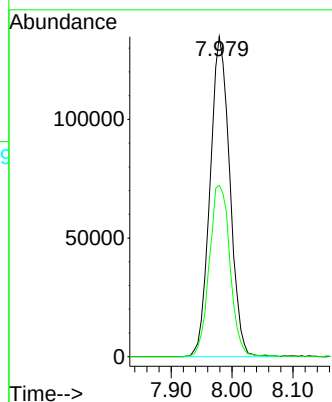
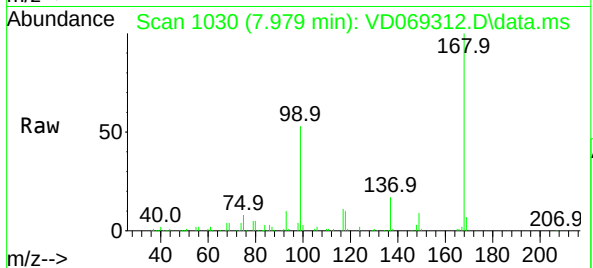




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069312.D
Acq: 02 Jun 2021 20:15

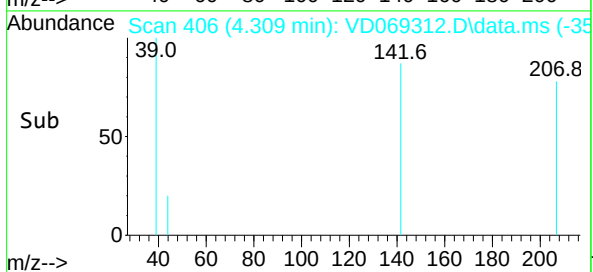
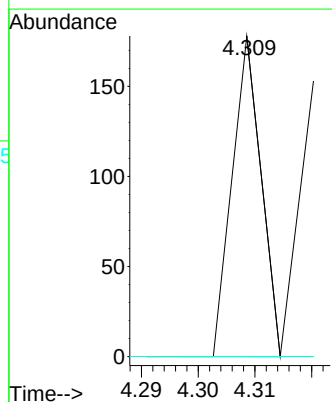
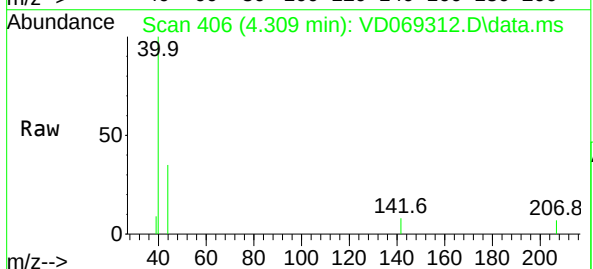
Instrument :
MSVOA_D
ClientSampled :

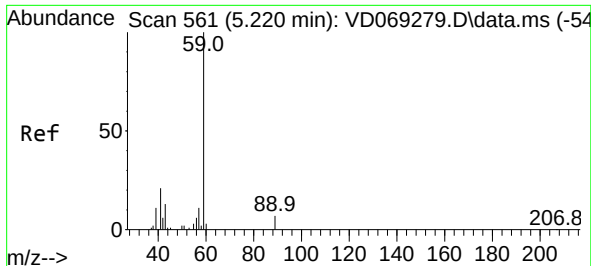
Tgt Ion:168 Resp: 303516
Ion Ratio Lower Upper
168 100
99 53.5 46.2 69.2



#10
Methyl Iodide
Concen: 2.53 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD069312.D
Acq: 02 Jun 2021 20:15

Tgt Ion:142 Resp: 63
Ion Ratio Lower Upper
142 100
127 0.0 36.2 54.2#
141 0.0 12.2 18.2#

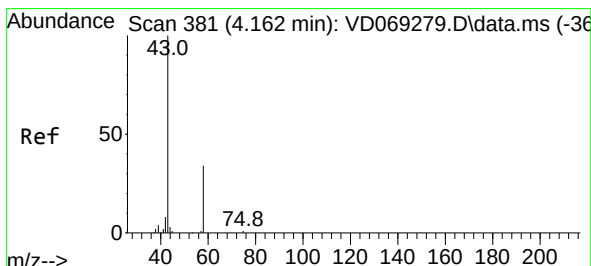
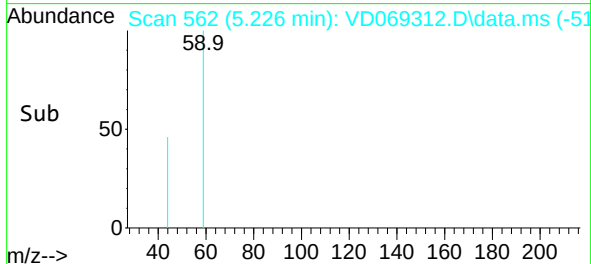
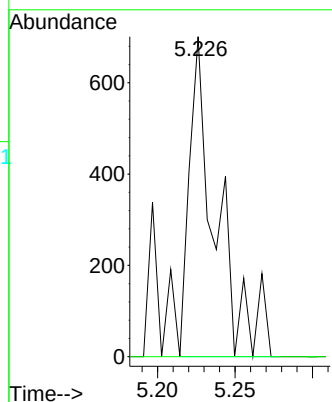
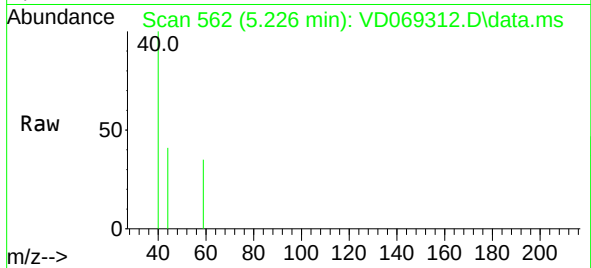




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.226 min Scan# 562
Delta R.T. 0.006 min
Lab File: VD069312.D
Acq: 02 Jun 2021 20:15

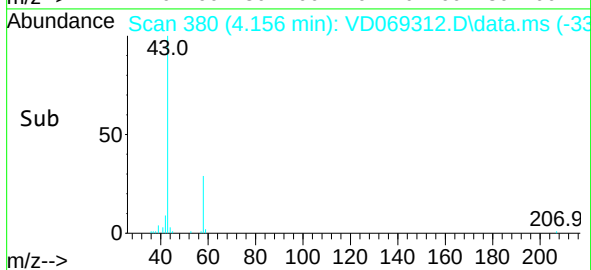
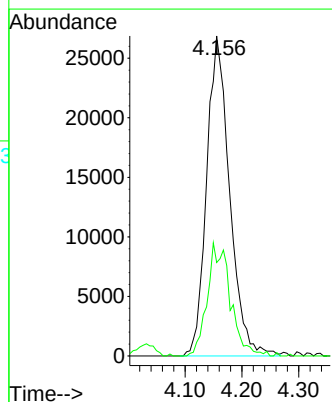
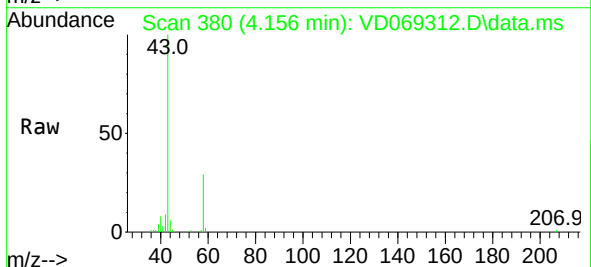
Instrument :
MSVOA_D
ClientSampleId :

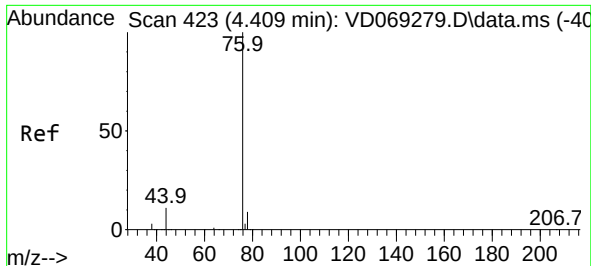
Tgt Ion: 59 Resp: 844
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 148.70 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069312.D
Acq: 02 Jun 2021 20:15

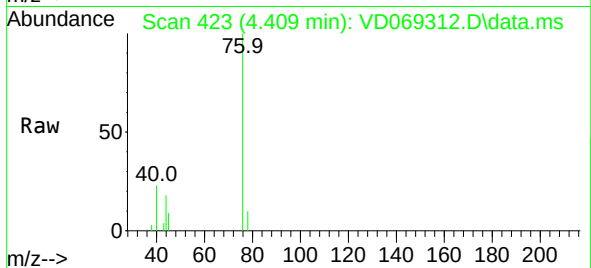
Tgt Ion: 43 Resp: 75570
Ion Ratio Lower Upper
43 100
58 29.2 27.5 41.3



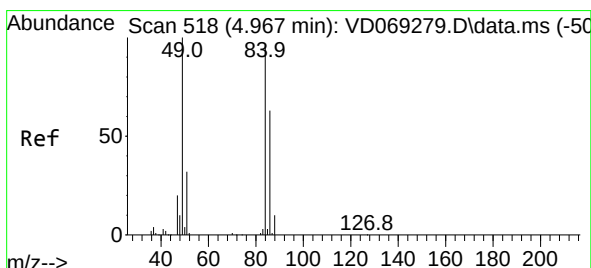
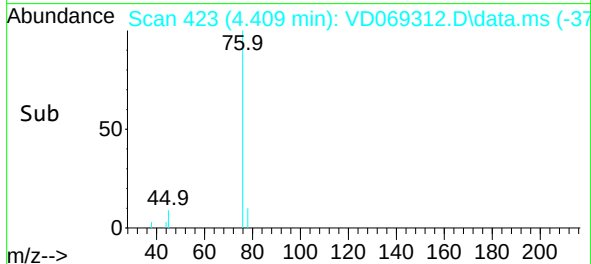
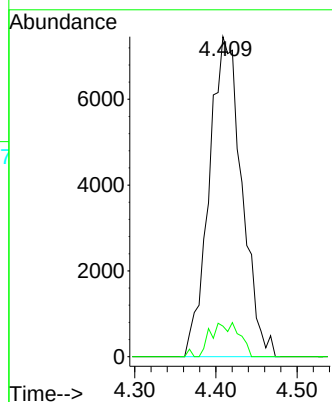


#17
Carbon Disulfide
Concen: 2.07 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069312.D
Acq: 02 Jun 2021 20:15

Instrument :
MSVOA_D
ClientSampleId :

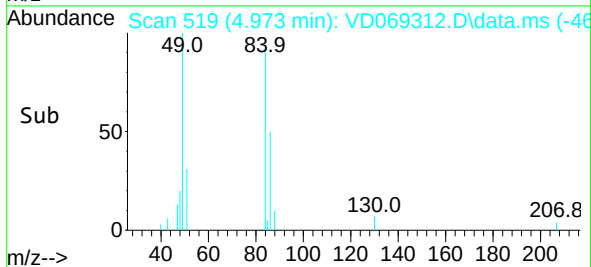
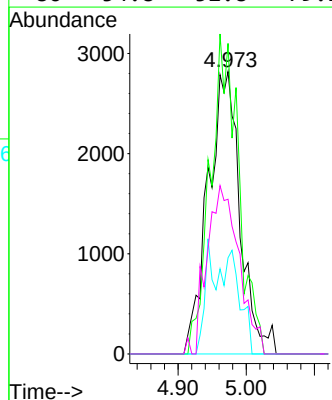
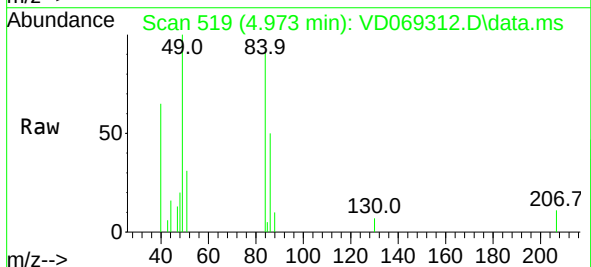


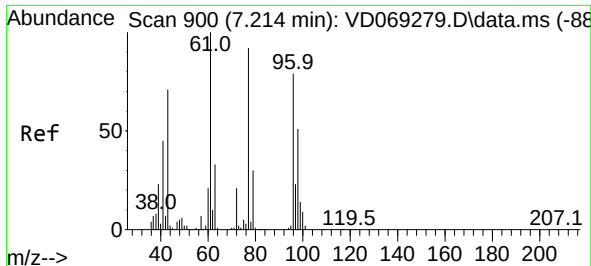
Tgt Ion: 76 Resp: 20856
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.006 min
Lab File: VD069312.D
Acq: 02 Jun 2021 20:15

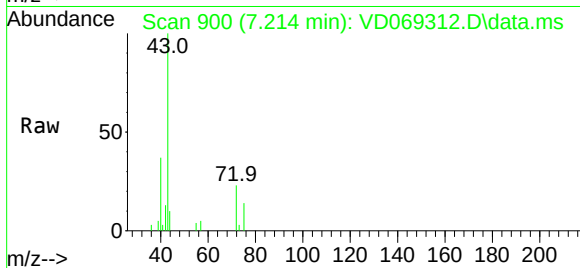
Tgt Ion: 84 Resp: 9188
Ion Ratio Lower Upper
84 100
49 110.0 83.7 125.5
51 34.1 26.4 39.6
86 54.8 52.8 79.2



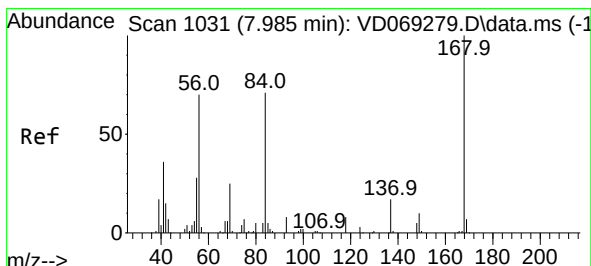
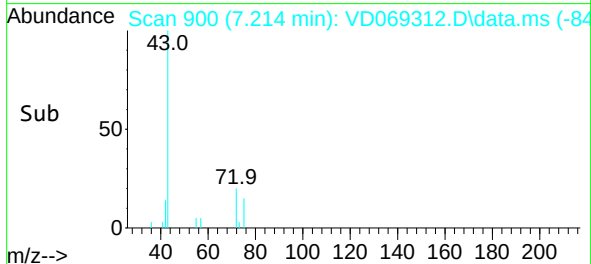
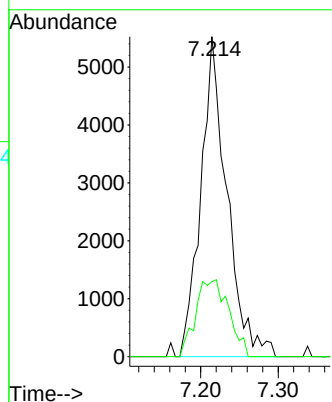


#25
2-Butanone
Concen: 19.37 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.000 min
Lab File: VD069312.D
Acq: 02 Jun 2021 20:15

Instrument :
MSVOA_D
ClientSampled :

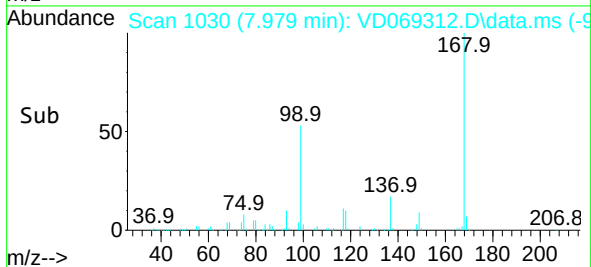
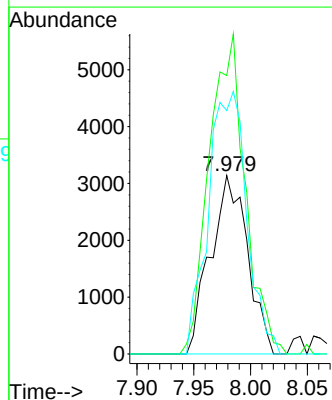
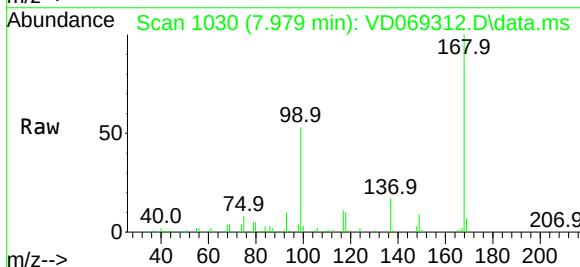


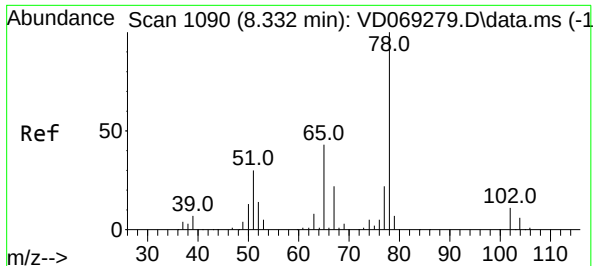
Tgt Ion: 43 Resp: 12952
Ion Ratio Lower Upper
43 100
72 23.4 23.9 35.9#



#31
Cyclohexane
Concen: 1.54 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069312.D
Acq: 02 Jun 2021 20:15

Tgt Ion: 56 Resp: 7138
Ion Ratio Lower Upper
56 100
69 156.1 29.0 43.4#
84 136.4 81.1 121.7#

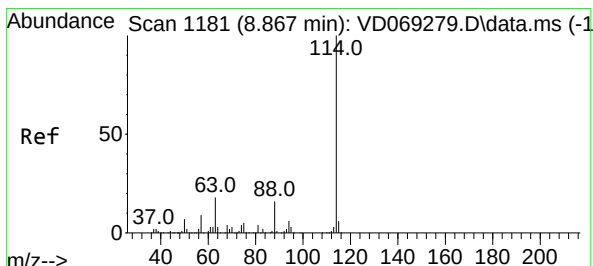
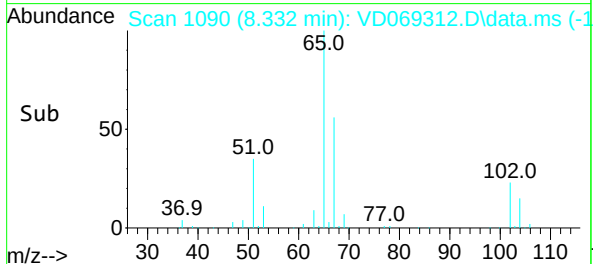
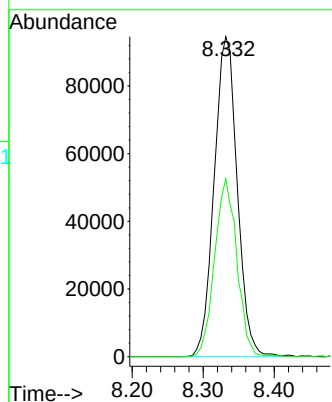
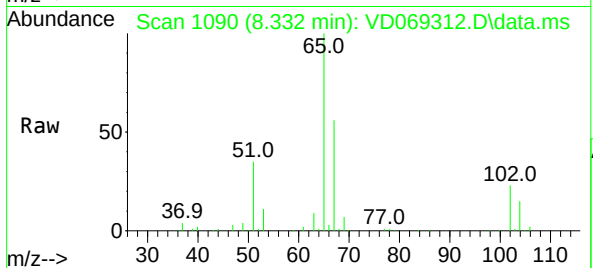




#33
1,2-Dichloroethane-d4
Concen: 73.16 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069312.D
Acq: 02 Jun 2021 20:15

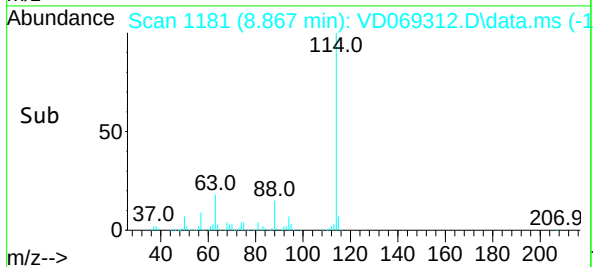
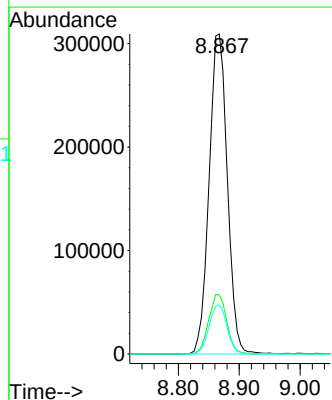
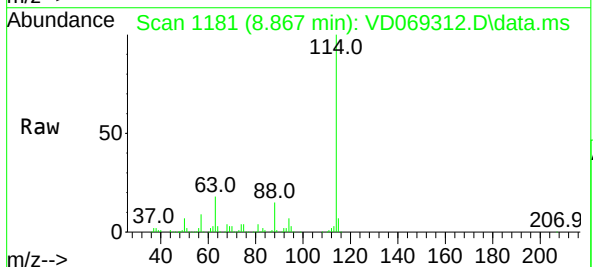
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MSVOA_D
ClientSampled :

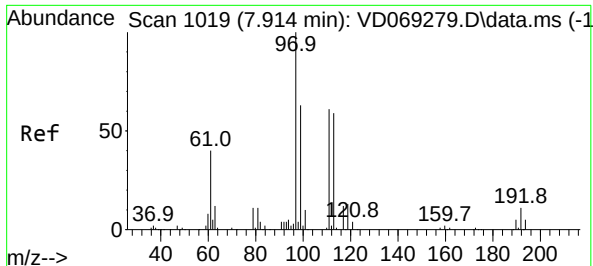
Tgt Ion: 65 Resp: 213076
Ion Ratio Lower Upper
65 100
67 53.7 0.0 105.8



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069312.D
Acq: 02 Jun 2021 20:15

Tgt Ion: 114 Resp: 642607
Ion Ratio Lower Upper
114 100
63 18.4 0.0 35.6
88 15.3 0.0 31.2





#35

Dibromofluoromethane

Concen: 39.09 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.006 min

Lab File: VD069312.D

Acq: 02 Jun 2021 20:15

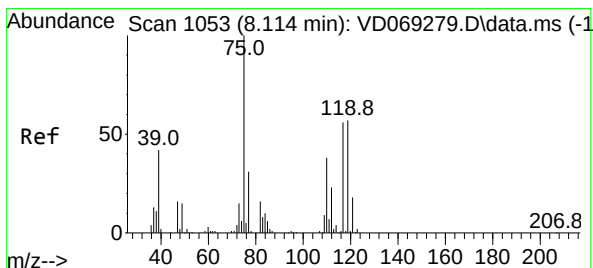
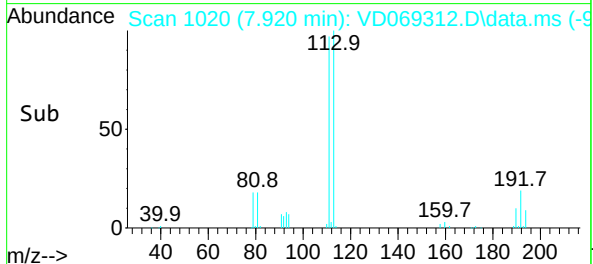
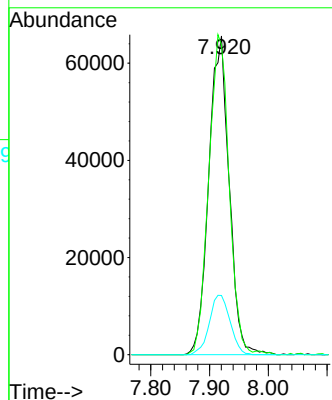
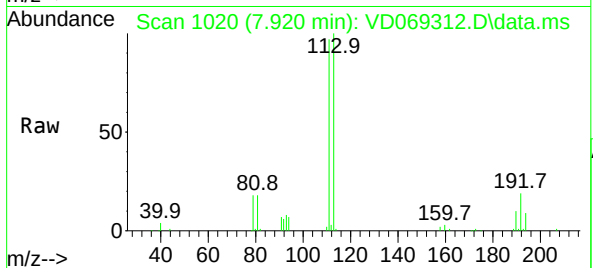
Tgt Ion:113 Resp: 157725

Ion Ratio Lower Upper

113 100

111 100.6 83.0 124.6

192 19.0 15.1 22.7



#36

1,1-Dichloropropene

Concen: 3.75 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD069312.D

Acq: 02 Jun 2021 20:15

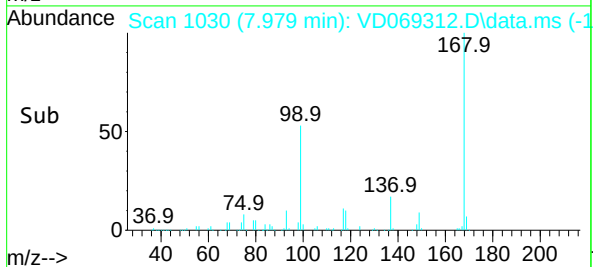
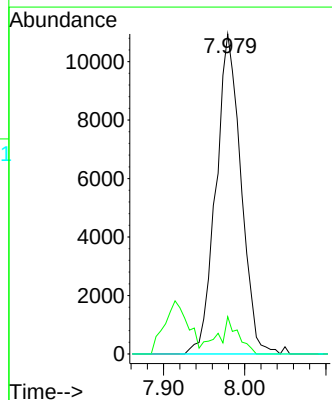
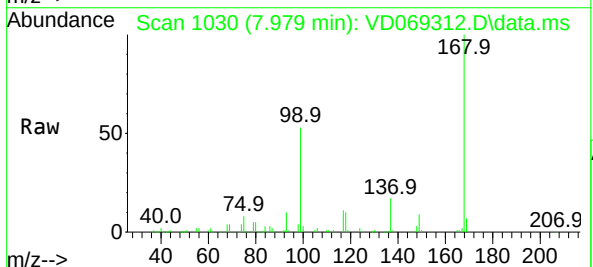
Tgt Ion: 75 Resp: 23453

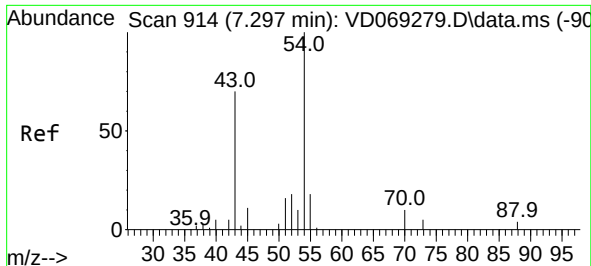
Ion Ratio Lower Upper

75 100

110 8.8 18.4 55.2#

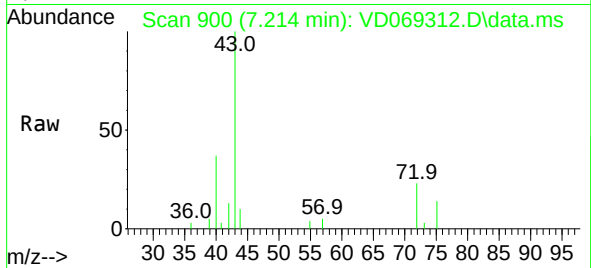
77 0.0 24.9 37.3#



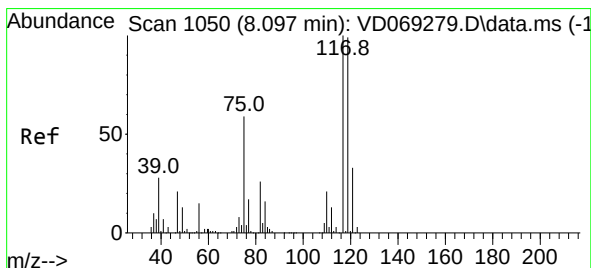
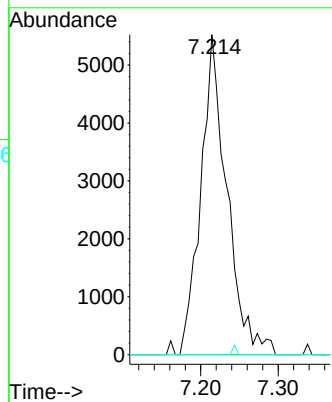
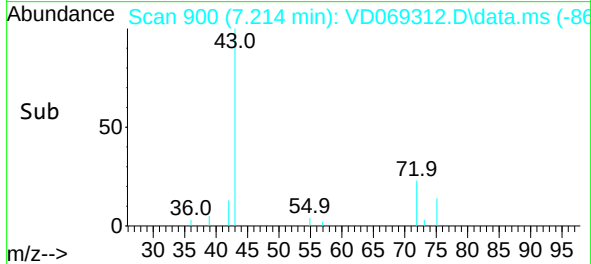


#37
Ethyl Acetate
Concen: 6.11 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.082 min
Lab File: VD069312.D
Acq: 02 Jun 2021 20:15

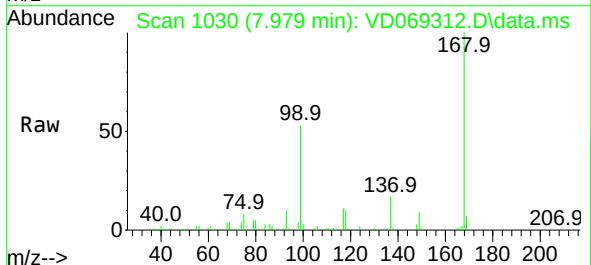
Instrument :
MSVOA_D
ClientSampleId :



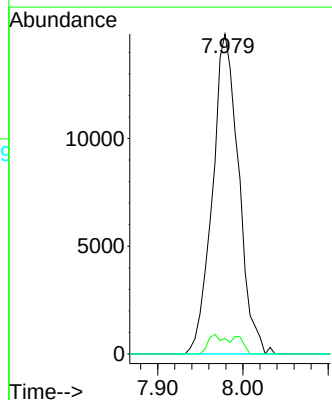
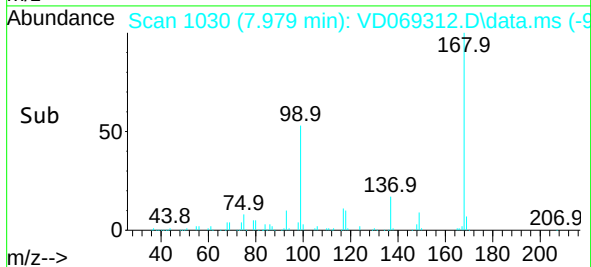
Tgt Ion: 43 Resp: 12952
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.6#
70 0.0 9.7 14.5#

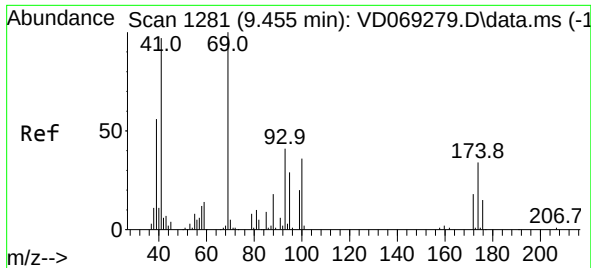


#38
Carbon Tetrachloride
Concen: 4.70 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069312.D
Acq: 02 Jun 2021 20:15



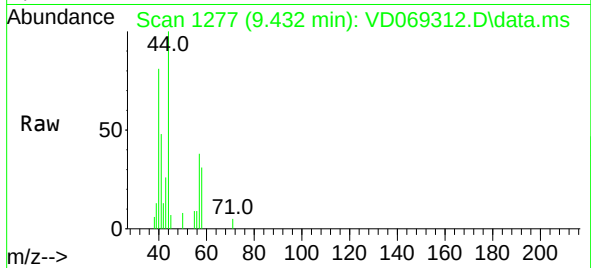
Tgt Ion: 117 Resp: 31699
Ion Ratio Lower Upper
117 100
119 4.9 79.4 119.2#
121 0.0 26.1 39.1#



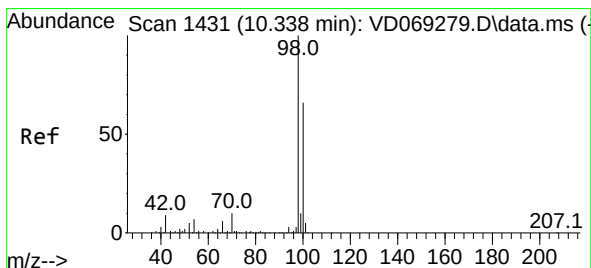
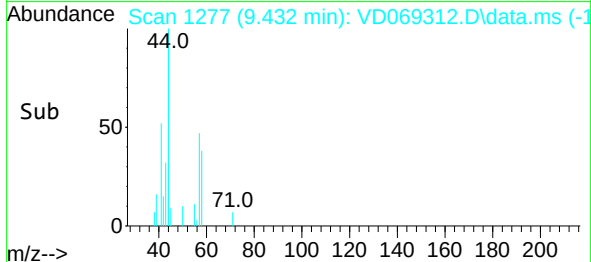
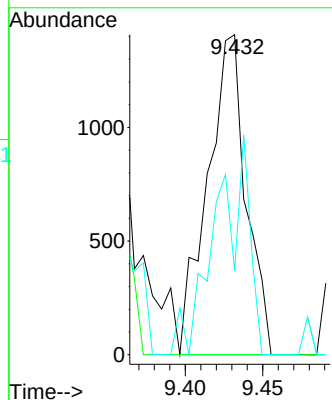


#48
Methyl methacrylate
Concen: 1.36 ug/l
RT: 9.432 min Scan# 1277
Delta R.T. -0.024 min
Lab File: VD069312.D
Acq: 02 Jun 2021 20:15

Instrument :
MSVOA_D
ClientSampleId :

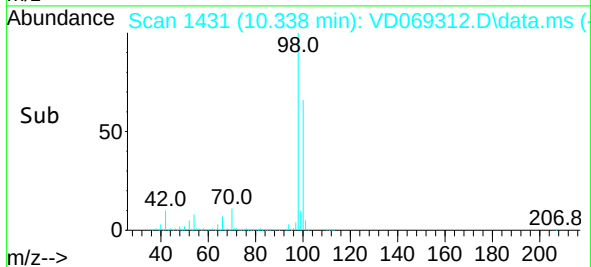
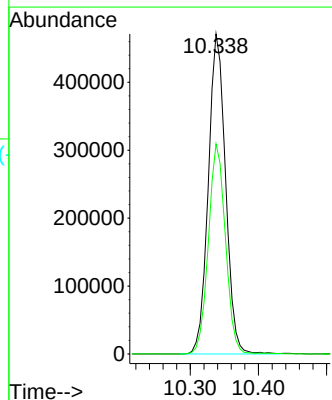
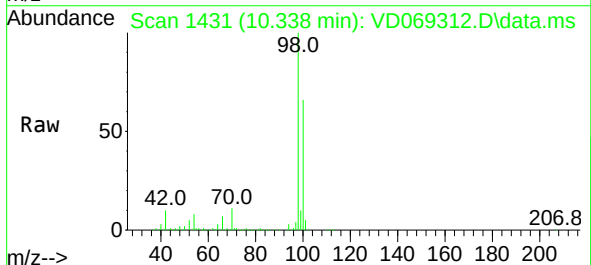


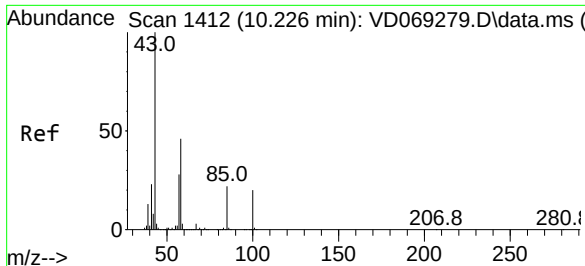
Tgt Ion: 41 Resp: 2436
Ion Ratio Lower Upper
41 100
69 0.0 77.6 116.4#
39 59.2 45.3 67.9



#50
Toluene-d8
Concen: 56.61 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069312.D
Acq: 02 Jun 2021 20:15

Tgt Ion: 98 Resp: 830670
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1

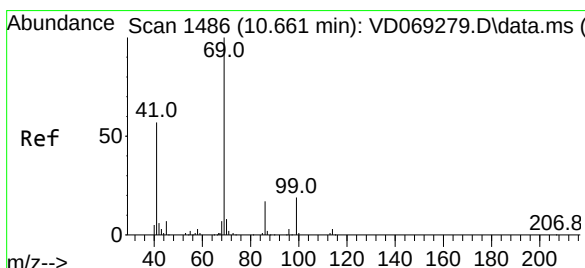
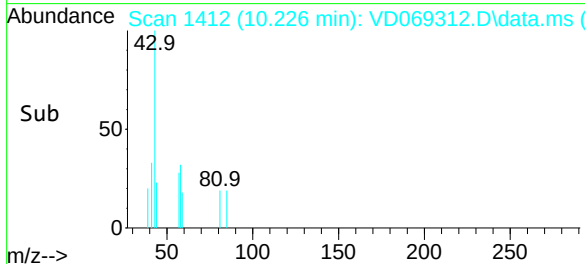
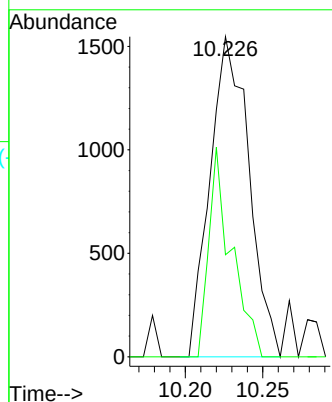
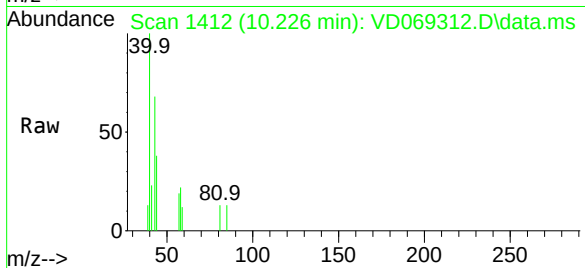




#51
4-Methyl-2-Pentanone
Concen: 1.36 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD069312.D
Acq: 02 Jun 2021 20:15

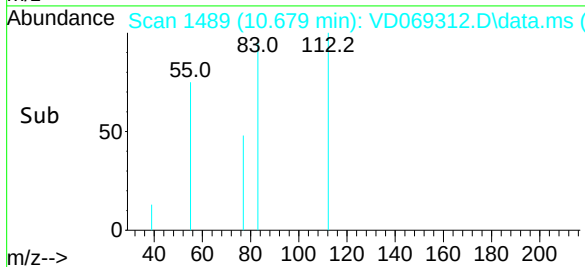
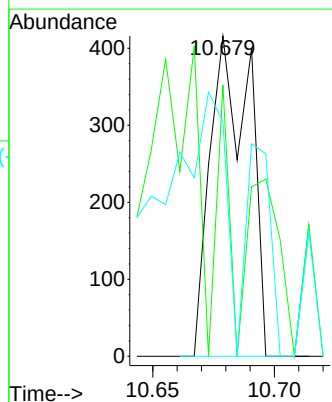
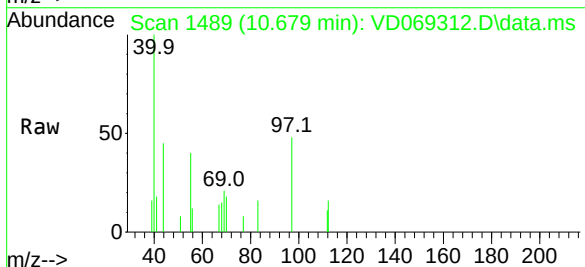
Instrument :
MSVOA_D
ClientSampled :

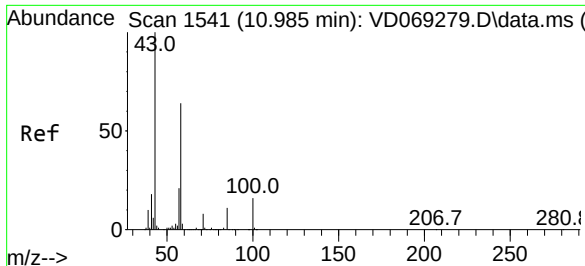
Tgt Ion: 43 Resp: 2703
Ion Ratio Lower Upper
43 100
58 37.9 35.1 52.7



#56
Ethyl methacrylate
Concen: 2.75 ug/l
RT: 10.679 min Scan# 1489
Delta R.T. 0.018 min
Lab File: VD069312.D
Acq: 02 Jun 2021 20:15

Tgt Ion: 69 Resp: 466
Ion Ratio Lower Upper
69 100
41 77.9 45.4 68.2#
39 86.7 21.7 32.5#

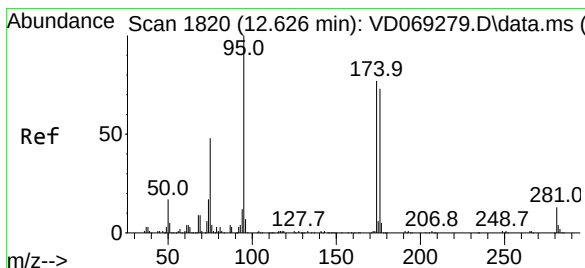
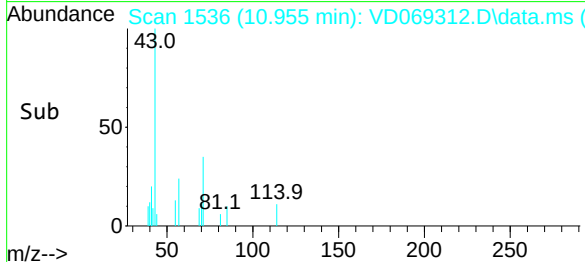
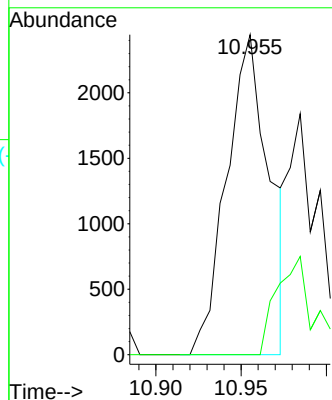
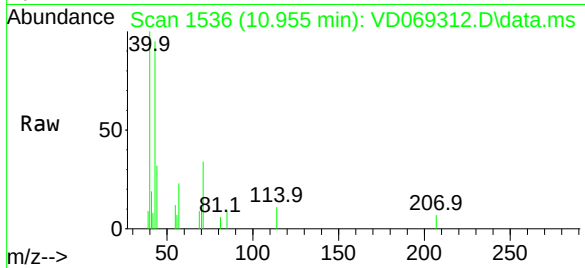




#59
2-Hexanone
Concen: 3.18 ug/l
RT: 10.955 min Scan# 1536
Delta R.T. -0.029 min
Lab File: VD069312.D
Acq: 02 Jun 2021 20:15

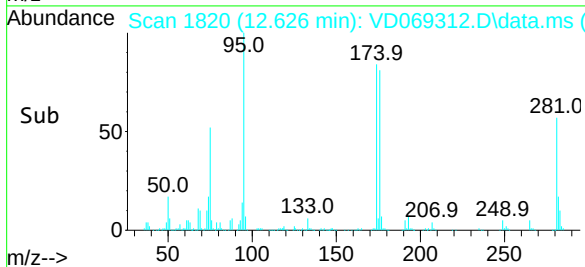
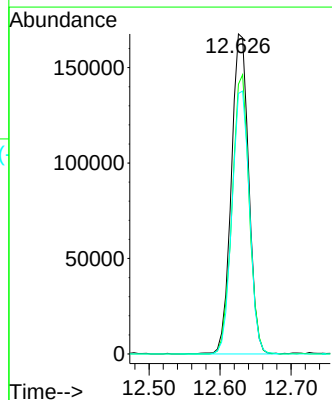
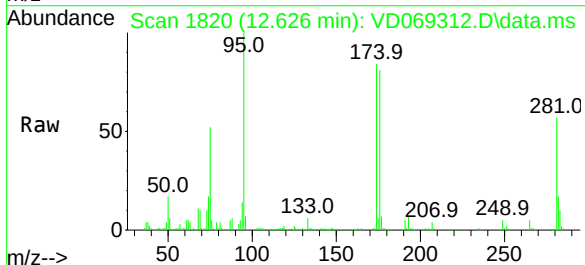
Instrument :
MSVOA_D
ClientSampled :

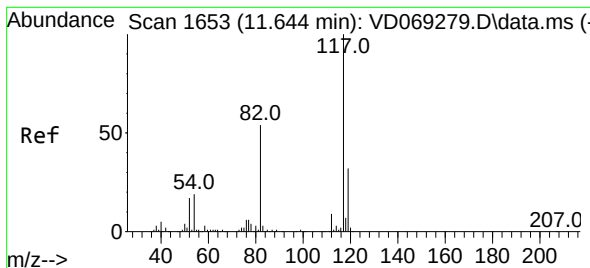
Tgt Ion: 43 Resp: 4234
Ion Ratio Lower Upper
43 100
58 0.0 30.8 92.3#



#62
4-Bromofluorobenzene
Concen: 59.55 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069312.D
Acq: 02 Jun 2021 20:15

Tgt Ion: 95 Resp: 286351
Ion Ratio Lower Upper
95 100
174 85.1 0.0 162.8
176 82.2 0.0 154.4

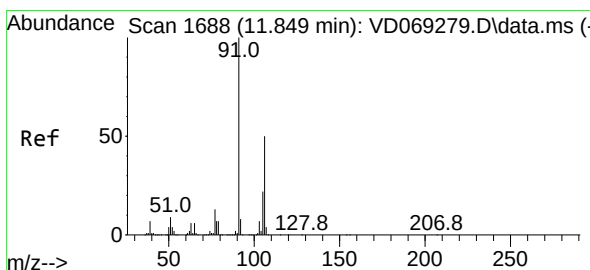
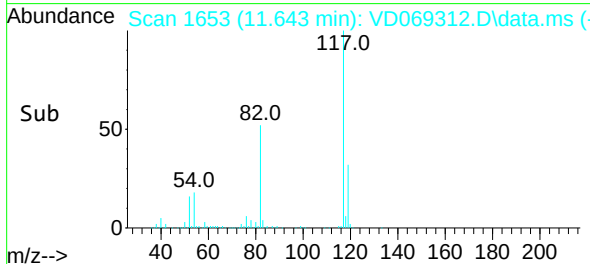
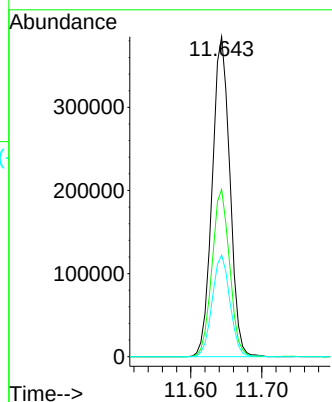
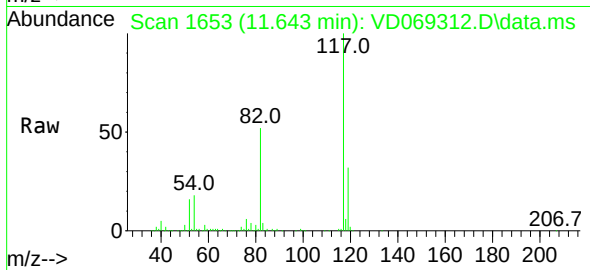




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069312.D
Acq: 02 Jun 2021 20:15

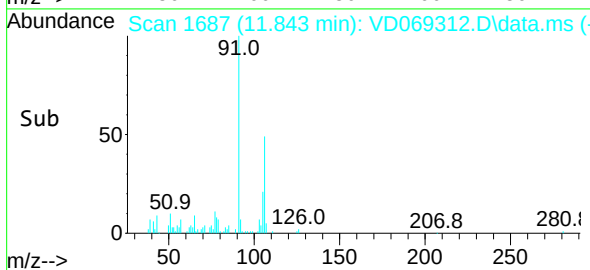
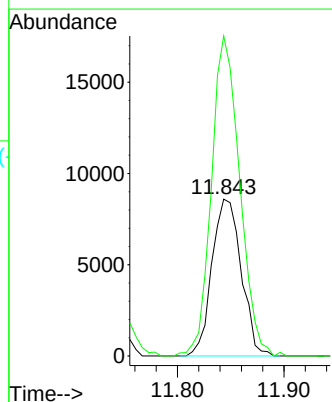
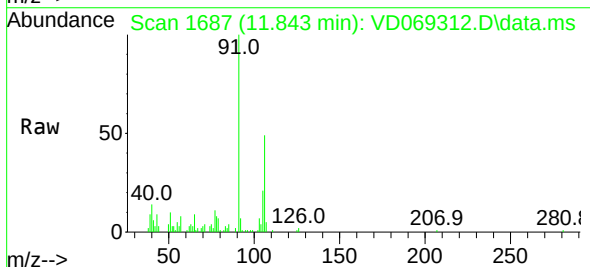
Instrument :
MSVOA_D
ClientSampleId :

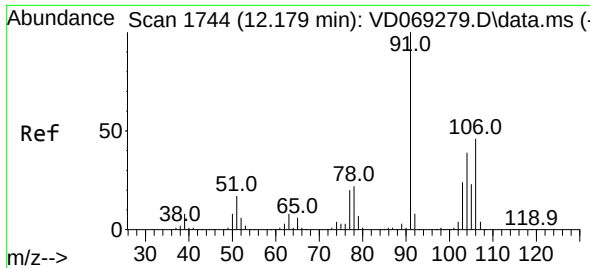
Tgt Ion:117 Resp: 662646
Ion Ratio Lower Upper
117 100
82 52.3 43.3 64.9
119 31.8 25.3 37.9



#68
m/p-Xylenes
Concen: 1.80 ug/l
RT: 11.843 min Scan# 1687
Delta R.T. -0.006 min
Lab File: VD069312.D
Acq: 02 Jun 2021 20:15

Tgt Ion:106 Resp: 16375
Ion Ratio Lower Upper
106 100
91 197.2 158.3 237.5

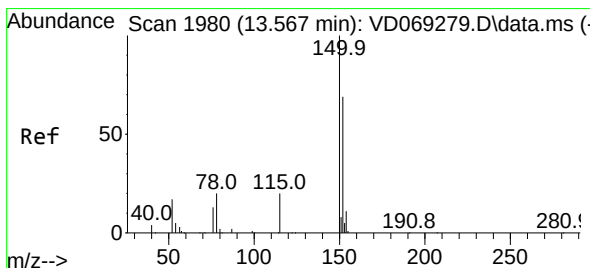
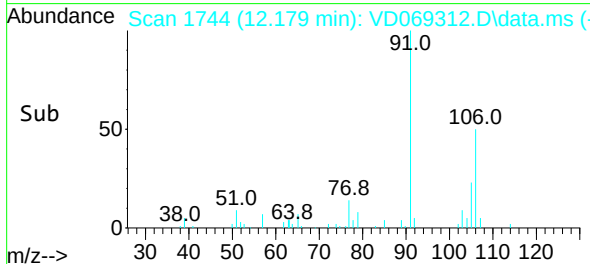
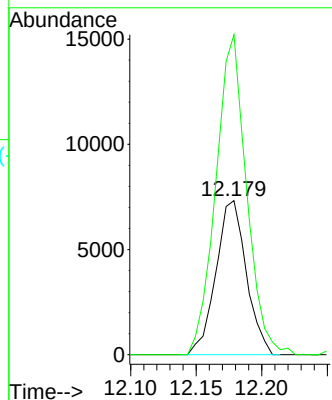
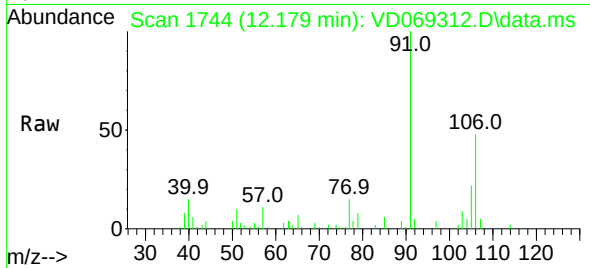




#69
o-Xylene
Concen: 1.46 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. -0.000 min
Lab File: VD069312.D
Acq: 02 Jun 2021 20:15

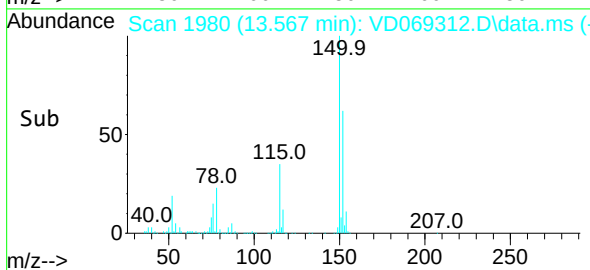
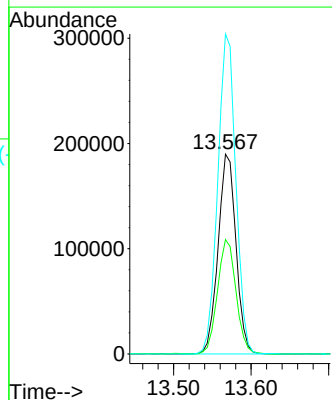
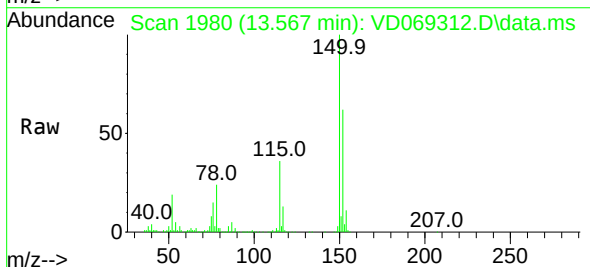
Instrument :
MSVOA_D
ClientSampleId :

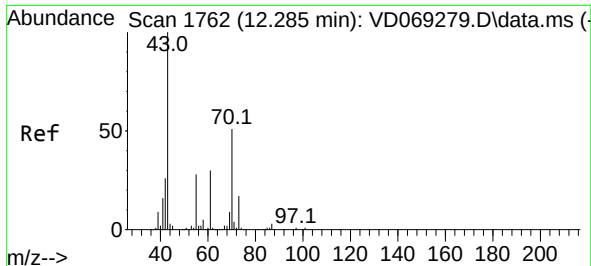
Tgt Ion:106 Resp: 11800
Ion Ratio Lower Upper
106 100
91 209.7 105.5 316.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069312.D
Acq: 02 Jun 2021 20:15

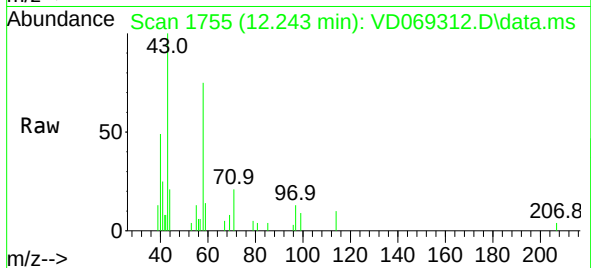
Tgt Ion:152 Resp: 304338
Ion Ratio Lower Upper
152 100
115 59.3 29.4 88.3
150 161.5 0.0 355.0



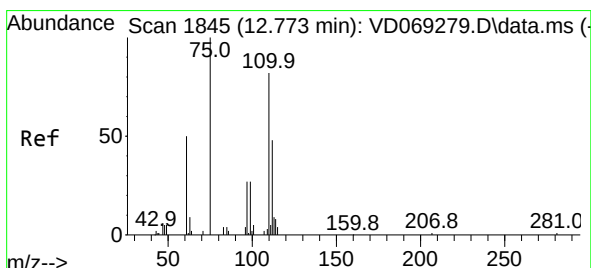
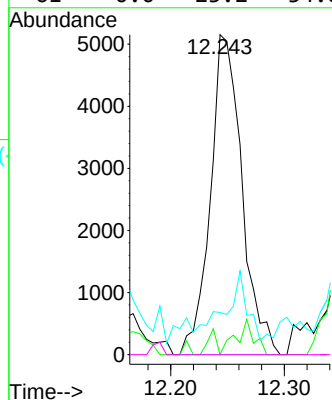
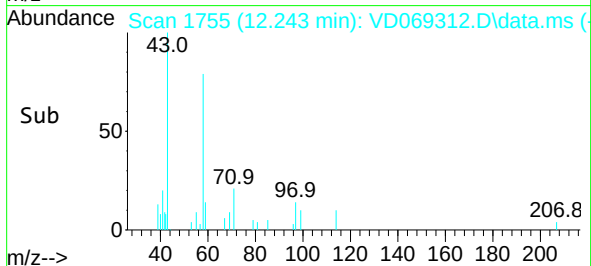


#74
N-amy1 acetate
Concen: 2.70 ug/l
RT: 12.243 min Scan# 1755
Delta R.T. -0.041 min
Lab File: VD069312.D
Acq: 02 Jun 2021 20:15

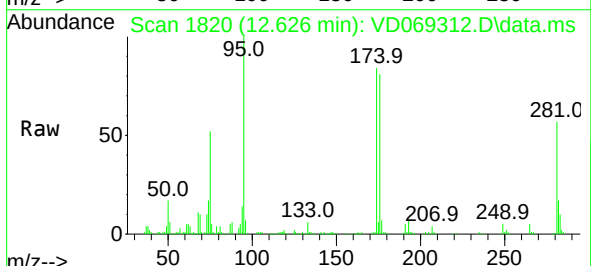
Instrument :
MSVOA_D
ClientSampleId :



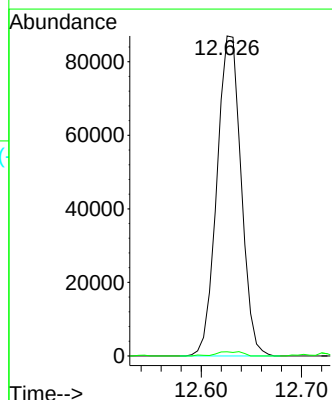
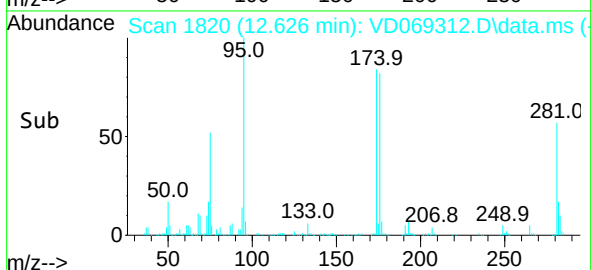
Tgt Ion: 43	Resp: 9939
Ion Ratio	Lower Upper
43	100
70	2.1 40.9 61.3#
55	0.0 23.4 35.0#
61	0.0 23.2 34.8#

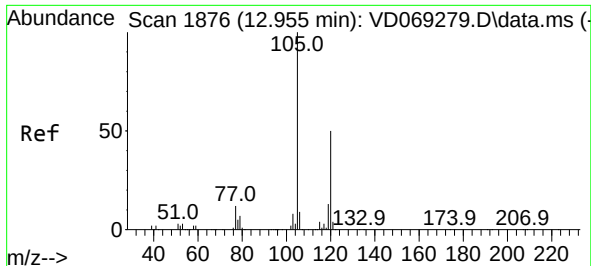


#76
1,2,3-Trichloropropane
Concen: 55.17 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069312.D
Acq: 02 Jun 2021 20:15



Tgt Ion: 75	Resp: 145883
Ion Ratio	Lower Upper
75	100
77	1.5 183.8 551.2#

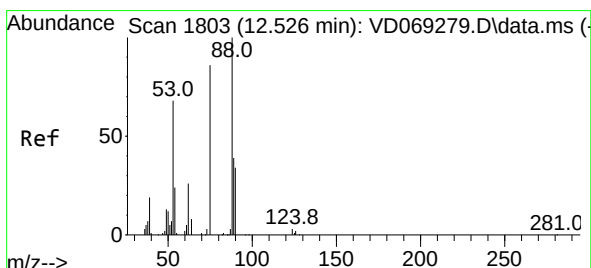
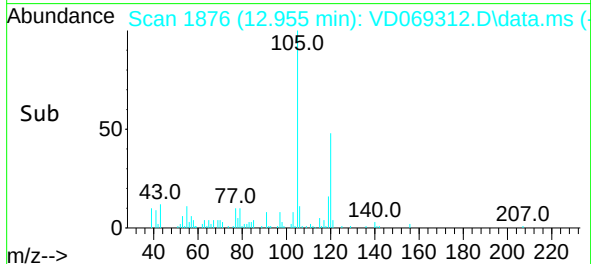
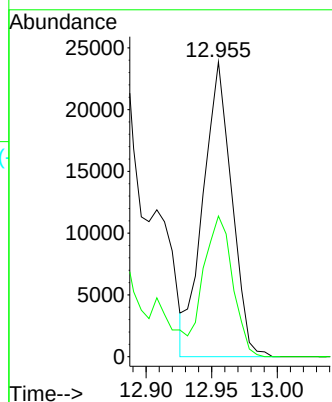
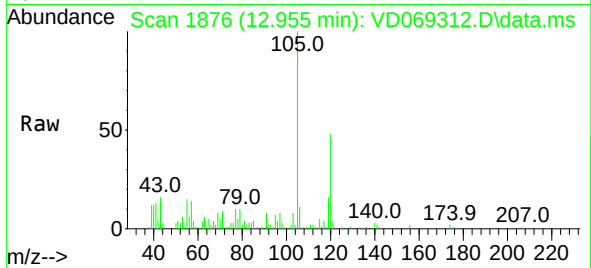




#80
1,3,5-Trimethylbenzene
Concen: 2.06 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VD069312.D
Acq: 02 Jun 2021 20:15

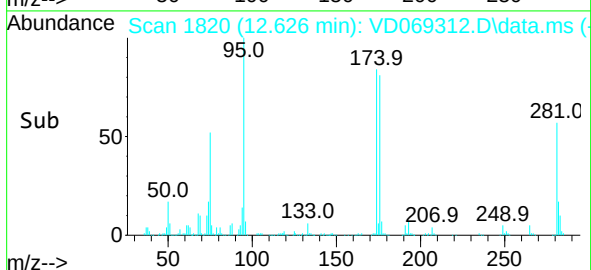
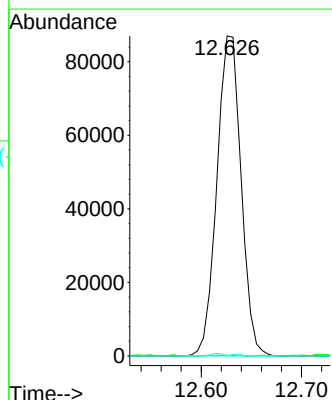
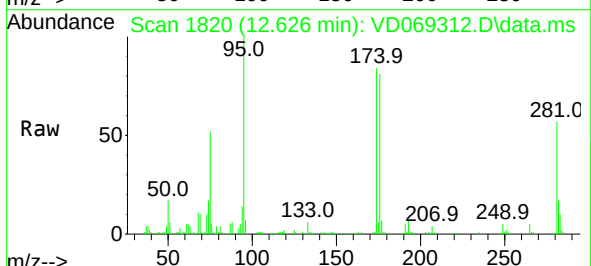
Instrument :
MSVOA_D
ClientSampled :

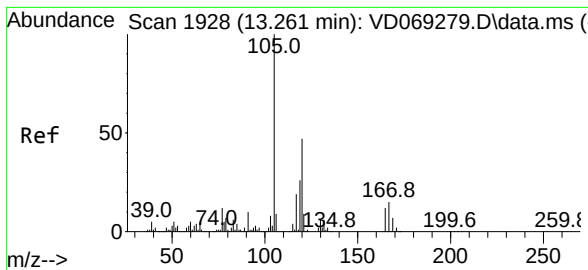
Tgt Ion:105 Resp: 36279
Ion Ratio Lower Upper
105 100
120 48.1 24.9 74.7



#81
trans-1,4-Dichloro-2-butene
Concen: 122.26 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069312.D
Acq: 02 Jun 2021 20:15

Tgt Ion: 75 Resp: 145883
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.2 35.6 53.4#

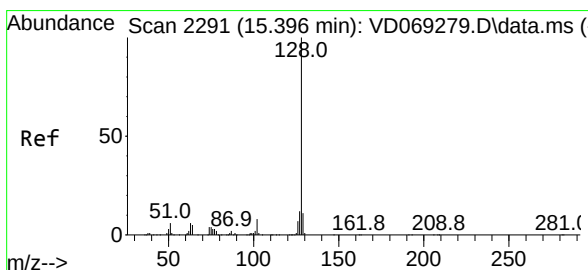
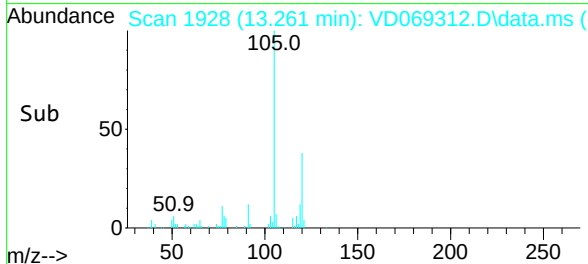
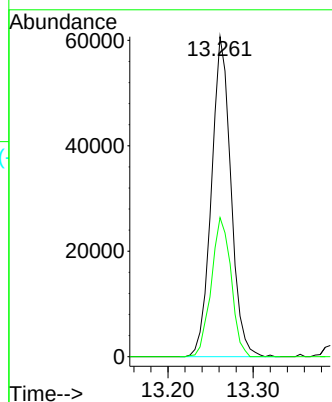
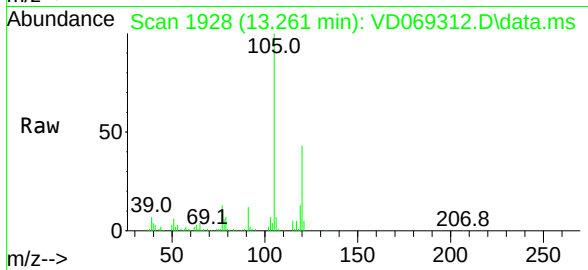




#84
 1,2,4-Trimethylbenzene
 Concen: 5.49 ug/l
 RT: 13.261 min Scan# 1928
 Delta R.T. -0.000 min
 Lab File: VD069312.D
 Acq: 02 Jun 2021 20:15

Instrument :
 MSVOA_D
 ClientSampled :

Tgt Ion:	105	Resp:	96394
Ion Ratio	Lower	Upper	
105	100		
120	44.1	22.6	67.8



#95
 Naphthalene
 Concen: 20.48 ug/l
 RT: 15.390 min Scan# 2290
 Delta R.T. -0.006 min
 Lab File: VD069312.D
 Acq: 02 Jun 2021 20:15

Tgt Ion:	128	Resp:	190970
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	11.6	8.8	13.2

