

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060221\
 Data File : VD069298.D
 Acq On : 02 Jun 2021 13:39
 Operator : VA/SY
 Sample : M2573-01
 Misc : 6.74G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 03 01:08:07 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)

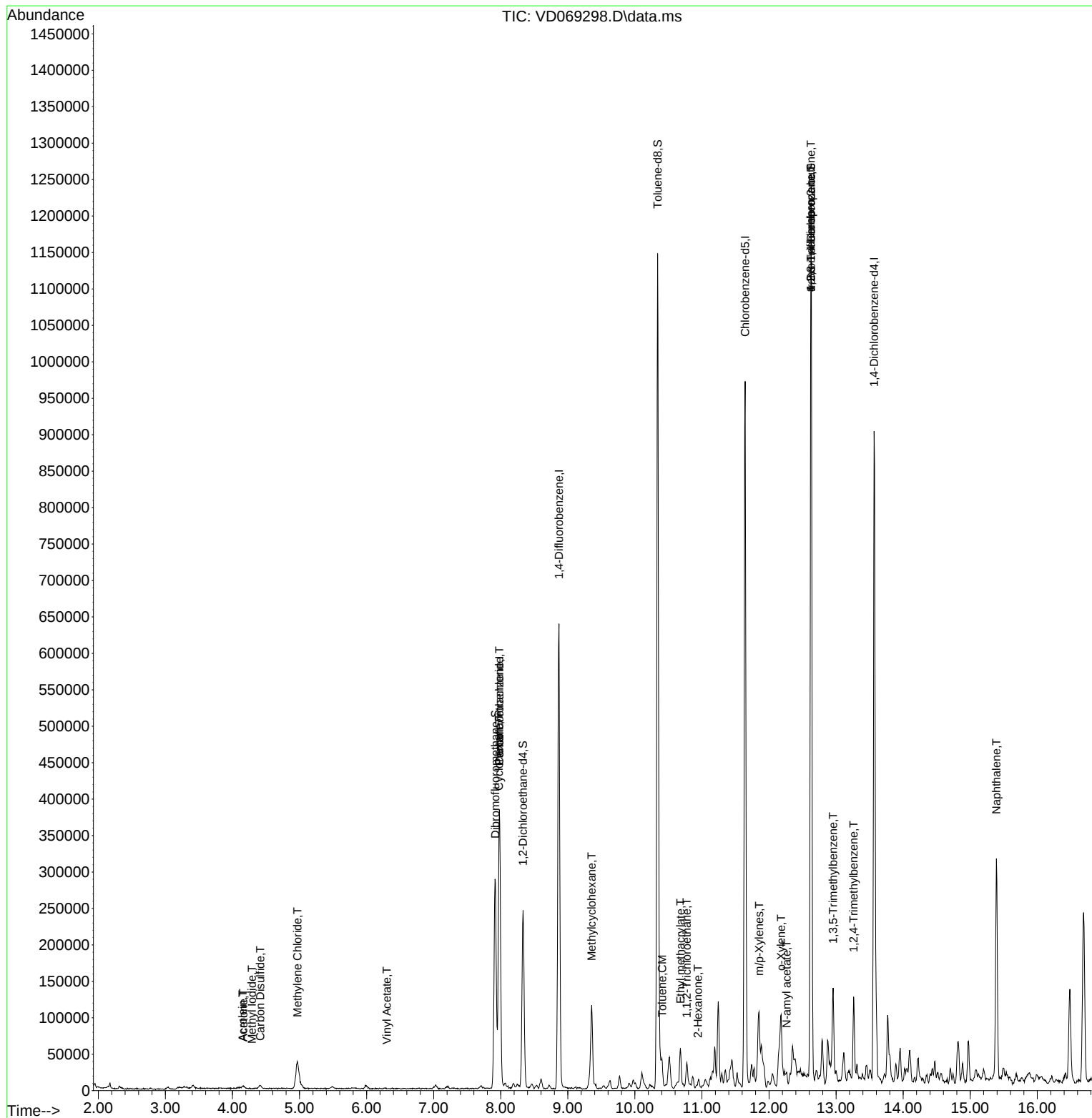
Internal Standards						
1) Pentafluorobenzene	7.979	168	272307	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	565181	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	587749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	250969	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	190271	72.82	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 145.64%			
35) Dibromofluoromethane	7.920	113	211592	59.62	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 119.24%			
50) Toluene-d8	10.338	98	742642	57.54	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 115.08%			
62) 4-Bromofluorobenzene	12.626	95	257096	60.79	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 121.58%			
Target Compounds					Qvalue	
10) Methyl Iodide	4.291	142	211	2.58	ug/l #	39
11) Tert butyl alcohol	5.215	59	985	Below Cal	#	73
13) Acrolein	4.150	56	80	17.57	ug/l #	16
16) Acetone	4.162	43	6140	13.47	ug/l #	66
17) Carbon Disulfide	4.415	76	10295	1.14	ug/l	98
20) Methylene Chloride	4.968	84	30392	2.72	ug/l	94
23) Vinyl Acetate	6.303	43	78	11.63	ug/l #	67
31) Cyclohexane	7.973	56	15809	3.81	ug/l #	84
38) Carbon Tetrachloride	7.979	117	27837	4.69	ug/l #	17
39) Methylcyclohexane	9.356	83	44101	7.85	ug/l	95
52) Toluene	10.408	92	15110	1.50	ug/l	93
55) 1,1,2-Trichloroethane	10.773	97	12126	4.03	ug/l #	20
56) Ethyl methacrylate	10.679	69	5585	4.18	ug/l #	11
59) 2-Hexanone	10.938	43	4388	3.74	ug/l #	24
68) m/p-Xylenes	11.855	106	26885	3.32	ug/l	90
69) o-Xylene	12.179	106	23583	3.30	ug/l	98
74) N-amyl acetate	12.261	43	3291	1.08	ug/l #	49
76) 1,2,3-Trichloropropane	12.626	75	126905	58.20	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.955	105	51292	3.53	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.626	75	126905	128.97	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.261	105	63045	4.36	ug/l	97
95) Naphthalene	15.390	128	273183	33.09	ug/l	99

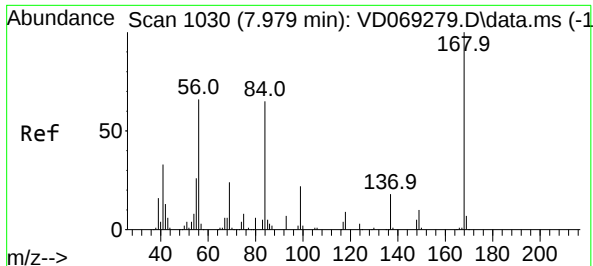
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060221\
Data File : VD069298.D
Acq On : 02 Jun 2021 13:39
Operator : VA/SY
Sample : M2573-01
Misc : 6.74G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampled :

Quant Time: Jun 03 01:08:07 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

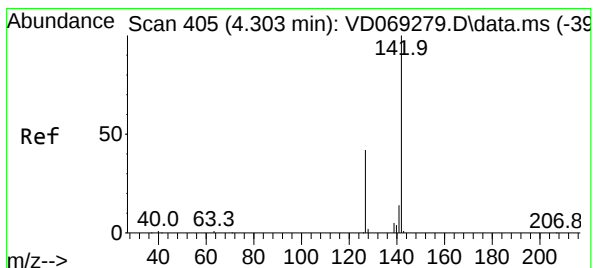
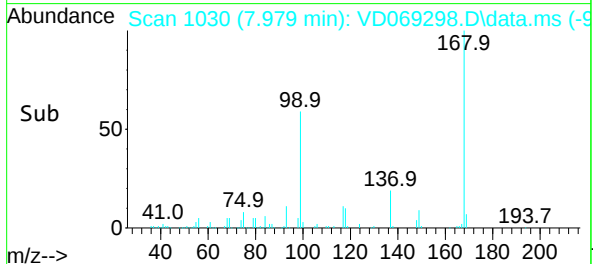
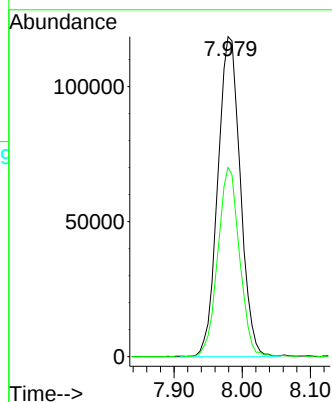
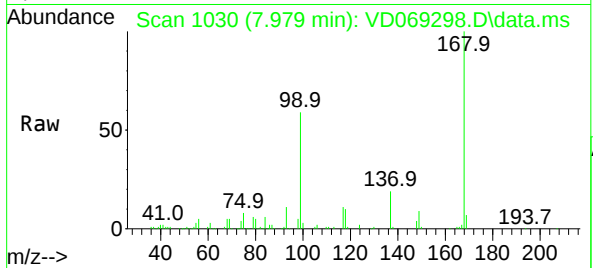




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069298.D
Acq: 02 Jun 2021 13:39

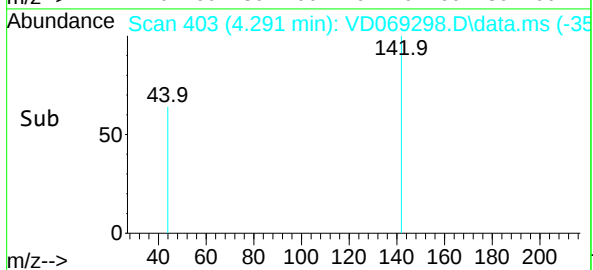
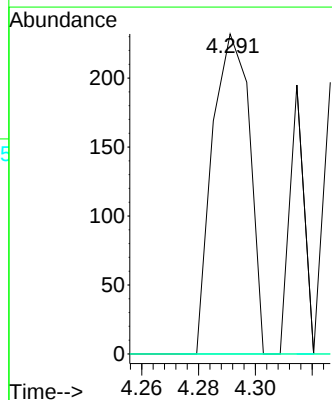
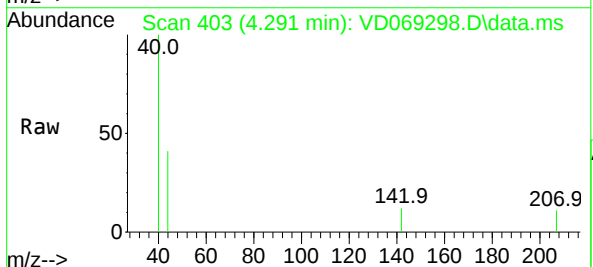
Instrument :
MSVOA_D
ClientSampled :

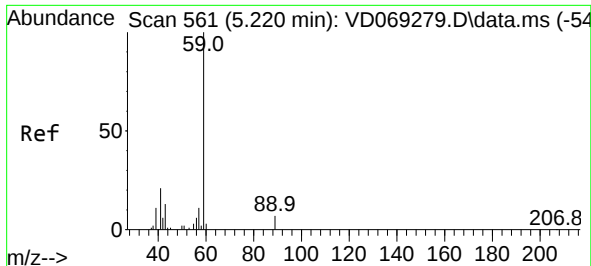
Tgt Ion:168 Resp: 272307
Ion Ratio Lower Upper
168 100
99 58.8 46.2 69.2



#10
Methyl Iodide
Concen: 2.58 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD069298.D
Acq: 02 Jun 2021 13:39

Tgt Ion:142 Resp: 211
Ion Ratio Lower Upper
142 100
127 0.0 36.2 54.2#
141 0.0 12.2 18.2#



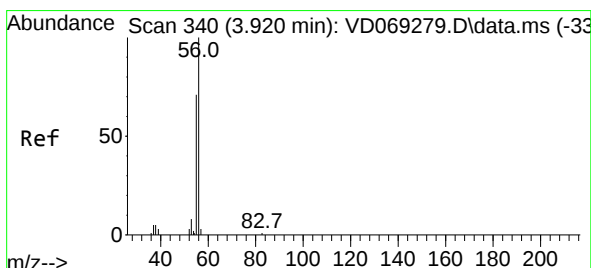
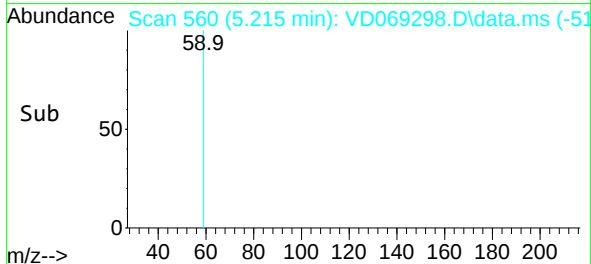
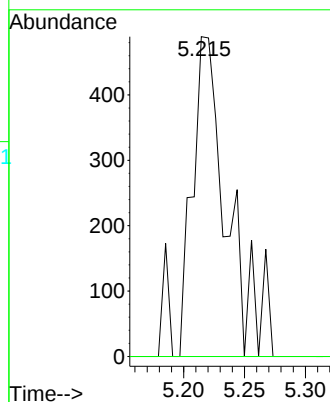
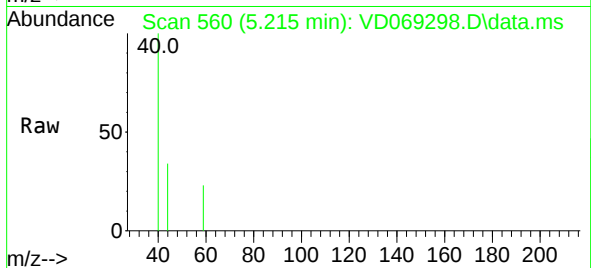


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.215 min Scan# 560
Delta R.T. -0.005 min
Lab File: VD069298.D
Acq: 02 Jun 2021 13:39

Instrument :
MSVOA_D
ClientSampled :

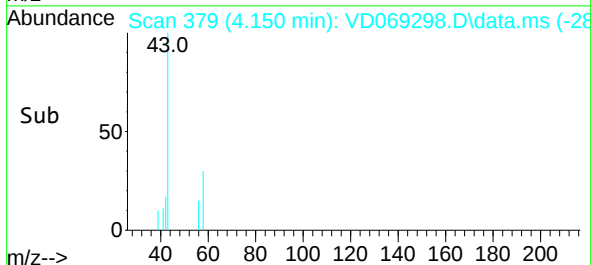
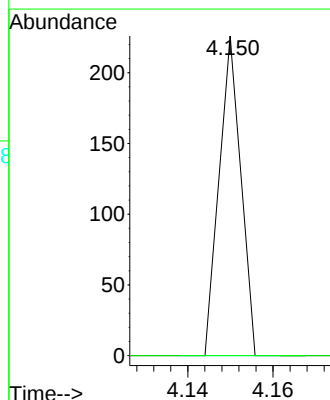
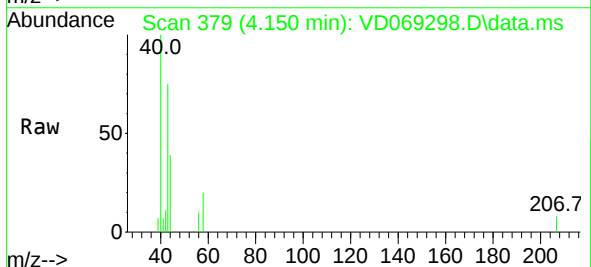
Tgt Ion: 59 Resp: 985
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

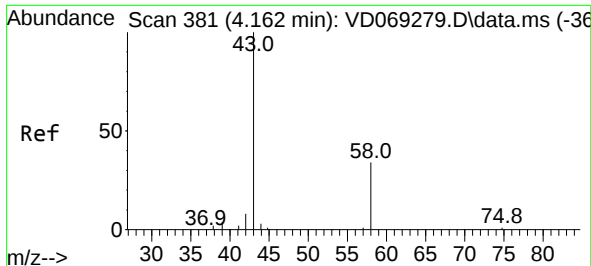


#13

Acrolein
Concen: 17.57 ug/l
RT: 4.150 min Scan# 379
Delta R.T. 0.230 min
Lab File: VD069298.D
Acq: 02 Jun 2021 13:39

Tgt Ion: 56 Resp: 80
Ion Ratio Lower Upper
56 100
55 0.0 53.8 80.8#

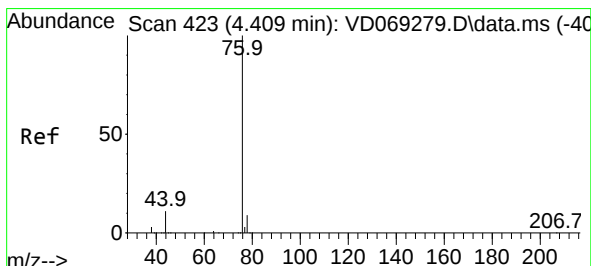
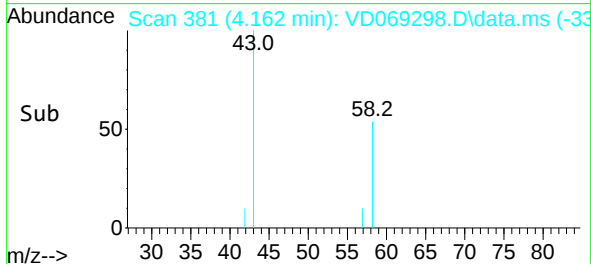
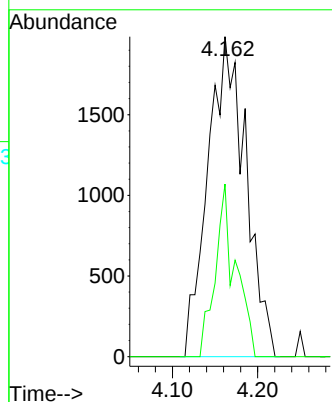
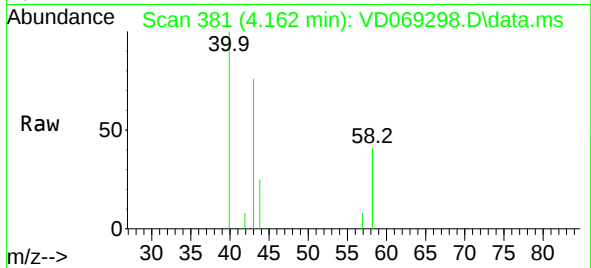




#16
Acetone
Concen: 13.47 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD069298.D
Acq: 02 Jun 2021 13:39

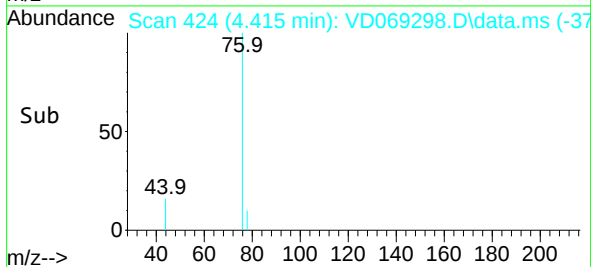
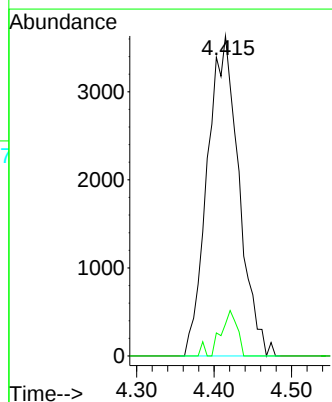
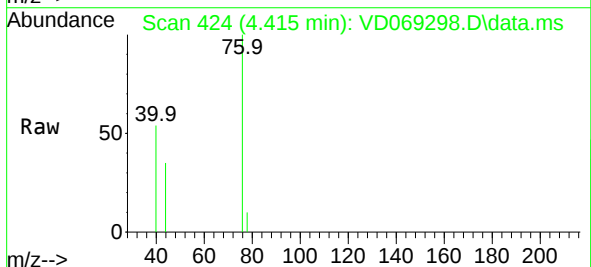
Instrument :
MSVOA_D
ClientSampled :

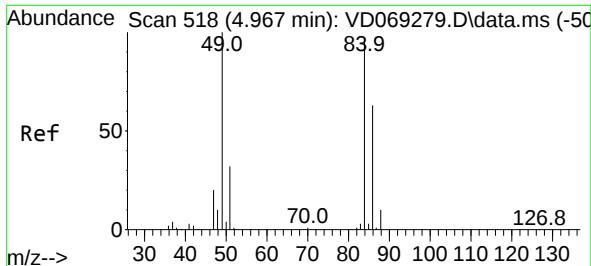
Tgt Ion: 43 Resp: 6140
Ion Ratio Lower Upper
43 100
58 53.9 27.5 41.3#



#17
Carbon Disulfide
Concen: 1.14 ug/l
RT: 4.415 min Scan# 424
Delta R.T. 0.006 min
Lab File: VD069298.D
Acq: 02 Jun 2021 13:39

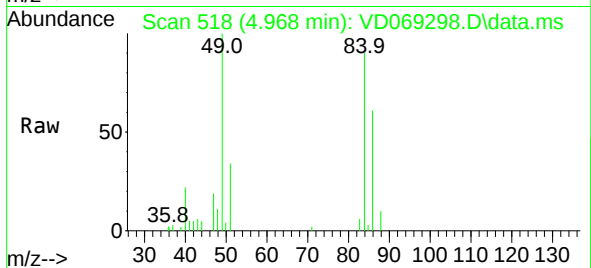
Tgt Ion: 76 Resp: 10295
Ion Ratio Lower Upper
76 100
78 10.0 7.4 11.0



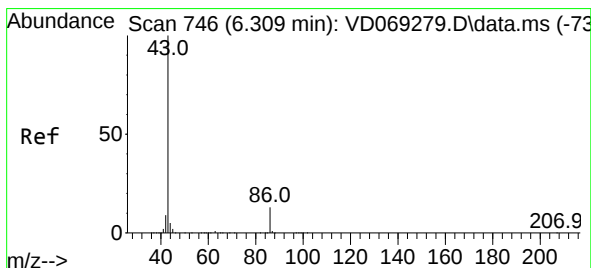
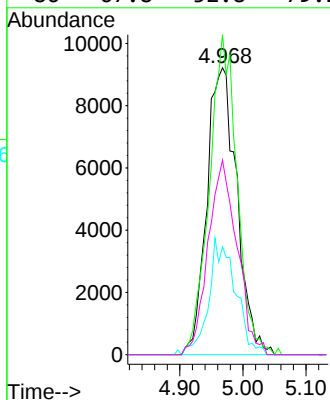
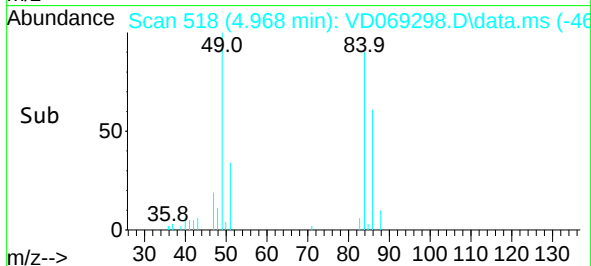


#20
Methylene Chloride
Concen: 2.72 ug/l
RT: 4.968 min Scan# 518
Delta R.T. 0.001 min
Lab File: VD069298.D
Acq: 02 Jun 2021 13:39

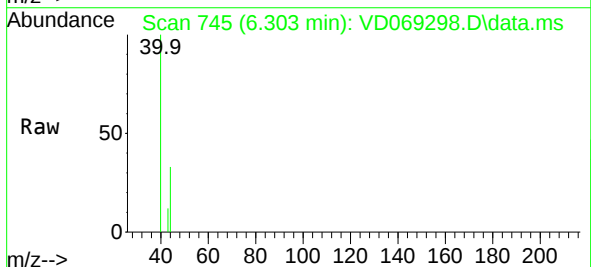
Instrument :
MSVOA_D
ClientSampled :



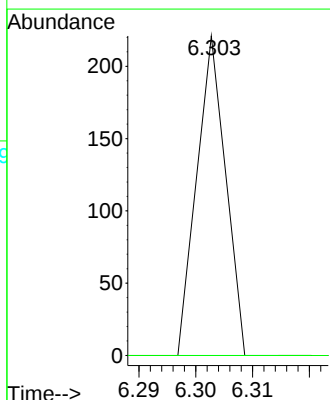
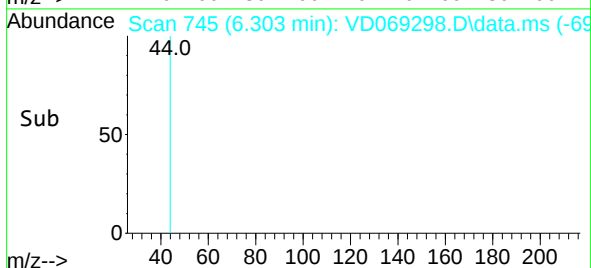
Tgt Ion:	84	Resp:	30392
Ion	Ratio	Lower	Upper
84	100		
49	111.5	83.7	125.5
51	37.6	26.4	39.6
86	67.8	52.8	79.2

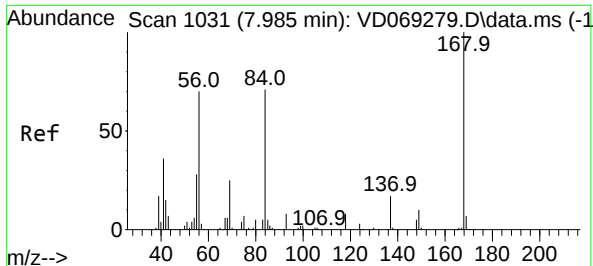


#23
Vinyl Acetate
Concen: 11.63 ug/l
RT: 6.303 min Scan# 745
Delta R.T. -0.006 min
Lab File: VD069298.D
Acq: 02 Jun 2021 13:39



Tgt Ion:	43	Resp:	78
Ion	Ratio	Lower	Upper
43	100		
86	0.0	10.5	15.7#

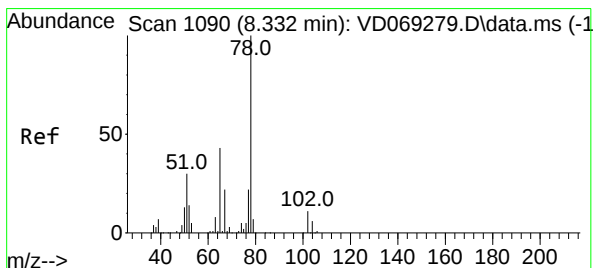
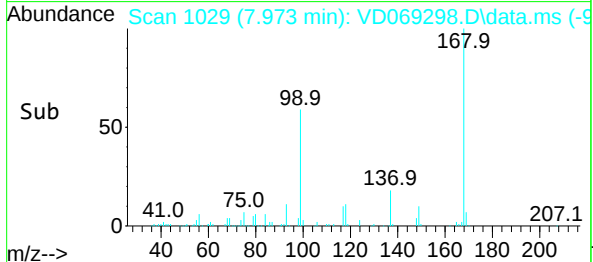
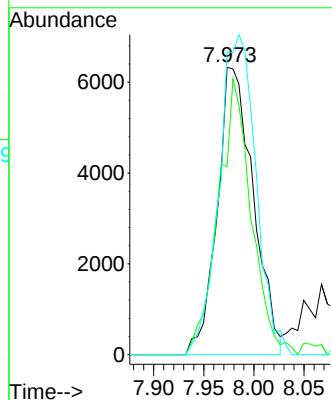
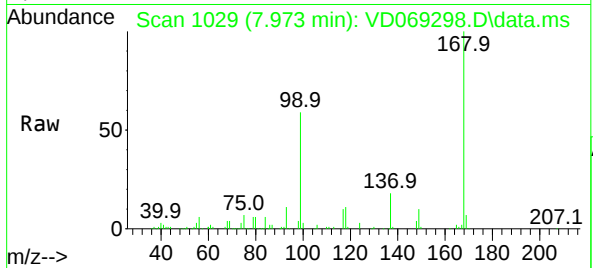




#31
Cyclohexane
Concen: 3.81 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069298.D
Acq: 02 Jun 2021 13:39

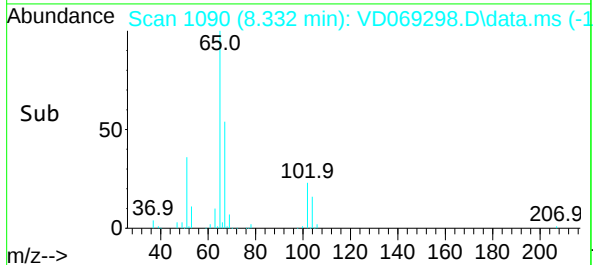
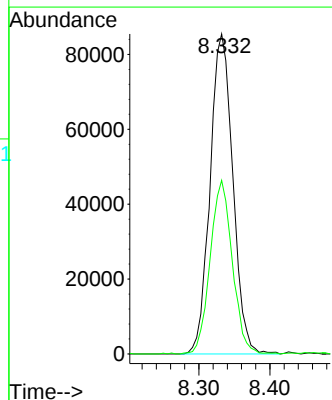
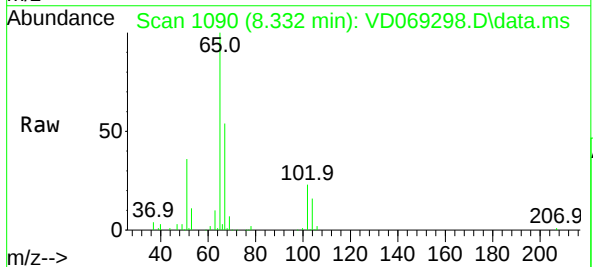
Instrument :
MSVOA_D
ClientSampleId :

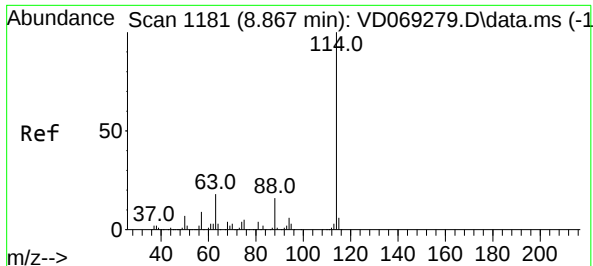
Tgt Ion: 56 Resp: 15809
Ion Ratio Lower Upper
56 100
69 65.4 29.0 43.4#
84 105.3 81.1 121.7



#33
1,2-Dichloroethane-d4
Concen: 72.82 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069298.D
Acq: 02 Jun 2021 13:39

Tgt Ion: 65 Resp: 190271
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.8



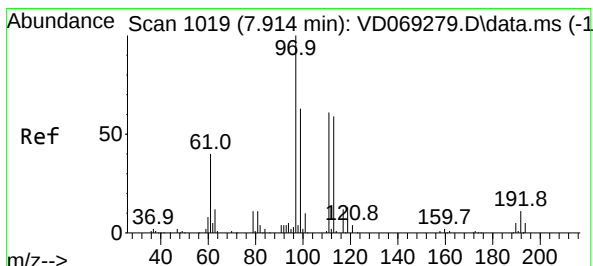
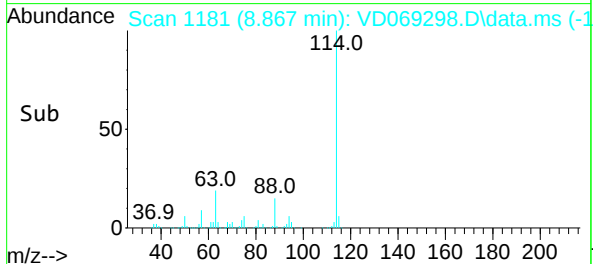
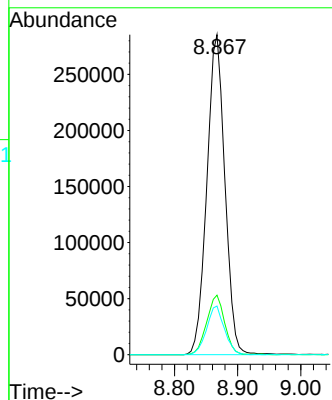
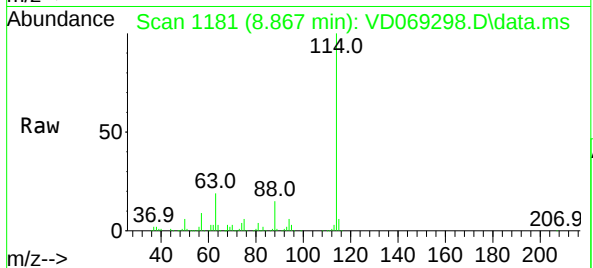


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069298.D
Acq: 02 Jun 2021 13:39

Instrument :
MSVOA_D
ClientSampled :

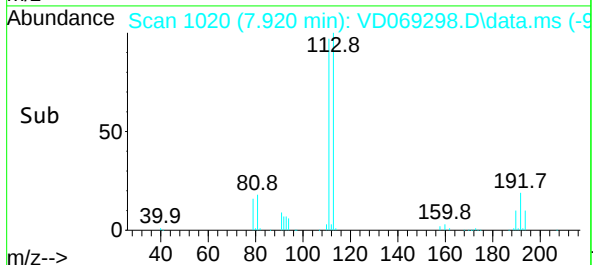
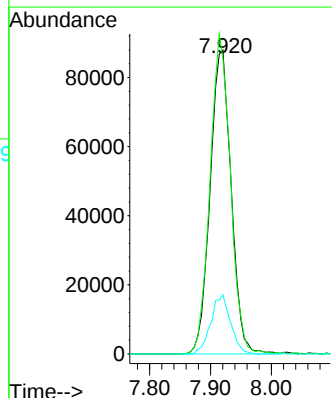
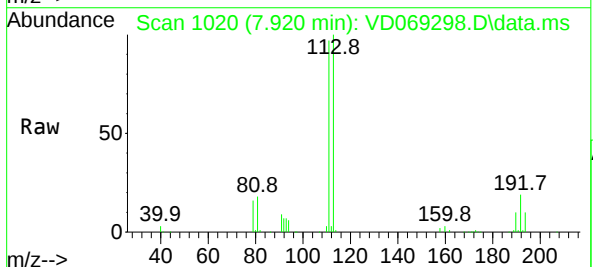
Tgt Ion:114 Resp: 565181
Ion Ratio Lower Upper
114 100
63 18.6 0.0 35.6
88 15.2 0.0 31.2

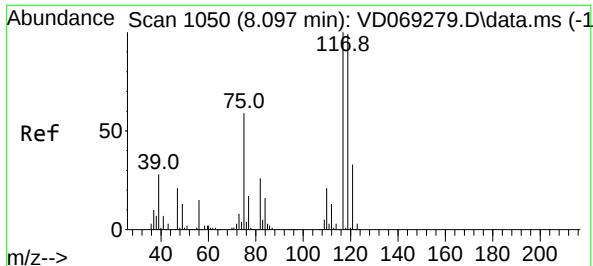


#35

Dibromofluoromethane
Concen: 59.62 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VD069298.D
Acq: 02 Jun 2021 13:39

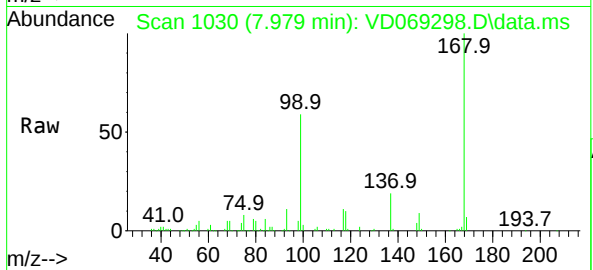
Tgt Ion:113 Resp: 211592
Ion Ratio Lower Upper
113 100
111 101.9 83.0 124.6
192 18.2 15.1 22.7



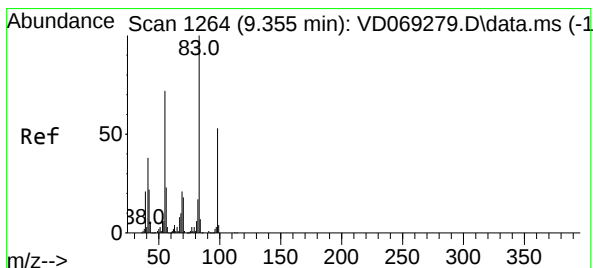
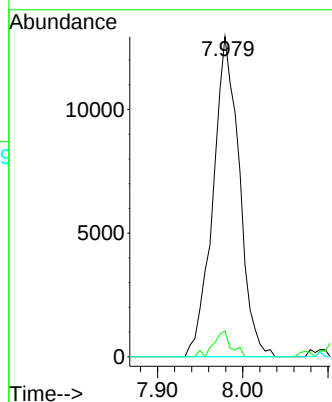
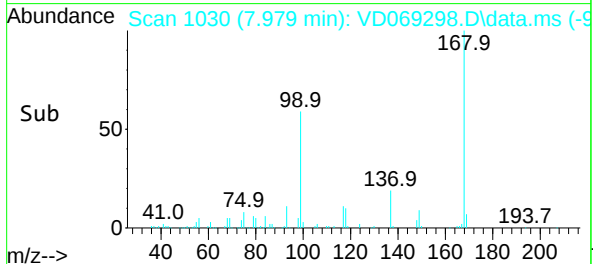


#38
Carbon Tetrachloride
Concen: 4.69 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069298.D
Acq: 02 Jun 2021 13:39

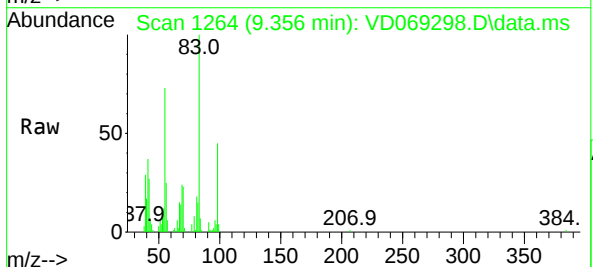
Instrument :
MSVOA_D
ClientSampled :



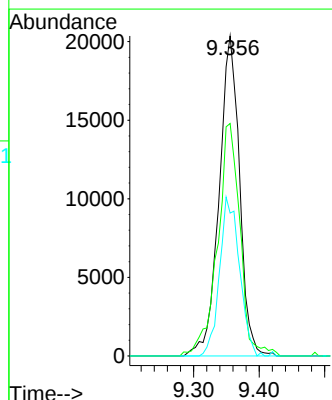
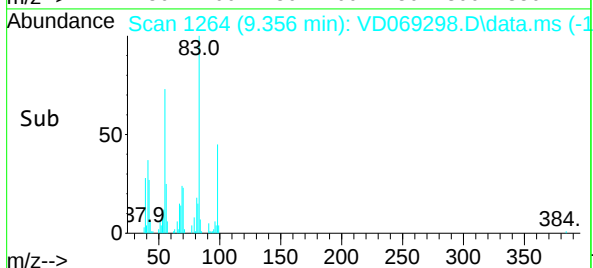
Tgt Ion:117 Resp: 27837
Ion Ratio Lower Upper
117 100
119 8.1 79.4 119.2#
121 0.0 26.1 39.1#

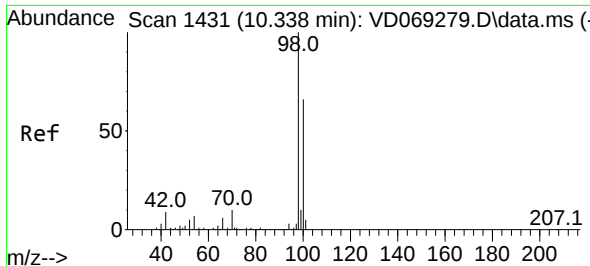


#39
Methylcyclohexane
Concen: 7.85 ug/l
RT: 9.356 min Scan# 1264
Delta R.T. 0.000 min
Lab File: VD069298.D
Acq: 02 Jun 2021 13:39



Tgt Ion: 83 Resp: 44101
Ion Ratio Lower Upper
83 100
55 72.6 57.4 86.2
98 44.7 42.2 63.2

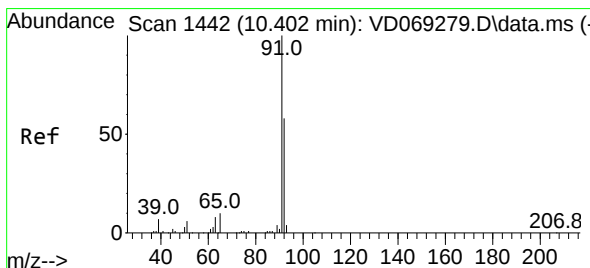
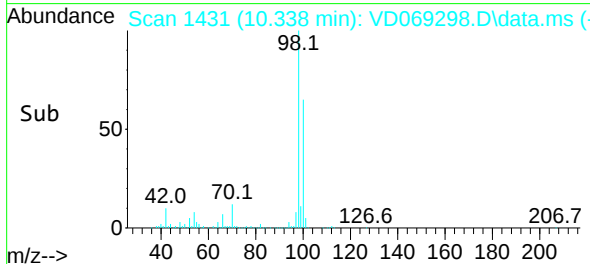
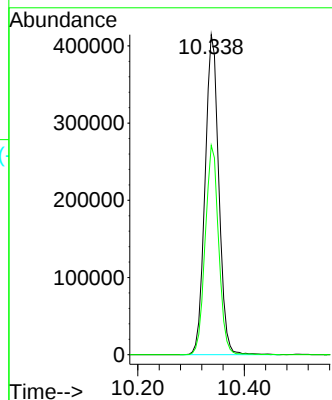
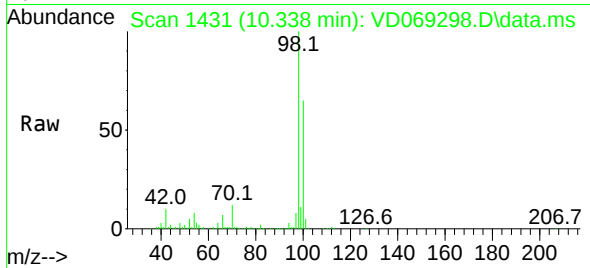




#50
Toluene-d8
Concen: 57.54 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069298.D
Acq: 02 Jun 2021 13:39

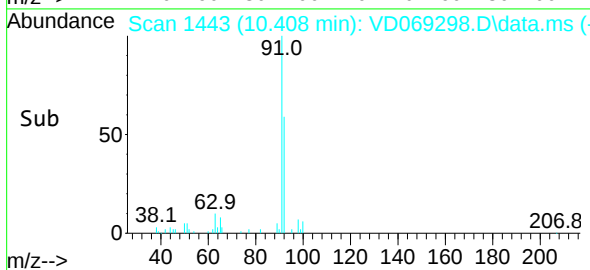
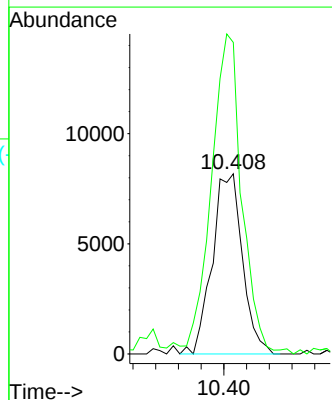
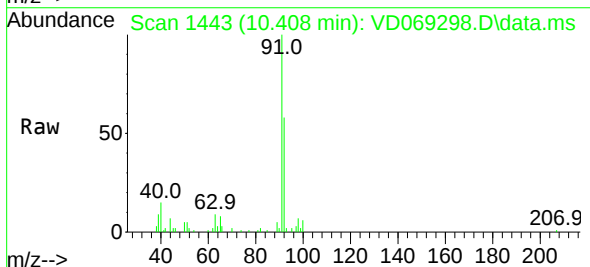
Instrument :
MSVOA_D
ClientSampled :

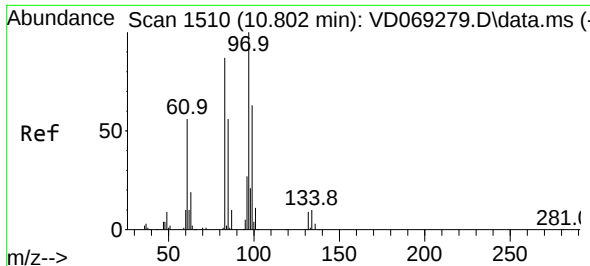
Tgt Ion: 98 Resp: 742642
Ion Ratio Lower Upper
98 100
100 64.1 52.1 78.1



#52
Toluene
Concen: 1.50 ug/l
RT: 10.408 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VD069298.D
Acq: 02 Jun 2021 13:39

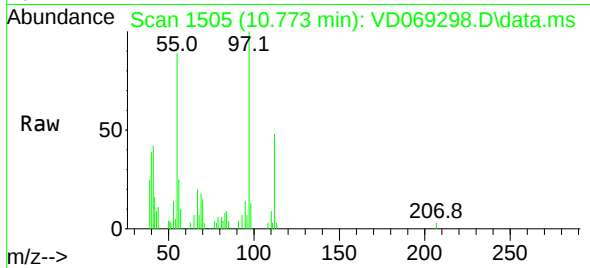
Tgt Ion: 92 Resp: 15110
Ion Ratio Lower Upper
92 100
91 182.0 138.4 207.6



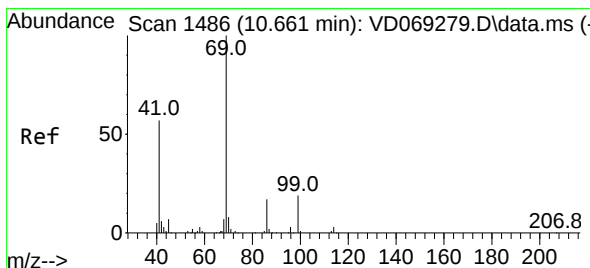
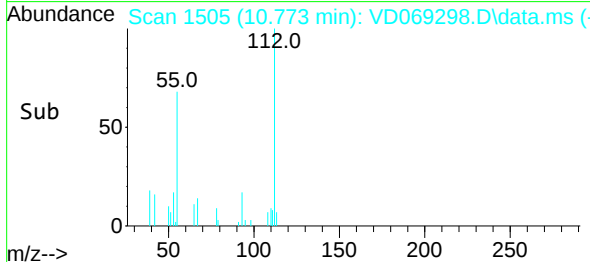
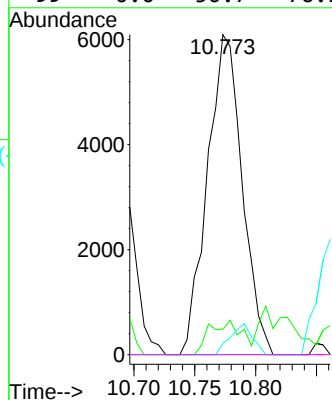


#55
1,1,2-Trichloroethane
Concen: 4.03 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.029 min
Lab File: VD069298.D
Acq: 02 Jun 2021 13:39

Instrument :
MSVOA_D
ClientSampled :

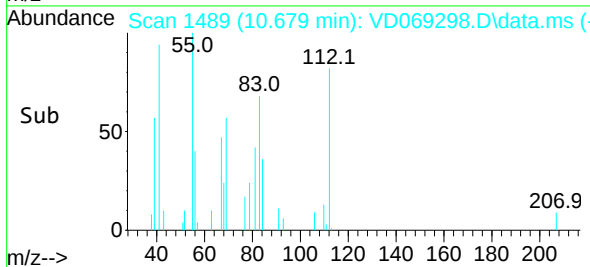
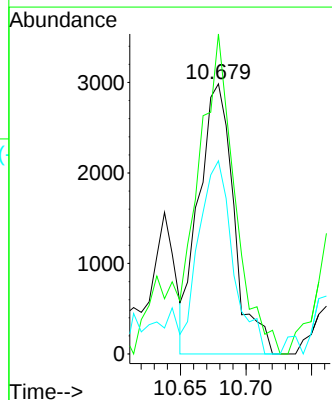
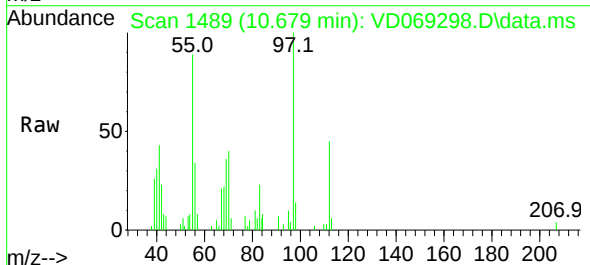


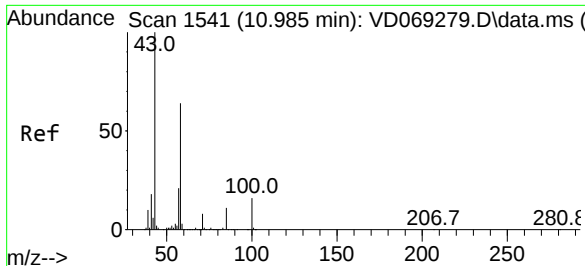
Tgt Ion:	97	Resp:	12126
Ion	Ratio	Lower	Upper
97	100		
83	8.0	69.4	104.0#
85	3.6	44.5	66.7#
99	0.0	50.7	76.1#



#56
Ethyl methacrylate
Concen: 4.18 ug/l
RT: 10.679 min Scan# 1489
Delta R.T. 0.018 min
Lab File: VD069298.D
Acq: 02 Jun 2021 13:39

Tgt Ion:	69	Resp:	5585
Ion	Ratio	Lower	Upper
69	100		
41	119.3	45.4	68.2#
39	78.0	21.7	32.5#

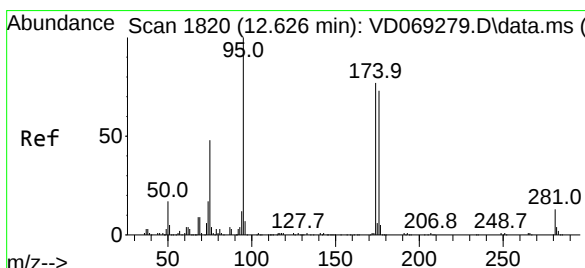
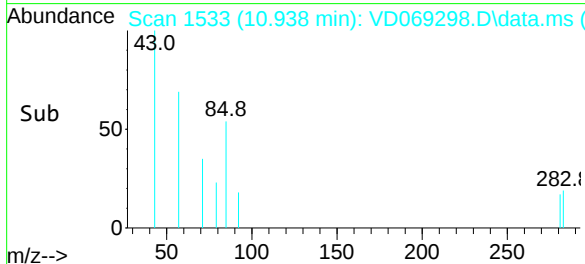
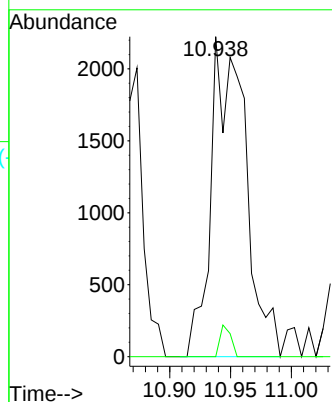
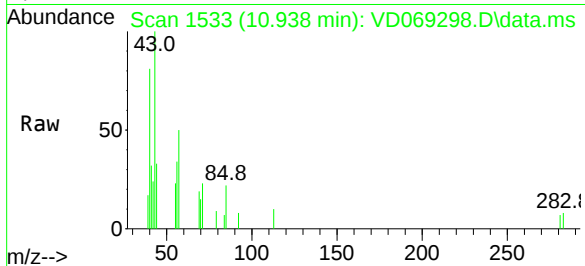




#59
2-Hexanone
Concen: 3.74 ug/l
RT: 10.938 min Scan# 1533
Delta R.T. -0.047 min
Lab File: VD069298.D
Acq: 02 Jun 2021 13:39

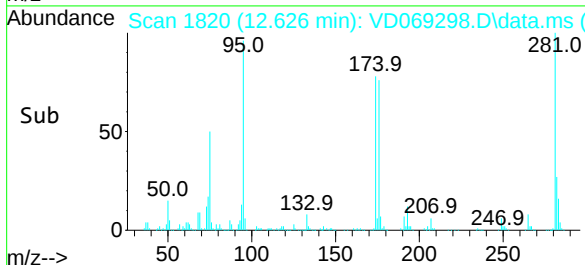
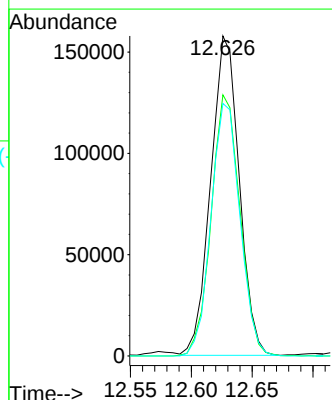
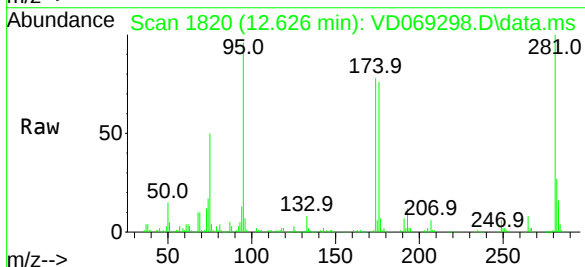
Instrument :
MSVOA_D
ClientSampled :

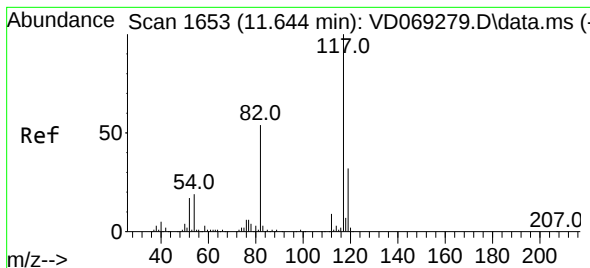
Tgt Ion: 43 Resp: 4388
Ion Ratio Lower Upper
43 100
58 3.1 30.8 92.3#



#62
4-Bromofluorobenzene
Concen: 60.79 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069298.D
Acq: 02 Jun 2021 13:39

Tgt Ion: 95 Resp: 257096
Ion Ratio Lower Upper
95 100
174 82.5 0.0 162.8
176 80.3 0.0 154.4

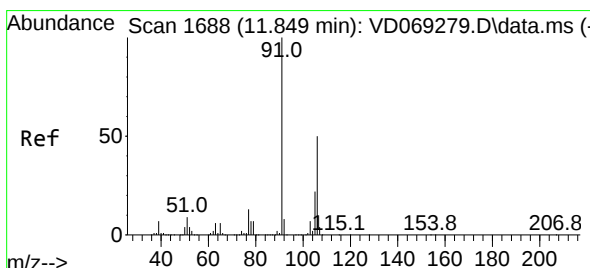
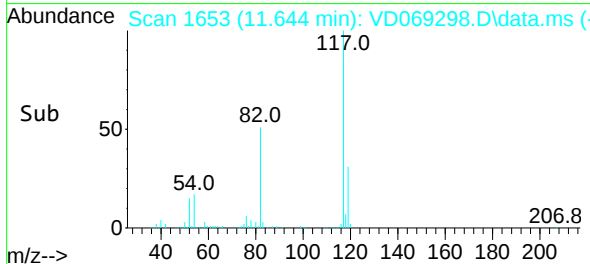
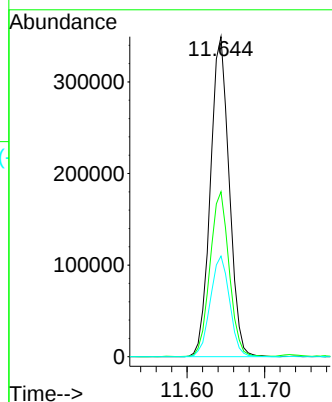
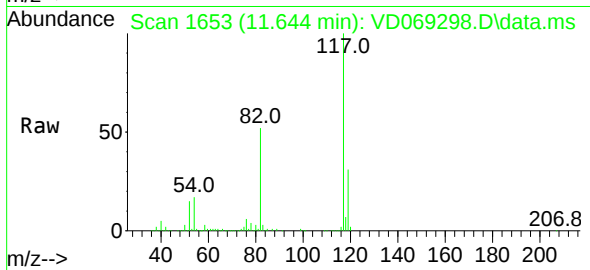




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069298.D
Acq: 02 Jun 2021 13:39

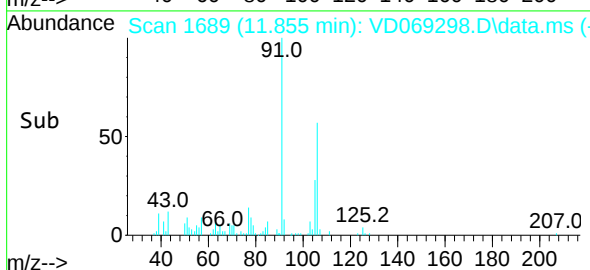
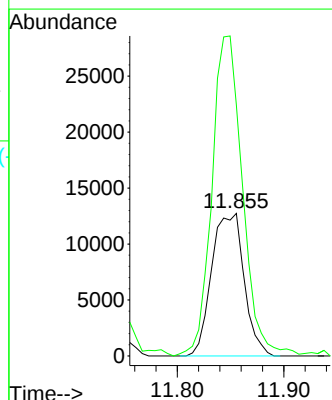
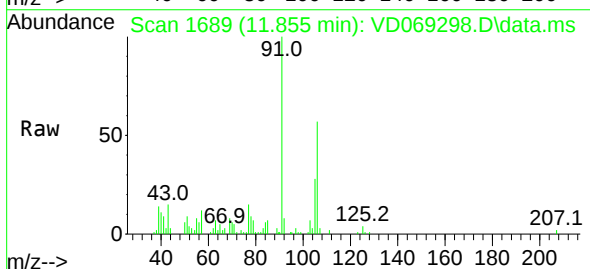
Instrument :
MSVOA_D
ClientSampleId :

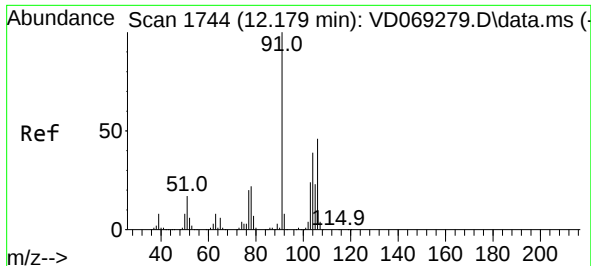
Tgt Ion:117 Resp: 587749
Ion Ratio Lower Upper
117 100
82 51.5 43.3 64.9
119 31.5 25.3 37.9



#68
m/p-Xylenes
Concen: 3.32 ug/l
RT: 11.855 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VD069298.D
Acq: 02 Jun 2021 13:39

Tgt Ion:106 Resp: 26885
Ion Ratio Lower Upper
106 100
91 212.2 158.3 237.5

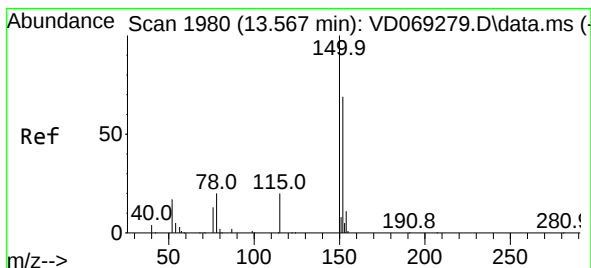
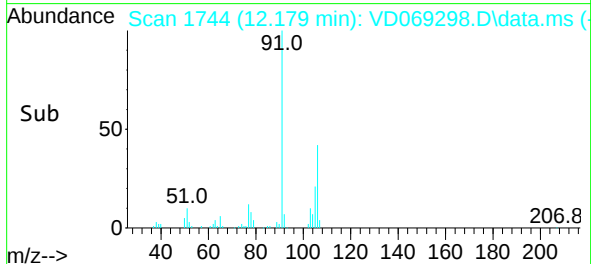
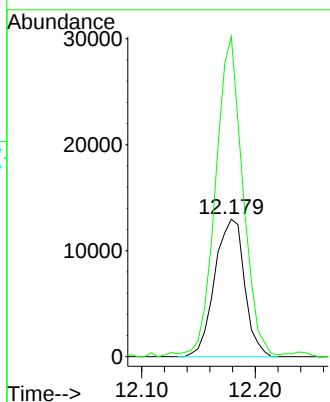
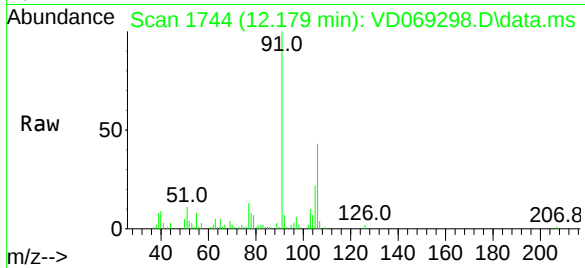




#69
o-Xylene
Concen: 3.30 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. 0.000 min
Lab File: VD069298.D
Acq: 02 Jun 2021 13:39

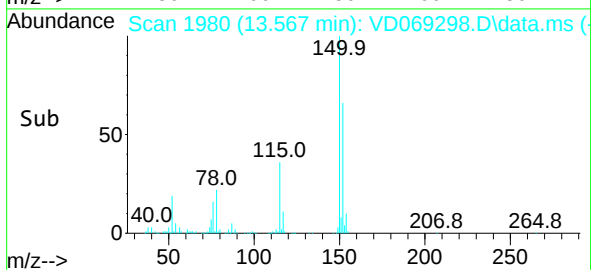
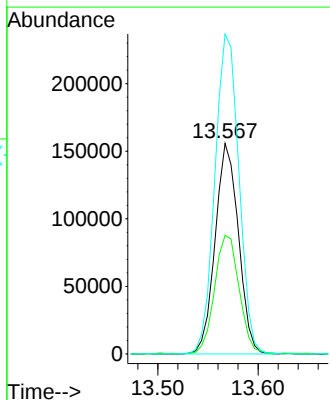
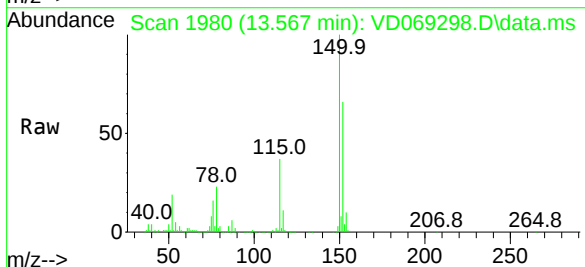
Instrument :
MSVOA_D
ClientSampleId :

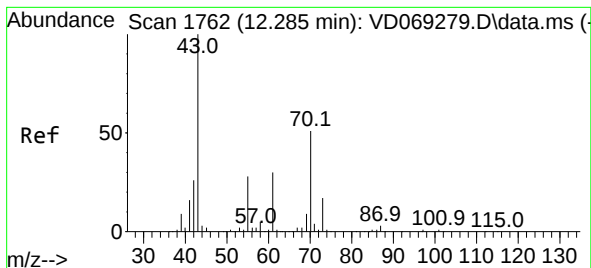
Tgt Ion:106 Resp: 23583
Ion Ratio Lower Upper
106 100
91 214.7 105.5 316.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069298.D
Acq: 02 Jun 2021 13:39

Tgt Ion:152 Resp: 250969
Ion Ratio Lower Upper
152 100
115 59.1 29.4 88.3
150 156.8 0.0 355.0

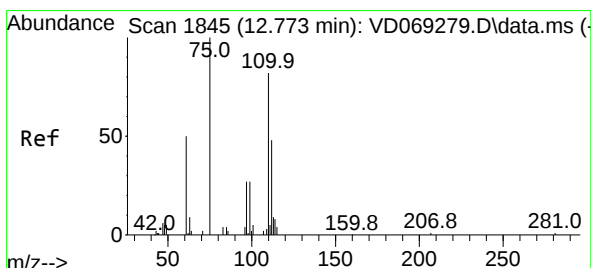
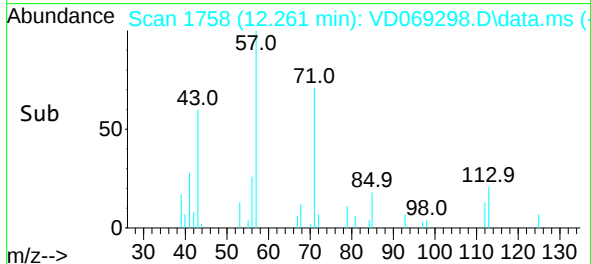
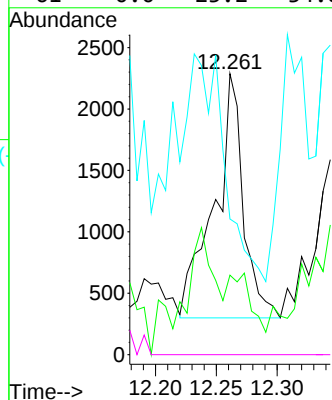
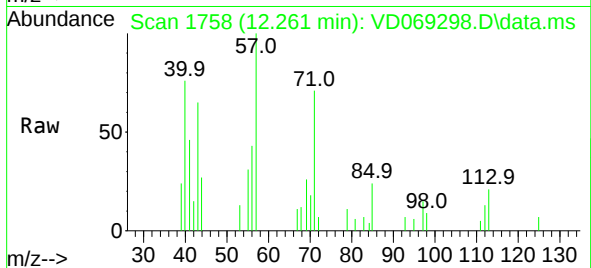




#74
N-amy1 acetate
Concen: 1.08 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.023 min
Lab File: VD069298.D
Acq: 02 Jun 2021 13:39

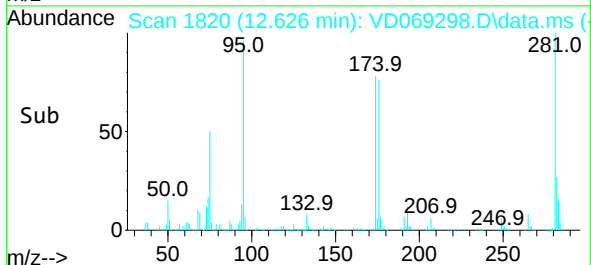
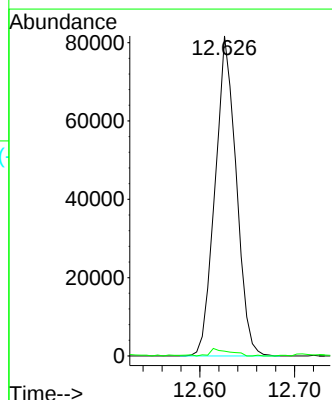
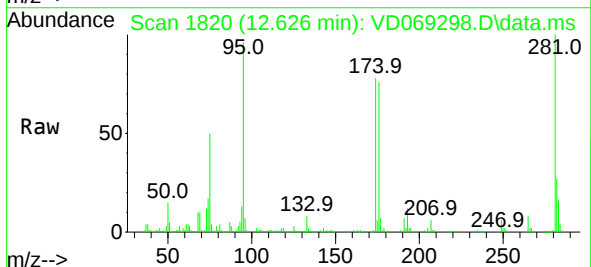
Instrument :
MSVOA_D
ClientSampled :

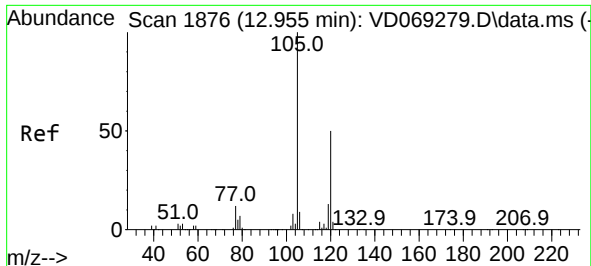
Tgt Ion: 43 Resp: 3291
Ion Ratio Lower Upper
43 100
70 17.8 40.9 61.3#
55 0.0 23.4 35.0#
61 0.0 23.2 34.8#



#76
1,2,3-Trichloropropane
Concen: 58.20 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069298.D
Acq: 02 Jun 2021 13:39

Tgt Ion: 75 Resp: 126905
Ion Ratio Lower Upper
75 100
77 2.1 183.8 551.2#

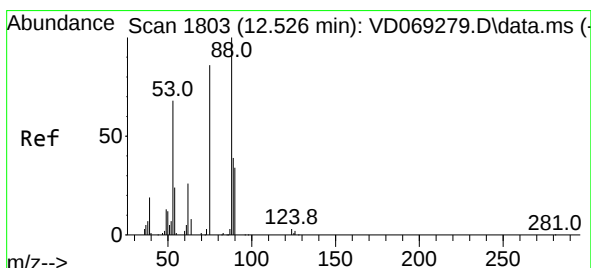
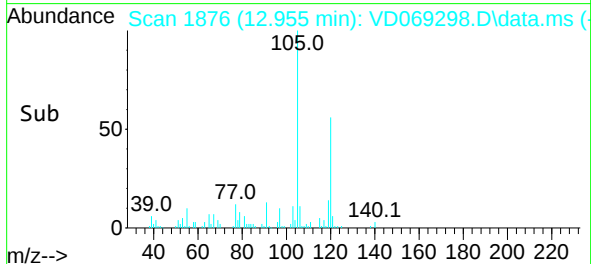
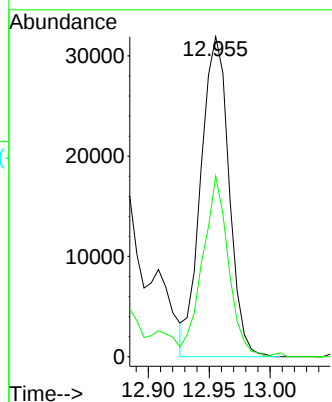
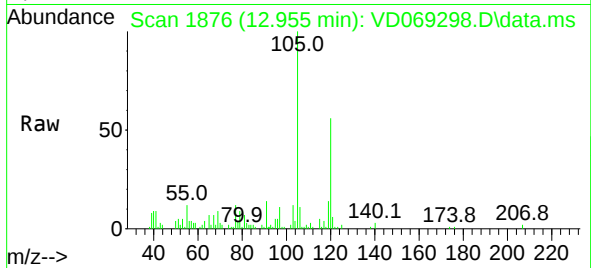




#80
1,3,5-Trimethylbenzene
Concen: 3.53 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VD069298.D
Acq: 02 Jun 2021 13:39

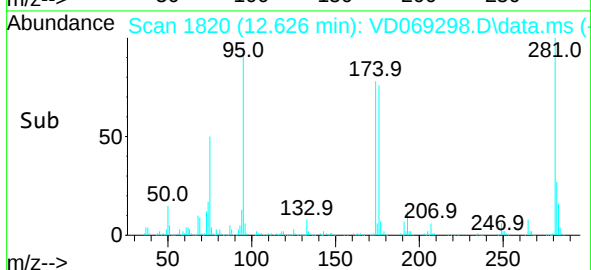
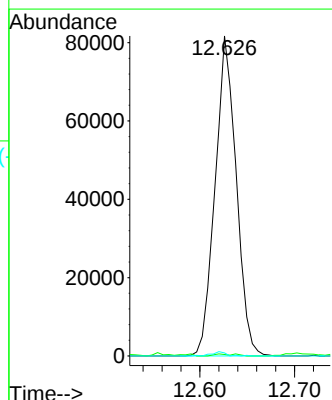
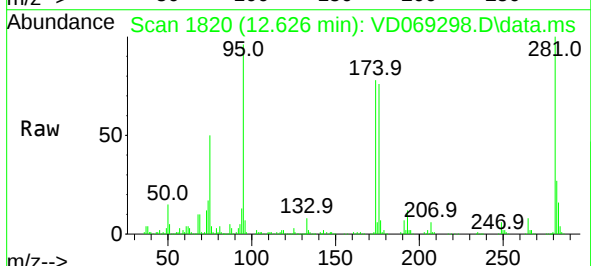
Instrument :
MSVOA_D
ClientSampled :

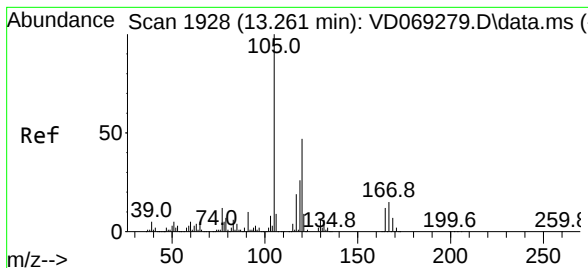
Tgt Ion:105 Resp: 51292
Ion Ratio Lower Upper
105 100
120 51.7 24.9 74.7



#81
trans-1,4-Dichloro-2-butene
Concen: 128.97 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069298.D
Acq: 02 Jun 2021 13:39

Tgt Ion: 75 Resp: 126905
Ion Ratio Lower Upper
75 100
53 0.4 62.6 94.0#
89 0.9 35.6 53.4#

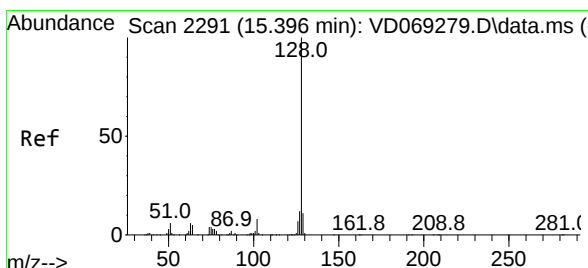
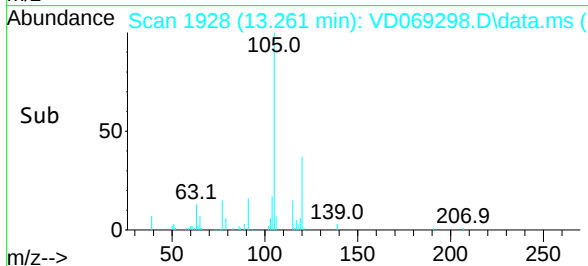
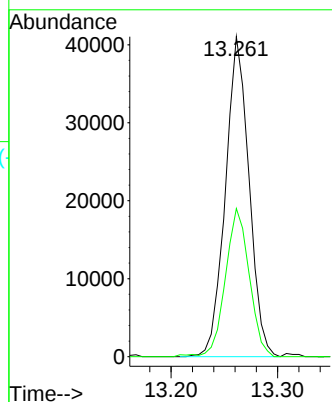
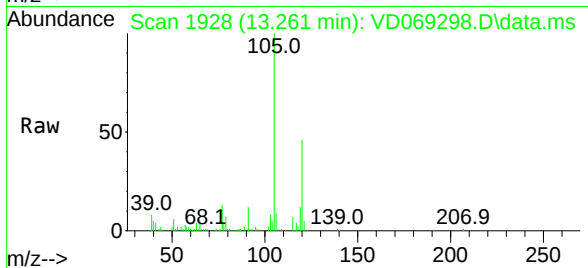




#84
1,2,4-Trimethylbenzene
Concen: 4.36 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. 0.000 min
Lab File: VD069298.D
Acq: 02 Jun 2021 13:39

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:105 Resp: 63045
Ion Ratio Lower Upper
105 100
120 46.8 22.6 67.8



#95
Naphthalene
Concen: 33.09 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. -0.006 min
Lab File: VD069298.D
Acq: 02 Jun 2021 13:39

Tgt Ion:128 Resp: 273183
Ion Ratio Lower Upper
128 100
127 13.6 10.4 15.6
129 11.5 8.8 13.2

