

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061521\
 Data File : VD069448.D
 Acq On : 15 Jun 2021 19:04
 Operator : VA/SY
 Sample : M2709-11
 Misc : 5.090G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 16 02:02:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061121S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 11 12:50:13 2021
 Response via : Initial Calibration

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

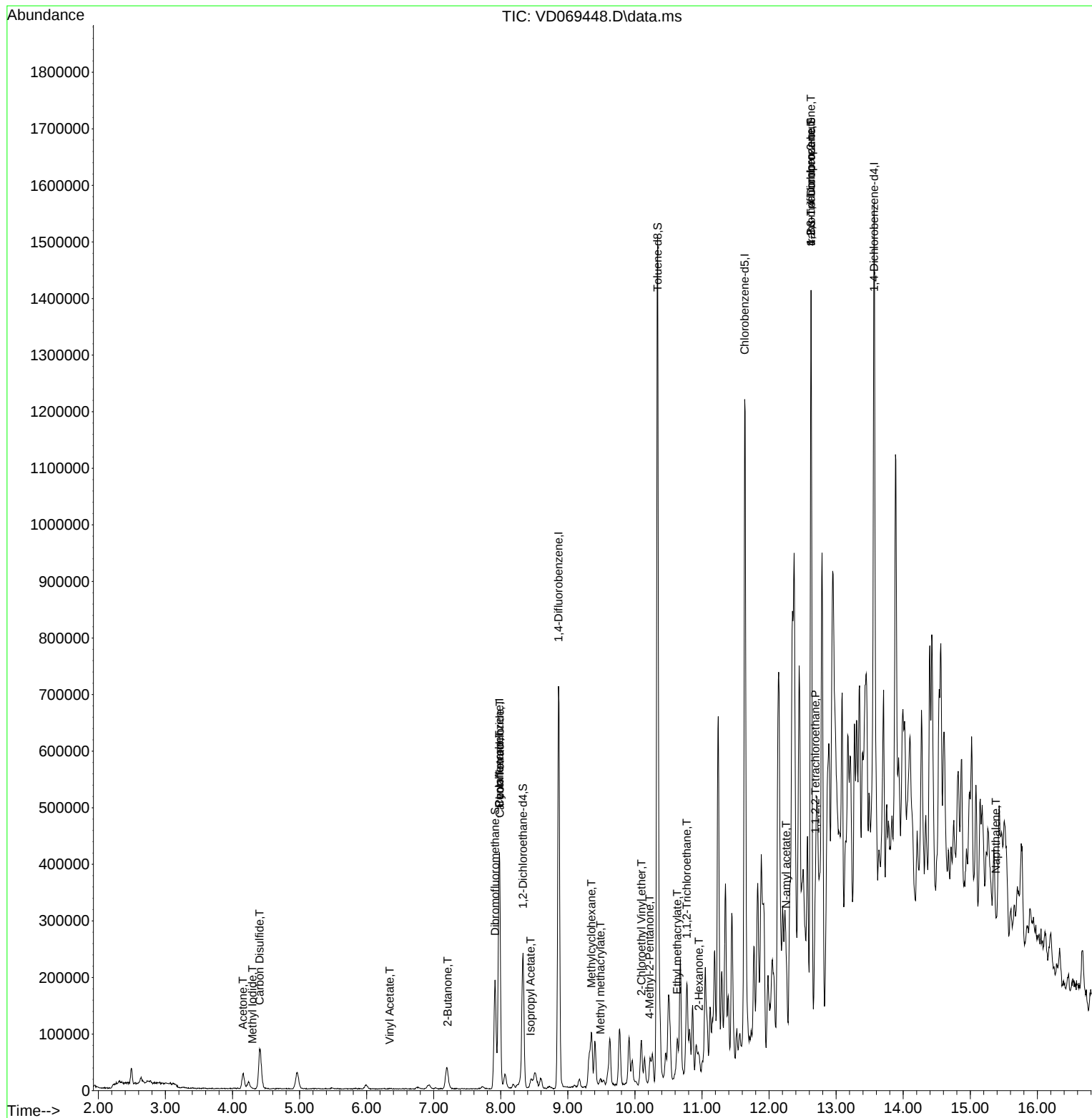
Internal Standards						
1) Pentafluorobenzene	7.979	168	312983	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	627945	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	698105	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	347543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	188849	53.484	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.960%			
35) Dibromofluoromethane	7.914	113	133934	28.476	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 56.960%			
50) Toluene-d8	10.338	98	873056	50.752	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.500%			
62) 4-Bromofluorobenzene	12.626	95	362254	65.631	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 131.260%			
Target Compounds					Qvalue	
5) Bromomethane	2.785	94	1346	Below Cal		98
10) Methyl Iodide	4.297	142	564	3.474 ug/l #		39
16) Acetone	4.156	43	45362	77.615 ug/l		94
17) Carbon Disulfide	4.403	76	153313	14.279 ug/l		97
18) Methyl Acetate	4.697	43	122	Below Cal #		46
20) Methylene Chloride	4.961	84	24451	Below Cal		91
23) Vinyl Acetate	6.344	43	277	17.629 ug/l #		67
25) 2-Butanone	7.208	43	11088	15.214 ug/l #		83
31) Cyclohexane	7.979	56	7761	1.618 ug/l #		1
38) Carbon Tetrachloride	7.985	117	34407	4.858 ug/l #		15
39) Methylcyclohexane	9.349	83	26947	4.097 ug/l #		73
43) Isopropyl Acetate	8.444	43	4786	1.157 ug/l #		46
48) Methyl methacrylate	9.485	41	3063	1.628 ug/l #		26
51) 4-Methyl-2-Pentanone	10.220	43	2202	1.043 ug/l #		80
55) 1,1,2-Trichloroethane	10.773	97	56247	15.287 ug/l #		23
56) Ethyl methacrylate	10.632	69	22981	7.984 ug/l #		80
58) 2-Chloroethyl Vinyl ether	10.097	63	190	12.026 ug/l		99
59) 2-Hexanone	10.955	43	15215	10.800 ug/l #		33
74) N-amyl acetate	12.255	43	33522	7.648 ug/l #		37
75) 1,1,2,2-Tetrachloroethane	12.690	83	32329	6.891 ug/l #		66
76) 1,2,3-Trichloropropane	12.626	75	156454	44.403 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	156454	118.456 ug/l #		24
95) Naphthalene	15.384	128	3139	3.813 ug/l #		77

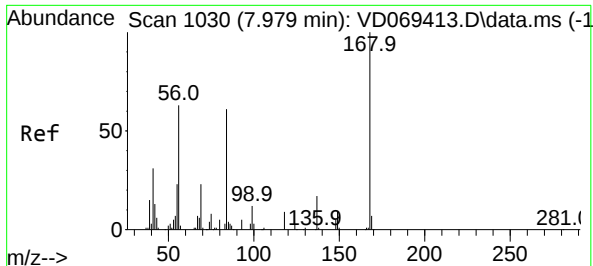
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061521\
Data File : VD069448.D
Acq On : 15 Jun 2021 19:04
Operator : VA/SY
Sample : M2709-11
Misc : 5.090G/5.00ml/MSVOA_D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 16 02:02:18 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061121S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 11 12:50:13 2021
Response via : Initial Calibration

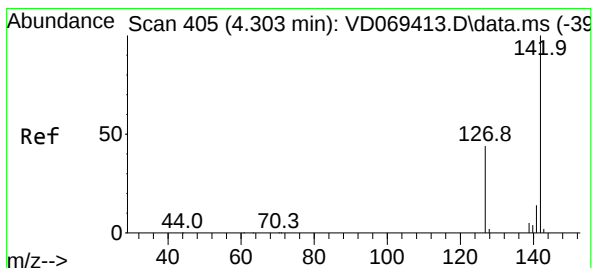
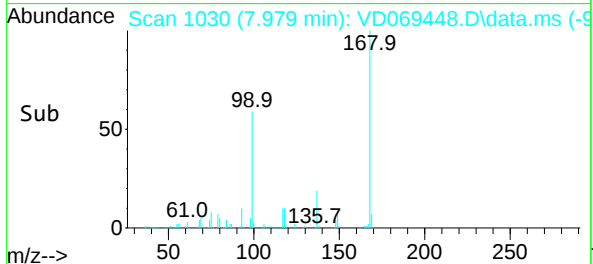
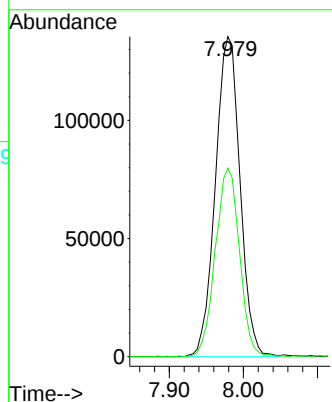
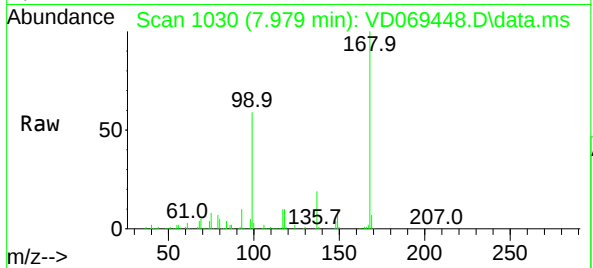




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069448.D
Acq: 15 Jun 2021 19:04

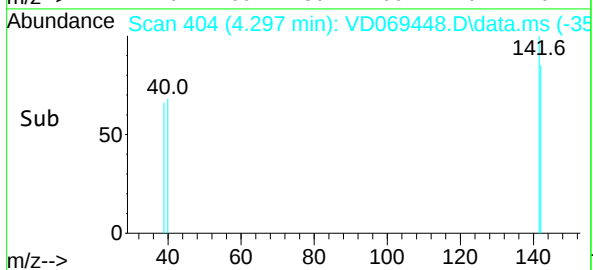
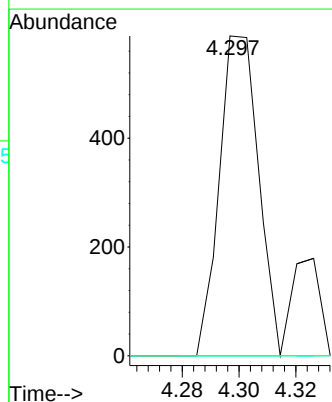
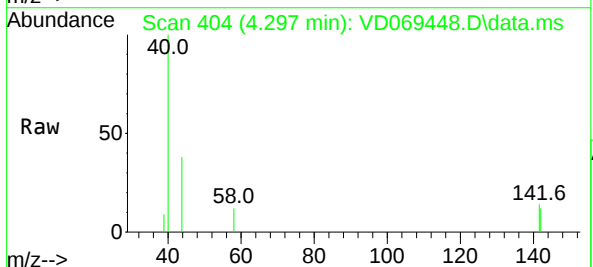
Instrument :
MSVOA_D
ClientSampled :

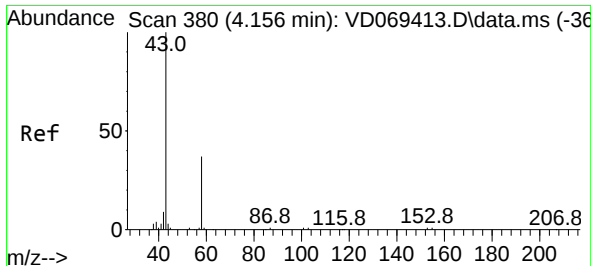
Tgt Ion:168 Resp: 312983
Ion Ratio Lower Upper
168 100
99 58.7 46.2 69.2



#10
Methyl Iodide
Concen: 3.474 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD069448.D
Acq: 15 Jun 2021 19:04

Tgt Ion:142 Resp: 564
Ion Ratio Lower Upper
142 100
127 0.0 36.2 54.2#
141 0.0 12.2 18.2#

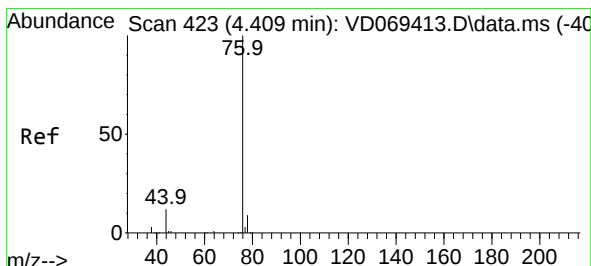
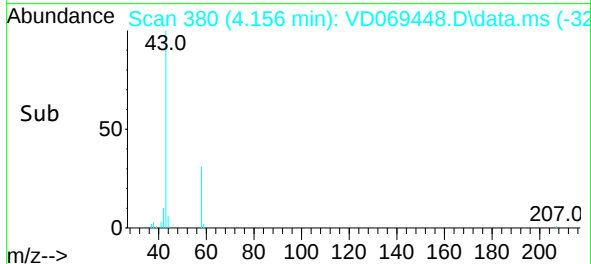
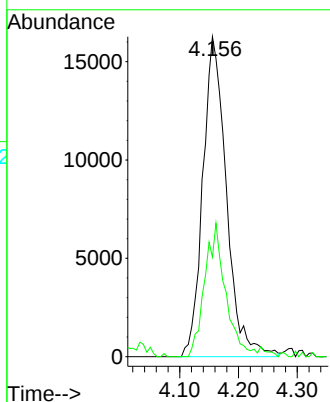
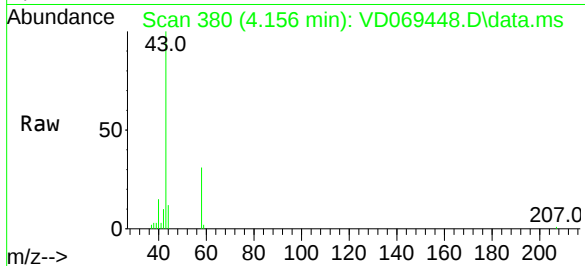




#16
Acetone
Concen: 77.615 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069448.D
Acq: 15 Jun 2021 19:04

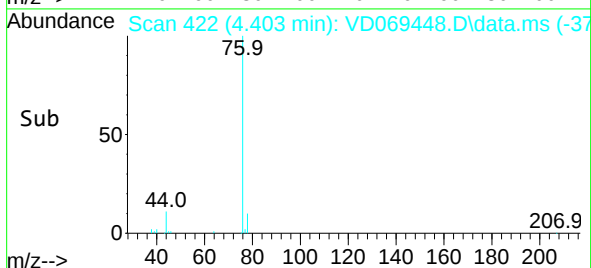
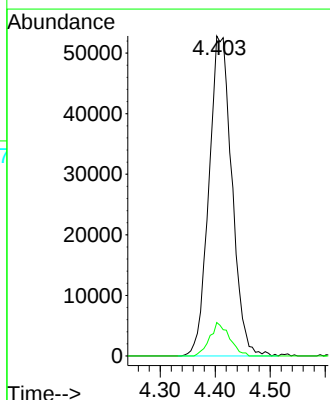
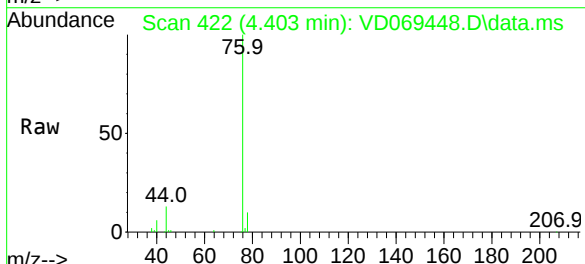
Instrument :
MSVOA_D
ClientSampled :

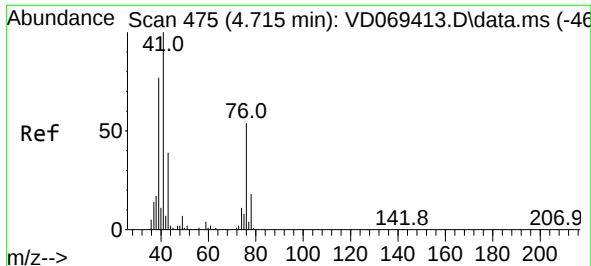
Tgt Ion: 43 Resp: 45362
Ion Ratio Lower Upper
43 100
58 31.1 27.5 41.3



#17
Carbon Disulfide
Concen: 14.279 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD069448.D
Acq: 15 Jun 2021 19:04

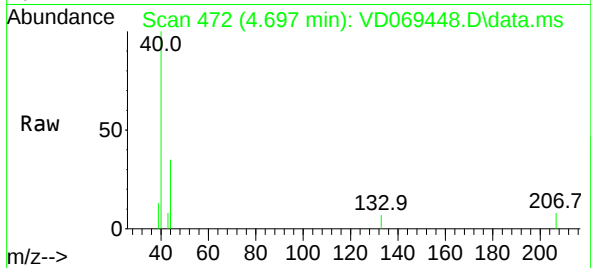
Tgt Ion: 76 Resp: 153313
Ion Ratio Lower Upper
76 100
78 10.5 7.4 11.0



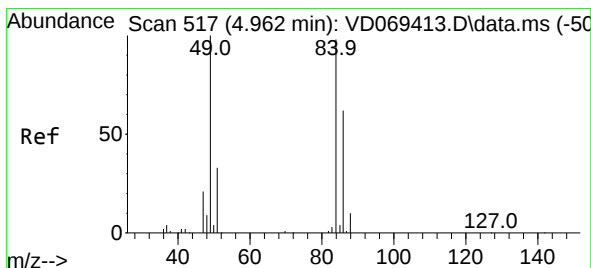
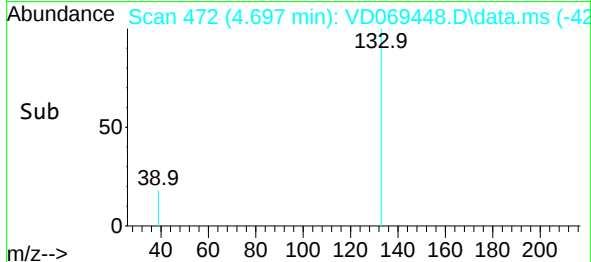
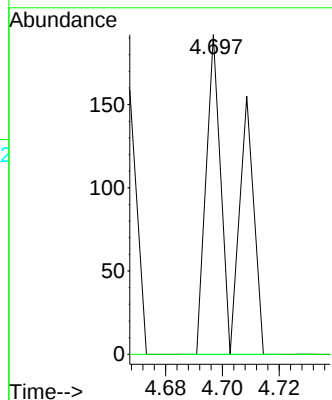


#18
Methyl Acetate
Concen: Below Cal
RT: 4.697 min Scan# 472
Delta R.T. -0.018 min
Lab File: VD069448.D
Acq: 15 Jun 2021 19:04

Instrument :
MSVOA_D
ClientSampled :

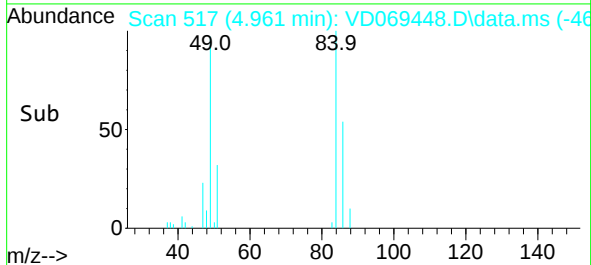
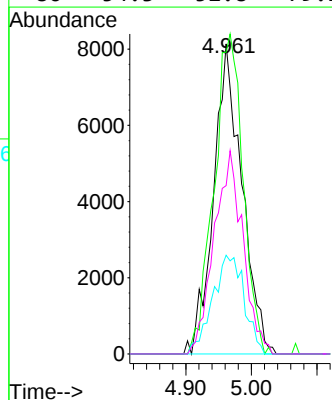
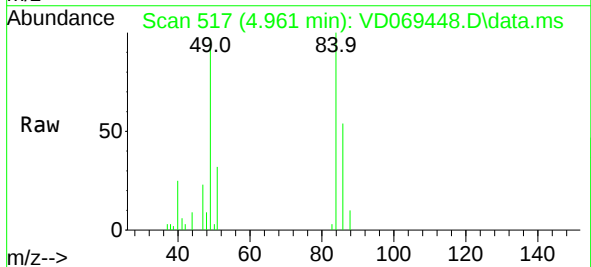


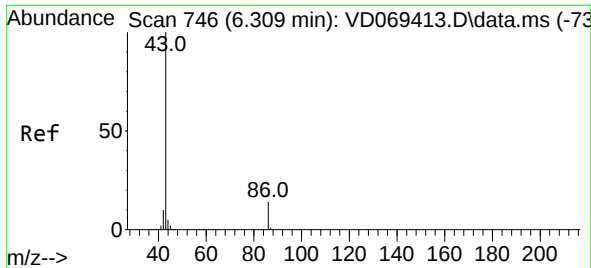
Tgt Ion: 43 Resp: 122
Ion Ratio Lower Upper
43 100
74 0.0 22.8 34.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD069448.D
Acq: 15 Jun 2021 19:04

Tgt Ion: 84 Resp: 24451
Ion Ratio Lower Upper
84 100
49 97.3 83.7 125.5
51 31.9 26.4 39.6
86 54.3 52.8 79.2

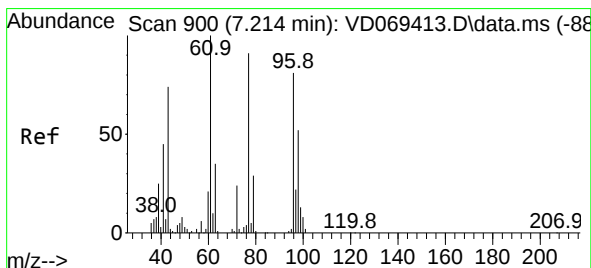
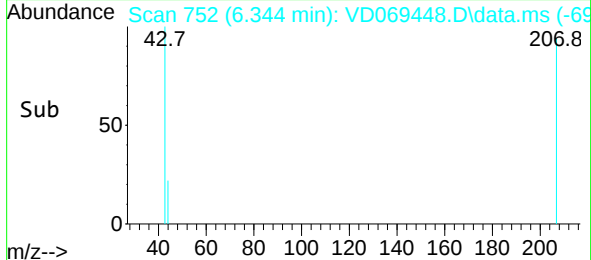
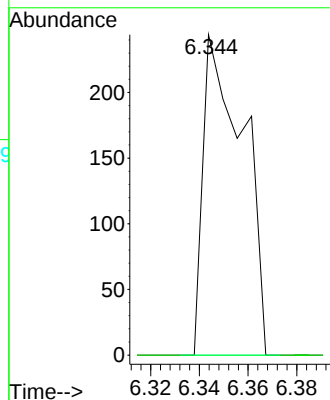
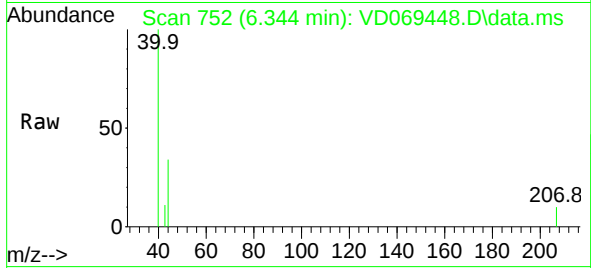




#23
 Vinyl Acetate
 Concen: 17.629 ug/l
 RT: 6.344 min Scan# 752
 Delta R.T. 0.035 min
 Lab File: VD069448.D
 Acq: 15 Jun 2021 19:04

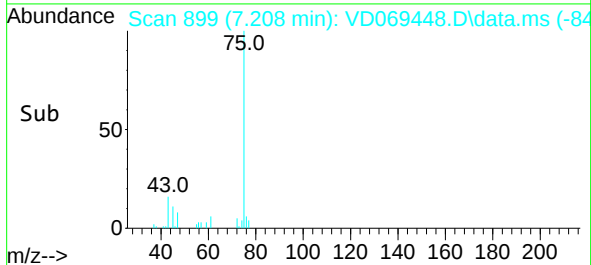
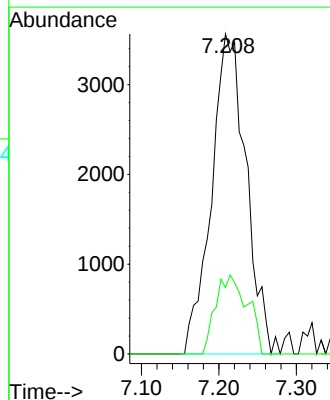
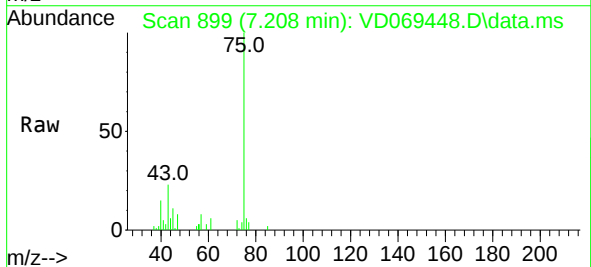
Instrument :
 MSVOA_D
 ClientSampled :

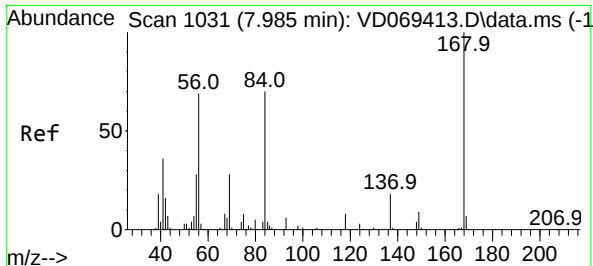
Tgt Ion: 43 Resp: 277
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.5 15.7#



#25
 2-Butanone
 Concen: 15.214 ug/l
 RT: 7.208 min Scan# 899
 Delta R.T. -0.006 min
 Lab File: VD069448.D
 Acq: 15 Jun 2021 19:04

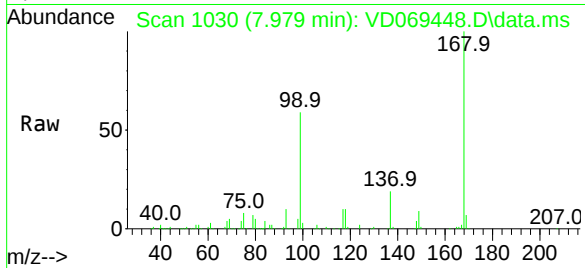
Tgt Ion: 43 Resp: 11088
 Ion Ratio Lower Upper
 43 100
 72 20.7 23.9 35.9#



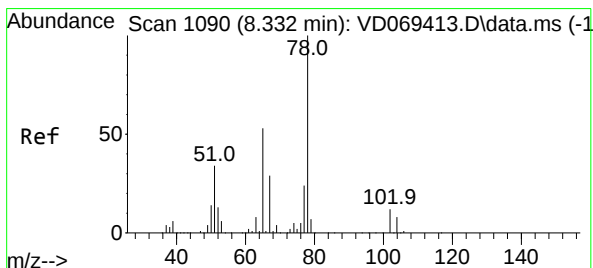
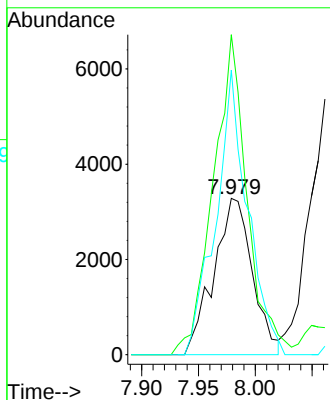
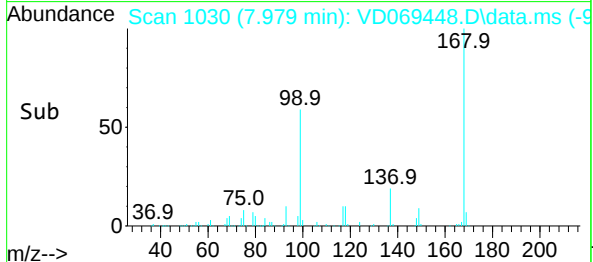


#31
Cyclohexane
Concen: 1.618 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069448.D
Acq: 15 Jun 2021 19:04

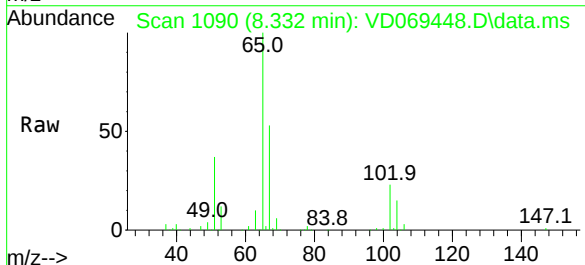
Instrument :
MSVOA_D
ClientSampled :



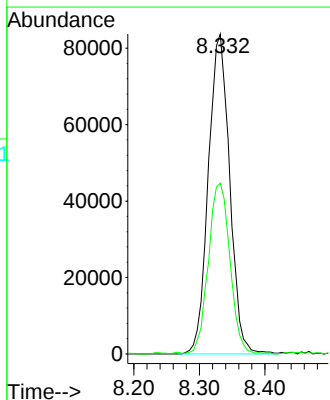
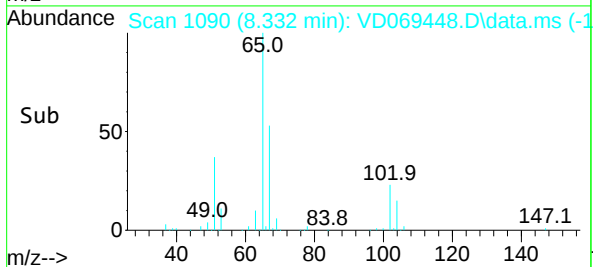
Tgt Ion: 56 Resp: 7761
Ion Ratio Lower Upper
56 100
69 198.7 29.0 43.4#
84 182.2 81.1 121.7#

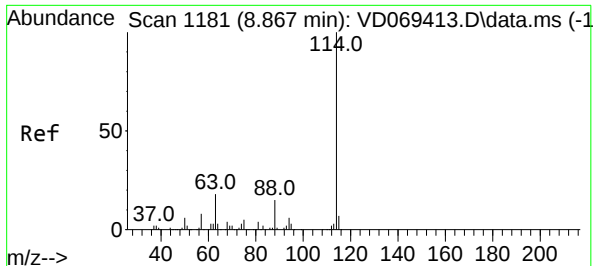


#33
1,2-Dichloroethane-d4
Concen: 53.484 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069448.D
Acq: 15 Jun 2021 19:04



Tgt Ion: 65 Resp: 188849
Ion Ratio Lower Upper
65 100
67 54.1 0.0 105.8



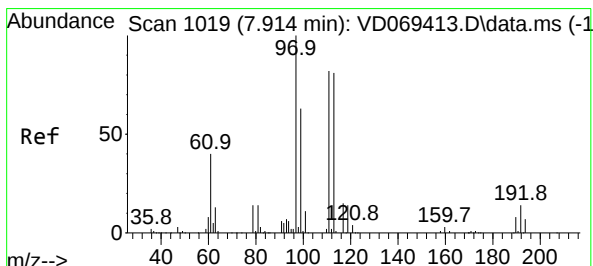
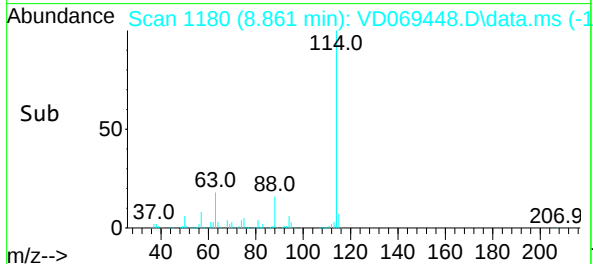
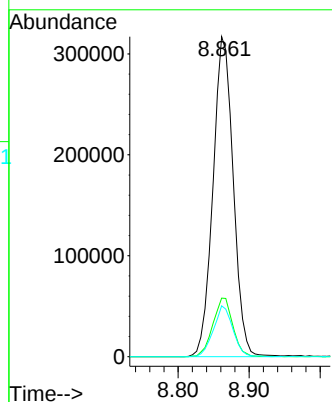
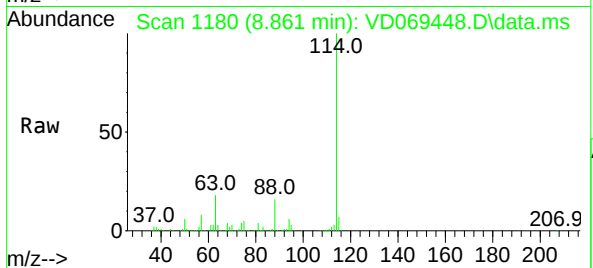


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069448.D
Acq: 15 Jun 2021 19:04

Instrument :
MSVOA_D
ClientSampled :

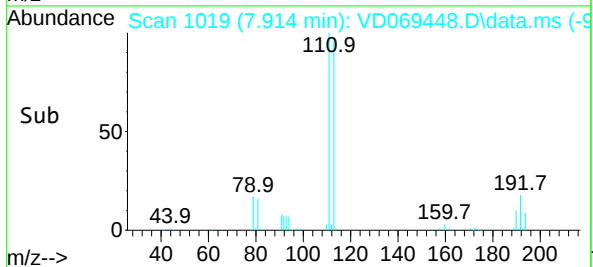
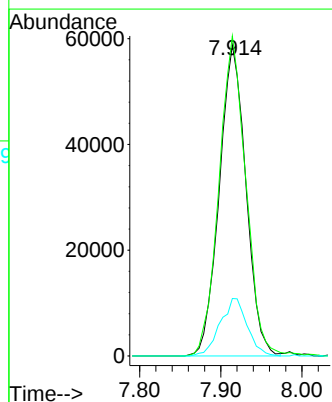
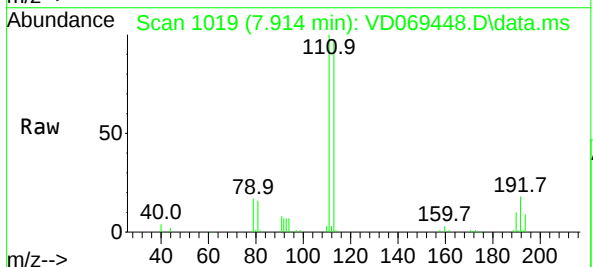
Tgt Ion:114 Resp: 627945
Ion Ratio Lower Upper
114 100
63 18.3 0.0 35.6
88 15.9 0.0 31.2

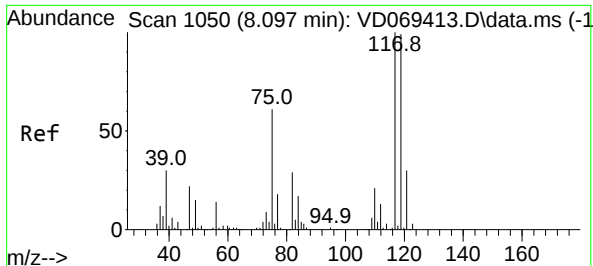


#35

Dibromofluoromethane
Concen: 28.476 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069448.D
Acq: 15 Jun 2021 19:04

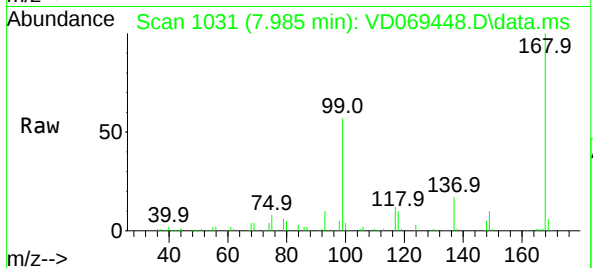
Tgt Ion:113 Resp: 133934
Ion Ratio Lower Upper
113 100
111 104.2 83.0 124.6
192 18.8 15.1 22.7



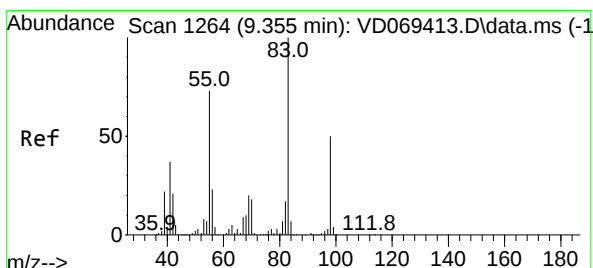
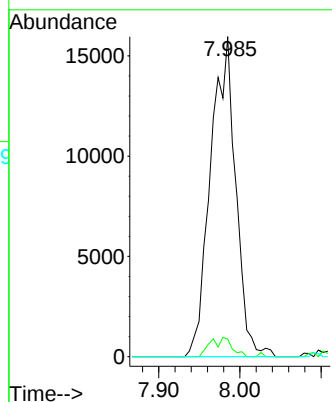
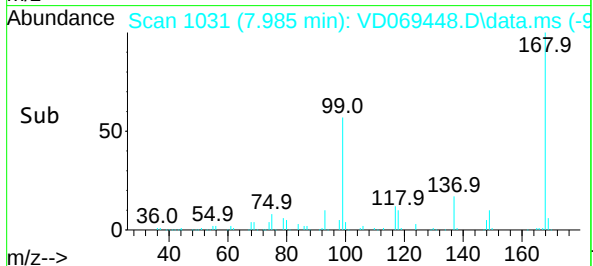


#38
Carbon Tetrachloride
Concen: 4.858 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD069448.D
Acq: 15 Jun 2021 19:04

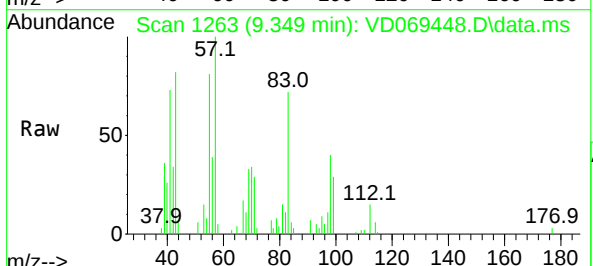
Instrument :
MSVOA_D
ClientSampled :



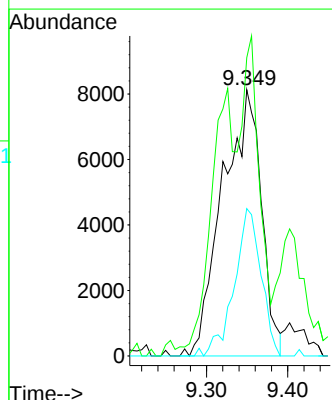
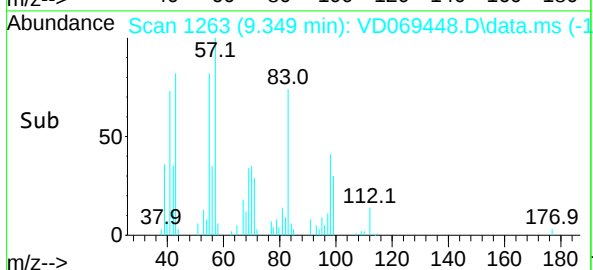
Tgt Ion:117 Resp: 34407
Ion Ratio Lower Upper
117 100
119 5.4 79.4 119.2#
121 0.0 26.1 39.1#

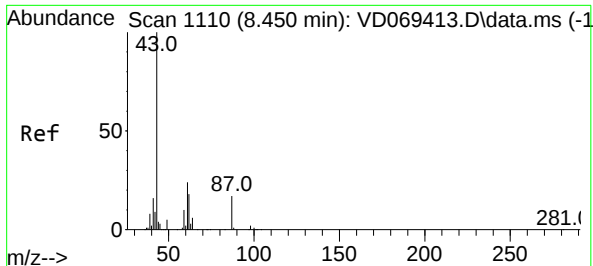


#39
Methylcyclohexane
Concen: 4.097 ug/l
RT: 9.349 min Scan# 1263
Delta R.T. -0.006 min
Lab File: VD069448.D
Acq: 15 Jun 2021 19:04



Tgt Ion: 83 Resp: 26947
Ion Ratio Lower Upper
83 100
55 108.5 57.4 86.2#
98 55.3 42.2 63.2



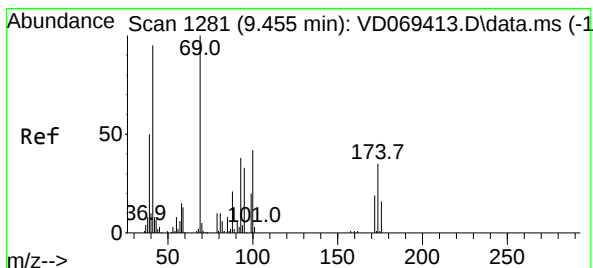
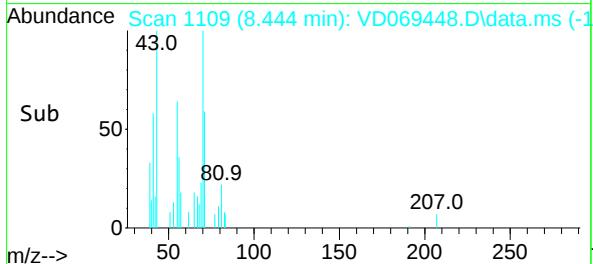
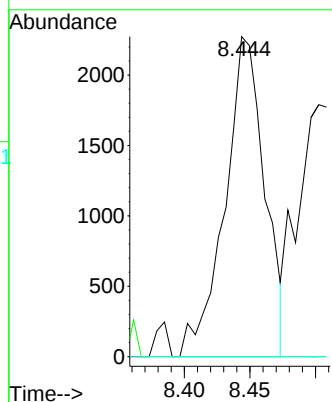
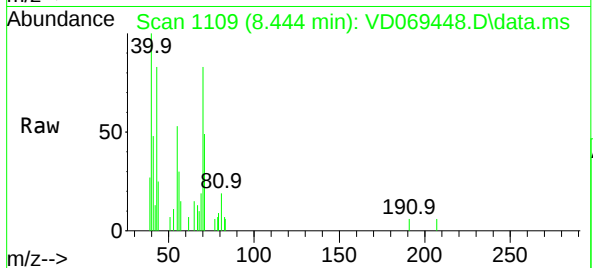


#43

Isopropyl Acetate
 Concen: 1.157 ug/l
 RT: 8.444 min Scan# 1109
 Delta R.T. -0.006 min
 Lab File: VD069448.D
 Acq: 15 Jun 2021 19:04

Instrument :
 MSVOA_D
 ClientSampleId :

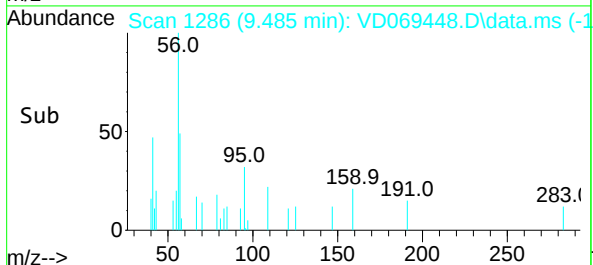
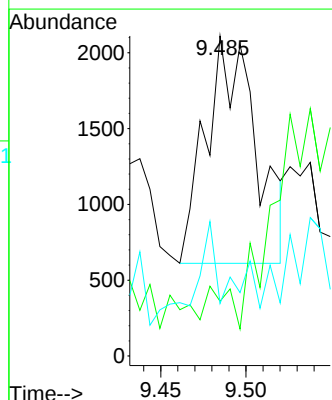
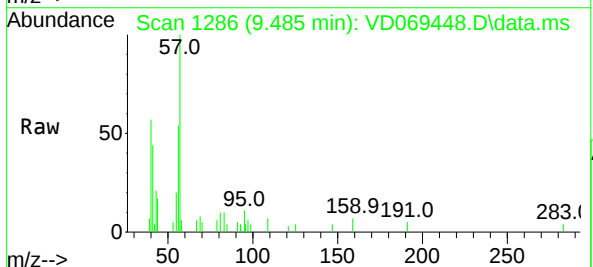
Tgt Ion: 43 Resp: 4786
 Ion Ratio Lower Upper
 43 100
 61 0.0 29.0 43.6#
 87 0.0 12.7 19.1#

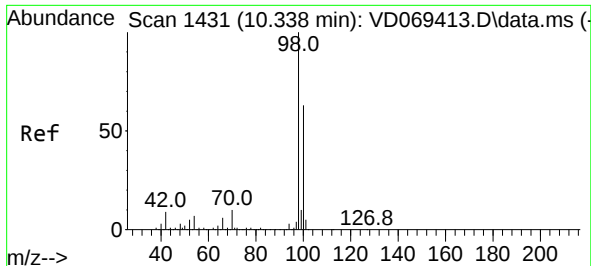


#48

Methyl methacrylate
 Concen: 1.628 ug/l
 RT: 9.485 min Scan# 1286
 Delta R.T. 0.030 min
 Lab File: VD069448.D
 Acq: 15 Jun 2021 19:04

Tgt Ion: 41 Resp: 3063
 Ion Ratio Lower Upper
 41 100
 69 0.0 77.6 116.4#
 39 33.5 45.3 67.9#

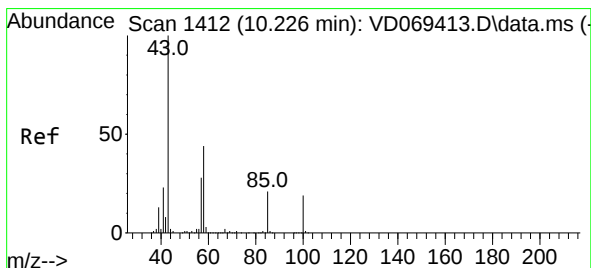
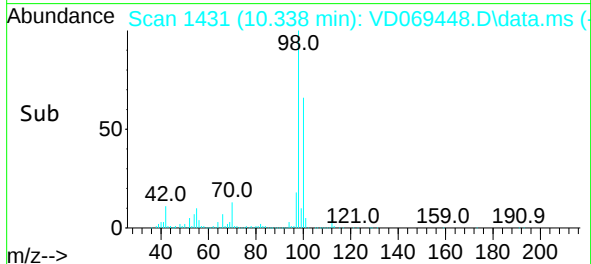
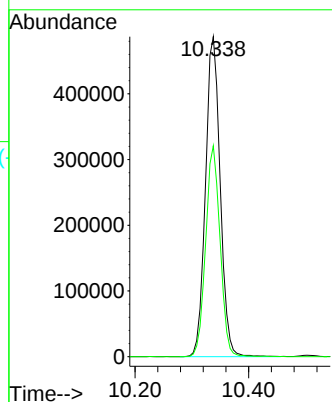
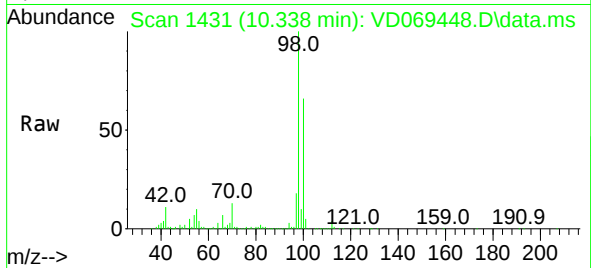




#50
Toluene-d8
Concen: 50.752 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069448.D
Acq: 15 Jun 2021 19:04

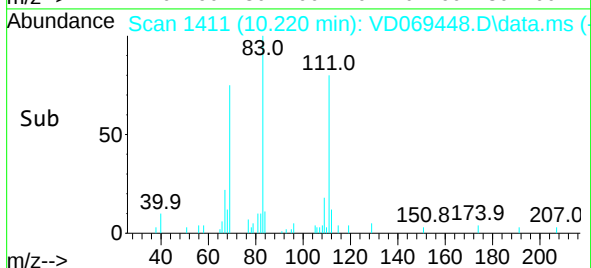
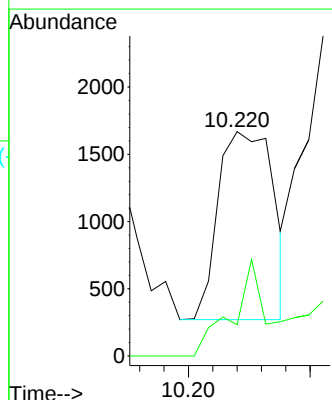
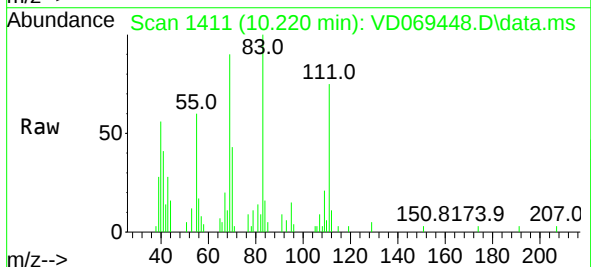
Instrument :
MSVOA_D
ClientSampled :

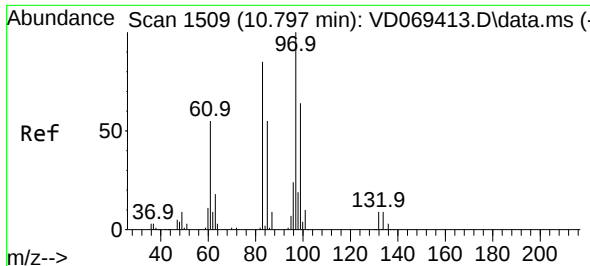
Tgt Ion: 98 Resp: 873056
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.043 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD069448.D
Acq: 15 Jun 2021 19:04

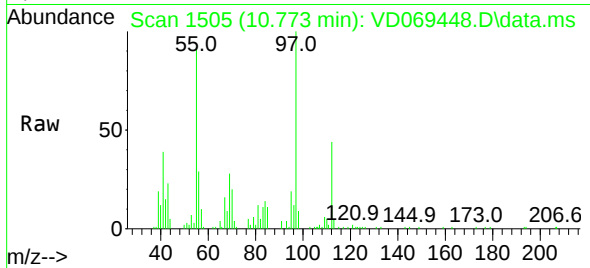
Tgt Ion: 43 Resp: 2202
Ion Ratio Lower Upper
43 100
58 31.2 35.1 52.7#



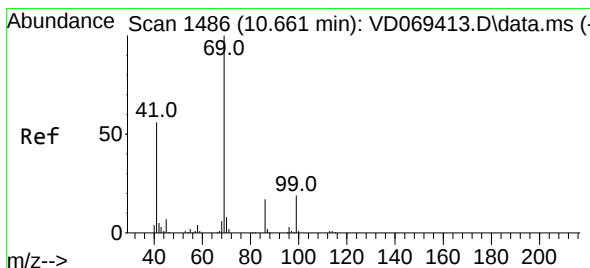
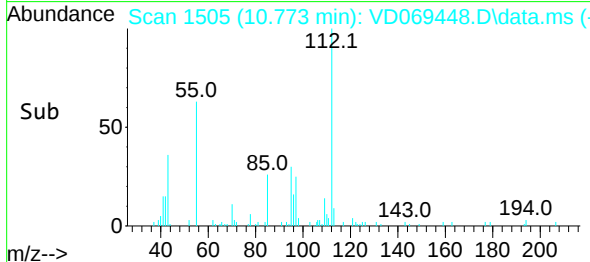
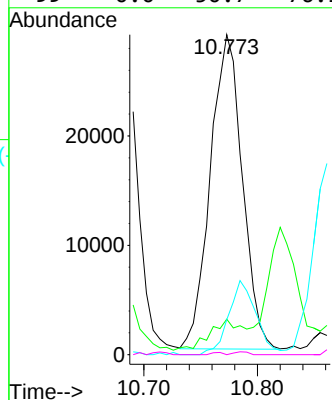


#55
1,1,2-Trichloroethane
Concen: 15.287 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.024 min
Lab File: VD069448.D
Acq: 15 Jun 2021 19:04

Instrument :
MSVOA_D
ClientSampleId :

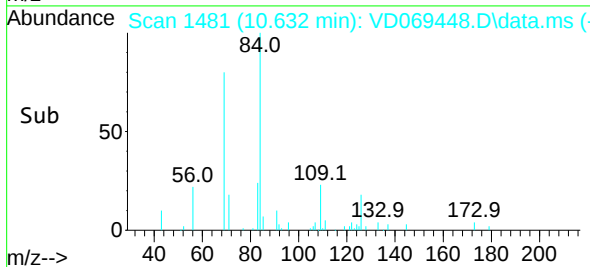
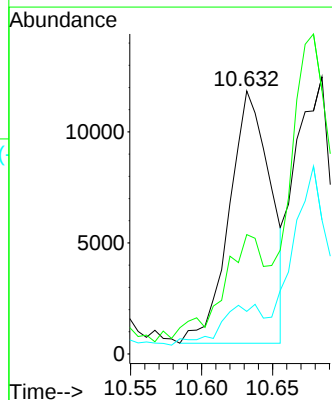
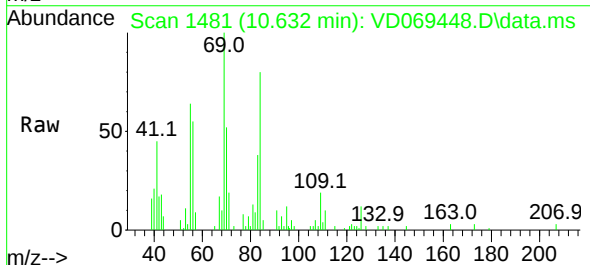


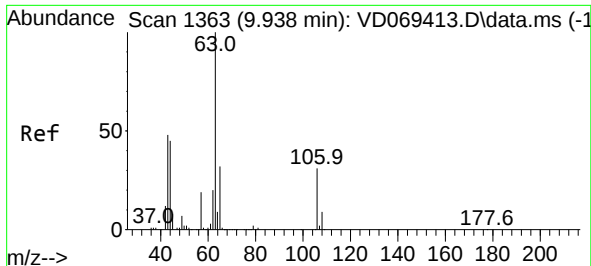
Tgt Ion:	97	Resp:	56247
Ion	Ratio	Lower	Upper
97	100		
83	9.1	69.4	104.0#
85	11.2	44.5	66.7#
99	0.0	50.7	76.1#



#56
Ethyl methacrylate
Concen: 7.984 ug/l
RT: 10.632 min Scan# 1481
Delta R.T. -0.029 min
Lab File: VD069448.D
Acq: 15 Jun 2021 19:04

Tgt Ion:	69	Resp:	22981
Ion	Ratio	Lower	Upper
69	100		
41	42.5	45.4	68.2#
39	15.9	21.7	32.5#

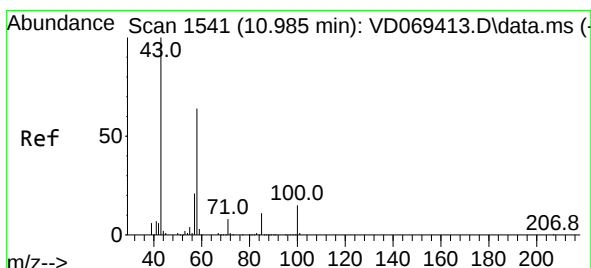
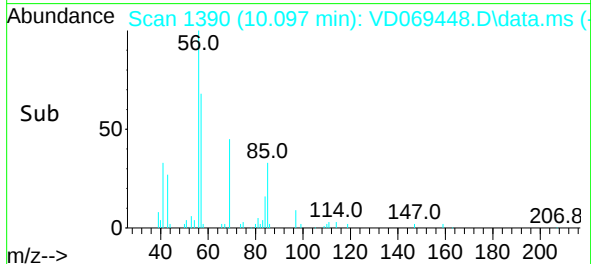
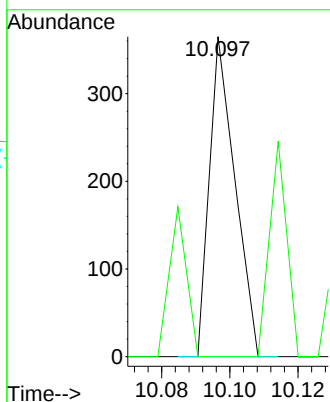
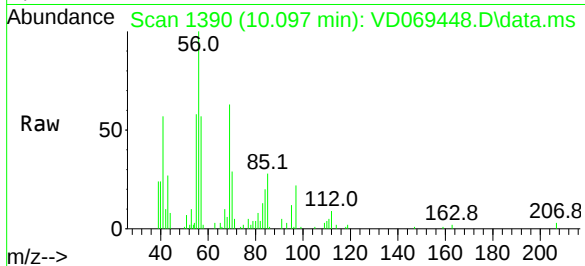




#58
2-Chloroethyl Vinyl ether
Concen: 12.026 ug/l
RT: 10.097 min Scan# 1390
Delta R.T. 0.159 min
Lab File: VD069448.D
Acq: 15 Jun 2021 19:04

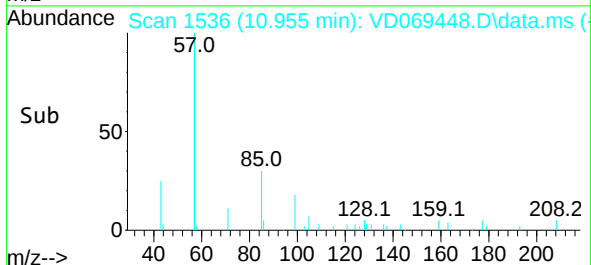
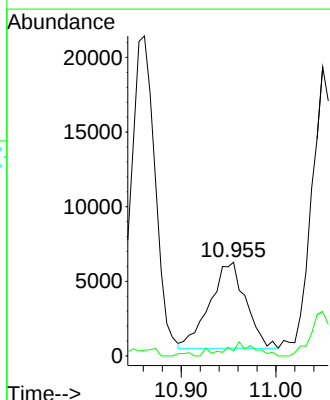
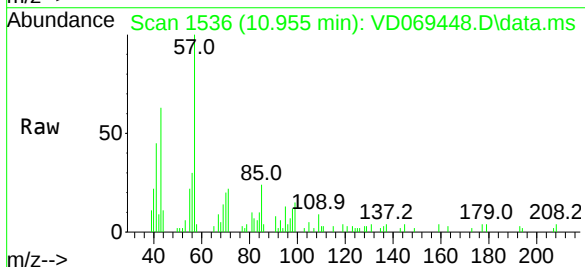
Instrument :
MSVOA_D
ClientSampled :

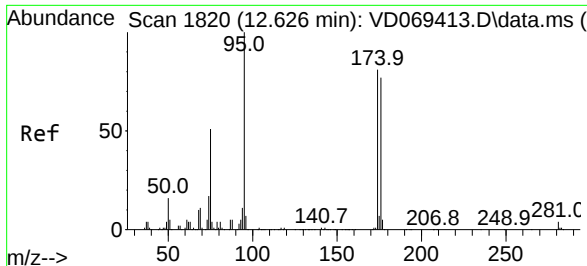
Tgt Ion: 63 Resp: 190
Ion Ratio Lower Upper
63 100
106 31.6 24.8 37.2



#59
2-Hexanone
Concen: 10.800 ug/l
RT: 10.955 min Scan# 1536
Delta R.T. -0.030 min
Lab File: VD069448.D
Acq: 15 Jun 2021 19:04

Tgt Ion: 43 Resp: 15215
Ion Ratio Lower Upper
43 100
58 9.9 30.8 92.3#

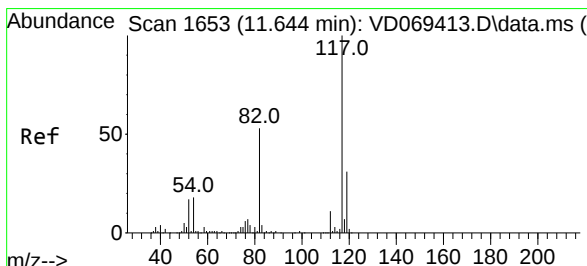
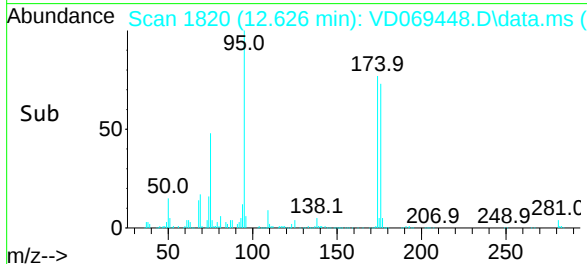
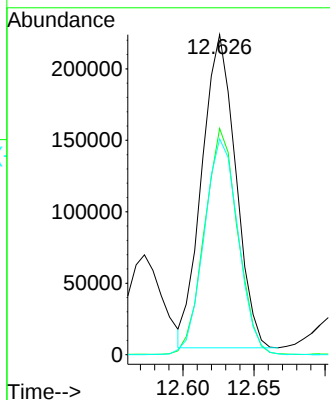
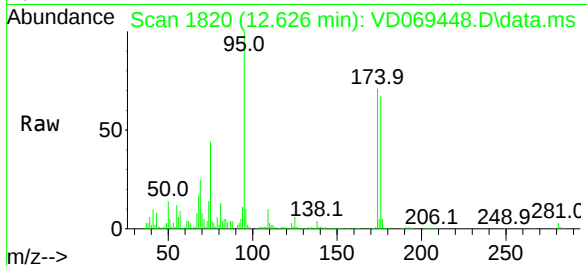




#62
4-Bromofluorobenzene
Concen: 65.631 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069448.D
Acq: 15 Jun 2021 19:04

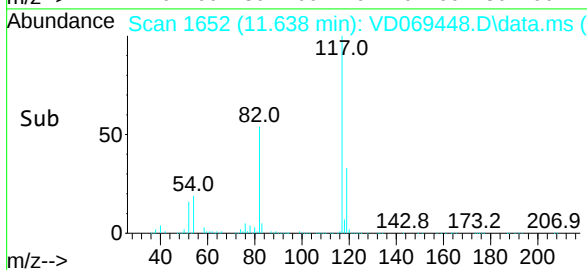
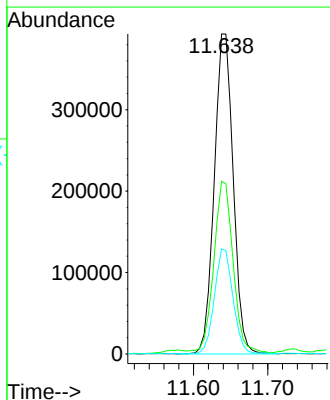
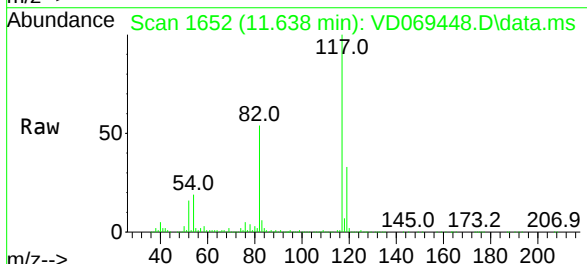
Instrument :
MSVOA_D
ClientSampleId :

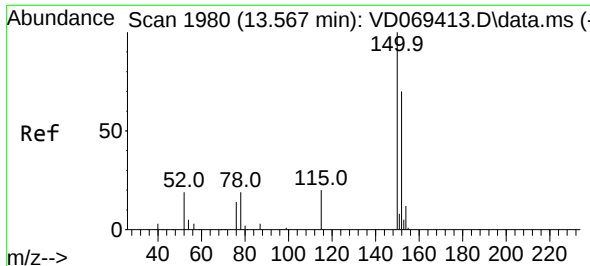
Tgt Ion: 95 Resp: 362254
Ion Ratio Lower Upper
95 100
174 70.9 0.0 162.8
176 69.7 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.006 min
Lab File: VD069448.D
Acq: 15 Jun 2021 19:04

Tgt Ion: 117 Resp: 698105
Ion Ratio Lower Upper
117 100
82 53.2 43.3 64.9
119 32.7 25.3 37.9

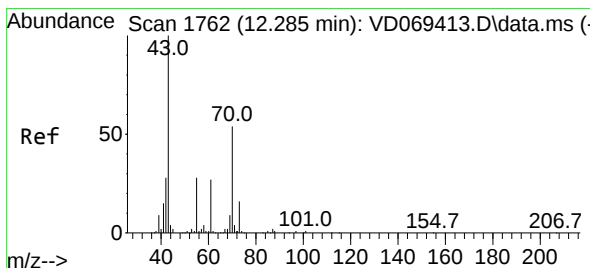
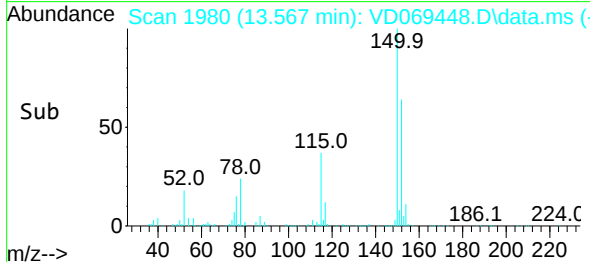
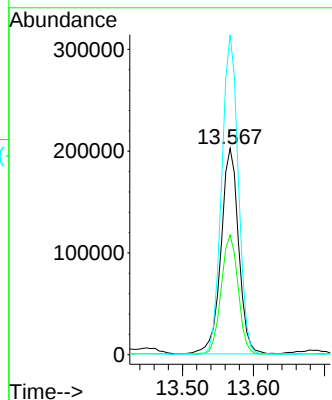
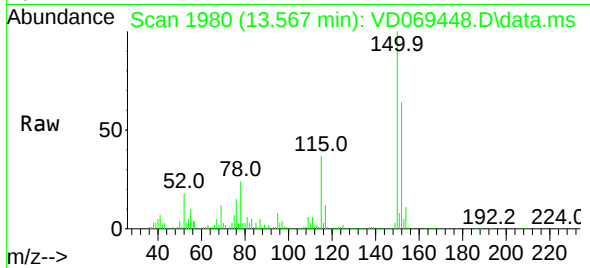




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069448.D
Acq: 15 Jun 2021 19:04

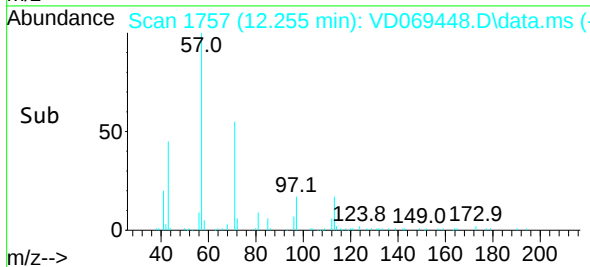
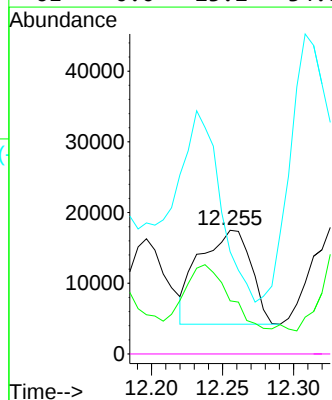
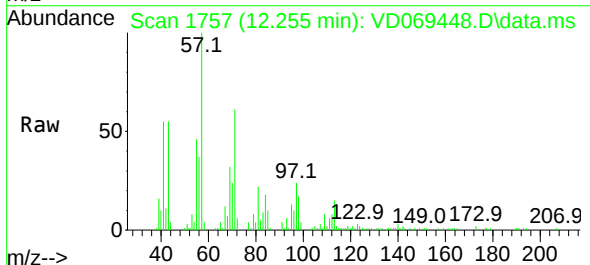
Instrument :
MSVOA_D
ClientSampleId :

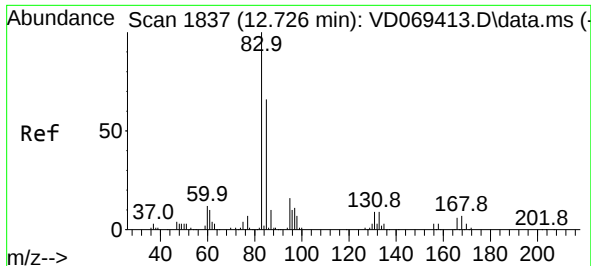
Tgt Ion:152 Resp: 347543
Ion Ratio Lower Upper
152 100
115 55.6 29.4 88.3
150 145.8 0.0 355.0



#74
N-ethyl acetate
Concen: 7.648 ug/l
RT: 12.255 min Scan# 1757
Delta R.T. -0.030 min
Lab File: VD069448.D
Acq: 15 Jun 2021 19:04

Tgt Ion: 43 Resp: 33522
Ion Ratio Lower Upper
43 100
70 0.0 40.9 61.3#
55 0.0 23.4 35.0#
61 0.0 23.2 34.8#

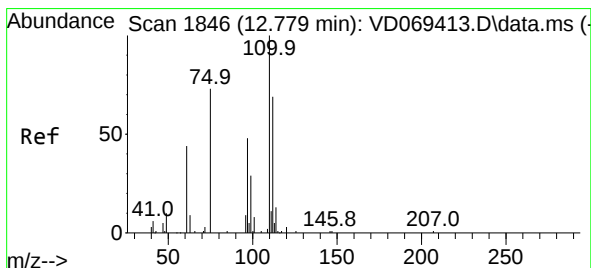
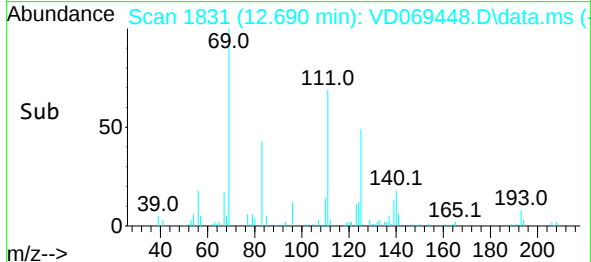
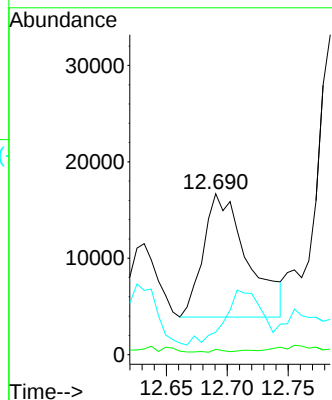
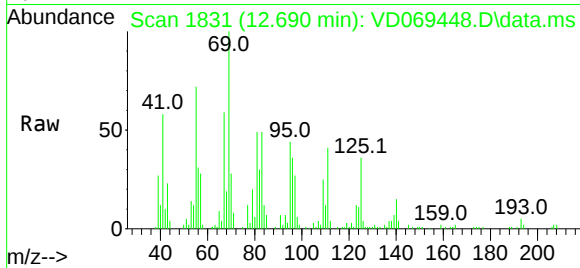




#75
1,1,2,2-Tetrachloroethane
Concen: 6.891 ug/l
RT: 12.690 min Scan# 1831
Delta R.T. -0.036 min
Lab File: VD069448.D
Acq: 15 Jun 2021 19:04

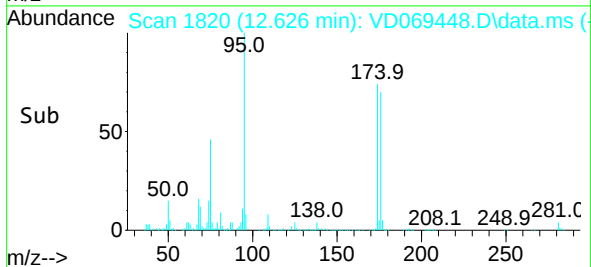
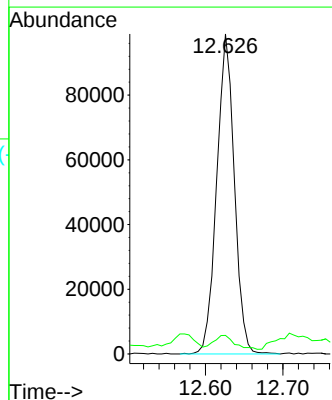
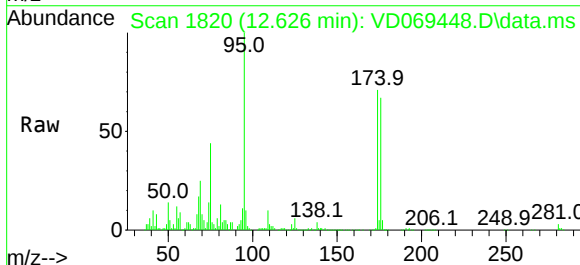
Instrument :
MSVOA_D
ClientSampled :

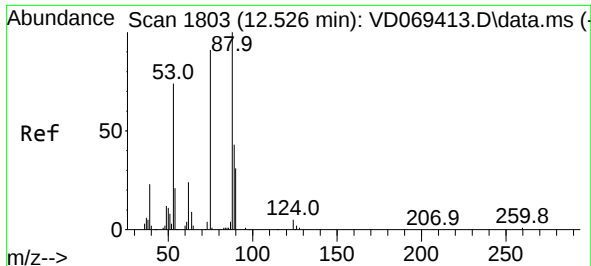
Tgt Ion: 83 Resp: 32329
Ion Ratio Lower Upper
83 100
131 0.4 5.3 16.1#
85 37.3 32.6 98.0



#76
1,2,3-Trichloropropane
Concen: 44.403 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069448.D
Acq: 15 Jun 2021 19:04

Tgt Ion: 75 Resp: 156454
Ion Ratio Lower Upper
75 100
77 5.0 183.8 551.2#

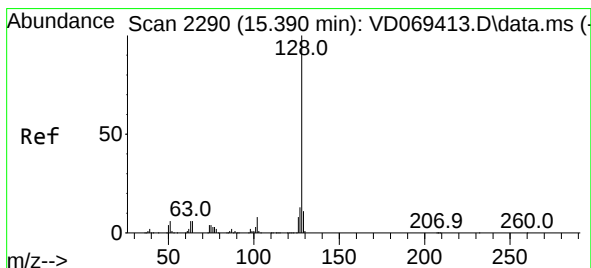
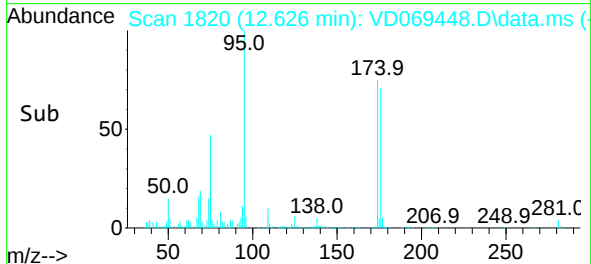
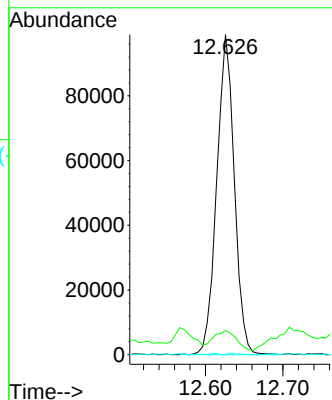
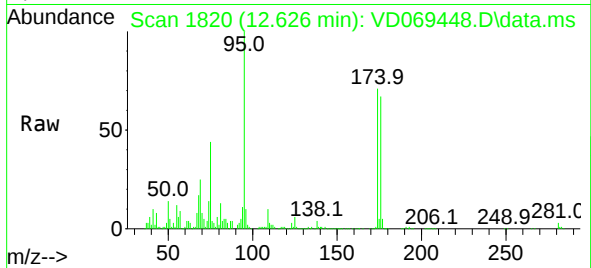




#81
trans-1,4-Dichloro-2-butene
Concen: 118.456 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069448.D
Acq: 15 Jun 2021 19:04

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 156454
Ion Ratio Lower Upper
75 100
53 8.2 62.6 94.0#
89 0.2 35.6 53.4#



#95
Naphthalene
Concen: 3.813 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.006 min
Lab File: VD069448.D
Acq: 15 Jun 2021 19:04

Tgt Ion: 128 Resp: 3139
Ion Ratio Lower Upper
128 100
127 25.0 10.4 15.6#
129 16.2 8.8 13.2#

