

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080321\
 Data File : VD069967.D
 Acq On : 03 Aug 2021 15:42
 Operator : VA/SY
 Sample : M3268-08
 Misc : 5.96G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 04 01:32:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

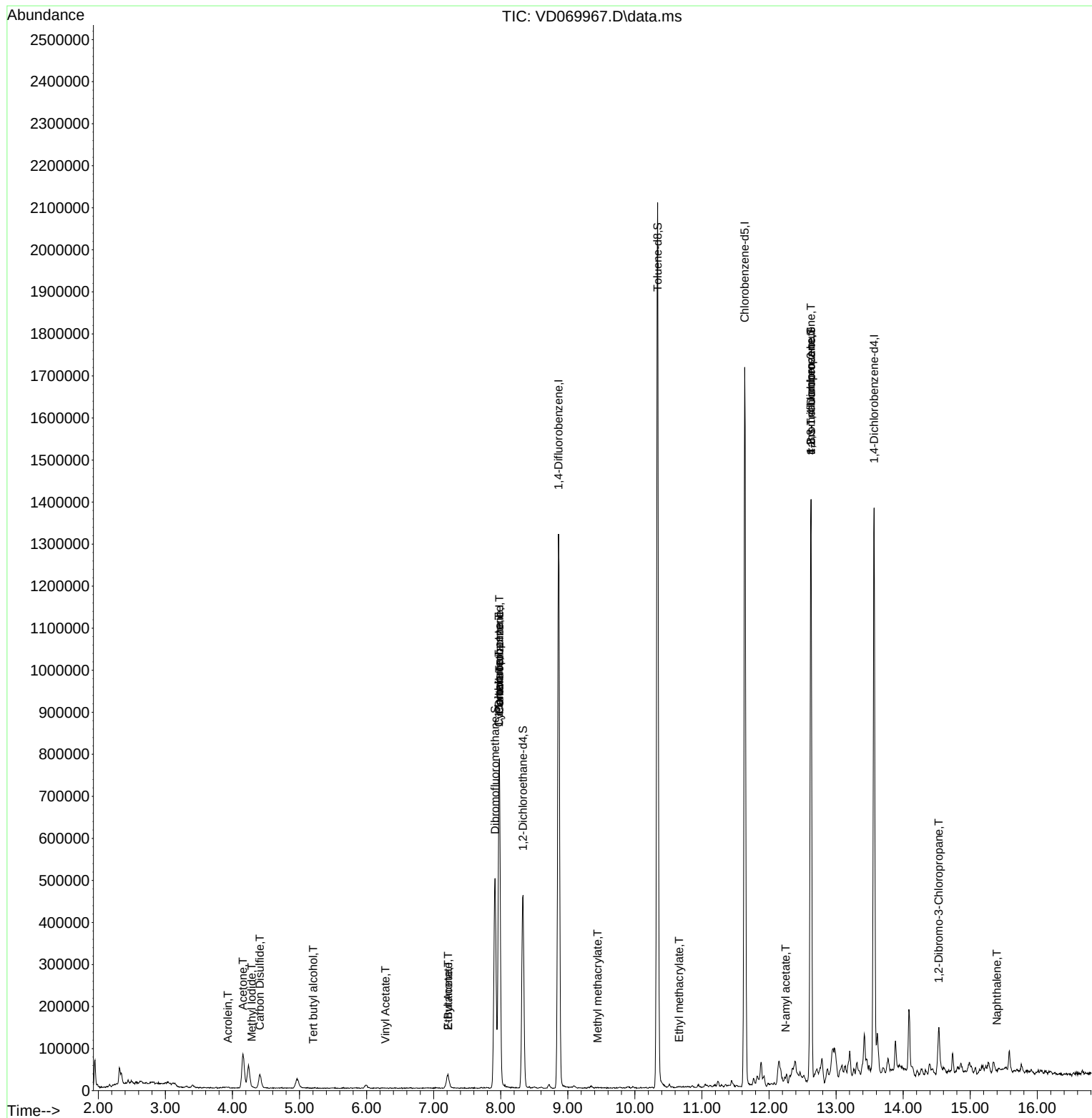
Internal Standards						
1) Pentafluorobenzene	7.979	168	556451	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1126640	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	991028	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	355625	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	363452	56.792	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.580%	
35) Dibromofluoromethane	7.914	113	370627	52.184	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.360%	
50) Toluene-d8	10.338	98	1424840	52.028	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.060%	
62) 4-Bromofluorobenzene	12.626	95	434466	47.469	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 94.940%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	2207	Below Cal		87
10) Methyl Iodide	4.285	142	389	3.515 ug/l	#	74
11) Tert butyl alcohol	5.203	59	391	1.181 ug/l	#	73
13) Acrolein	3.932	56	1410	3.042 ug/l	#	14
16) Acetone	4.156	43	140602	121.620 ug/l		97
17) Carbon Disulfide	4.409	76	68386	3.004 ug/l		96
20) Methylene Chloride	4.956	84	18069	Below Cal		94
23) Vinyl Acetate	6.279	43	63	20.354 ug/l	#	71
25) 2-Butanone	7.214	43	46123	29.419 ug/l		96
31) Cyclohexane	7.973	56	13424	1.074 ug/l	#	1
36) 1,1-Dichloropropene	7.973	75	49554	4.076 ug/l	#	49
37) Ethyl Acetate	7.214	43	46123	10.420 ug/l	#	67
38) Carbon Tetrachloride	7.979	117	60129	5.414 ug/l	#	17
48) Methyl methacrylate	9.444	41	215	2.795 ug/l	#	29
56) Ethyl methacrylate	10.661	69	694	3.976 ug/l	#	75
74) N-amyl acetate	12.249	43	5707	1.086 ug/l	#	65
76) 1,2,3-Trichloropropane	12.626	75	211027	55.827 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.626	75	211027	169.364 ug/l	#	17
92) 1,2-Dibromo-3-Chloropr...	14.532	75	33756	45.939 ug/l	#	7
95) Naphthalene	15.396	128	5436	5.419 ug/l	#	92

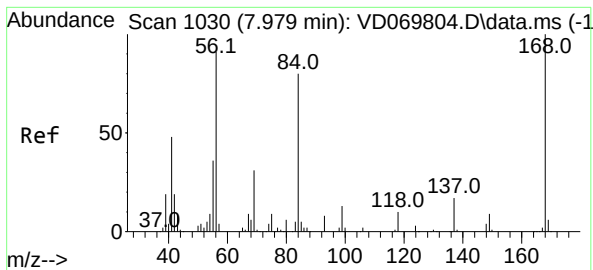
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 23 04:51:13 2021
Response via : Initial Calibration

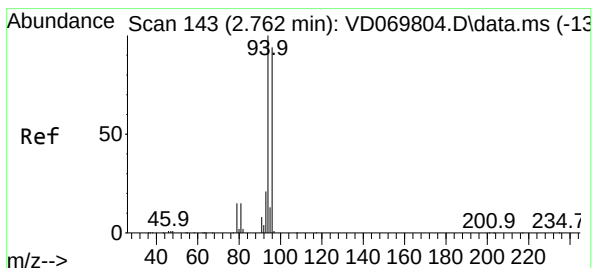
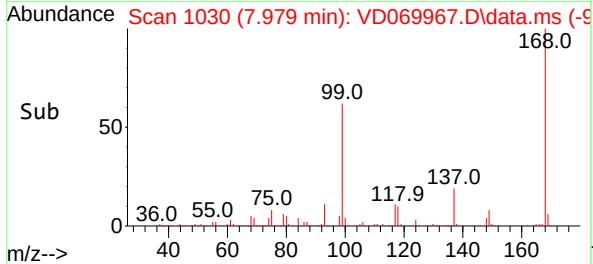
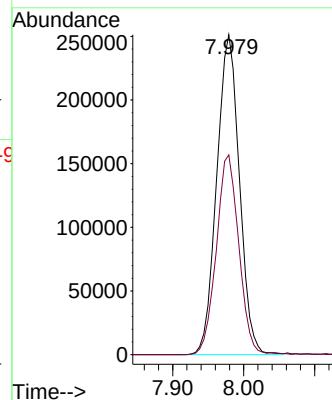
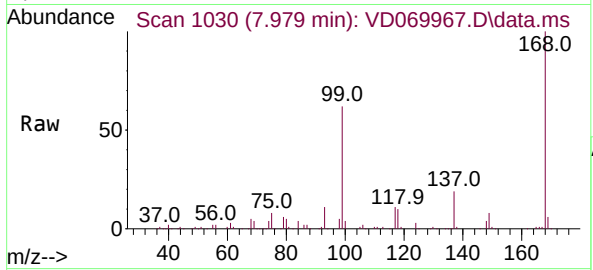




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069967.D
Acq: 03 Aug 2021 15:42

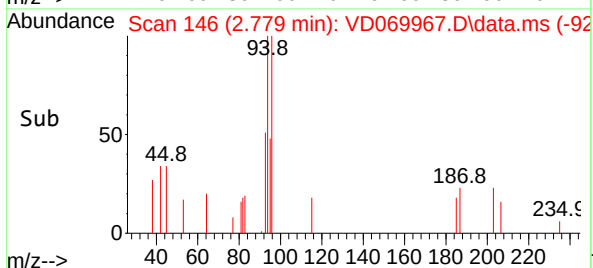
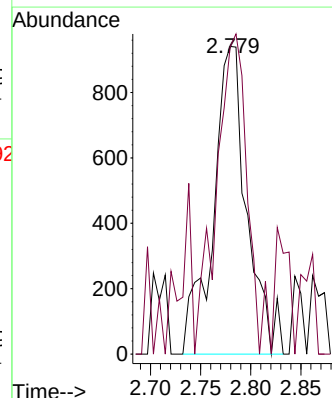
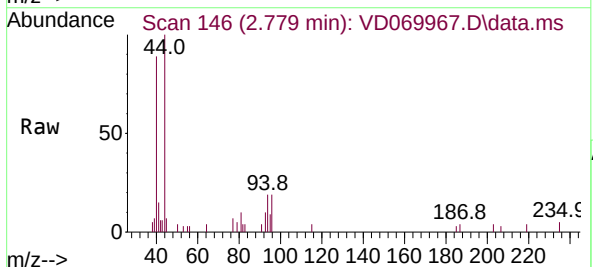
Instrument :
MSVOA_D
ClientSampleId :

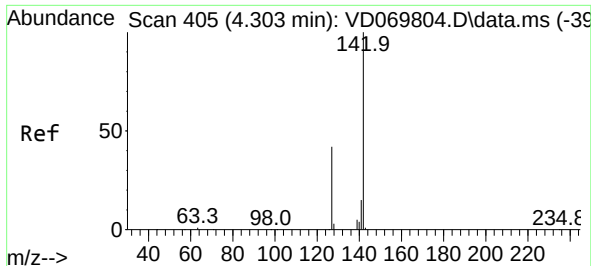
Tgt Ion:168 Resp: 556451
Ion Ratio Lower Upper
168 100
99 62.5 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD069967.D
Acq: 03 Aug 2021 15:42

Tgt Ion: 94 Resp: 2207
Ion Ratio Lower Upper
94 100
96 81.3 74.8 112.2

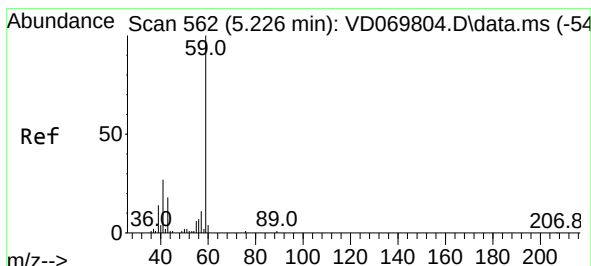
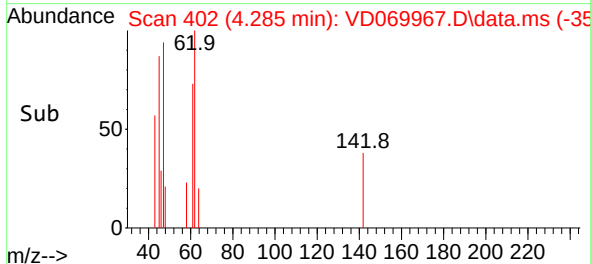
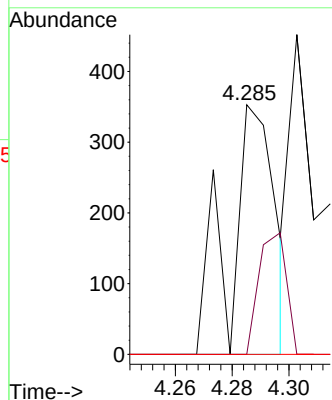
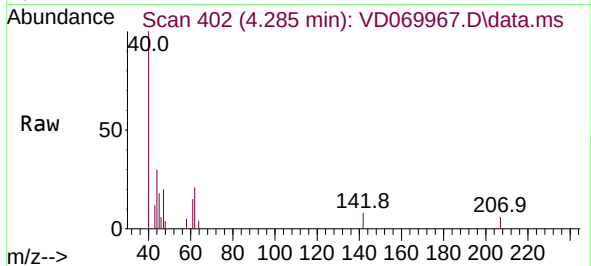




#10
Methyl Iodide
Concen: 3.515 ug/l
RT: 4.285 min Scan# 402
Delta R.T. -0.018 min
Lab File: VD069967.D
Acq: 03 Aug 2021 15:42

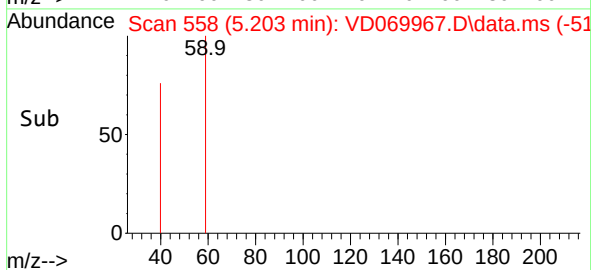
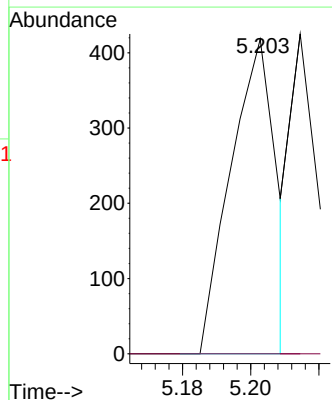
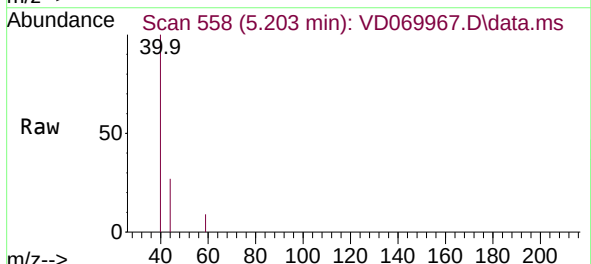
Instrument :
MSVOA_D
ClientSampled :

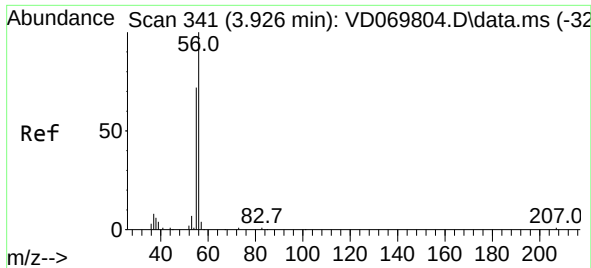
Tgt Ion:142 Resp: 389
Ion Ratio Lower Upper
142 100
127 29.6 35.7 53.5#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 1.181 ug/l
RT: 5.203 min Scan# 558
Delta R.T. -0.024 min
Lab File: VD069967.D
Acq: 03 Aug 2021 15:42

Tgt Ion: 59 Resp: 391
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

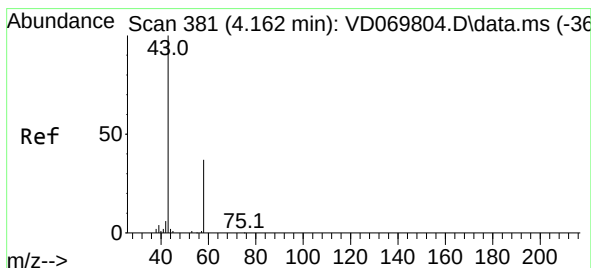
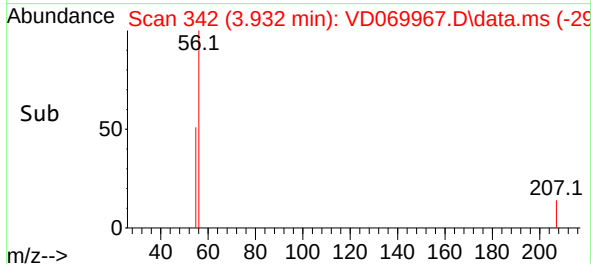
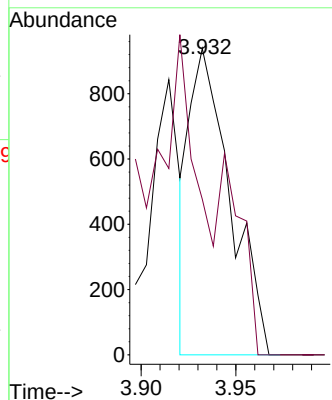
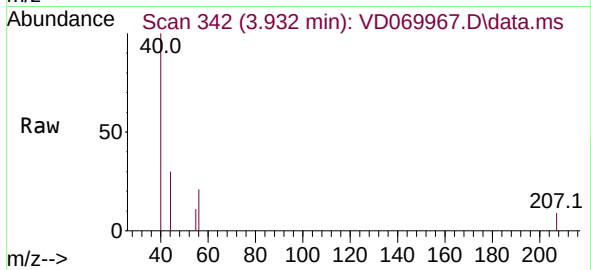




#13
Acrolein
Concen: 3.042 ug/l
RT: 3.932 min Scan# 342
Delta R.T. 0.006 min
Lab File: VD069967.D
Acq: 03 Aug 2021 15:42

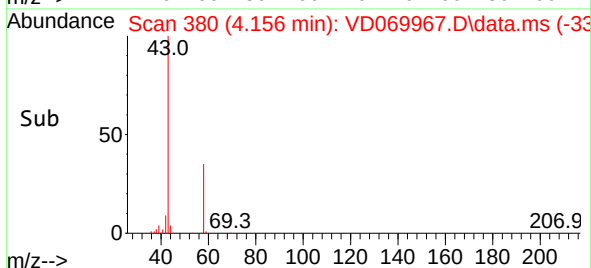
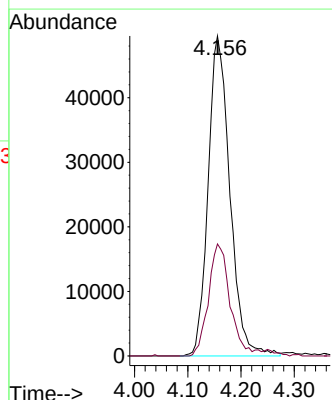
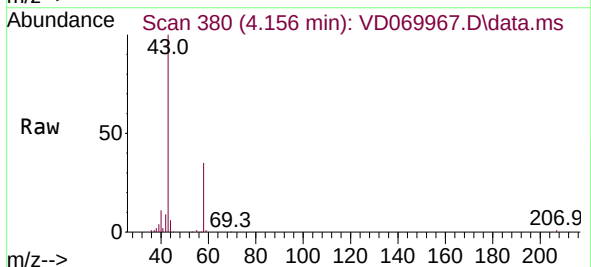
Instrument :
MSVOA_D
ClientSampled :

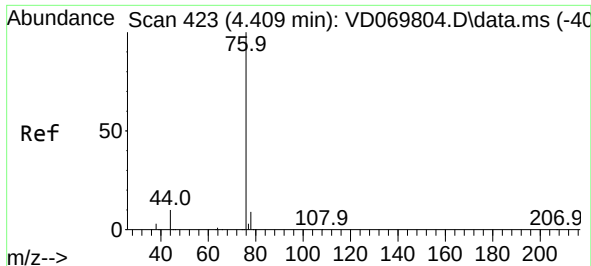
Tgt Ion: 56 Resp: 1410
Ion Ratio Lower Upper
56 100
55 0.0 57.2 85.8#



#16
Acetone
Concen: 121.620 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069967.D
Acq: 03 Aug 2021 15:42

Tgt Ion: 43 Resp: 140602
Ion Ratio Lower Upper
43 100
58 35.0 29.4 44.0

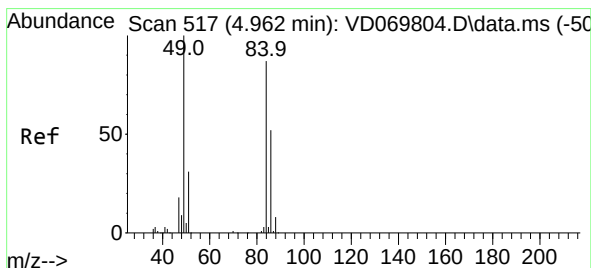
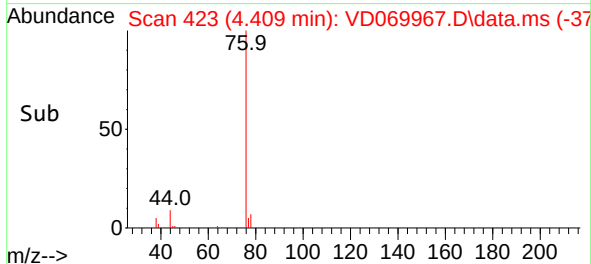
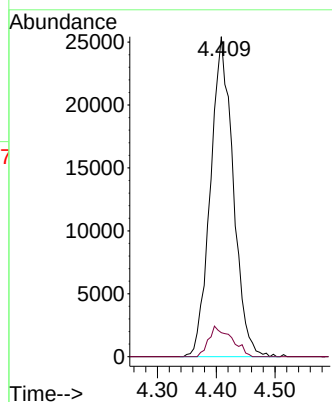
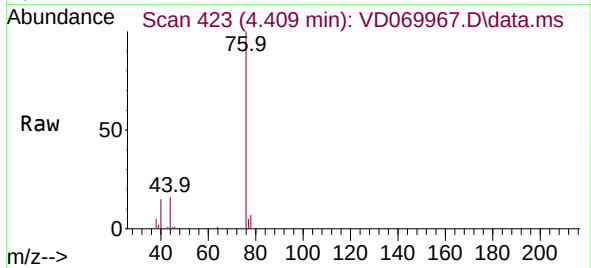




#17
Carbon Disulfide
Concen: 3.004 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069967.D
Acq: 03 Aug 2021 15:42

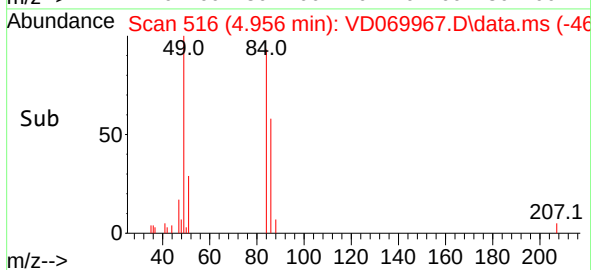
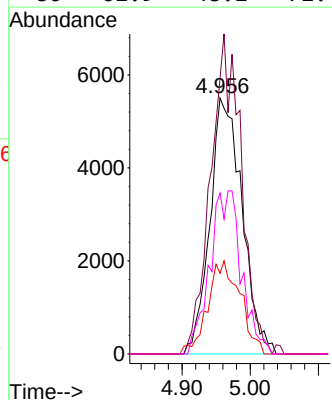
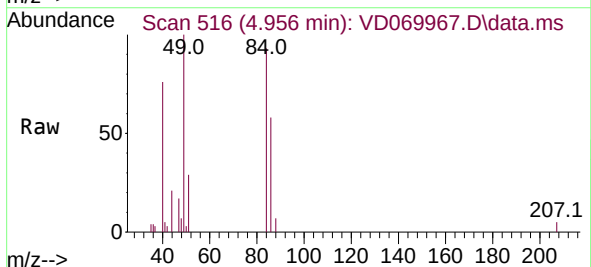
Instrument :
MSVOA_D
ClientSampled :

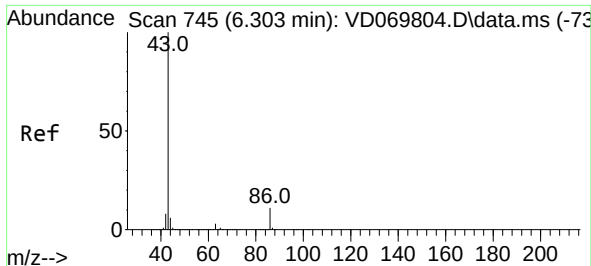
Tgt Ion: 76 Resp: 68386
Ion Ratio Lower Upper
76 100
78 7.5 7.3 10.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD069967.D
Acq: 03 Aug 2021 15:42

Tgt Ion: 84 Resp: 18069
Ion Ratio Lower Upper
84 100
49 107.7 92.4 138.6
51 31.5 28.5 42.7
86 62.9 48.2 72.4

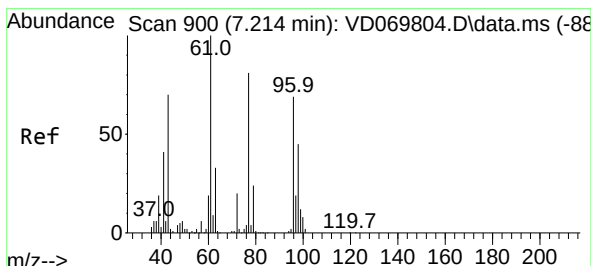
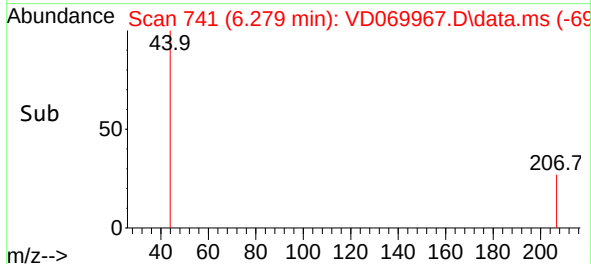
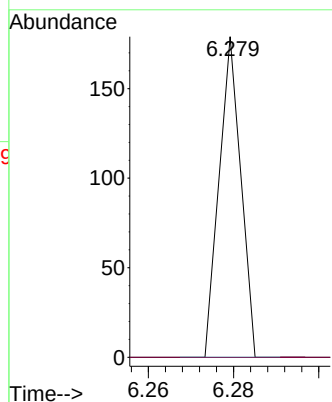
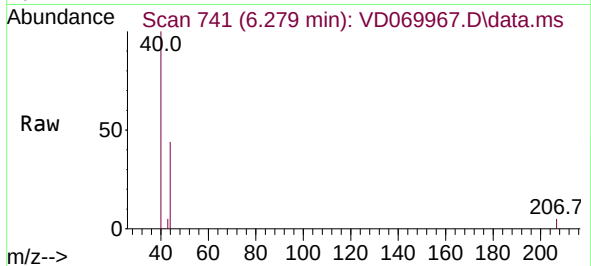




#23
 Vinyl Acetate
 Concen: 20.354 ug/l
 RT: 6.279 min Scan# 741
 Delta R.T. -0.024 min
 Lab File: VD069967.D
 Acq: 03 Aug 2021 15:42

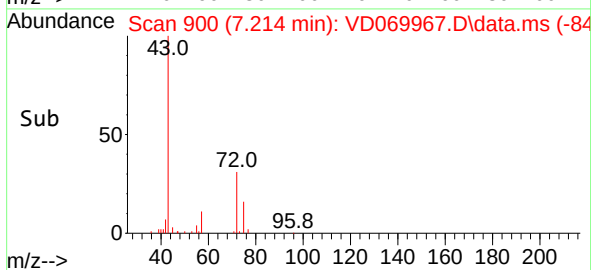
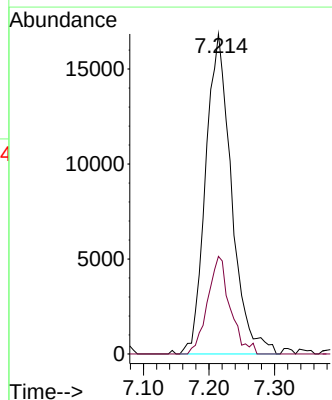
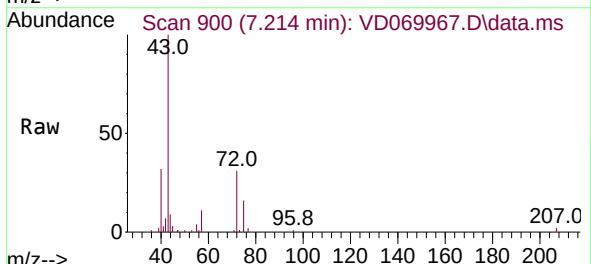
Instrument :
 MSVOA_D
 ClientSampled :

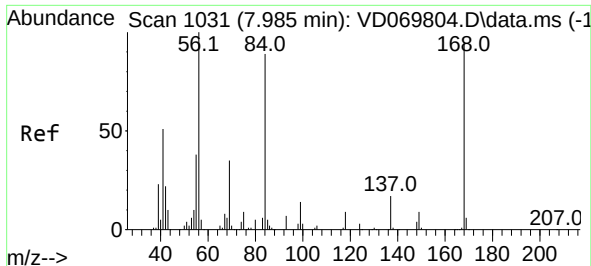
Tgt Ion: 43 Resp: 63
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#25
 2-Butanone
 Concen: 29.419 ug/l
 RT: 7.214 min Scan# 900
 Delta R.T. -0.000 min
 Lab File: VD069967.D
 Acq: 03 Aug 2021 15:42

Tgt Ion: 43 Resp: 46123
 Ion Ratio Lower Upper
 43 100
 72 30.5 22.8 34.2

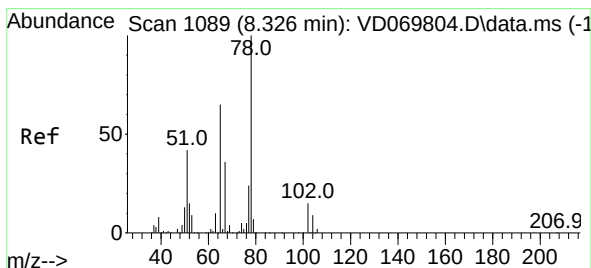
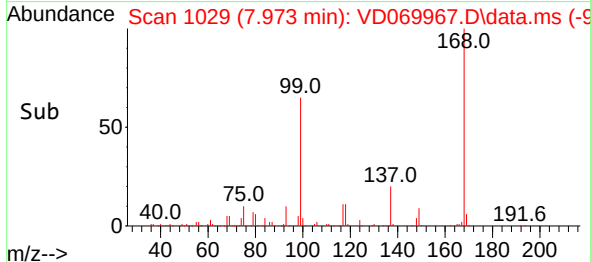
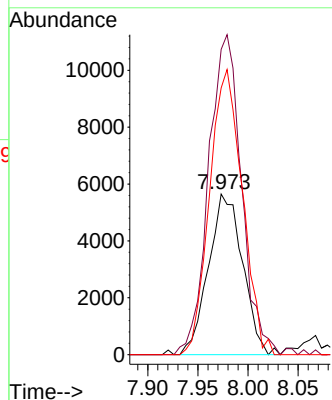
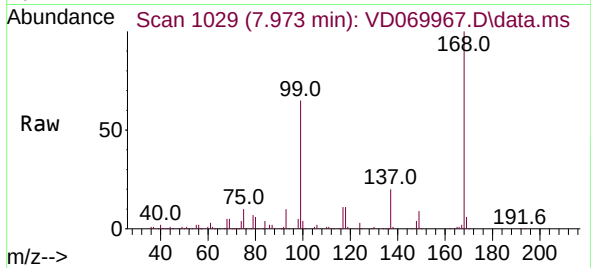




#31
Cyclohexane
Concen: 1.074 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069967.D
Acq: 03 Aug 2021 15:42

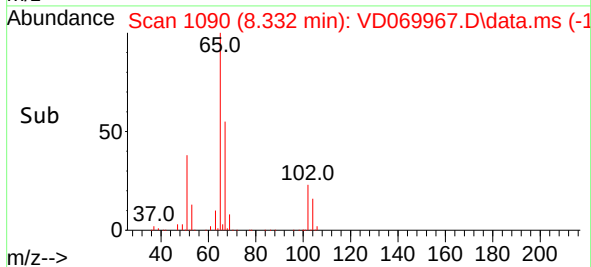
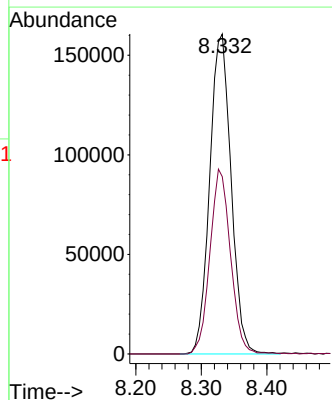
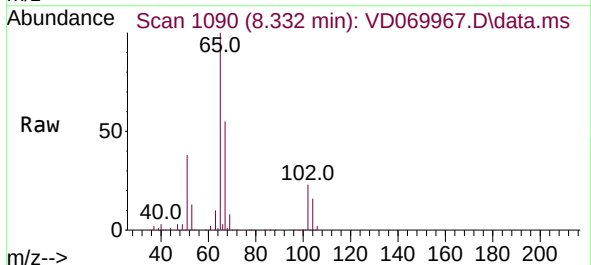
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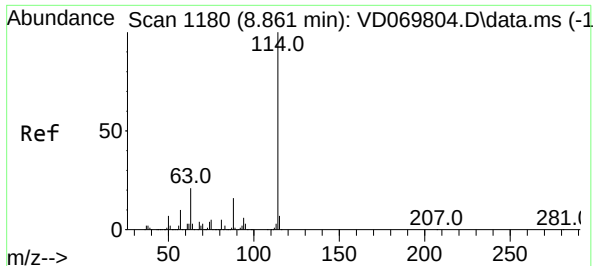
Tgt Ion: 56 Resp: 13424
Ion Ratio Lower Upper
56 100
69 190.0 27.9 41.9#
84 166.0 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 56.792 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069967.D
Acq: 03 Aug 2021 15:42

Tgt Ion: 65 Resp: 363452
Ion Ratio Lower Upper
65 100
67 55.6 0.0 111.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD069967.D

Acq: 03 Aug 2021 15:42

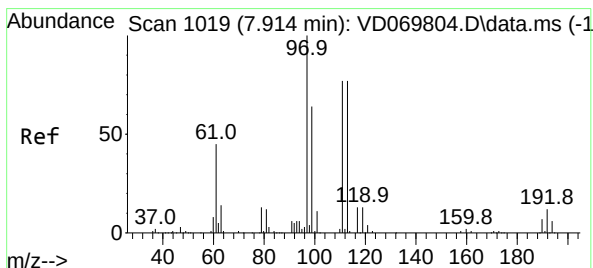
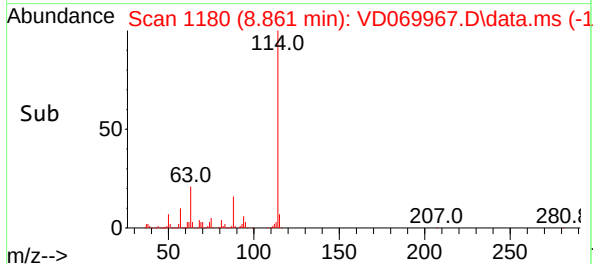
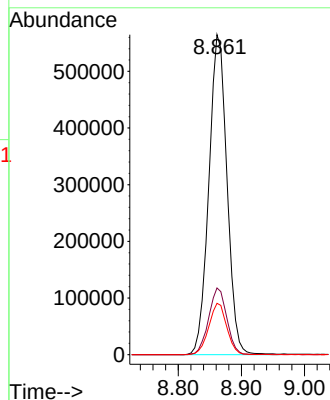
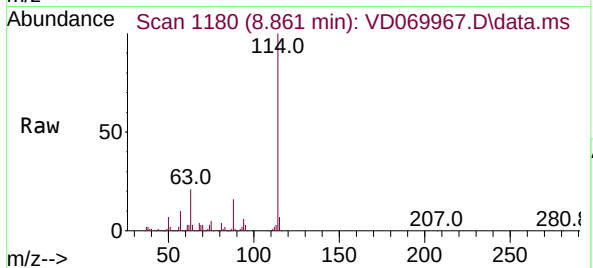
Tgt Ion:114 Resp: 1126640

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.6

88 16.1 0.0 31.4



#35

Dibromofluoromethane

Concen: 52.184 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069967.D

Acq: 03 Aug 2021 15:42

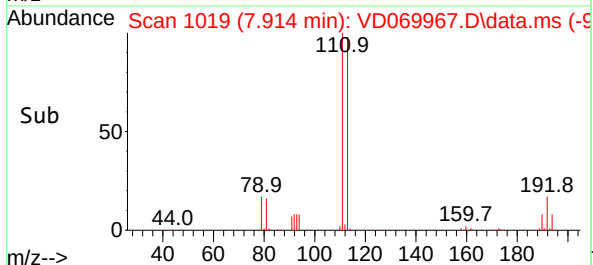
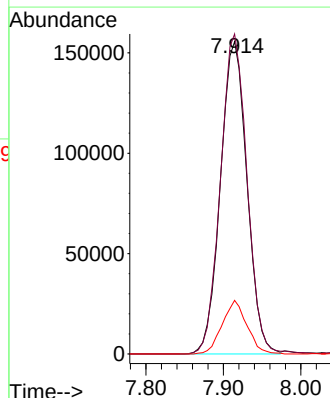
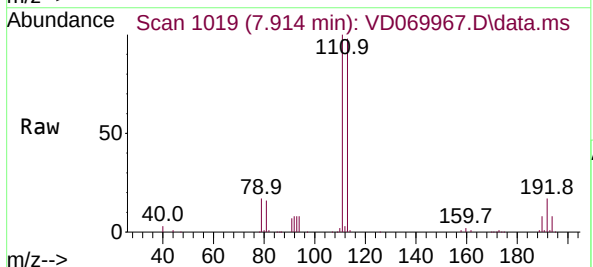
Tgt Ion:113 Resp: 370627

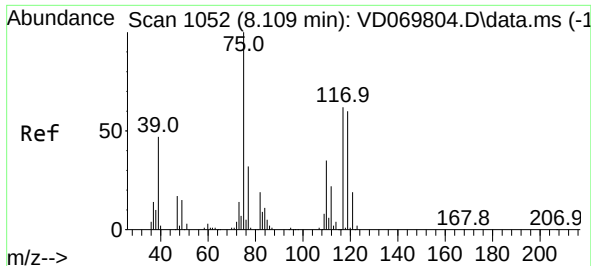
Ion Ratio Lower Upper

113 100

111 102.8 80.5 120.7

192 16.0 12.6 19.0

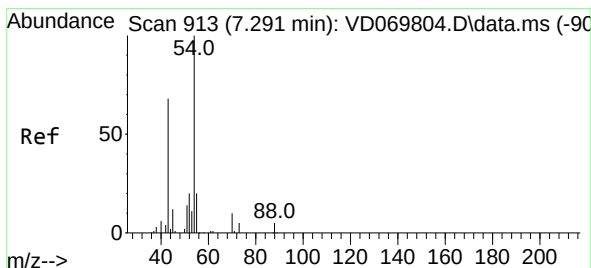
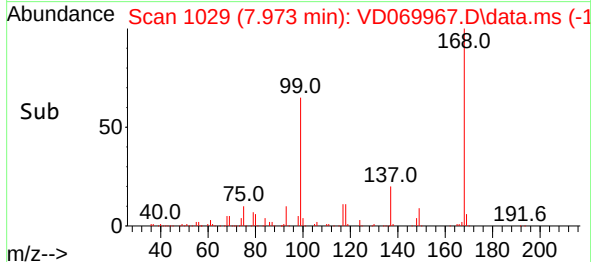
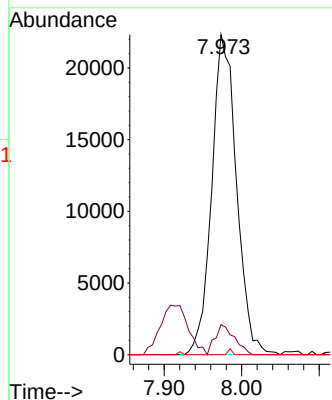
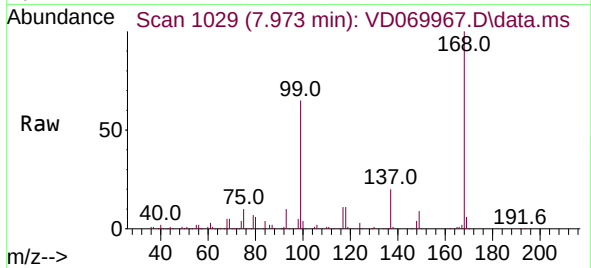




#36
1,1-Dichloropropene
Concen: 4.076 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD069967.D
Acq: 03 Aug 2021 15:42

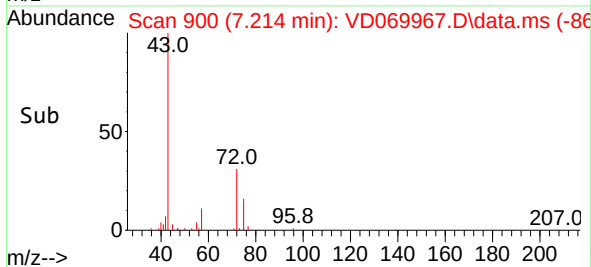
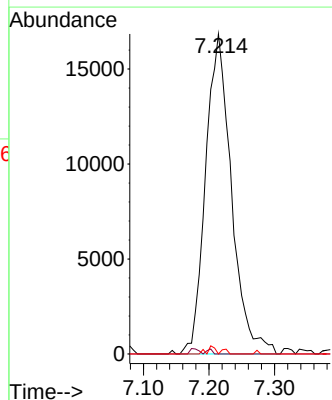
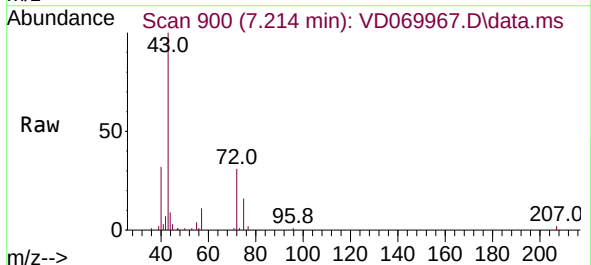
Instrument :
MSVOA_D
ClientSampleId :

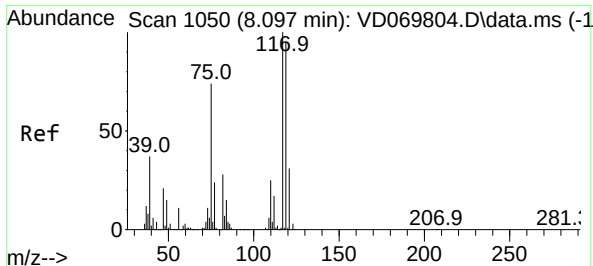
Tgt Ion: 75 Resp: 49554
Ion Ratio Lower Upper
75 100
110 7.3 16.9 50.7#
77 0.3 24.9 37.3#



#37
Ethyl Acetate
Concen: 10.420 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.077 min
Lab File: VD069967.D
Acq: 03 Aug 2021 15:42

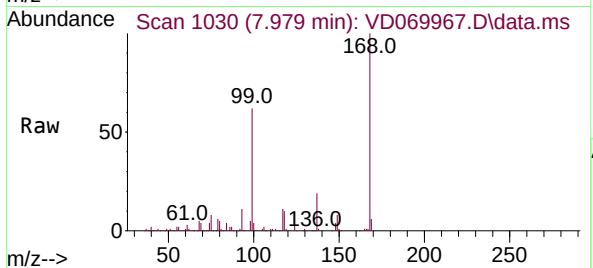
Tgt Ion: 43 Resp: 46123
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.8#
70 0.4 8.9 13.3#



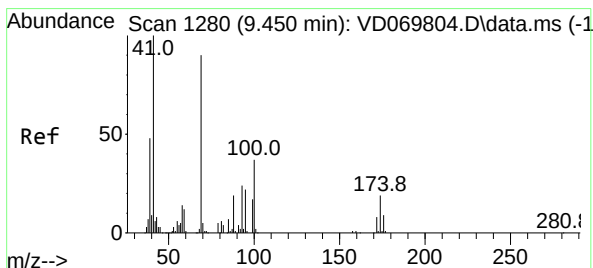
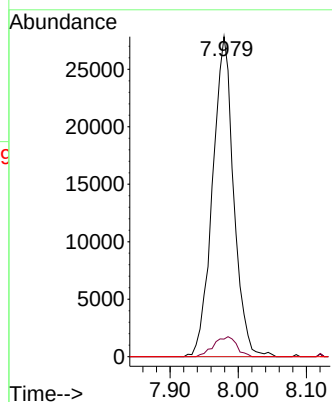
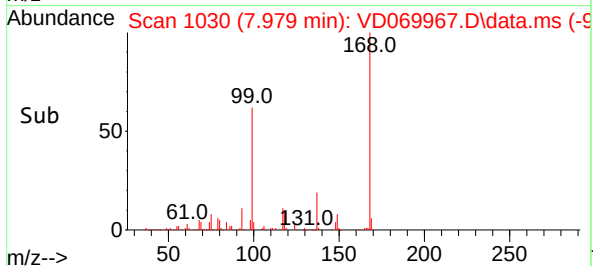


#38
Carbon Tetrachloride
Concen: 5.414 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069967.D
Acq: 03 Aug 2021 15:42

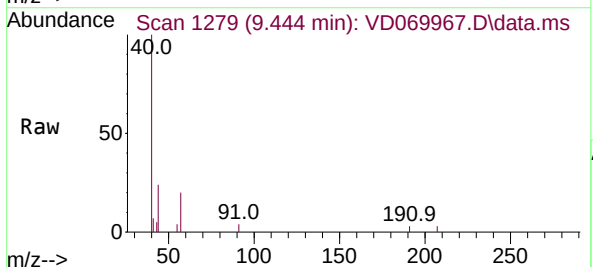
Instrument :
MSVOA_D
ClientSampled :



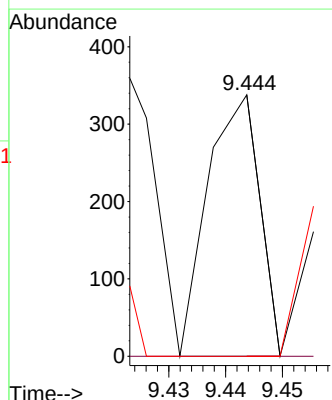
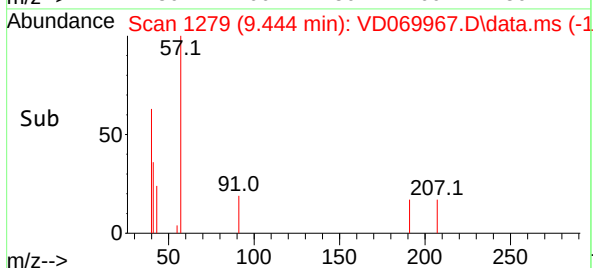
Tgt Ion: 117 Resp: 60129
Ion Ratio Lower Upper
117 100
119 5.5 76.2 114.2#
121 0.0 24.5 36.7#

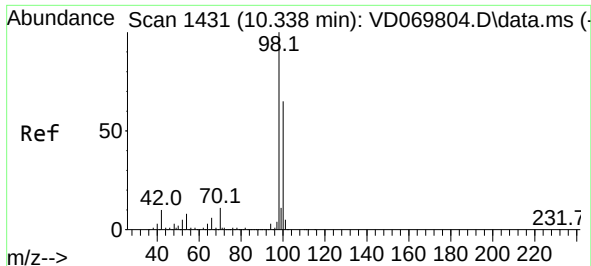


#48
Methyl methacrylate
Concen: 2.795 ug/l
RT: 9.444 min Scan# 1279
Delta R.T. -0.006 min
Lab File: VD069967.D
Acq: 03 Aug 2021 15:42



Tgt Ion: 41 Resp: 215
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 31.6 36.6 55.0#

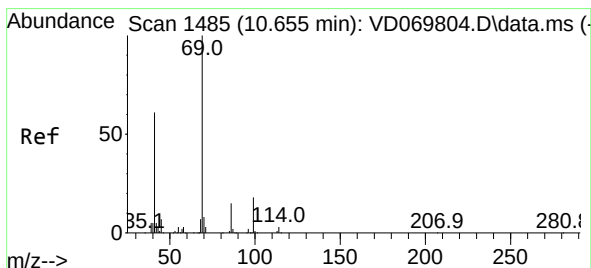
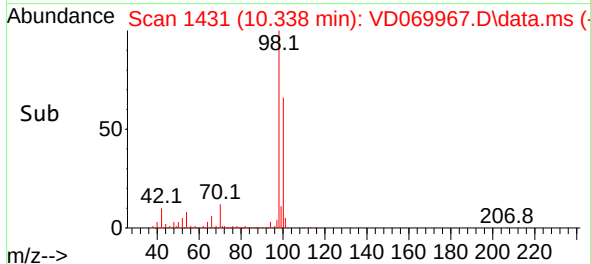
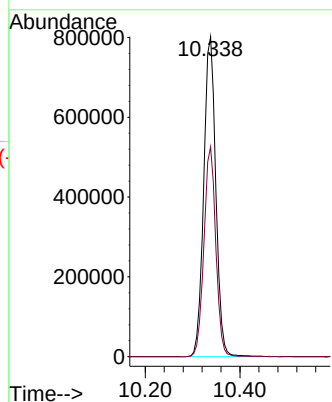
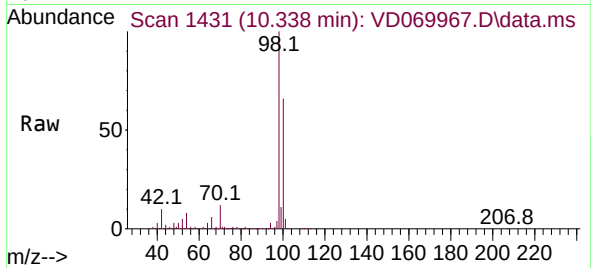




#50
Toluene-d8
Concen: 52.028 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069967.D
Acq: 03 Aug 2021 15:42

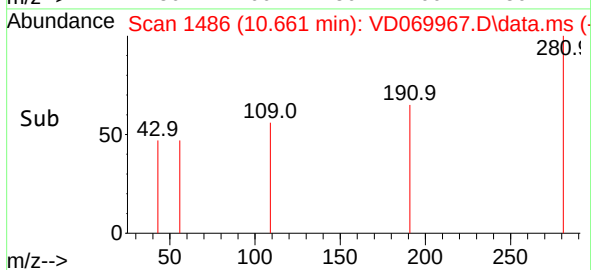
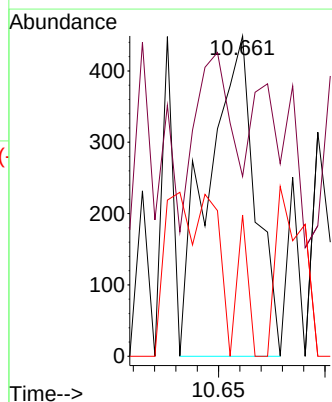
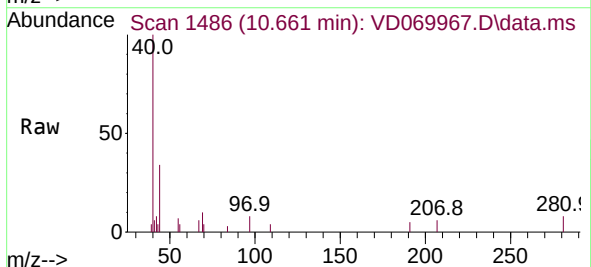
Instrument :
MSVOA_D
ClientSampleId :

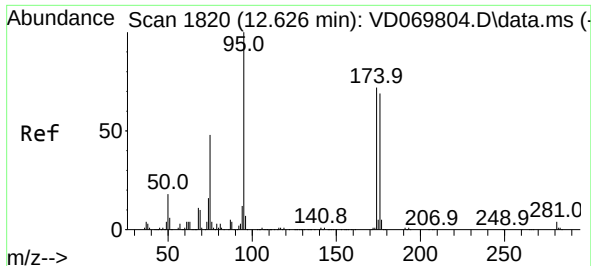
Tgt Ion: 98 Resp: 1424840
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



#56
Ethyl methacrylate
Concen: 3.976 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD069967.D
Acq: 03 Aug 2021 15:42

Tgt Ion: 69 Resp: 694
Ion Ratio Lower Upper
69 100
41 36.0 50.2 75.2#
39 29.8 22.0 33.0

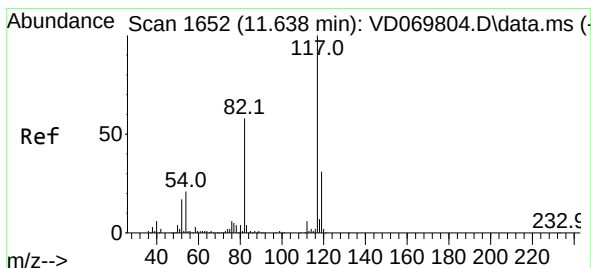
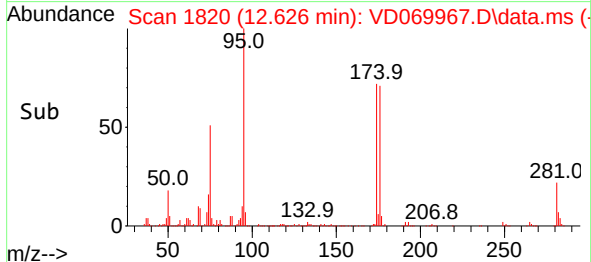
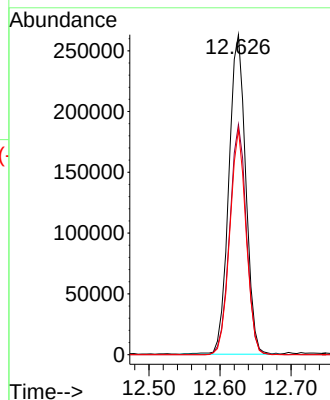
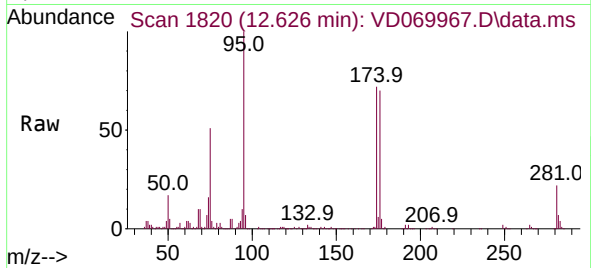




#62
4-Bromofluorobenzene
Concen: 47.469 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069967.D
Acq: 03 Aug 2021 15:42

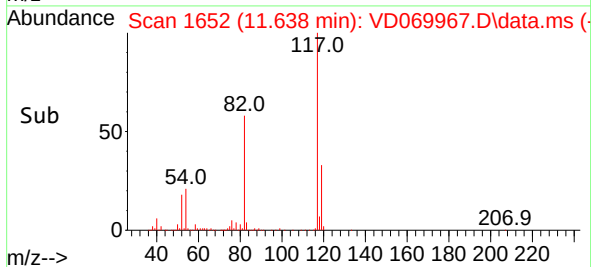
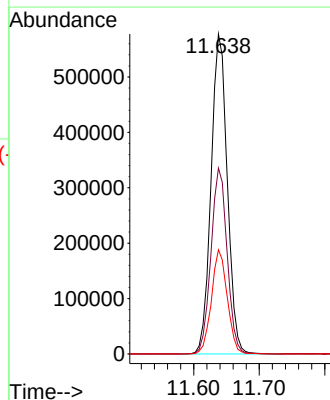
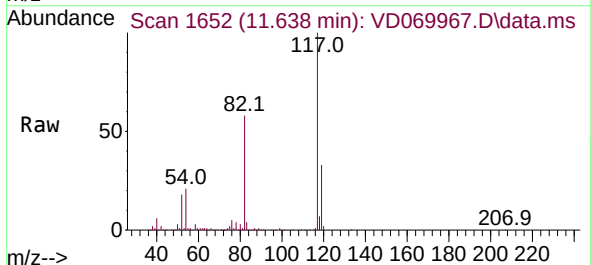
Instrument :
MSVOA_D
ClientSampleId :

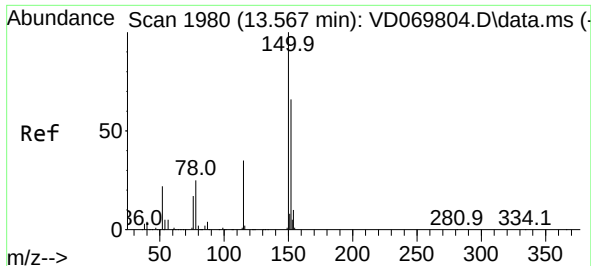
Tgt Ion: 95 Resp: 434466
Ion Ratio Lower Upper
95 100
174 71.1 0.0 142.6
176 67.7 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069967.D
Acq: 03 Aug 2021 15:42

Tgt Ion: 117 Resp: 991028
Ion Ratio Lower Upper
117 100
82 58.1 46.3 69.5
119 32.6 24.7 37.1

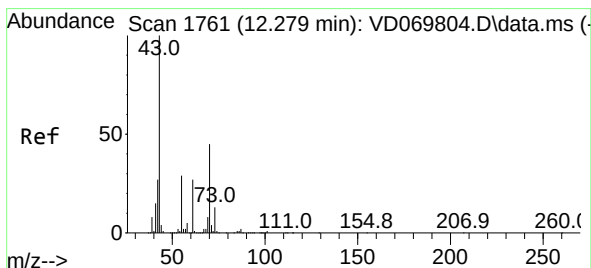
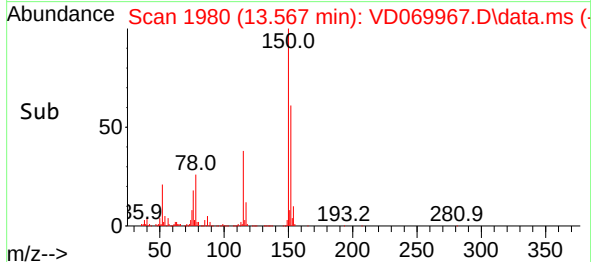
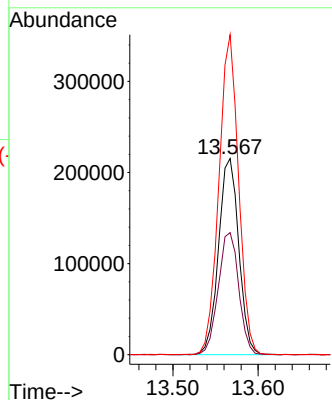
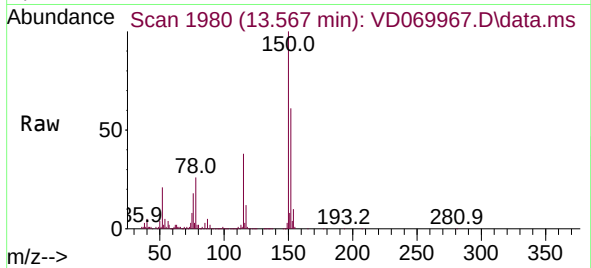




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069967.D
Acq: 03 Aug 2021 15:42

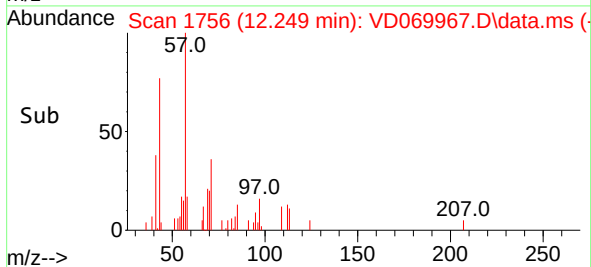
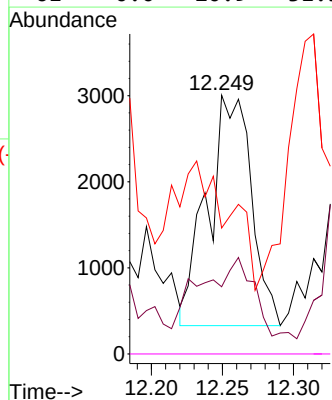
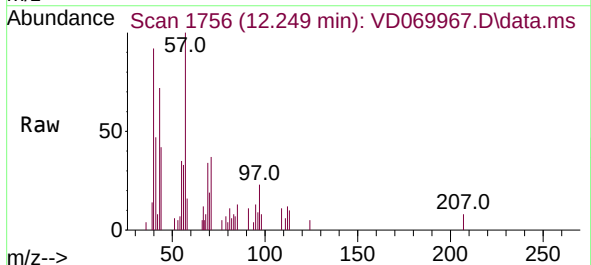
Instrument :
MSVOA_D
ClientSampleId :

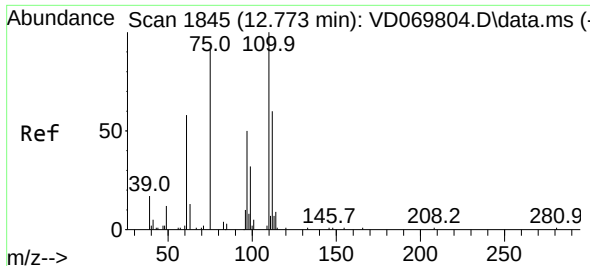
Tgt Ion:152 Resp: 355625
Ion Ratio Lower Upper
152 100
115 63.1 31.1 93.3
150 158.2 0.0 343.0



#74
N-ethyl acetate
Concen: 1.086 ug/l
RT: 12.249 min Scan# 1756
Delta R.T. -0.029 min
Lab File: VD069967.D
Acq: 03 Aug 2021 15:42

Tgt Ion: 43 Resp: 5707
Ion Ratio Lower Upper
43 100
70 38.1 37.9 56.9
55 0.0 23.7 35.5#
61 0.0 20.9 31.3#

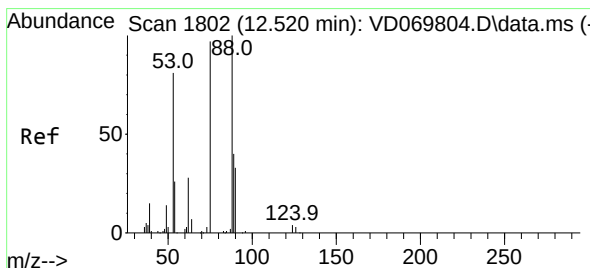
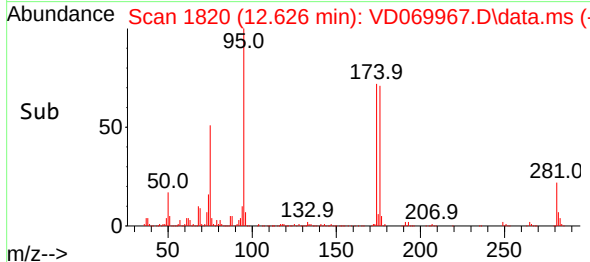
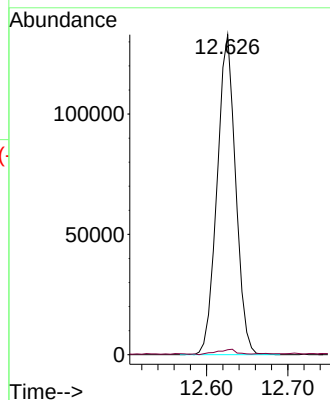
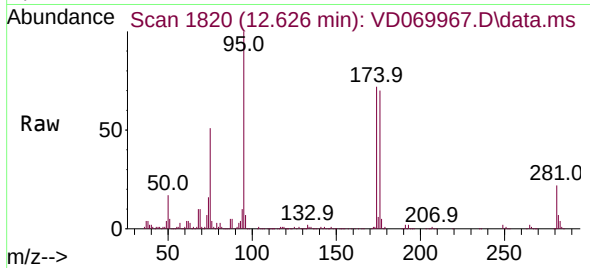




#76
1,2,3-Trichloropropane
Concen: 55.827 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069967.D
Acq: 03 Aug 2021 15:42

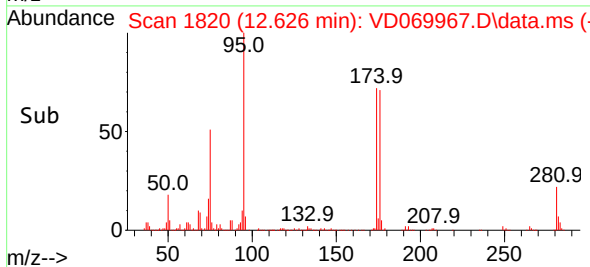
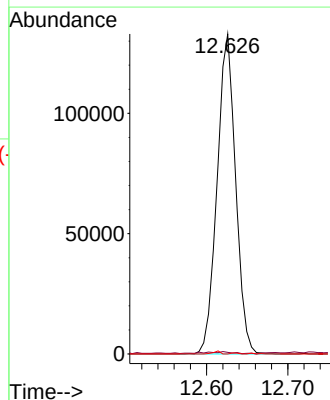
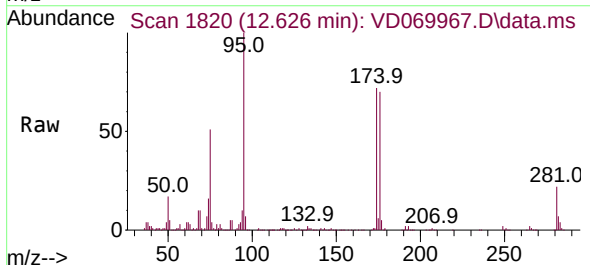
Instrument :
MSVOA_D
ClientSampleId :

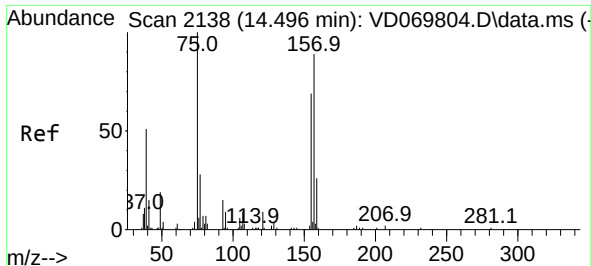
Tgt Ion: 75 Resp: 211027
Ion Ratio Lower Upper
75 100
77 1.9 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 169.364 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069967.D
Acq: 03 Aug 2021 15:42

Tgt Ion: 75 Resp: 211027
Ion Ratio Lower Upper
75 100
53 1.2 67.2 100.8#
89 0.1 35.8 53.6#

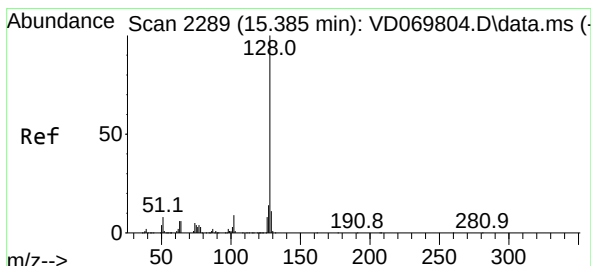
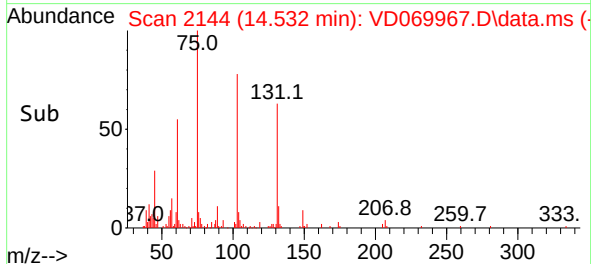
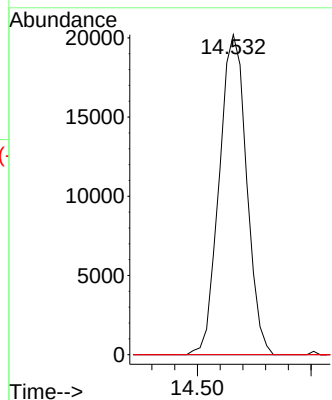
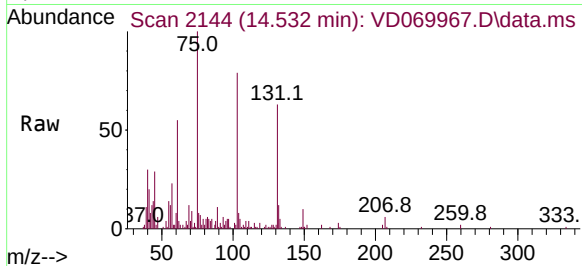




#92
1,2-Dibromo-3-Chloropropane
Concen: 45.939 ug/l
RT: 14.532 min Scan# 2144
Delta R.T. 0.035 min
Lab File: VD069967.D
Acq: 03 Aug 2021 15:42

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 33756
Ion Ratio Lower Upper
75 100
155 0.0 36.3 108.9#
157 0.0 47.0 141.0#



#95
Naphthalene
Concen: 5.419 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.011 min
Lab File: VD069967.D
Acq: 03 Aug 2021 15:42

Tgt Ion:128 Resp: 5436
Ion Ratio Lower Upper
128 100
127 8.7 10.6 16.0#
129 12.3 8.6 12.8

