

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080321\
 Data File : VD069971.D
 Acq On : 03 Aug 2021 17:36
 Operator : VA/SY
 Sample : M3268-15
 Misc : 6.50G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 04 01:33:35 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)

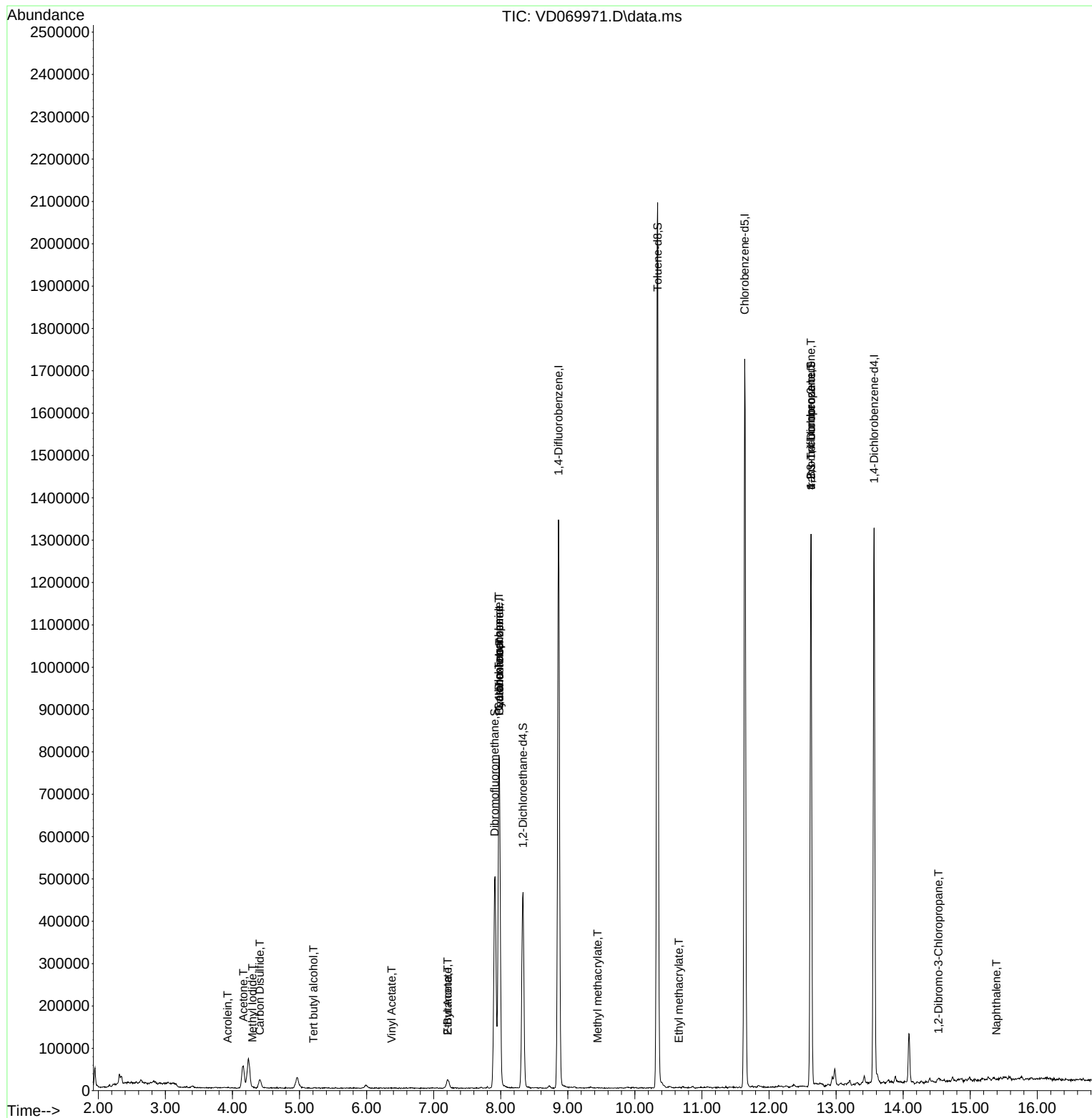
Internal Standards						
1) Pentafluorobenzene	7.979	168	568120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1134228	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	997470	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	350388	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	363846	55.686	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.380%			
35) Dibromofluoromethane	7.909	113	377022	52.729	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.460%			
50) Toluene-d8	10.338	98	1438418	52.172	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.340%			
62) 4-Bromofluorobenzene	12.626	95	407734	44.251	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 88.500%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.774	94	1831	Below Cal	#	71
10) Methyl Iodide	4.297	142	579	3.539	ug/l #	69
11) Tert butyl alcohol	5.209	59	609	1.801	ug/l #	73
13) Acrolein	3.926	56	1308	2.764	ug/l	84
16) Acetone	4.162	43	94221	79.827	ug/l	94
17) Carbon Disulfide	4.409	76	42185	1.815	ug/l #	95
20) Methylene Chloride	4.968	84	20271	Below Cal	#	81
23) Vinyl Acetate	6.373	43	74	20.355	ug/l #	71
25) 2-Butanone	7.209	43	29271	18.287	ug/l	96
31) Cyclohexane	7.979	56	12828	1.005	ug/l #	12
36) 1,1-Dichloropropene	7.973	75	49194	4.019	ug/l #	50
37) Ethyl Acetate	7.209	43	29271	6.569	ug/l #	68
38) Carbon Tetrachloride	7.973	117	61082	5.463	ug/l #	18
48) Methyl methacrylate	9.444	41	255	2.803	ug/l #	13
56) Ethyl methacrylate	10.655	69	187	3.917	ug/l #	49
76) 1,2,3-Trichloropropane	12.626	75	194798	52.304	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	194798	158.676	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.526	75	1980	2.735	ug/l #	7
95) Naphthalene	15.390	128	1157	5.089	ug/l #	68

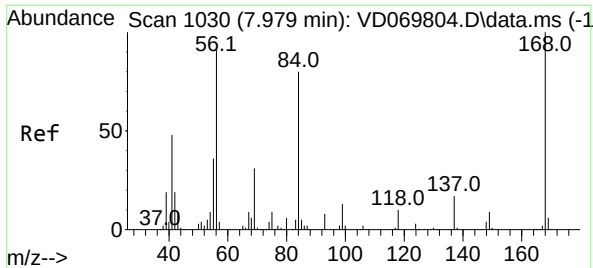
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080321\
Data File : VD069971.D
Acq On : 03 Aug 2021 17:36
Operator : VA/SY
Sample : M3268-15
Misc : 6.50G/5.00ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Aug 04 01:33:35 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

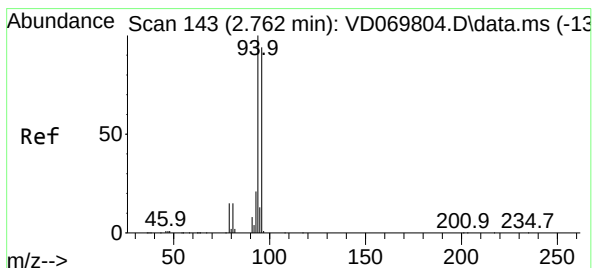
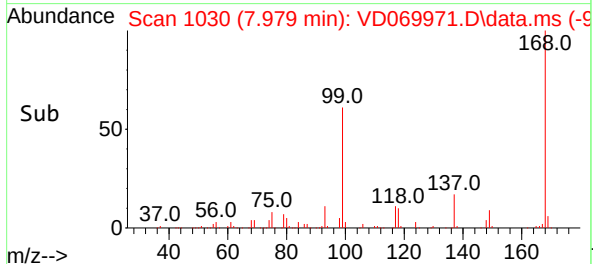
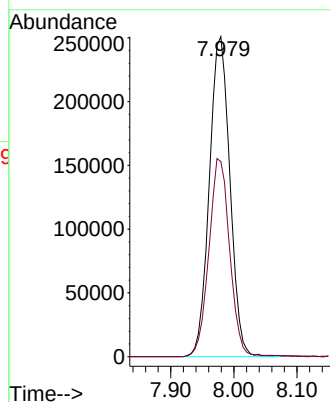
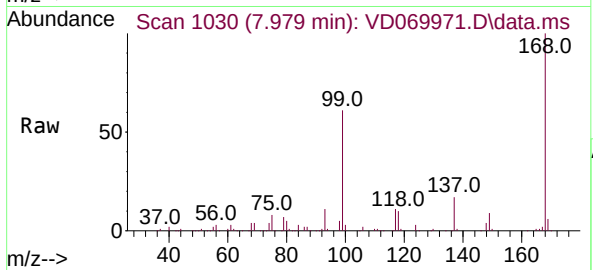




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069971.D
Acq: 03 Aug 2021 17:36

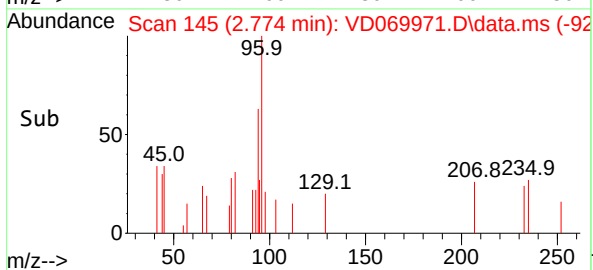
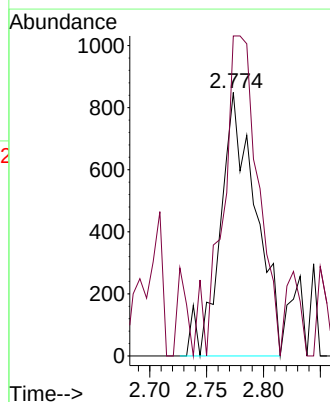
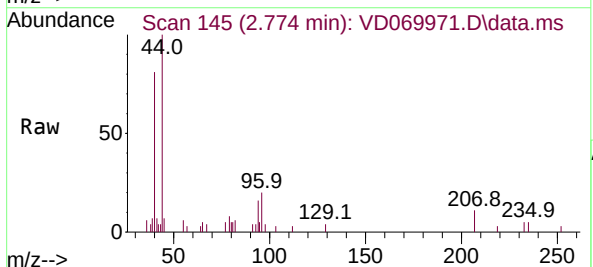
Instrument :
MSVOA_D
ClientSampleId :

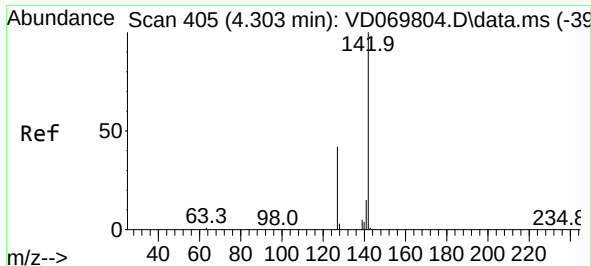
Tgt Ion:168 Resp: 568120
Ion Ratio Lower Upper
168 100
99 61.0 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 145
Delta R.T. 0.012 min
Lab File: VD069971.D
Acq: 03 Aug 2021 17:36

Tgt Ion: 94 Resp: 1831
Ion Ratio Lower Upper
94 100
96 121.4 74.8 112.2#

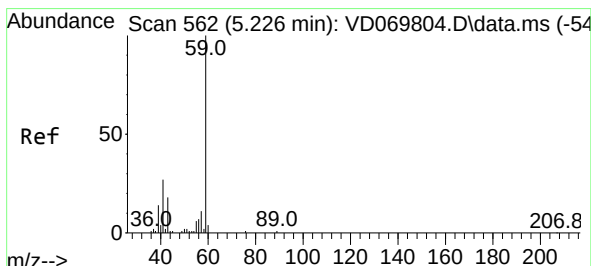
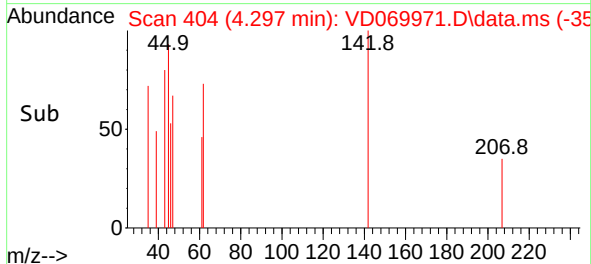
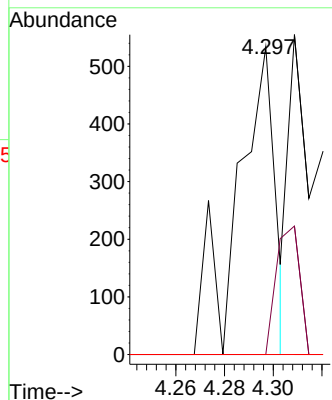
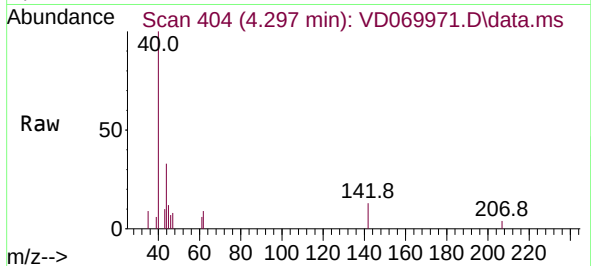




#10
Methyl Iodide
Concen: 3.539 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD069971.D
Acq: 03 Aug 2021 17:36

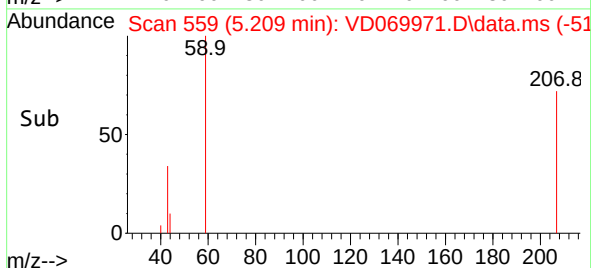
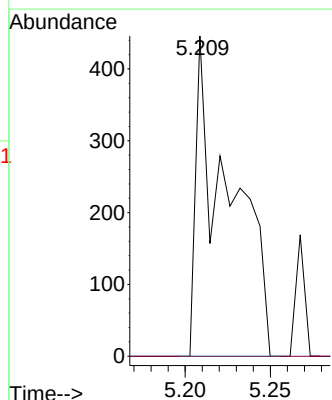
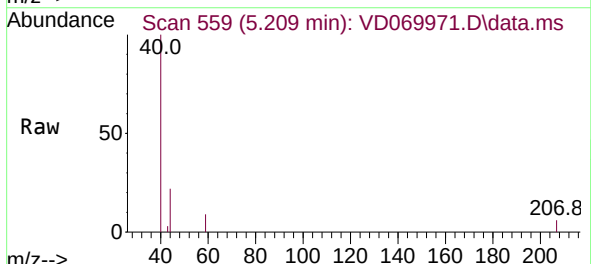
Instrument :
MSVOA_D
ClientSampled :

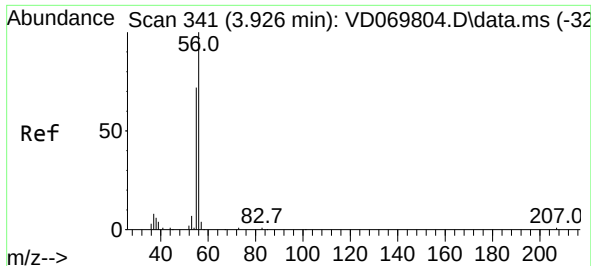
Tgt Ion:142 Resp: 579
Ion Ratio Lower Upper
142 100
127 25.9 35.7 53.5#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 1.801 ug/l
RT: 5.209 min Scan# 559
Delta R.T. -0.018 min
Lab File: VD069971.D
Acq: 03 Aug 2021 17:36

Tgt Ion: 59 Resp: 609
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

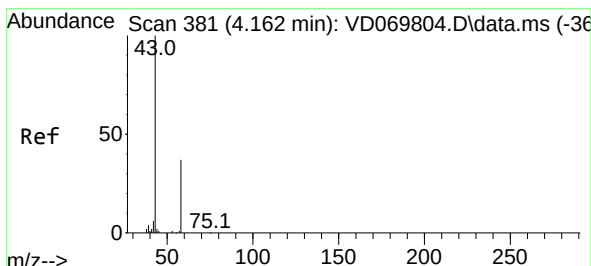
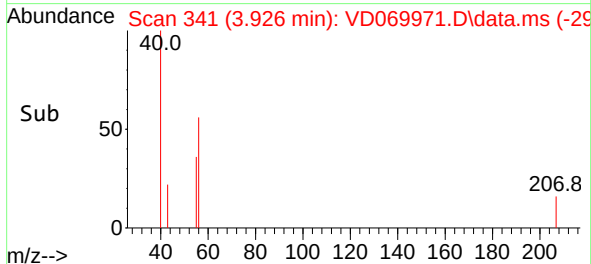
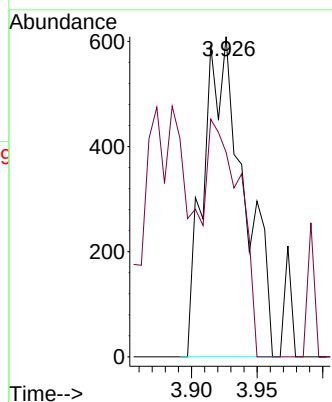
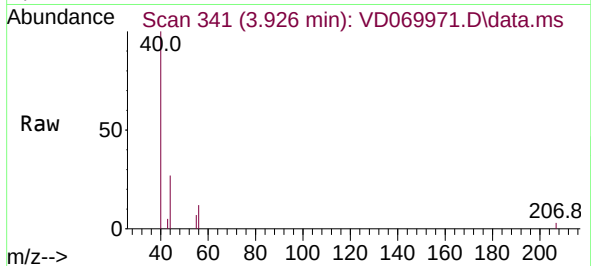




#13
Acrolein
Concen: 2.764 ug/l
RT: 3.926 min Scan# 341
Delta R.T. -0.000 min
Lab File: VD069971.D
Acq: 03 Aug 2021 17:36

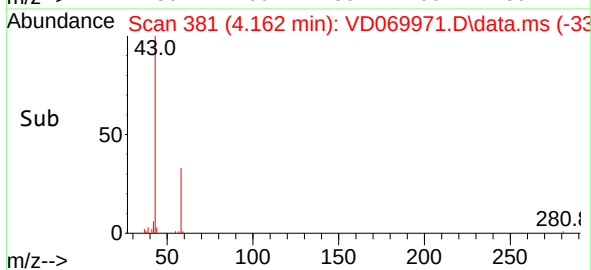
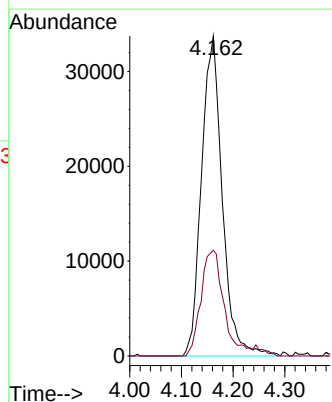
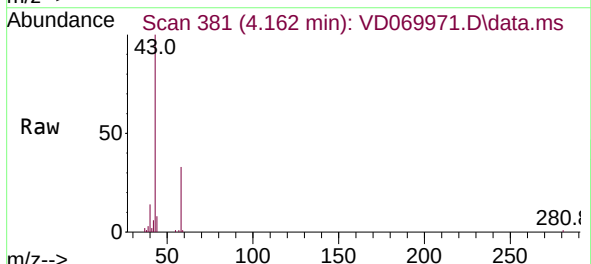
Instrument :
MSVOA_D
ClientSampleId :

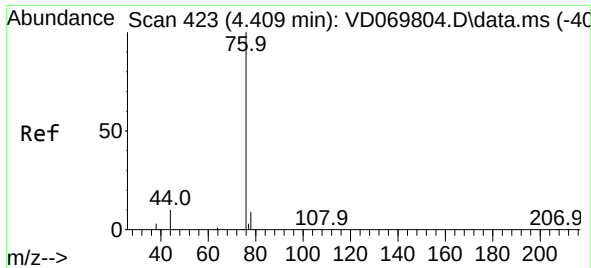
Tgt Ion: 56 Resp: 1308
Ion Ratio Lower Upper
56 100
55 58.3 57.2 85.8



#16
Acetone
Concen: 79.827 ug/l
RT: 4.162 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD069971.D
Acq: 03 Aug 2021 17:36

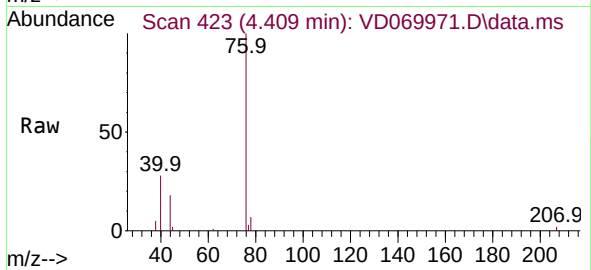
Tgt Ion: 43 Resp: 94221
Ion Ratio Lower Upper
43 100
58 33.1 29.4 44.0



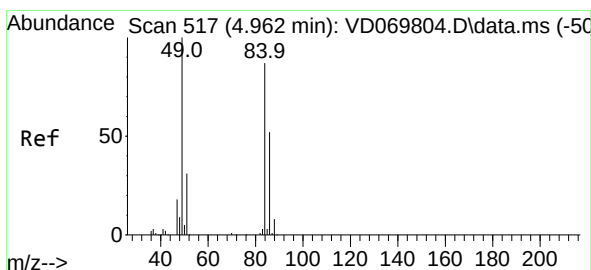
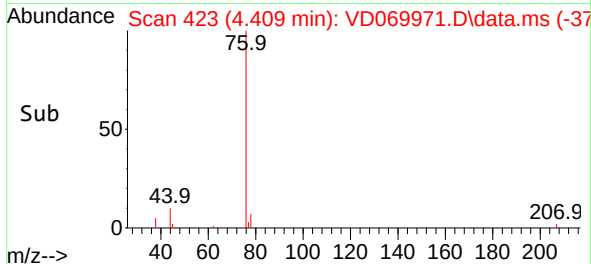
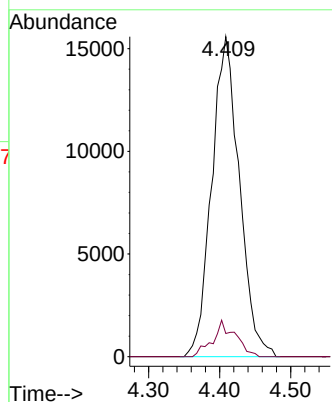


#17
Carbon Disulfide
Concen: 1.815 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069971.D
Acq: 03 Aug 2021 17:36

Instrument :
MSVOA_D
ClientSampled :

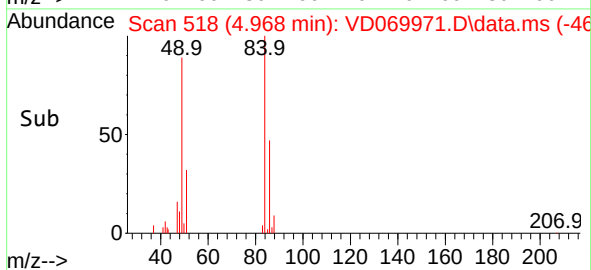
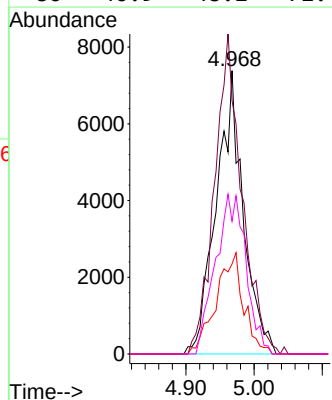
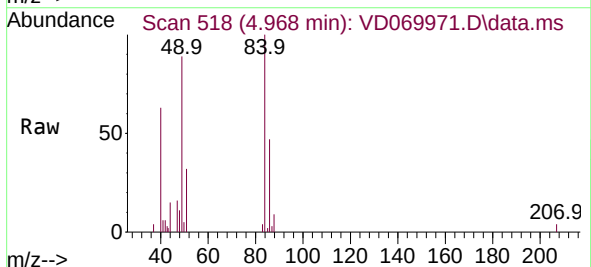


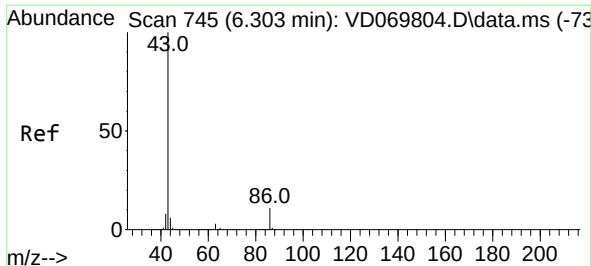
Tgt Ion: 76 Resp: 42185
Ion Ratio Lower Upper
76 100
78 7.3 7.3 10.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD069971.D
Acq: 03 Aug 2021 17:36

Tgt Ion: 84 Resp: 20271
Ion Ratio Lower Upper
84 100
49 89.4 92.4 138.6#
51 31.8 28.5 42.7
86 46.9 48.2 72.4#

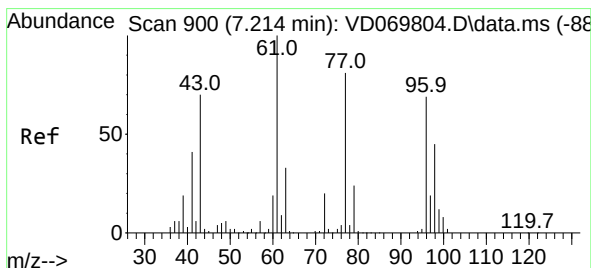
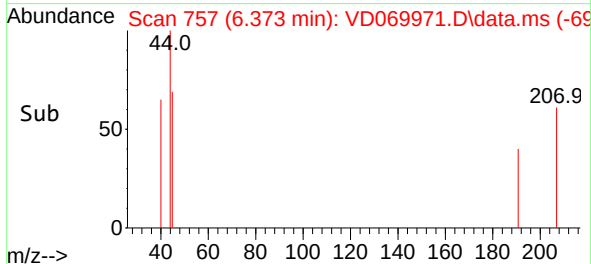
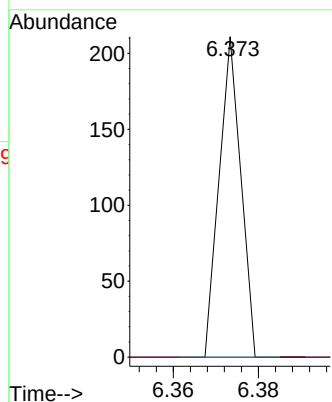
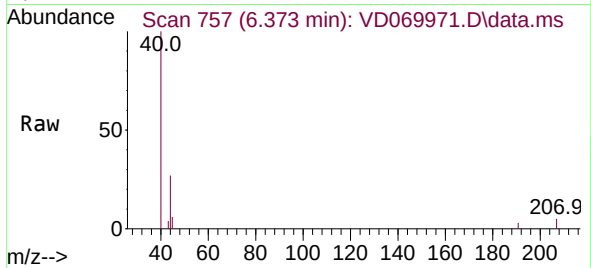




#23
 Vinyl Acetate
 Concen: 20.355 ug/l
 RT: 6.373 min Scan# 757
 Delta R.T. 0.070 min
 Lab File: VD069971.D
 Acq: 03 Aug 2021 17:36

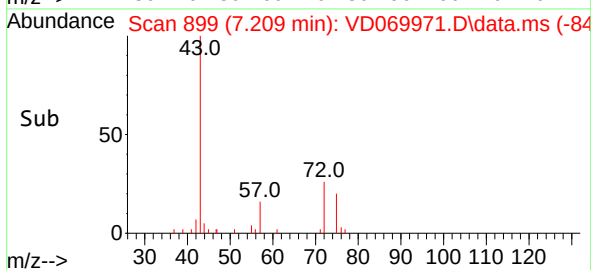
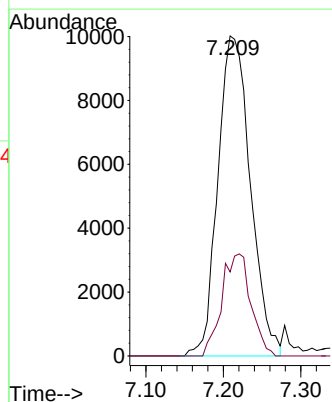
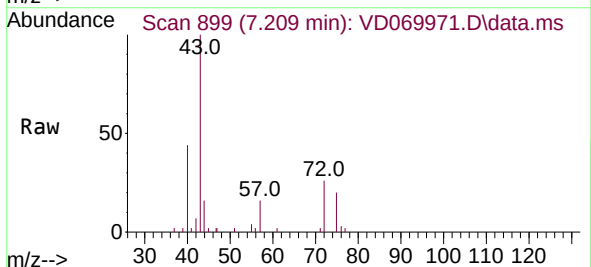
Instrument :
 MSVOA_D
 ClientSampled :

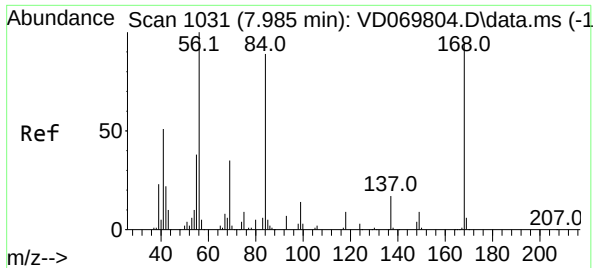
Tgt Ion: 43 Resp: 74
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#25
 2-Butanone
 Concen: 18.287 ug/l
 RT: 7.209 min Scan# 899
 Delta R.T. -0.006 min
 Lab File: VD069971.D
 Acq: 03 Aug 2021 17:36

Tgt Ion: 43 Resp: 29271
 Ion Ratio Lower Upper
 43 100
 72 26.3 22.8 34.2

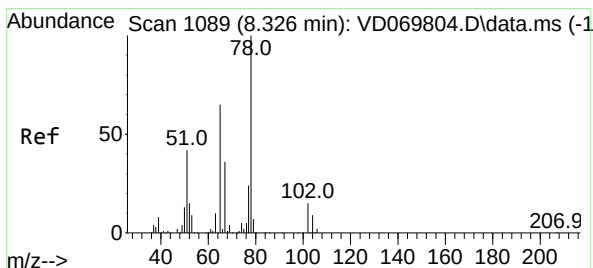
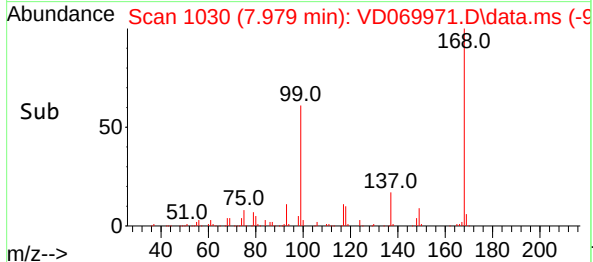
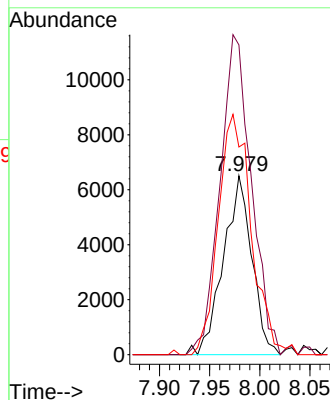
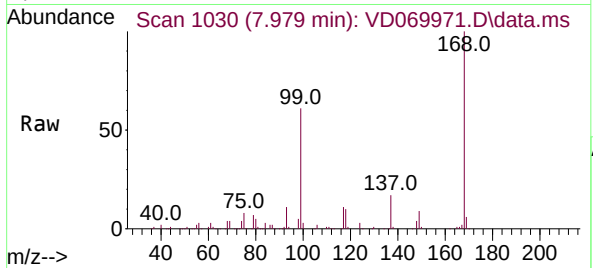




#31
Cyclohexane
Concen: 1.005 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069971.D
Acq: 03 Aug 2021 17:36

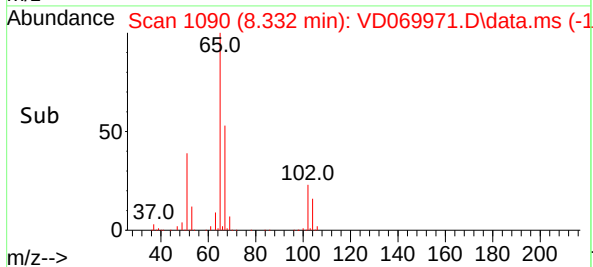
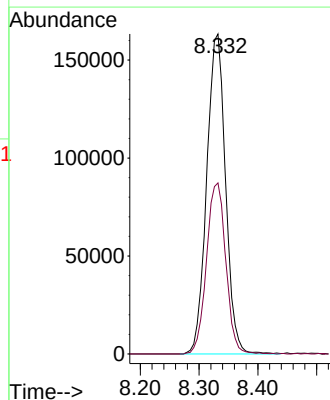
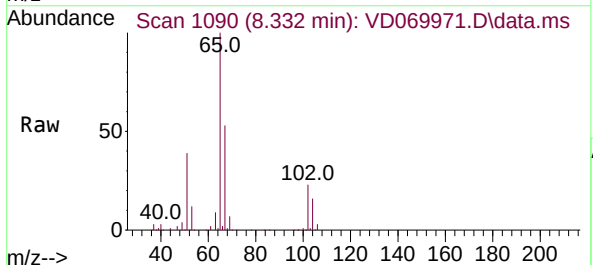
Instrument :
MSVOA_D
ClientSampleId :

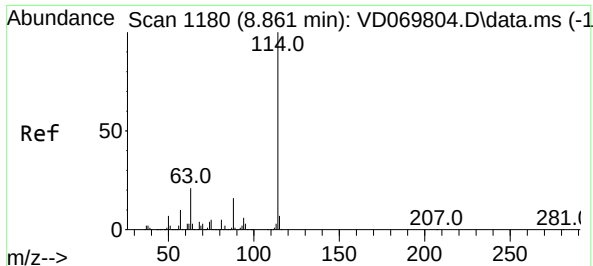
Tgt Ion: 56 Resp: 12828
Ion Ratio Lower Upper
56 100
69 173.1 27.9 41.9#
84 116.1 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 55.686 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069971.D
Acq: 03 Aug 2021 17:36

Tgt Ion: 65 Resp: 363846
Ion Ratio Lower Upper
65 100
67 54.7 0.0 111.2

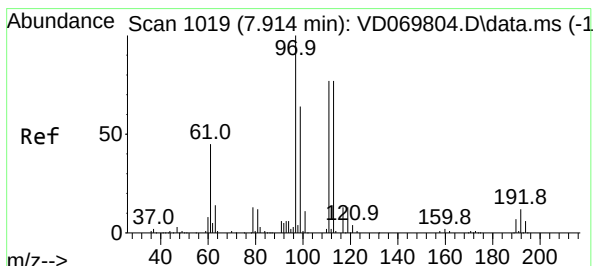
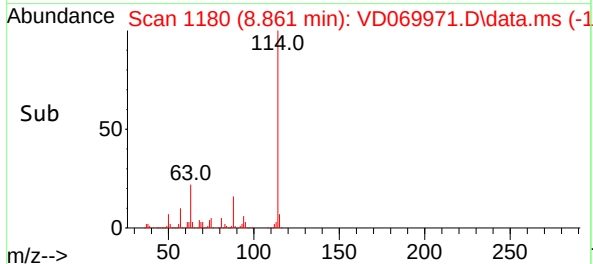
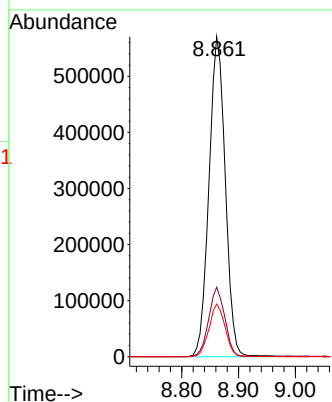
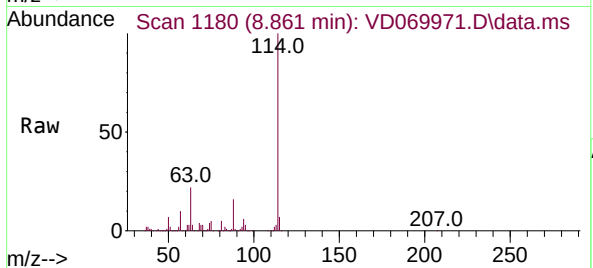




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069971.D
Acq: 03 Aug 2021 17:36

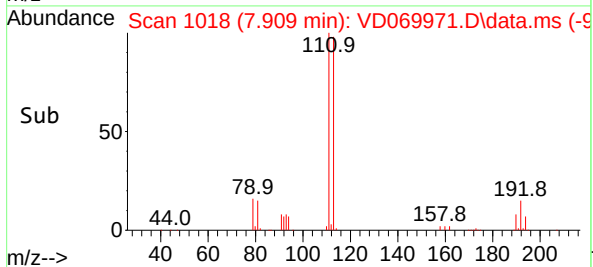
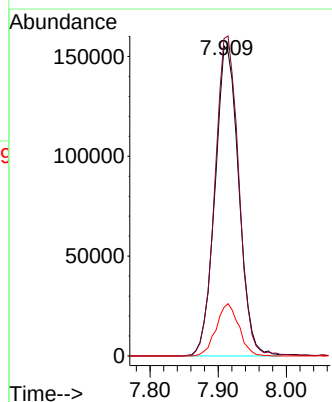
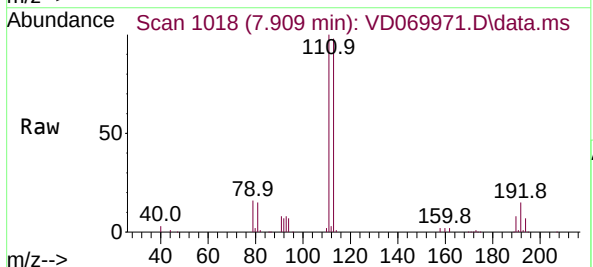
Instrument :
MSVOA_D
ClientSampled :

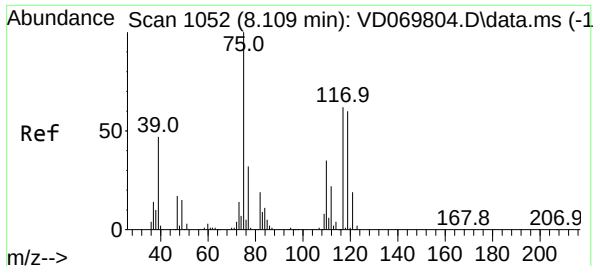
Tgt Ion:114 Resp: 1134228
Ion Ratio Lower Upper
114 100
63 21.7 0.0 41.6
88 16.4 0.0 31.4



#35
Dibromofluoromethane
Concen: 52.729 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD069971.D
Acq: 03 Aug 2021 17:36

Tgt Ion:113 Resp: 377022
Ion Ratio Lower Upper
113 100
111 103.2 80.5 120.7
192 16.1 12.6 19.0



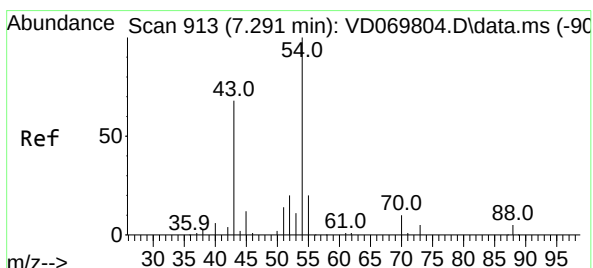
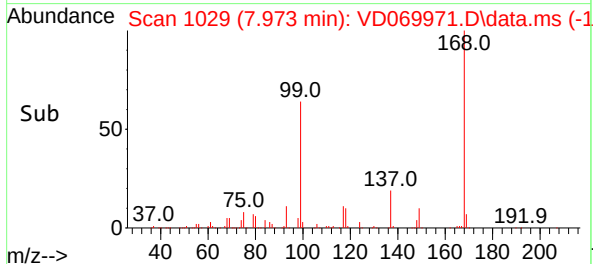
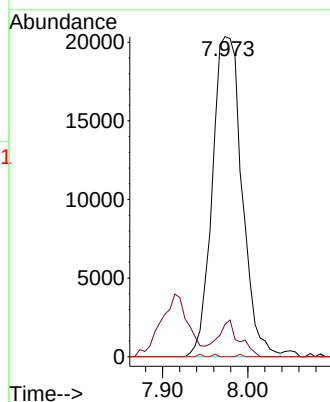
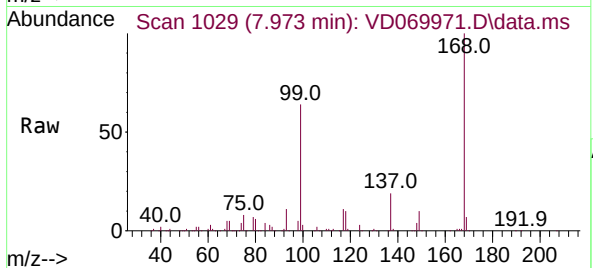


#36

1,1-Dichloropropene
Concen: 4.019 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD069971.D
Acq: 03 Aug 2021 17:36

Instrument :
MSVOA_D
ClientSampled :

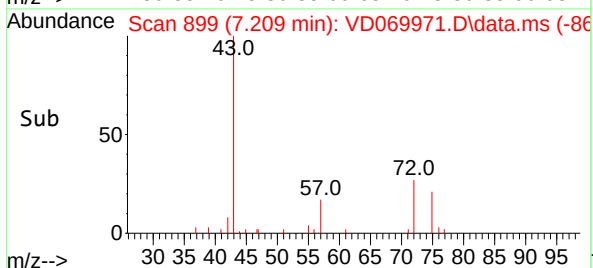
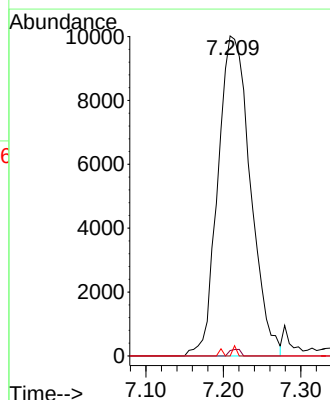
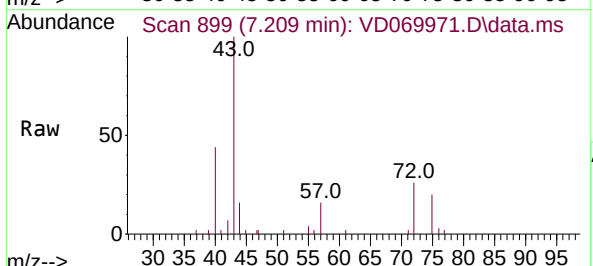
Tgt Ion: 75 Resp: 49194
Ion Ratio Lower Upper
75 100
110 8.3 16.9 50.7#
77 0.1 24.9 37.3#

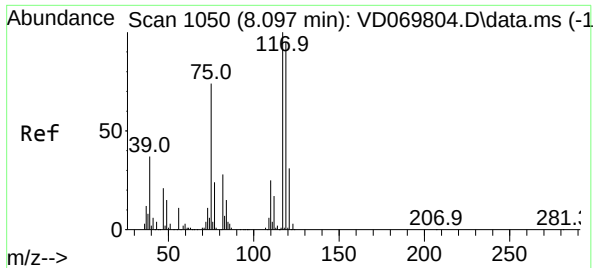


#37

Ethyl Acetate
Concen: 6.569 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.082 min
Lab File: VD069971.D
Acq: 03 Aug 2021 17:36

Tgt Ion: 43 Resp: 29271
Ion Ratio Lower Upper
43 100
61 0.7 11.8 17.8#
70 0.4 8.9 13.3#

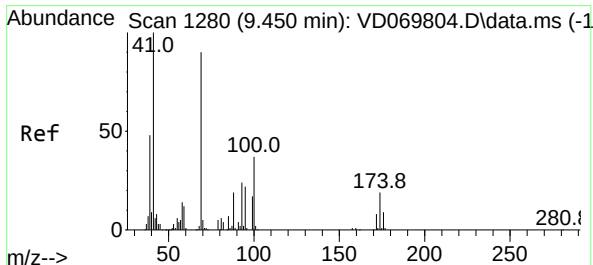
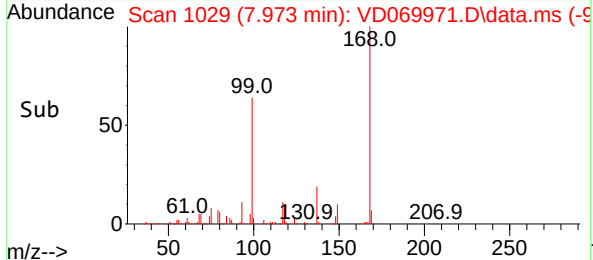
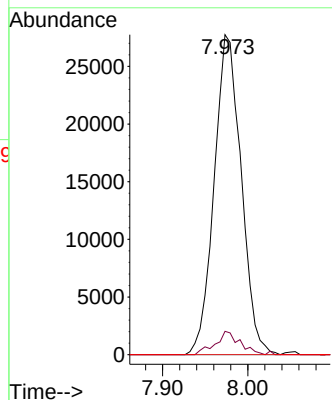
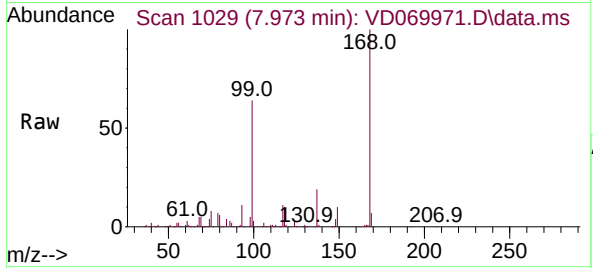




#38
Carbon Tetrachloride
Concen: 5.463 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069971.D
Acq: 03 Aug 2021 17:36

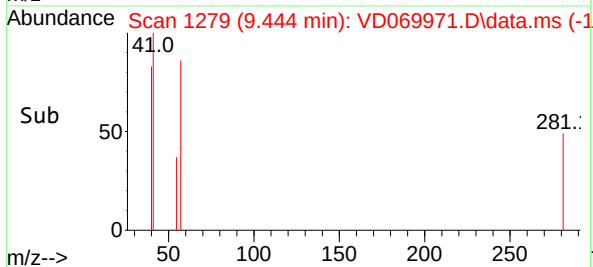
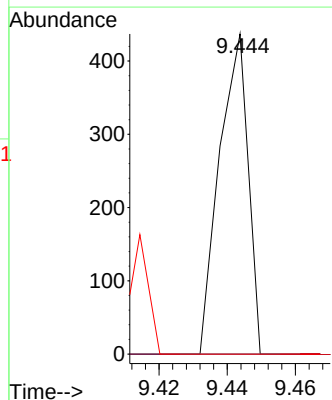
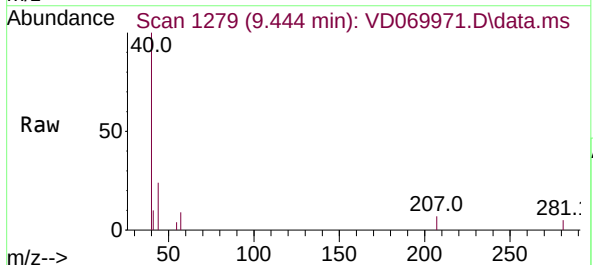
Instrument :
MSVOA_D
ClientSampleId :

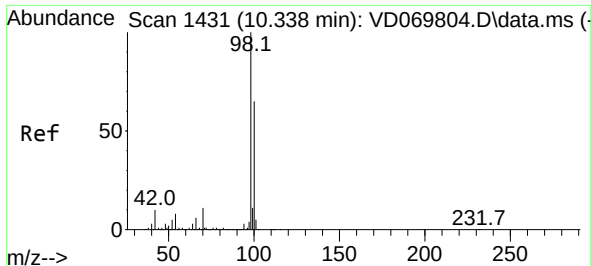
Tgt Ion:117 Resp: 61082
Ion Ratio Lower Upper
117 100
119 7.3 76.2 114.2#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 2.803 ug/l
RT: 9.444 min Scan# 1279
Delta R.T. -0.006 min
Lab File: VD069971.D
Acq: 03 Aug 2021 17:36

Tgt Ion: 41 Resp: 255
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#

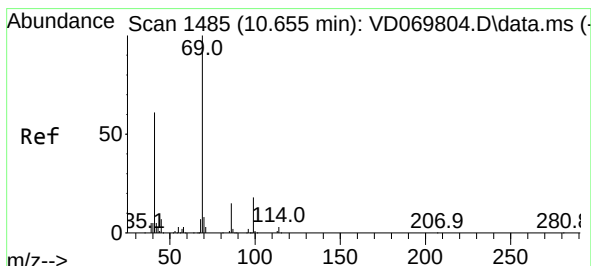
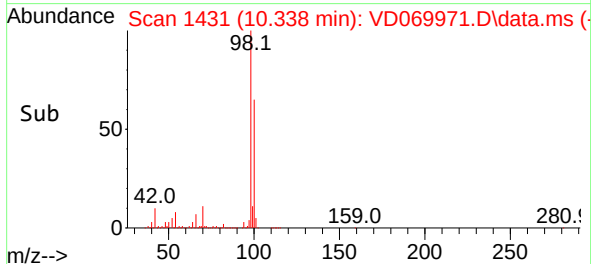
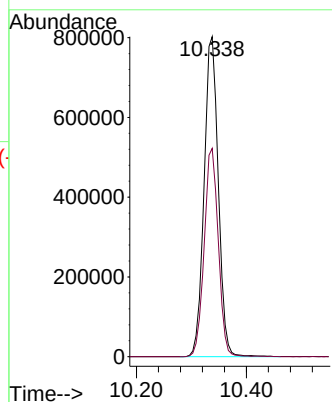
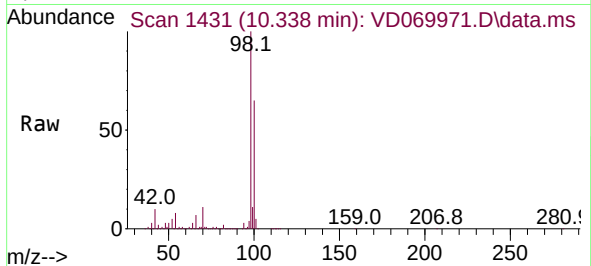




#50
Toluene-d8
Concen: 52.172 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069971.D
Acq: 03 Aug 2021 17:36

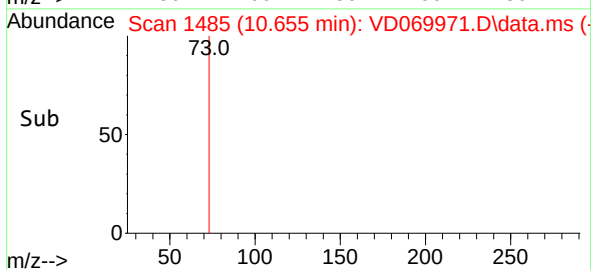
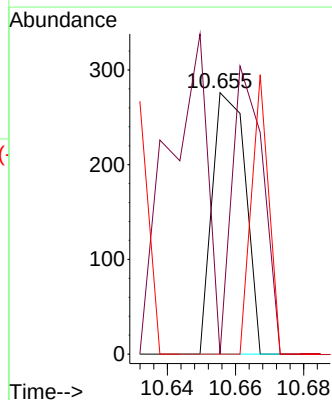
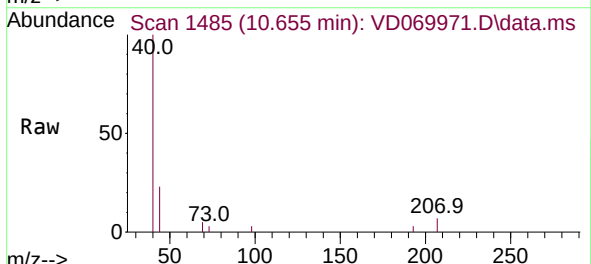
Instrument :
MSVOA_D
ClientSampleId :

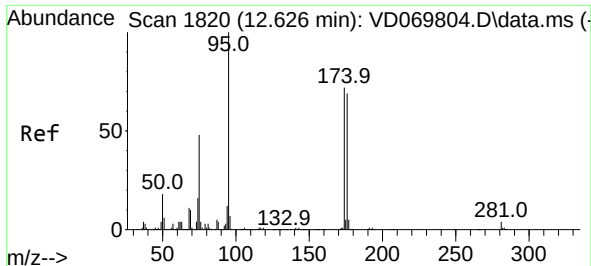
Tgt Ion: 98 Resp: 1438418
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9



#56
Ethyl methacrylate
Concen: 3.917 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD069971.D
Acq: 03 Aug 2021 17:36

Tgt Ion: 69 Resp: 187
Ion Ratio Lower Upper
69 100
41 101.6 50.2 75.2#
39 55.6 22.0 33.0#

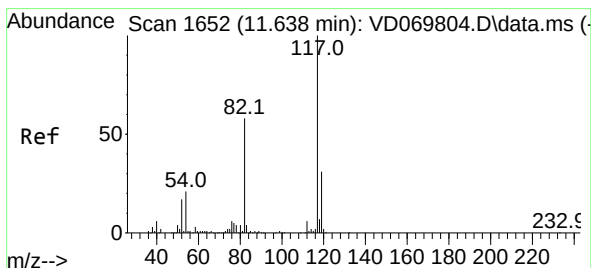
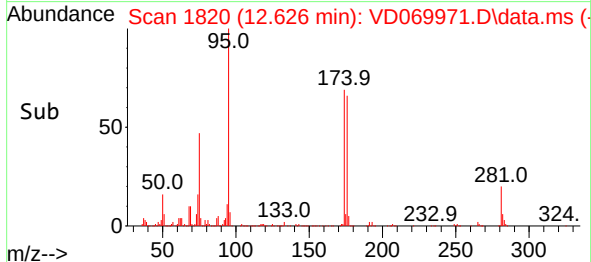
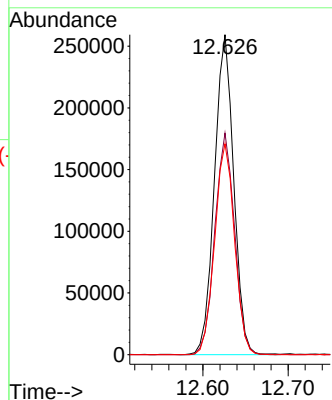
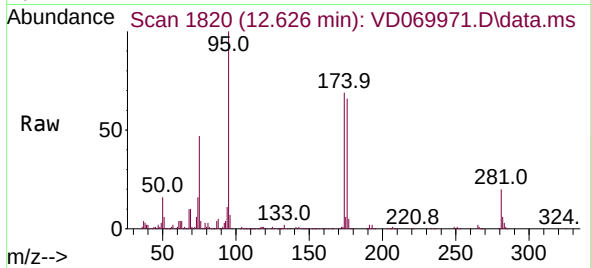




#62
4-Bromofluorobenzene
Concen: 44.251 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069971.D
Acq: 03 Aug 2021 17:36

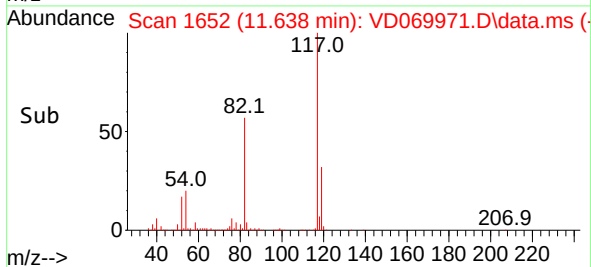
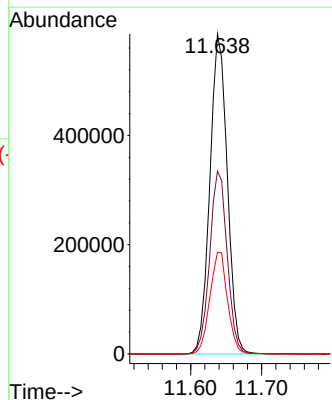
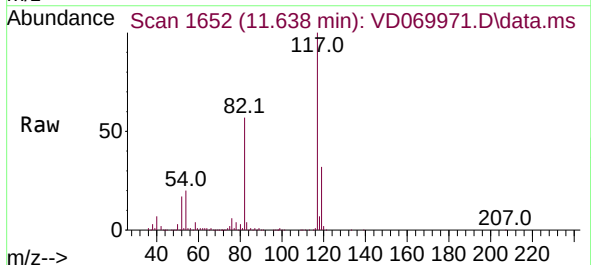
Instrument :
MSVOA_D
ClientSampleId :

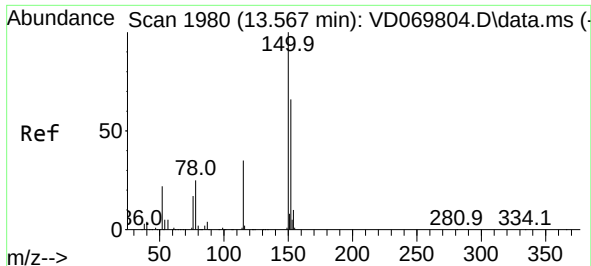
Tgt Ion: 95 Resp: 407734
Ion Ratio Lower Upper
95 100
174 70.7 0.0 142.6
176 67.9 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069971.D
Acq: 03 Aug 2021 17:36

Tgt Ion: 117 Resp: 997470
Ion Ratio Lower Upper
117 100
82 57.1 46.3 69.5
119 31.8 24.7 37.1

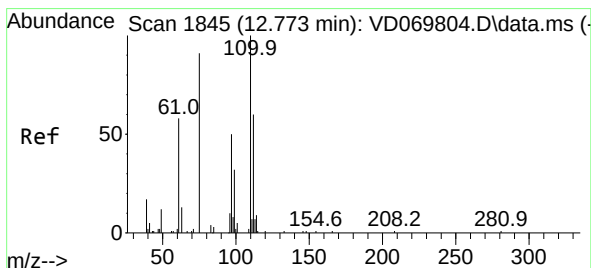
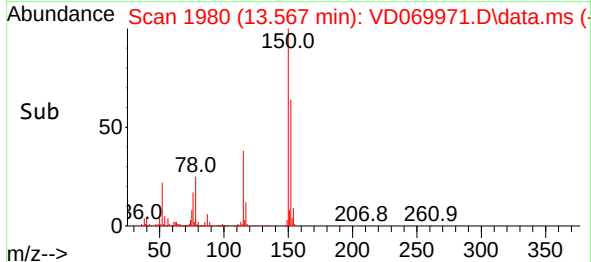
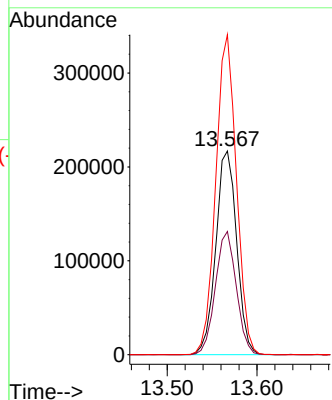
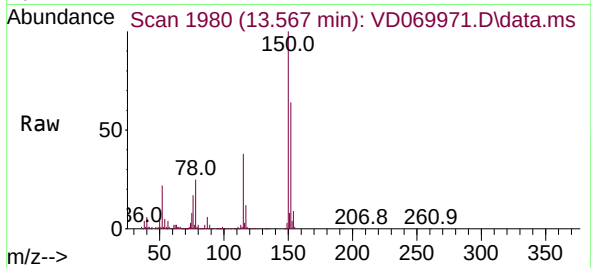




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069971.D
 Acq: 03 Aug 2021 17:36

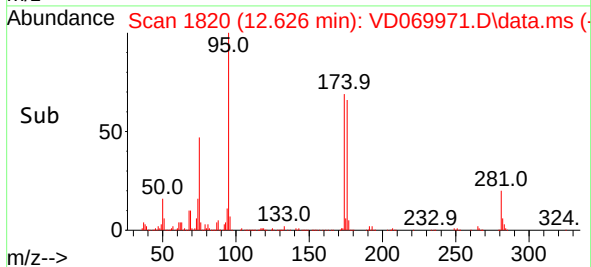
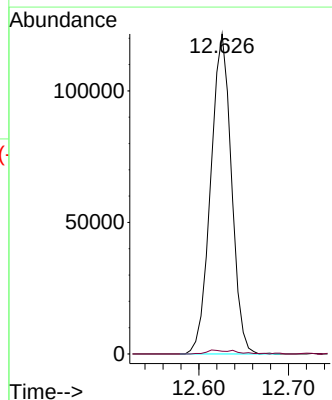
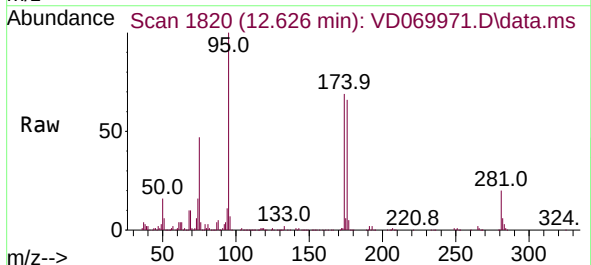
Instrument :
 MSVOA_D
 ClientSampleId :

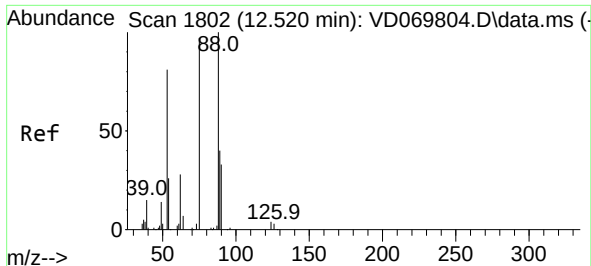
Tgt Ion:152 Resp: 350388
 Ion Ratio Lower Upper
 152 100
 115 60.5 31.1 93.3
 150 155.4 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 52.304 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069971.D
 Acq: 03 Aug 2021 17:36

Tgt Ion: 75 Resp: 194798
 Ion Ratio Lower Upper
 75 100
 77 1.7 181.5 544.5#

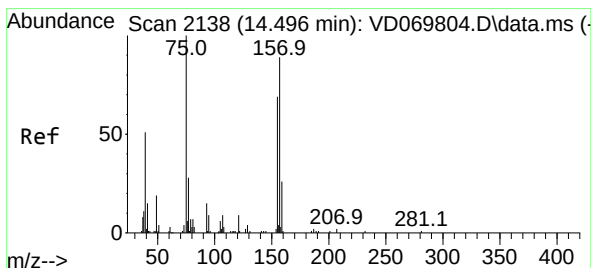
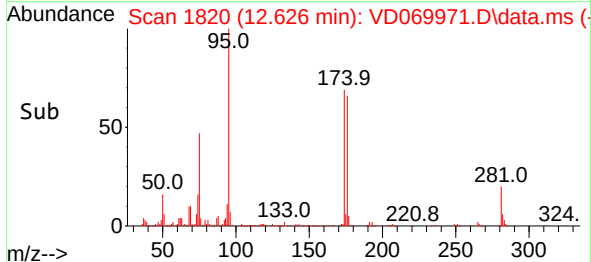
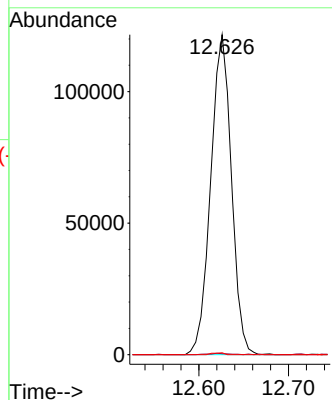
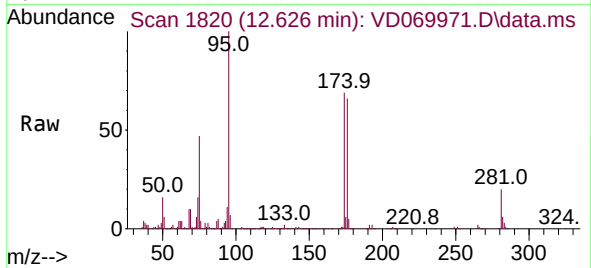




#81
trans-1,4-Dichloro-2-butene
Concen: 158.676 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069971.D
Acq: 03 Aug 2021 17:36

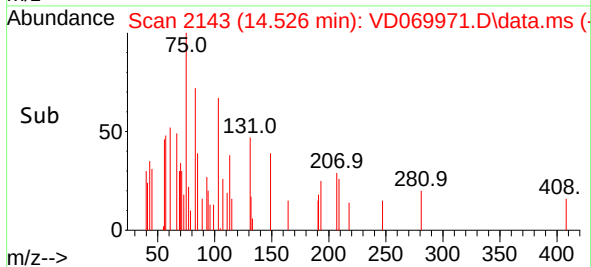
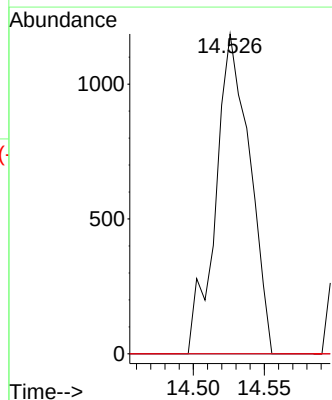
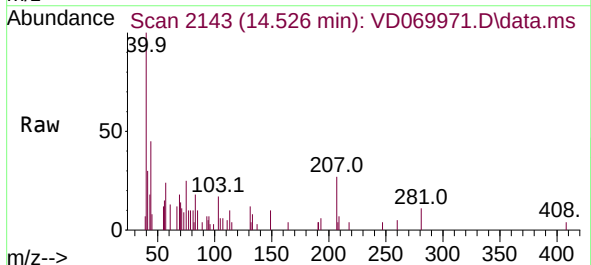
Instrument :
MSVOA_D
ClientSampleId :

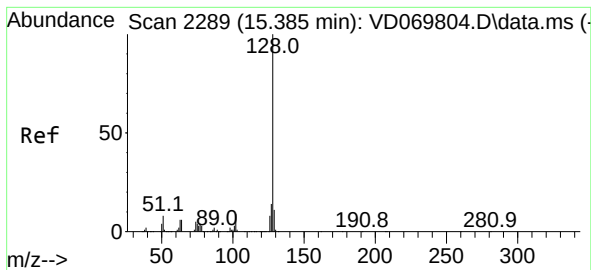
Tgt Ion: 75 Resp: 194798
Ion Ratio Lower Upper
75 100
53 0.4 67.2 100.8#
89 0.3 35.8 53.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.735 ug/l
RT: 14.526 min Scan# 2143
Delta R.T. 0.029 min
Lab File: VD069971.D
Acq: 03 Aug 2021 17:36

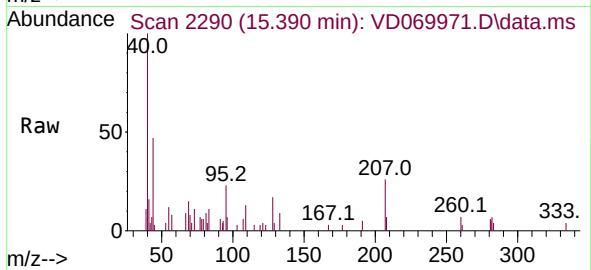
Tgt Ion: 75 Resp: 1980
Ion Ratio Lower Upper
75 100
155 0.0 36.3 108.9#
157 0.0 47.0 141.0#





#95
Naphthalene
Concen: 5.089 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD069971.D
Acq: 03 Aug 2021 17:36

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	128	Resp:	1157
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.6	16.0#
129	22.5	8.6	12.8#

