

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080321\
 Data File : VD069964.D
 Acq On : 03 Aug 2021 14:16
 Operator : VA/SY
 Sample : M3268-05
 Misc : 8.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 04 01:32:20 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)

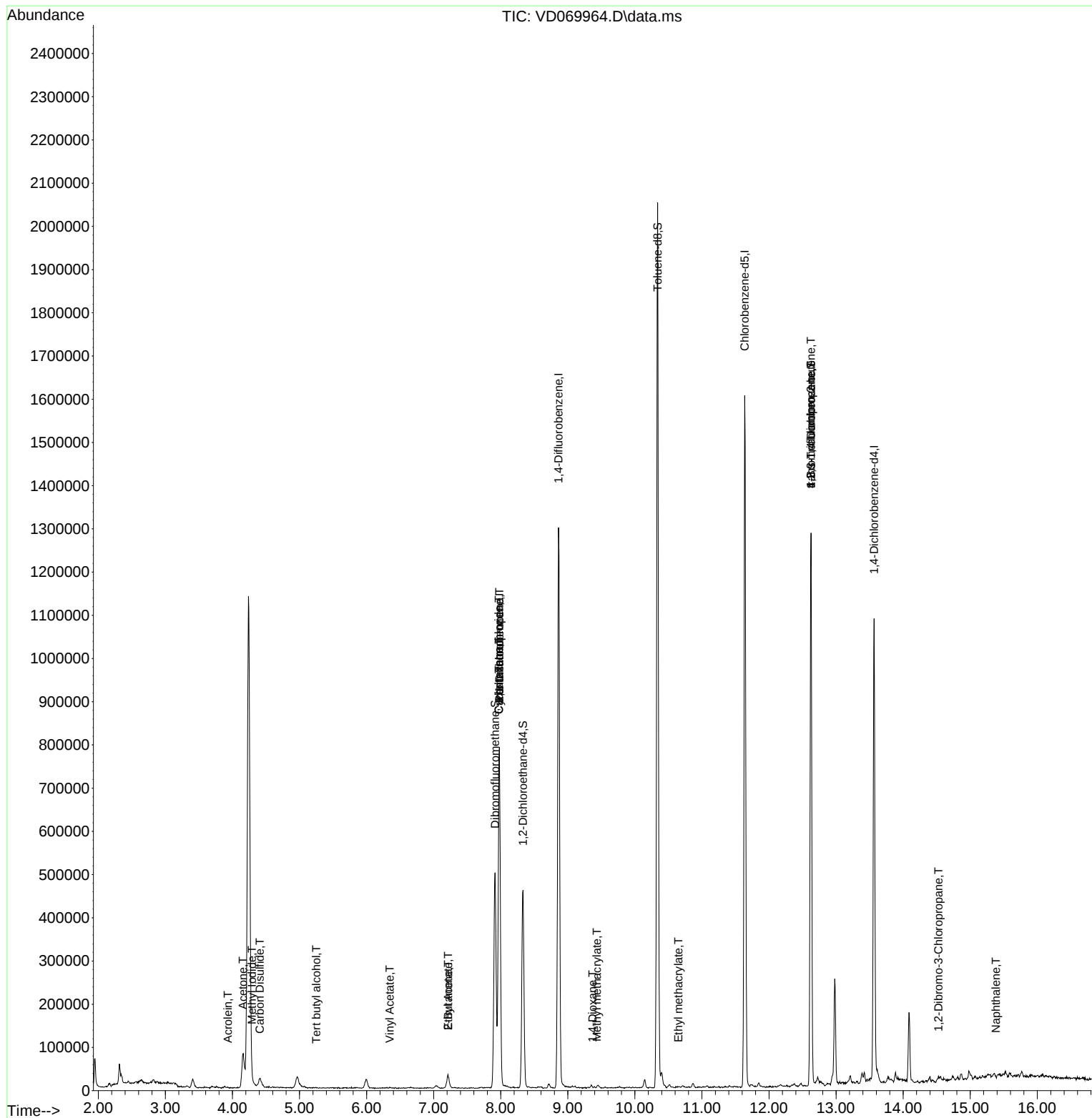
Internal Standards						
1) Pentafluorobenzene	7.979	168	548856	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1112552	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	924147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	282285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	362972	57.502	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.000%			
35) Dibromofluoromethane	7.914	113	373674	53.279	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.560%			
50) Toluene-d8	10.338	98	1389491	51.379	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.760%			
62) 4-Bromofluorobenzene	12.626	95	362035	40.057	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 80.120%			
Target Compounds						Qvalue
5) Bromomethane	2.779	94	1908	Below Cal		82
10) Methyl Iodide	4.291	142	734	3.563 ug/l #		82
11) Tert butyl alcohol	5.250	59	1333	4.081 ug/l #		73
13) Acrolein	3.932	56	495	1.083 ug/l #		71
16) Acetone	4.156	43	140613	123.312 ug/l		93
17) Carbon Disulfide	4.409	76	40160	1.789 ug/l		97
20) Methylene Chloride	4.968	84	20145	Below Cal		98
23) Vinyl Acetate	6.344	43	122	20.359 ug/l #		71
25) 2-Butanone	7.214	43	41407	26.777 ug/l		97
31) Cyclohexane	7.973	56	14220	1.153 ug/l #		1
36) 1,1-Dichloropropene	7.979	75	50609	4.215 ug/l #		50
37) Ethyl Acetate	7.214	43	41407	9.473 ug/l #		71
38) Carbon Tetrachloride	7.973	117	60100	5.480 ug/l #		17
48) Methyl methacrylate	9.432	41	178	2.787 ug/l #		24
49) 1,4-Dioxane	9.367	88	56	1.180 ug/l #		21
56) Ethyl methacrylate	10.650	69	354	3.938 ug/l #		1
76) 1,2,3-Trichloropropane	12.626	75	174341	58.104 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	174341	176.273 ug/l #		17
92) 1,2-Dibromo-3-Chloropr...	14.526	75	1370	2.349 ug/l #		7
95) Naphthalene	15.385	128	1653	5.160 ug/l #		75

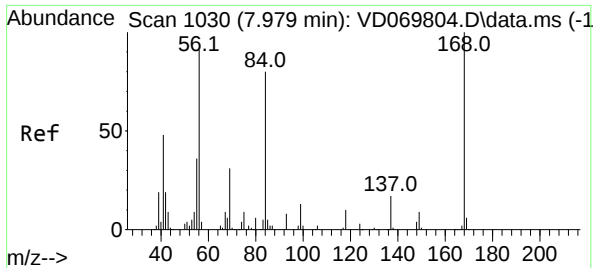
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

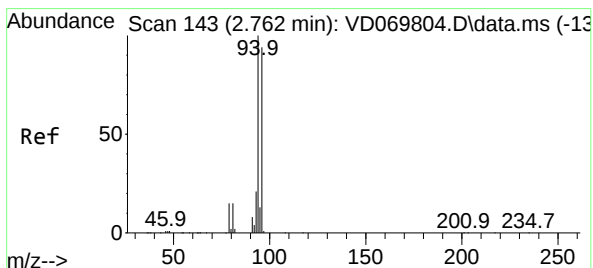
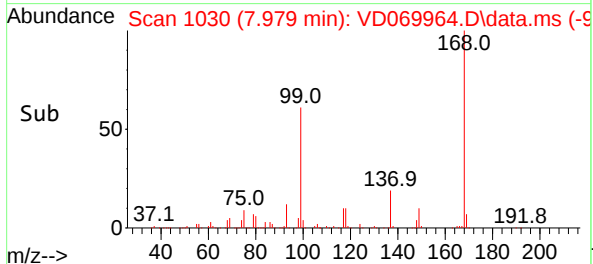
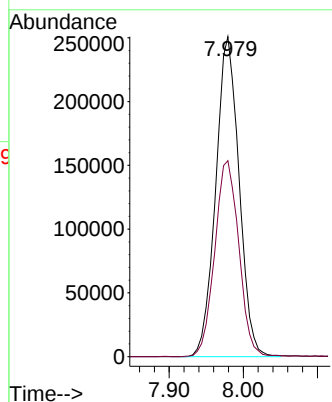
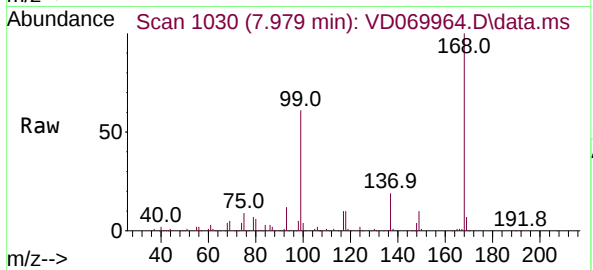




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069964.D
Acq: 03 Aug 2021 14:16

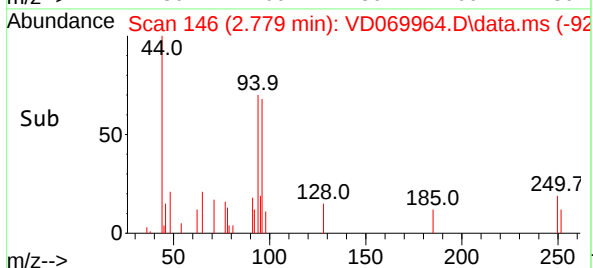
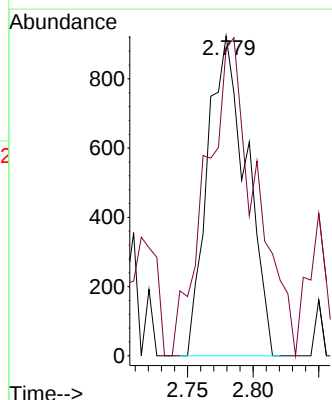
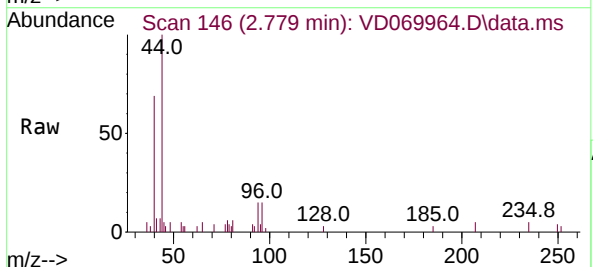
Instrument :
MSVOA_D
ClientSampled :

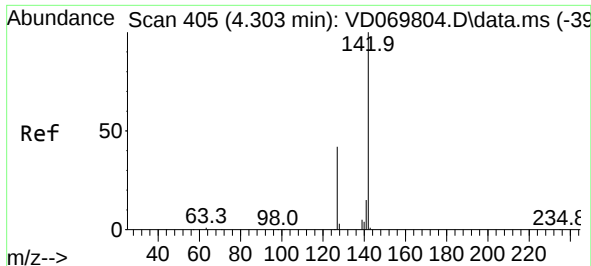
Tgt Ion:168 Resp: 548856
Ion Ratio Lower Upper
168 100
99 61.2 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD069964.D
Acq: 03 Aug 2021 14:16

Tgt Ion: 94 Resp: 1908
Ion Ratio Lower Upper
94 100
96 76.0 74.8 112.2

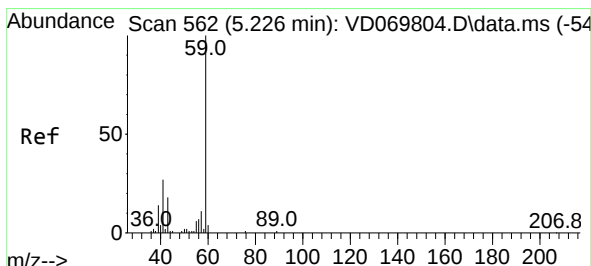
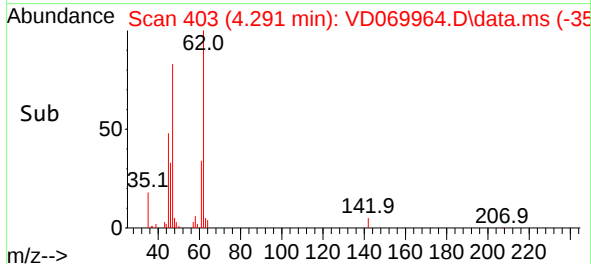
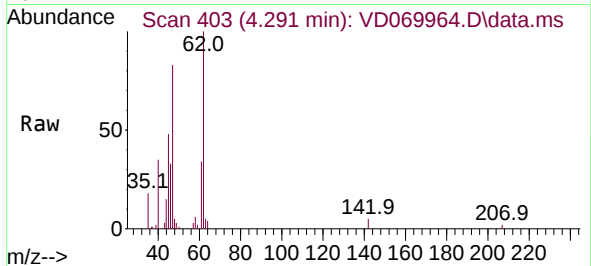




#10
Methyl Iodide
Concen: 3.563 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD069964.D
Acq: 03 Aug 2021 14:16

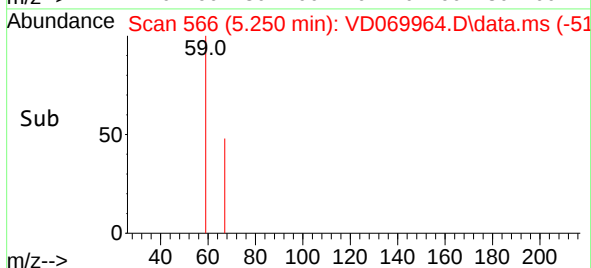
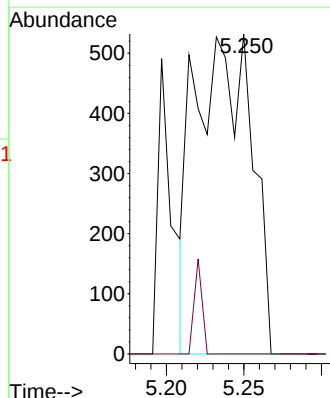
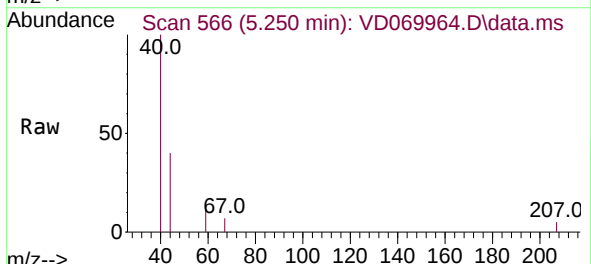
Instrument :
MSVOA_D
ClientSampled :

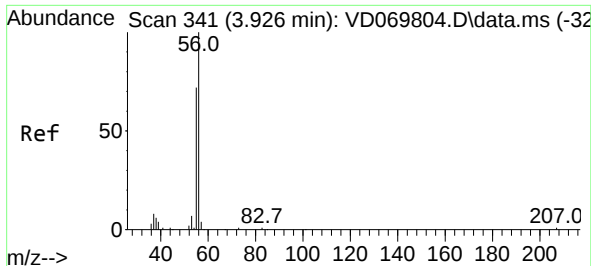
Tgt Ion:142 Resp: 734
Ion Ratio Lower Upper
142 100
127 36.9 35.7 53.5
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 4.081 ug/l
RT: 5.250 min Scan# 566
Delta R.T. 0.024 min
Lab File: VD069964.D
Acq: 03 Aug 2021 14:16

Tgt Ion: 59 Resp: 1333
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

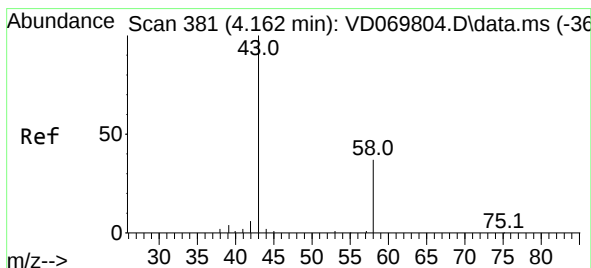
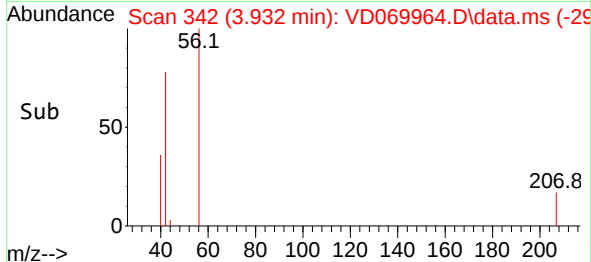
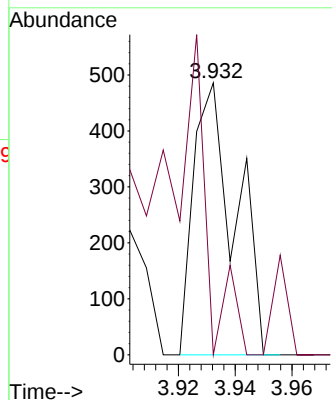
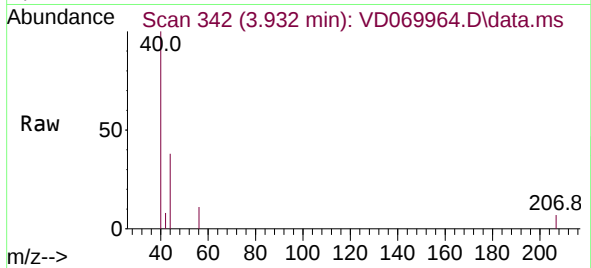




#13
Acrolein
Concen: 1.083 ug/l
RT: 3.932 min Scan# 342
Delta R.T. 0.006 min
Lab File: VD069964.D
Acq: 03 Aug 2021 14:16

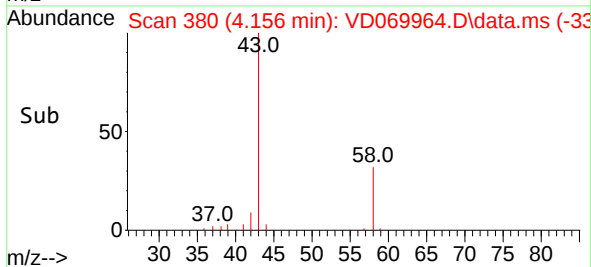
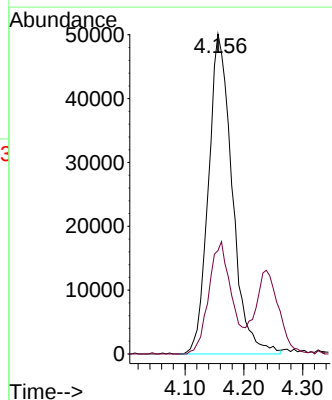
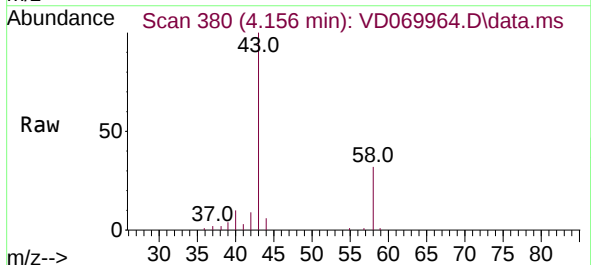
Instrument :
MSVOA_D
ClientSampled :

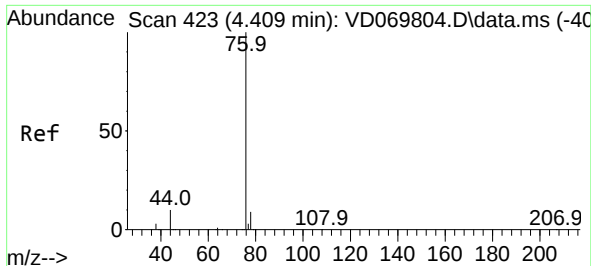
Tgt Ion: 56 Resp: 495
Ion Ratio Lower Upper
56 100
55 95.4 57.2 85.8#



#16
Acetone
Concen: 123.312 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069964.D
Acq: 03 Aug 2021 14:16

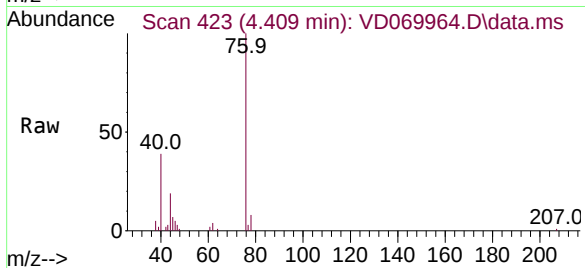
Tgt Ion: 43 Resp: 140613
Ion Ratio Lower Upper
43 100
58 32.3 29.4 44.0



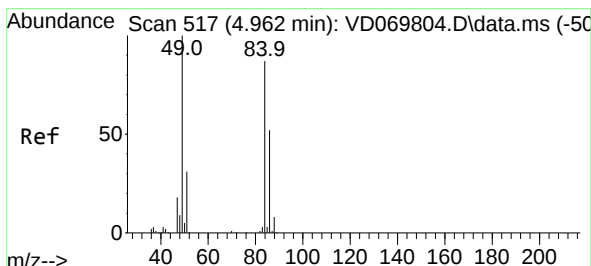
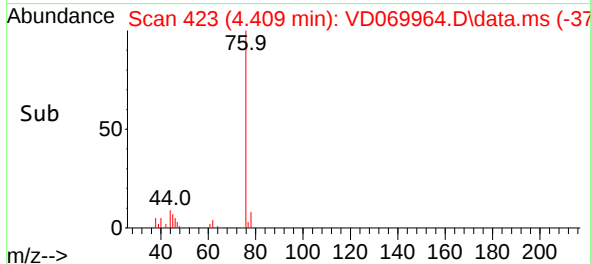
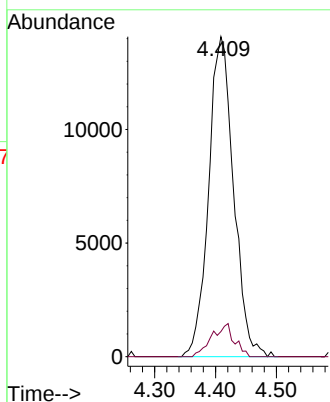


#17
Carbon Disulfide
Concen: 1.789 ug/l
RT: 4.409 min Scan# 423
Delta R.T. 0.000 min
Lab File: VD069964.D
Acq: 03 Aug 2021 14:16

Instrument :
MSVOA_D
ClientSampled :

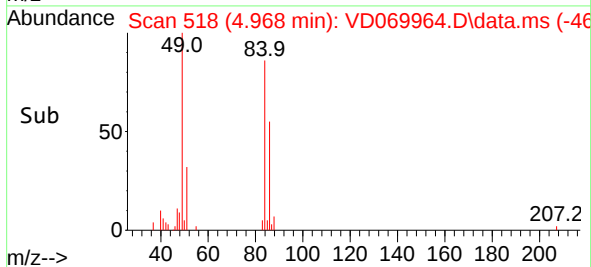
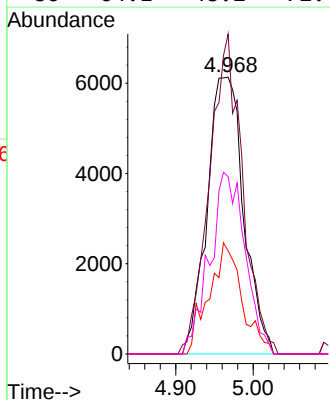
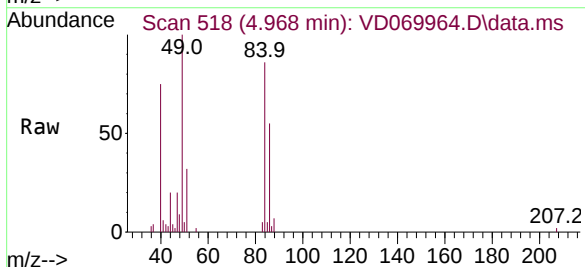


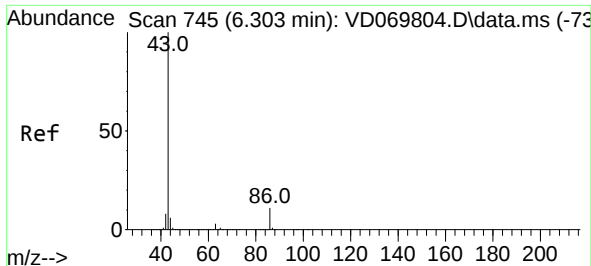
Tgt Ion: 76 Resp: 40160
Ion Ratio Lower Upper
76 100
78 7.9 7.3 10.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD069964.D
Acq: 03 Aug 2021 14:16

Tgt Ion: 84 Resp: 20145
Ion Ratio Lower Upper
84 100
49 115.6 92.4 138.6
51 37.3 28.5 42.7
86 64.1 48.2 72.4

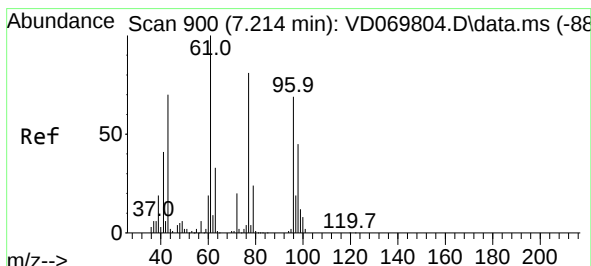
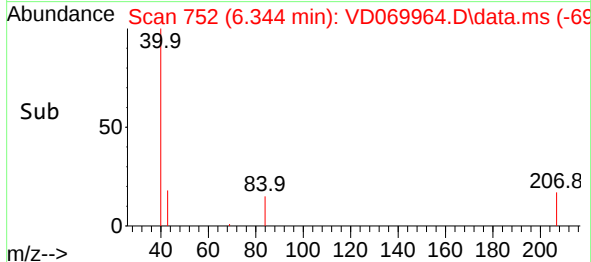
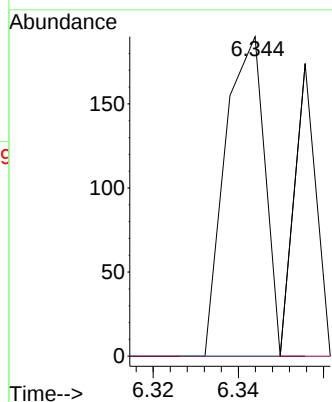
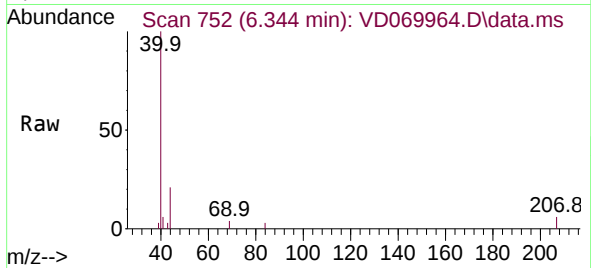




#23
 Vinyl Acetate
 Concen: 20.359 ug/l
 RT: 6.344 min Scan# 752
 Delta R.T. 0.041 min
 Lab File: VD069964.D
 Acq: 03 Aug 2021 14:16

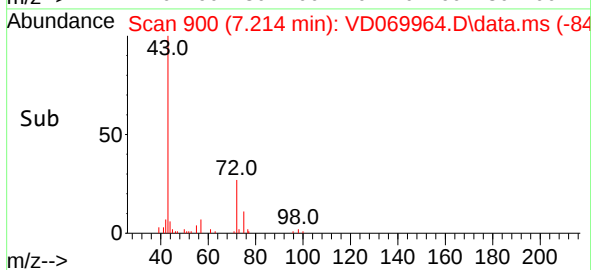
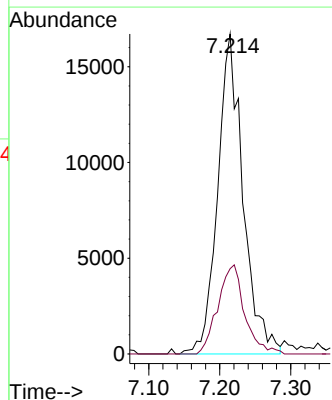
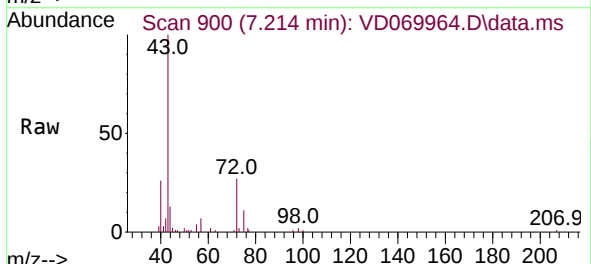
Instrument :
 MSVOA_D
 ClientSampled :

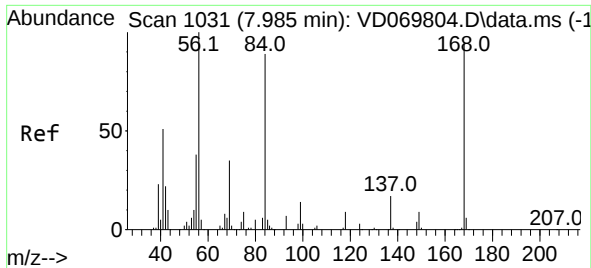
Tgt Ion: 43 Resp: 122
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#25
 2-Butanone
 Concen: 26.777 ug/l
 RT: 7.214 min Scan# 900
 Delta R.T. 0.000 min
 Lab File: VD069964.D
 Acq: 03 Aug 2021 14:16

Tgt Ion: 43 Resp: 41407
 Ion Ratio Lower Upper
 43 100
 72 26.7 22.8 34.2

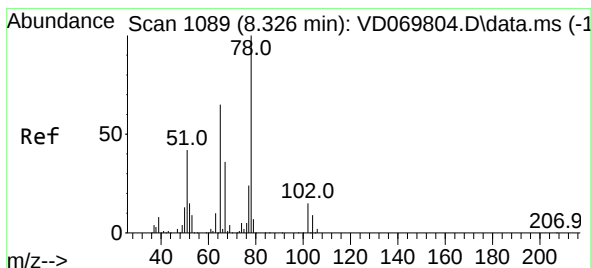
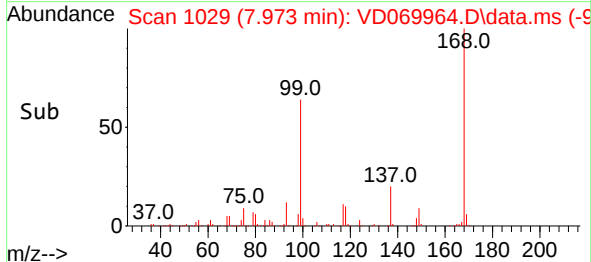
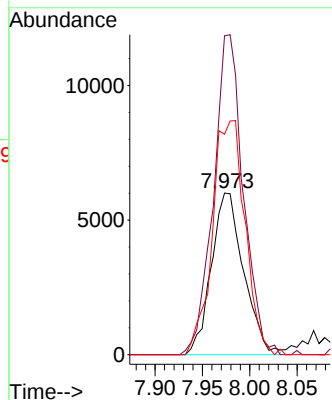
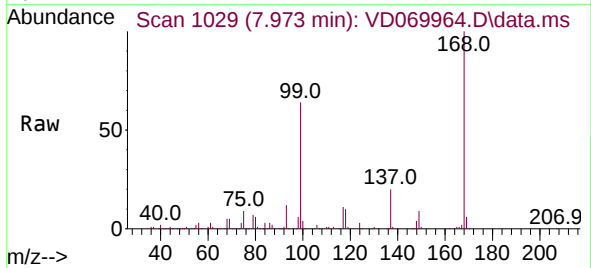




#31
Cyclohexane
Concen: 1.153 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069964.D
Acq: 03 Aug 2021 14:16

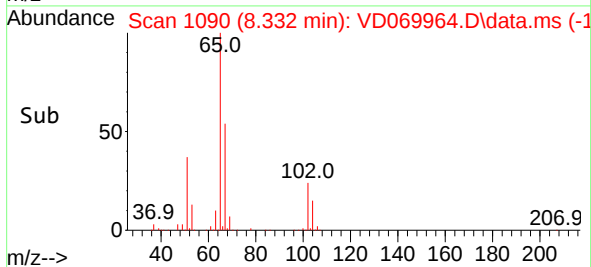
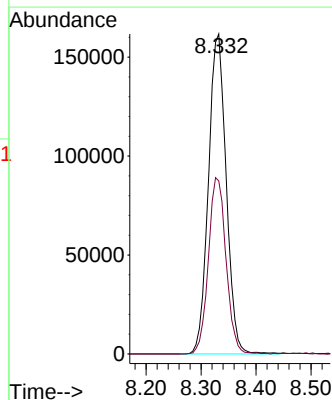
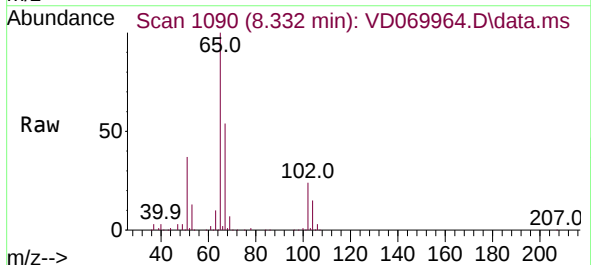
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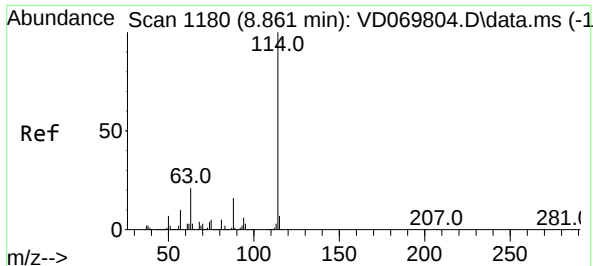
Tgt Ion: 56 Resp: 14220
Ion Ratio Lower Upper
56 100
69 197.3 27.9 41.9#
84 136.5 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 57.502 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069964.D
Acq: 03 Aug 2021 14:16

Tgt Ion: 65 Resp: 362972
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: VD069964.D

Acq: 03 Aug 2021 14:16

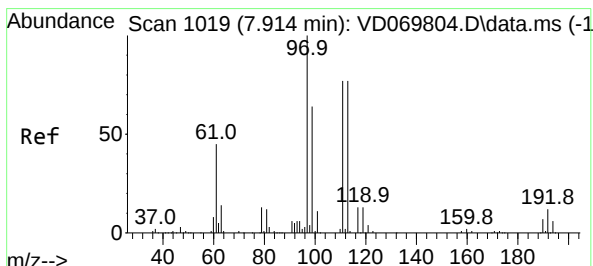
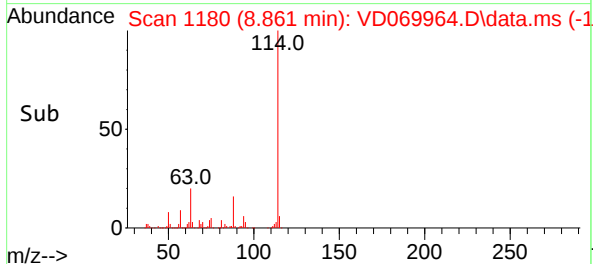
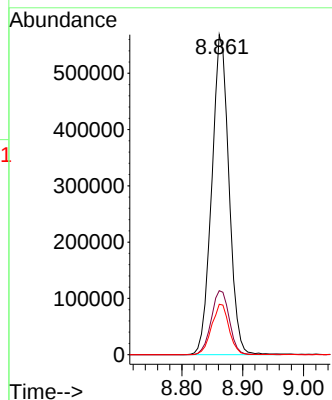
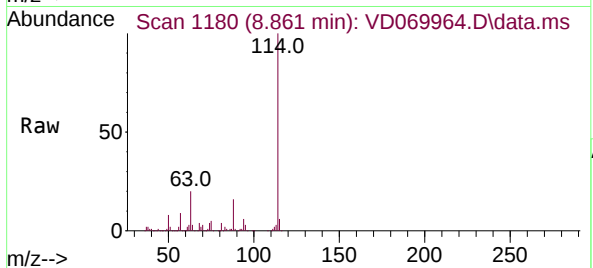
Tgt Ion:114 Resp: 1112552

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.6

88 15.8 0.0 31.4



#35

Dibromofluoromethane

Concen: 53.279 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069964.D

Acq: 03 Aug 2021 14:16

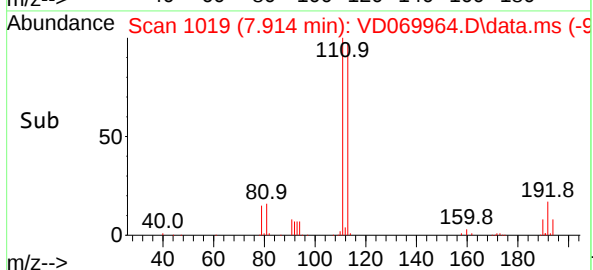
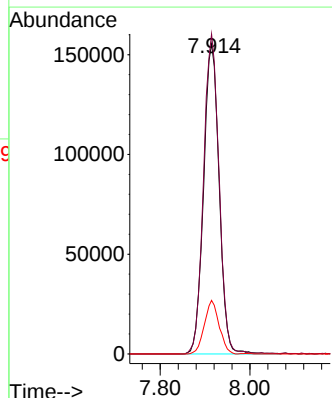
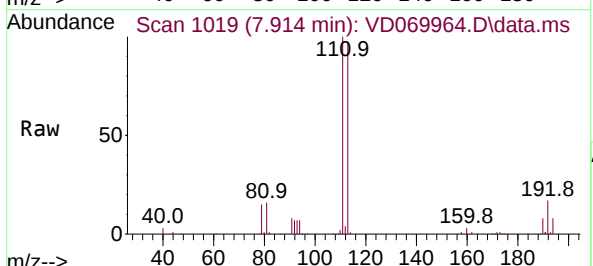
Tgt Ion:113 Resp: 373674

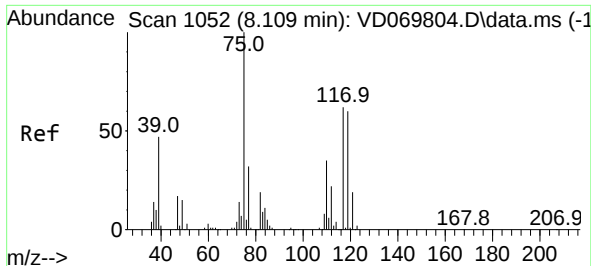
Ion Ratio Lower Upper

113 100

111 102.7 80.5 120.7

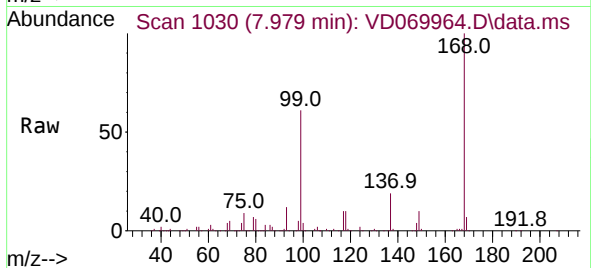
192 16.4 12.6 19.0



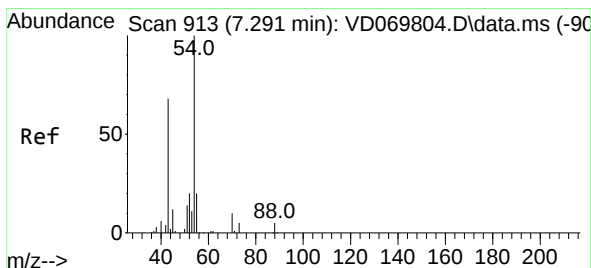
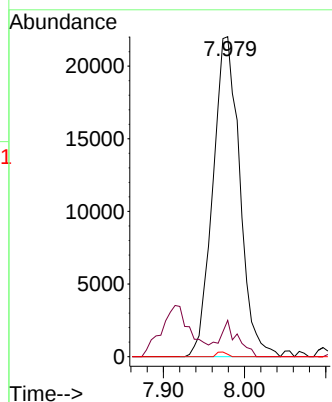
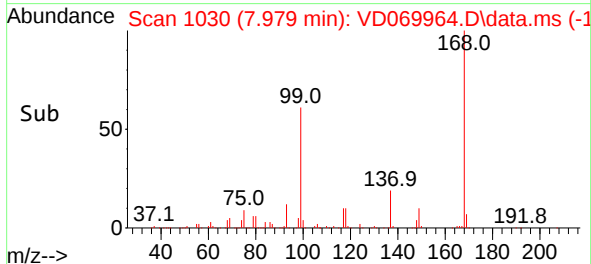


#36
1,1-Dichloropropene
Concen: 4.215 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069964.D
Acq: 03 Aug 2021 14:16

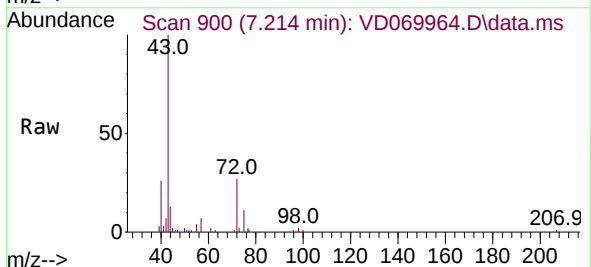
Instrument :
MSVOA_D
ClientSampled :



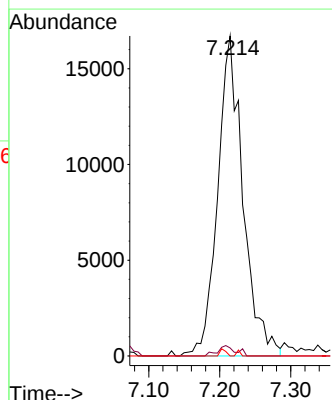
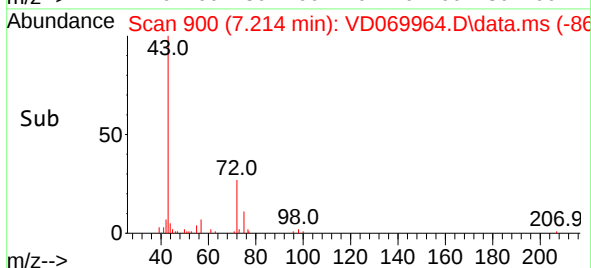
Tgt Ion: 75 Resp: 50609
Ion Ratio Lower Upper
75 100
110 7.6 16.9 50.7#
77 0.6 24.9 37.3#

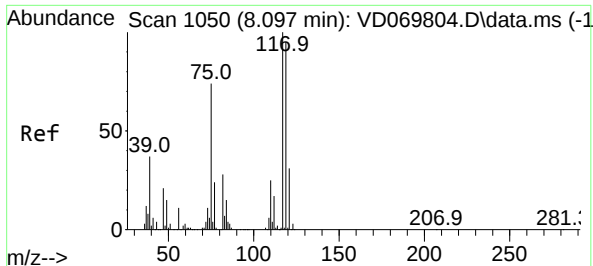


#37
Ethyl Acetate
Concen: 9.473 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.076 min
Lab File: VD069964.D
Acq: 03 Aug 2021 14:16



Tgt Ion: 43 Resp: 41407
Ion Ratio Lower Upper
43 100
61 2.3 11.8 17.8#
70 0.5 8.9 13.3#

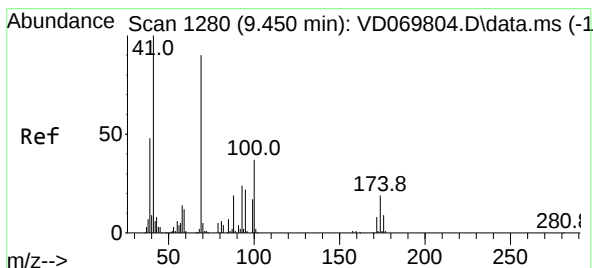
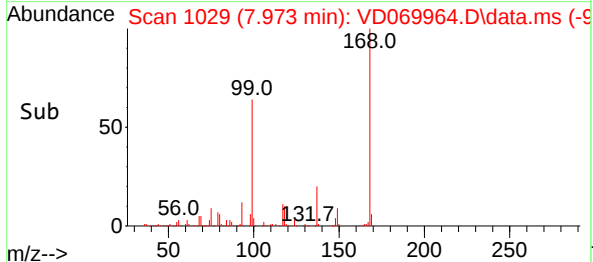
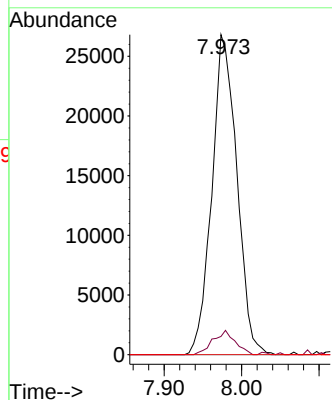
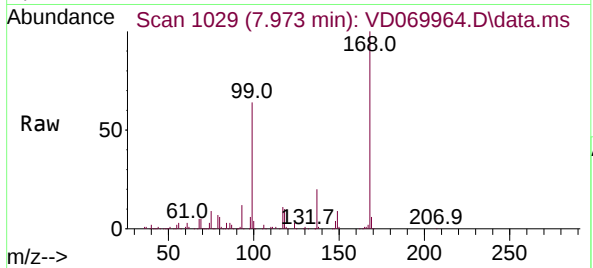




#38
Carbon Tetrachloride
Concen: 5.480 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069964.D
Acq: 03 Aug 2021 14:16

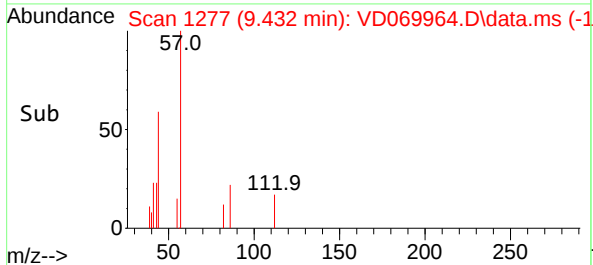
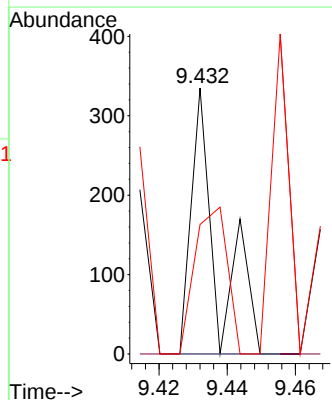
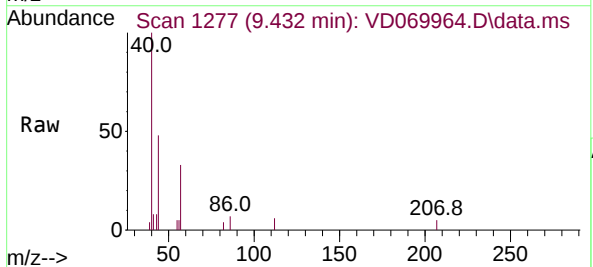
Instrument :
MSVOA_D
ClientSampleId :

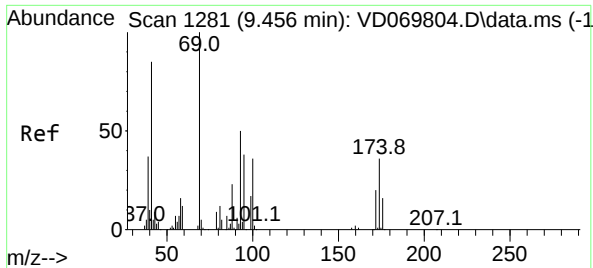
Tgt Ion:117 Resp: 60100
Ion Ratio Lower Upper
117 100
119 5.7 76.2 114.2#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 2.787 ug/l
RT: 9.432 min Scan# 1277
Delta R.T. -0.018 min
Lab File: VD069964.D
Acq: 03 Aug 2021 14:16

Tgt Ion: 41 Resp: 178
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 69.1 36.6 55.0#

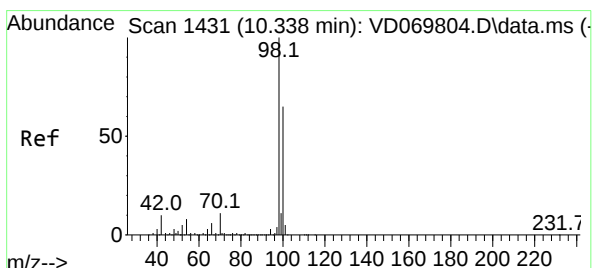
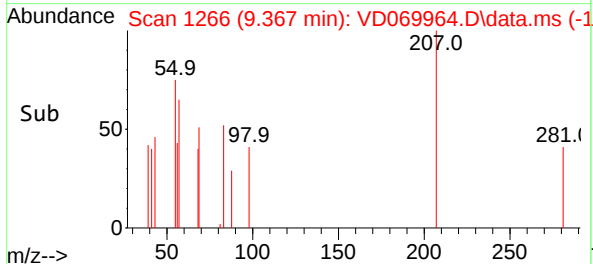
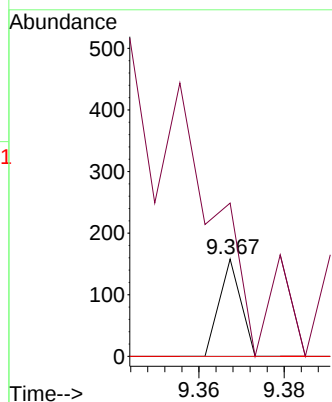
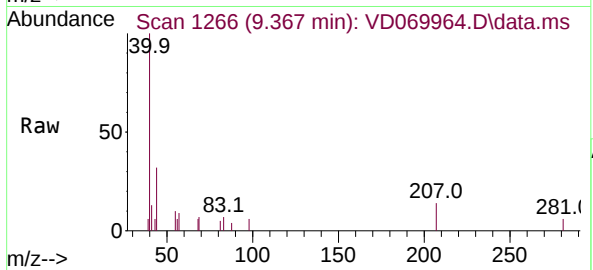




#49
1,4-Dioxane
Concen: 1.180 ug/l
RT: 9.367 min Scan# 1266
Delta R.T. -0.088 min
Lab File: VD069964.D
Acq: 03 Aug 2021 14:16

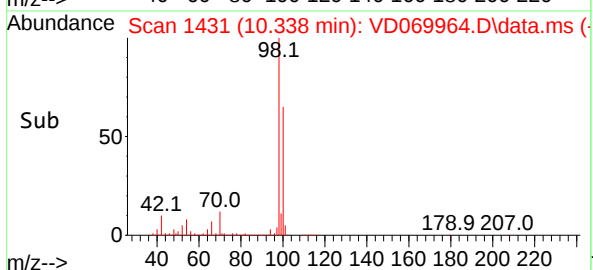
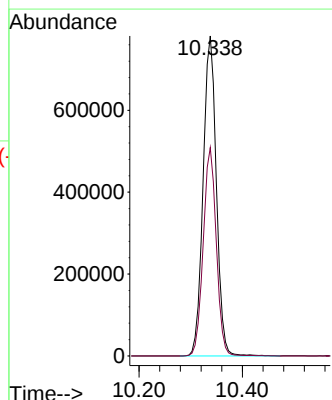
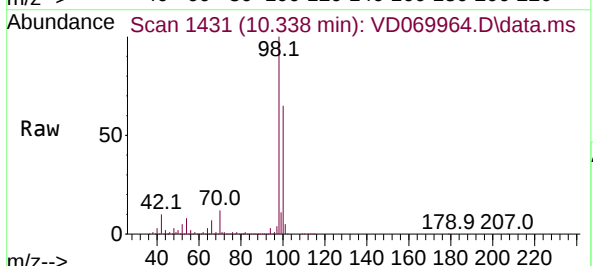
Instrument :
MSVOA_D
ClientSampled :

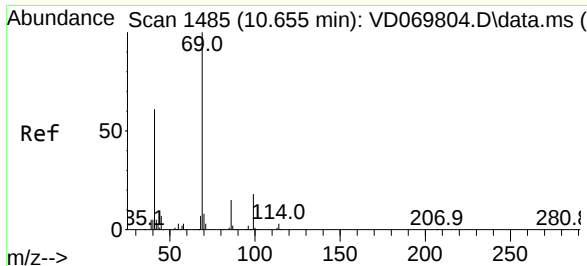
Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 0.0 26.8 40.2#
58 0.0 59.8 89.6#



#50
Toluene-d8
Concen: 51.379 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069964.D
Acq: 03 Aug 2021 14:16

Tgt Ion: 98 Resp: 1389491
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9

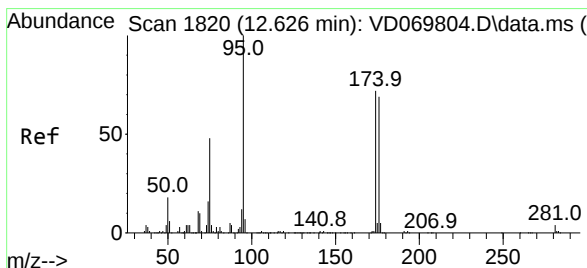
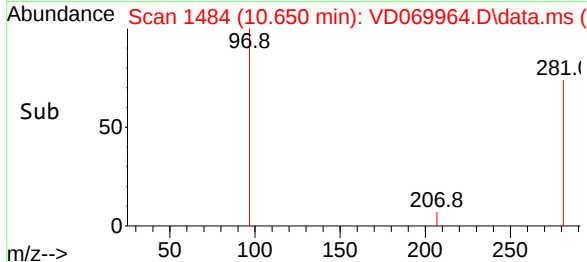
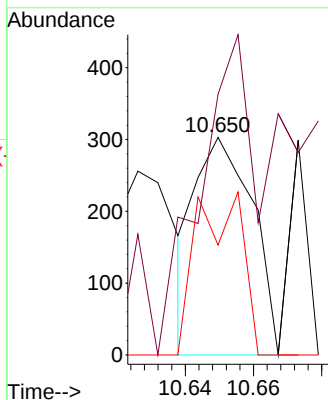
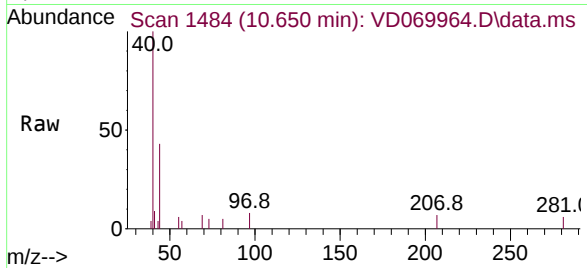




#56
Ethyl methacrylate
Concen: 3.938 ug/l
RT: 10.650 min Scan# 1484
Delta R.T. -0.005 min
Lab File: VD069964.D
Acq: 03 Aug 2021 14:16

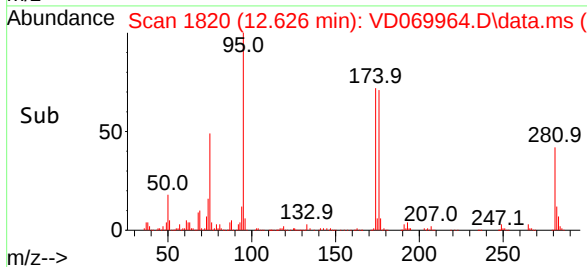
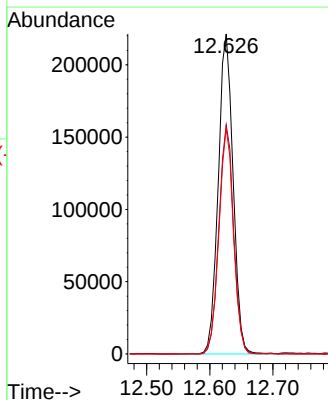
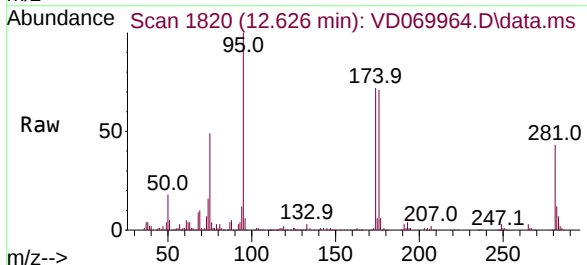
Instrument :
MSVOA_D
ClientSampleId :

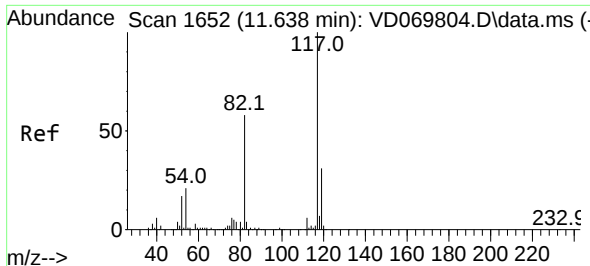
Tgt Ion: 69 Resp: 354
Ion Ratio Lower Upper
69 100
41 153.1 50.2 75.2#
39 59.9 22.0 33.0#



#62
4-Bromofluorobenzene
Concen: 40.057 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069964.D
Acq: 03 Aug 2021 14:16

Tgt Ion: 95 Resp: 362035
Ion Ratio Lower Upper
95 100
174 71.1 0.0 142.6
176 68.7 0.0 134.2

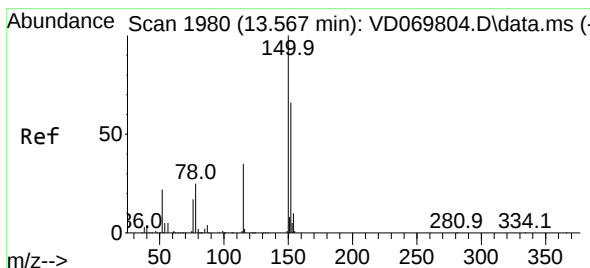
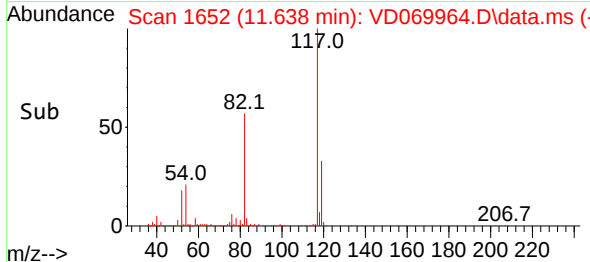
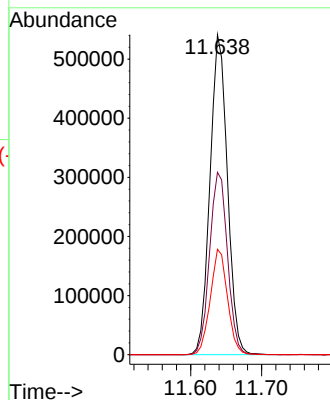
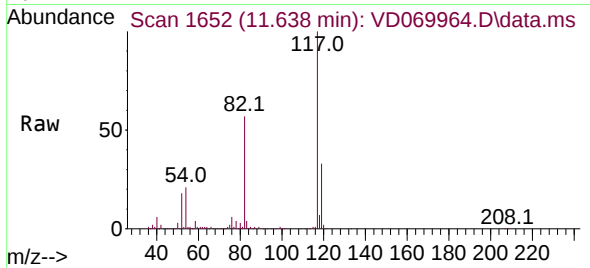




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD069964.D
Acq: 03 Aug 2021 14:16

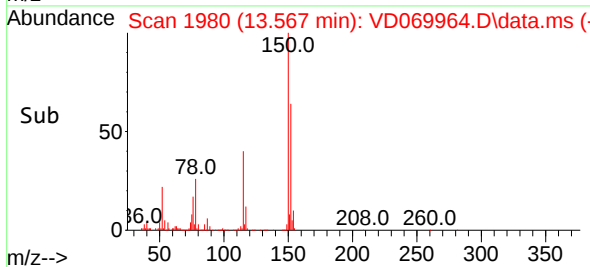
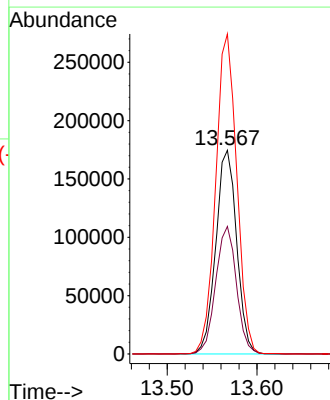
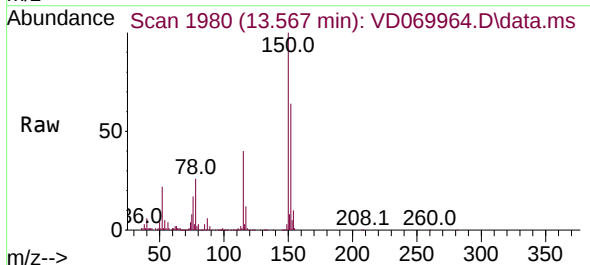
Instrument :
MSVOA_D
ClientSampleId :

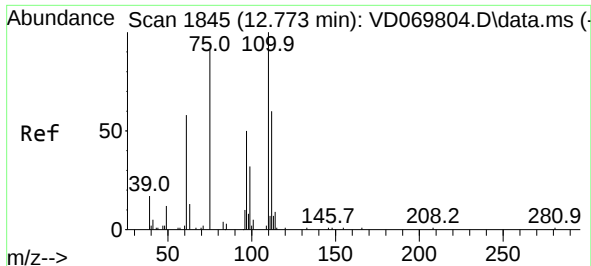
Tgt Ion:117 Resp: 924147
Ion Ratio Lower Upper
117 100
82 57.0 46.3 69.5
119 33.0 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069964.D
Acq: 03 Aug 2021 14:16

Tgt Ion:152 Resp: 282285
Ion Ratio Lower Upper
152 100
115 62.5 31.1 93.3
150 158.1 0.0 343.0

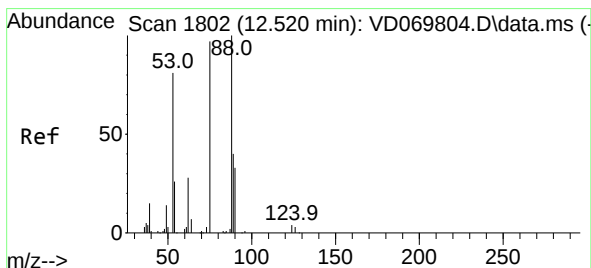
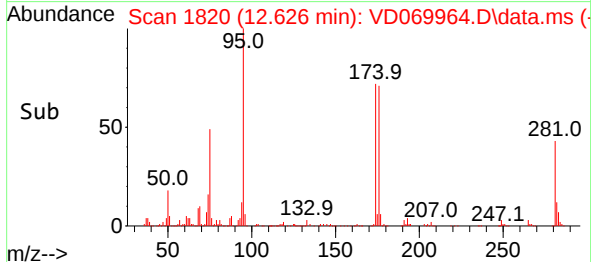
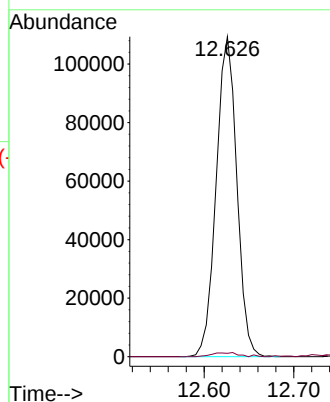
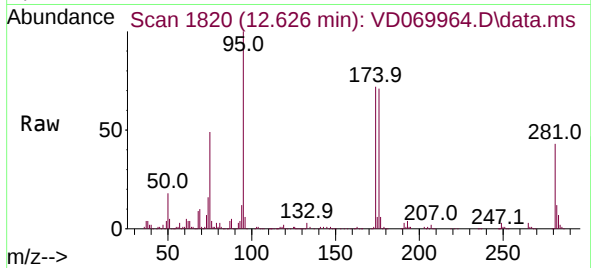




#76
1,2,3-Trichloropropane
Concen: 58.104 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069964.D
Acq: 03 Aug 2021 14:16

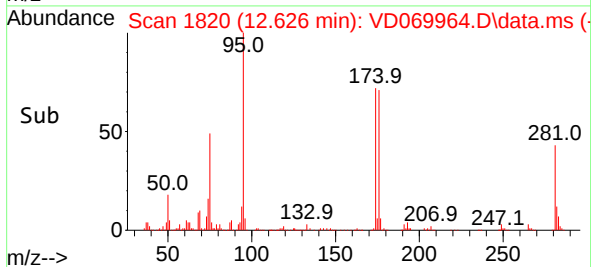
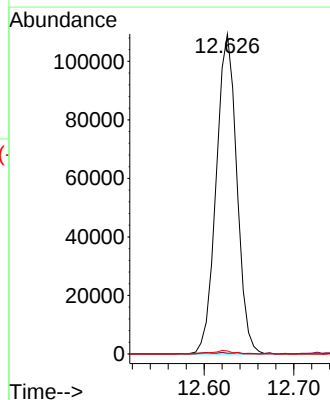
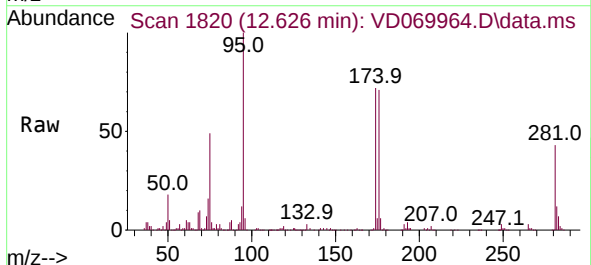
Instrument :
MSVOA_D
ClientSampled :

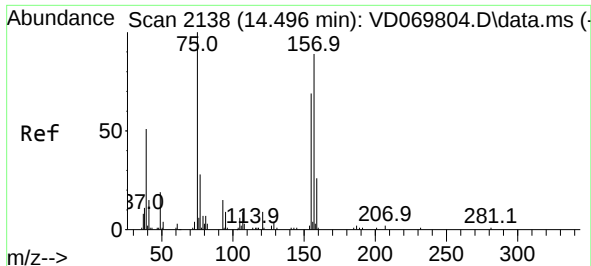
Tgt Ion: 75 Resp: 174341
Ion Ratio Lower Upper
75 100
77 1.5 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 176.273 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069964.D
Acq: 03 Aug 2021 14:16

Tgt Ion: 75 Resp: 174341
Ion Ratio Lower Upper
75 100
53 0.4 67.2 100.8#
89 1.1 35.8 53.6#

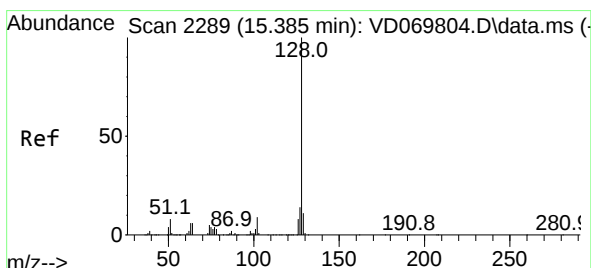
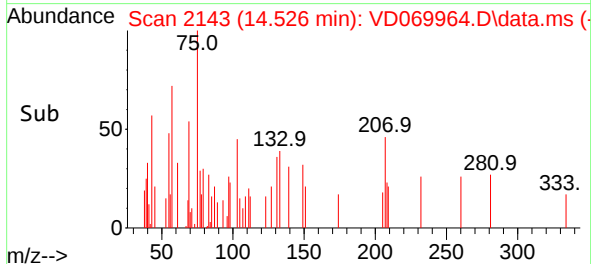
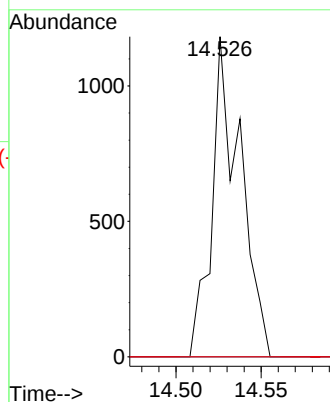
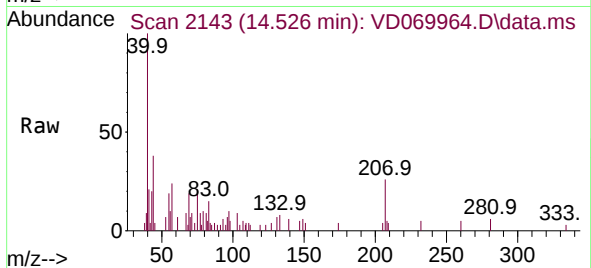




#92
1,2-Dibromo-3-Chloropropane
Concen: 2.349 ug/l
RT: 14.526 min Scan# 2143
Delta R.T. 0.029 min
Lab File: VD069964.D
Acq: 03 Aug 2021 14:16

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 1370
Ion Ratio Lower Upper
75 100
155 0.0 36.3 108.9#
157 0.0 47.0 141.0#



#95
Naphthalene
Concen: 5.160 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD069964.D
Acq: 03 Aug 2021 14:16

Tgt Ion: 128 Resp: 1653
Ion Ratio Lower Upper
128 100
127 4.7 10.6 16.0#
129 0.0 8.6 12.8#

