

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080321\
 Data File : VD069968.D
 Acq On : 03 Aug 2021 16:10
 Operator : VA/SY
 Sample : M3268-09
 Misc : 8.34G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 04 01:33:04 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)

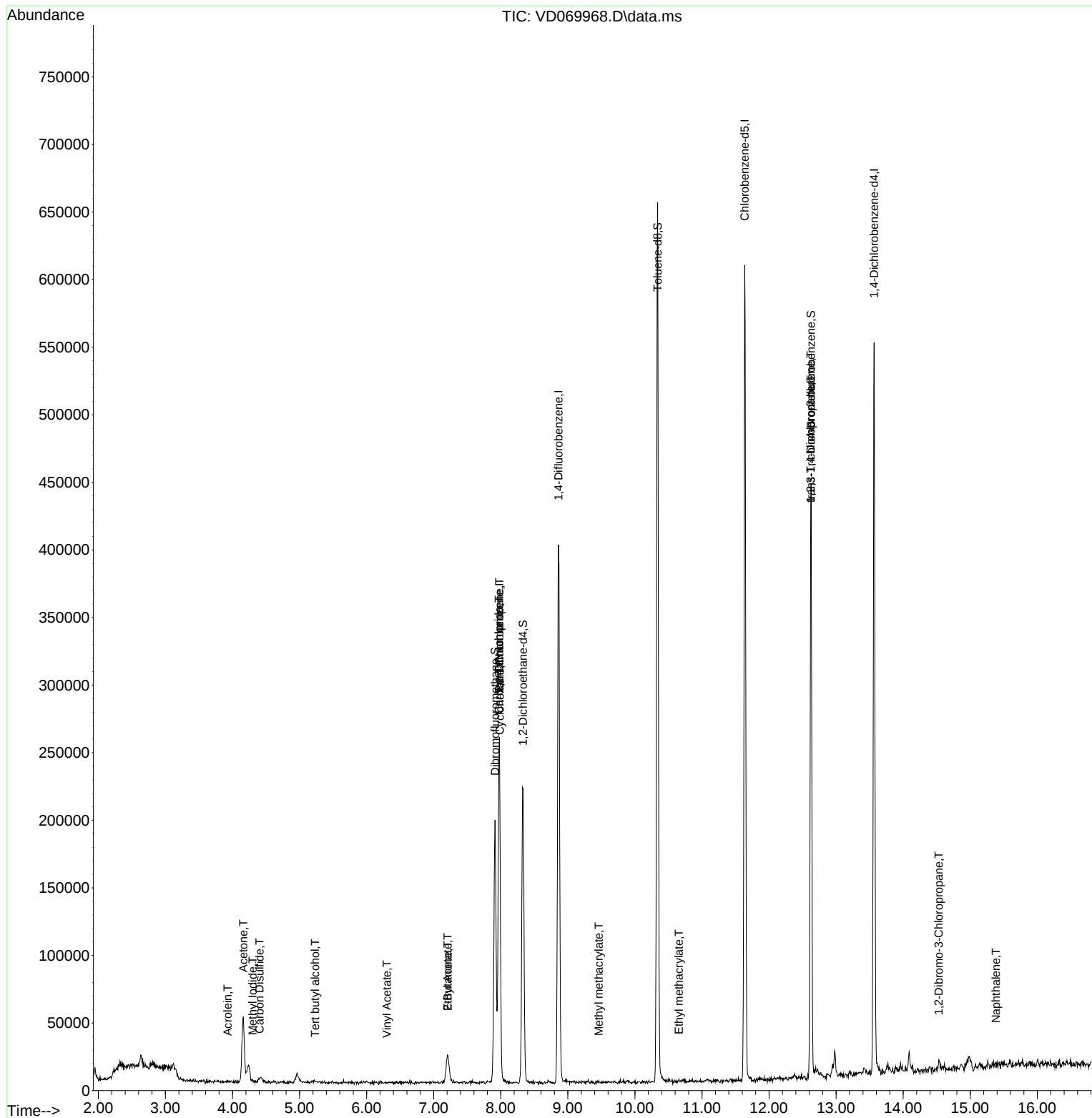
Internal Standards						
1) Pentafluorobenzene	7.979	168	179909	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	351654	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	357589	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	142889	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	176302	85.206	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 170.420%#			
35) Dibromofluoromethane	7.914	113	139896	63.106	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 126.220%			
50) Toluene-d8	10.337	98	455260	53.260	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.520%			
62) 4-Bromofluorobenzene	12.625	95	149631	52.378	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.760%			
Target Compounds					Qvalue	
5) Bromomethane	2.773	94	1929	Below Cal	#	61
10) Methyl Iodide	4.302	142	549	3.691	ug/l #	58
11) Tert butyl alcohol	5.232	59	678	6.333	ug/l #	80
13) Acrolein	3.926	56	413	2.756	ug/l #	67
16) Acetone	4.161	43	81757	218.732	ug/l	88
17) Carbon Disulfide	4.402	76	7395	1.005	ug/l	96
20) Methylene Chloride	4.955	84	5218	Below Cal	#	82
23) Vinyl Acetate	6.302	43	72	20.368	ug/l #	71
25) 2-Butanone	7.208	43	26808	52.887	ug/l #	86
31) Cyclohexane	7.985	56	4412	1.091	ug/l #	6
36) 1,1-Dichloropropene	7.979	75	15950	4.203	ug/l #	51
37) Ethyl Acetate	7.208	43	26808	19.405	ug/l #	68
38) Carbon Tetrachloride	7.973	117	20067	5.789	ug/l #	17
48) Methyl methacrylate	9.461	41	62	2.791	ug/l #	13
56) Ethyl methacrylate	10.655	69	55	3.916	ug/l #	28
76) 1,2,3-Trichloropropane	12.620	75	72998	48.063	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	72998	145.810	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.531	75	1809	6.127	ug/l #	7
95) Naphthalene	15.384	128	938	5.179	ug/l #	78

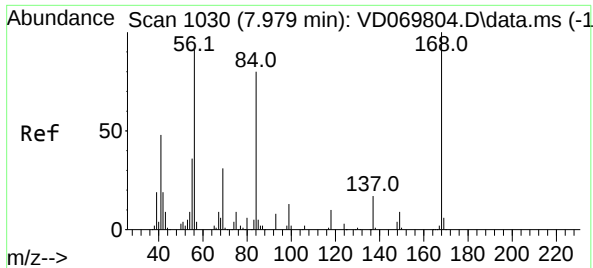
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 23 04:51:13 2021
Response via : Initial Calibration

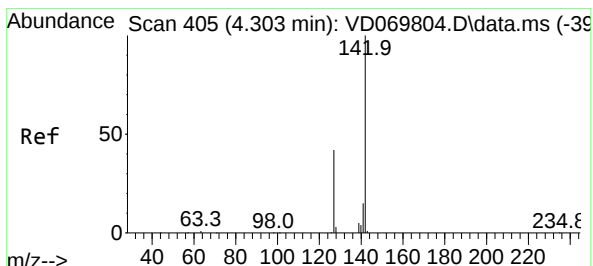
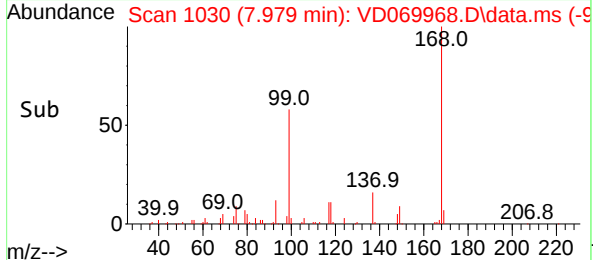
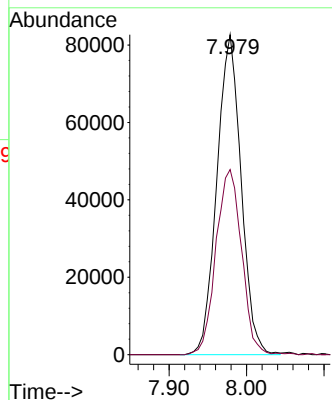
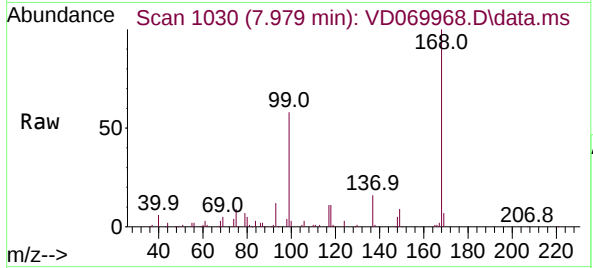




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069968.D
Acq: 03 Aug 2021 16:10

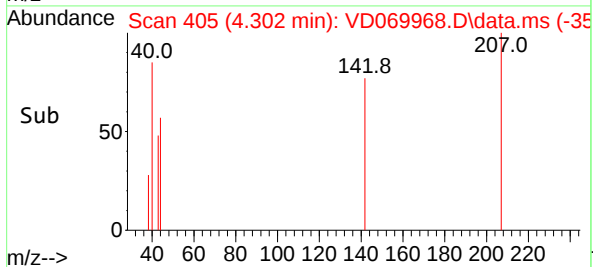
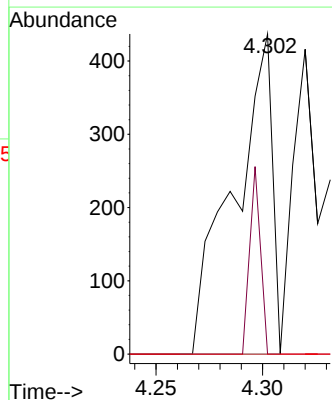
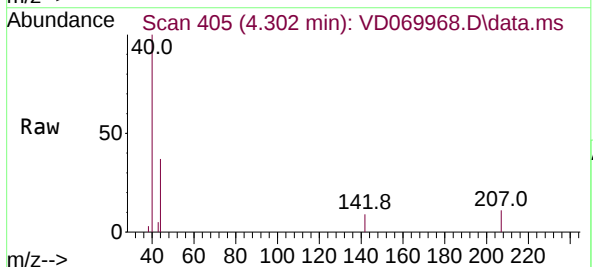
Instrument :
MSVOA_D
ClientSampled :

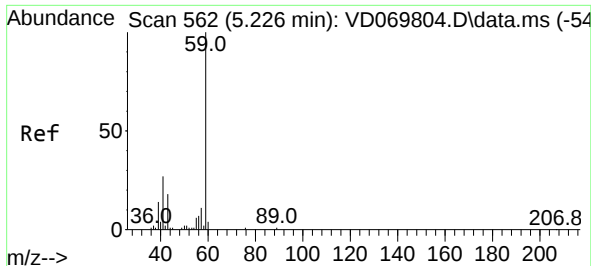
Tgt Ion:168 Resp: 179909
Ion Ratio Lower Upper
168 100
99 57.9 51.1 76.7



#10
Methyl Iodide
Concen: 3.691 ug/l
RT: 4.302 min Scan# 405
Delta R.T. -0.001 min
Lab File: VD069968.D
Acq: 03 Aug 2021 16:10

Tgt Ion:142 Resp: 549
Ion Ratio Lower Upper
142 100
127 16.4 35.7 53.5#
141 0.0 12.0 18.0#

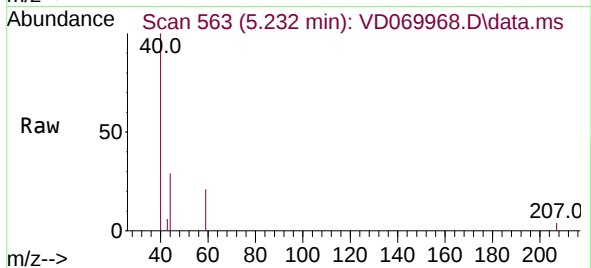




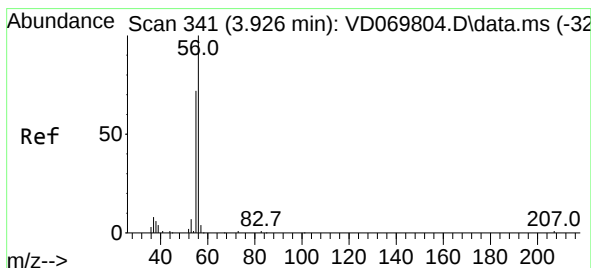
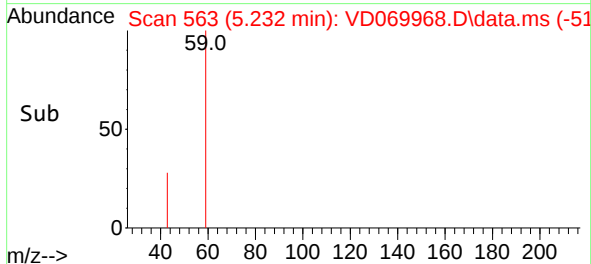
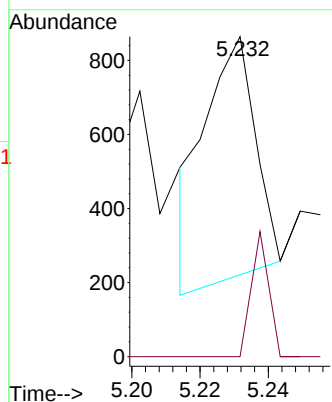
#11

Tert butyl alcohol
Concen: 6.333 ug/l
RT: 5.232 min Scan# 563
Delta R.T. 0.005 min
Lab File: VD069968.D
Acq: 03 Aug 2021 16:10

Instrument :
MSVOA_D
ClientSampled :



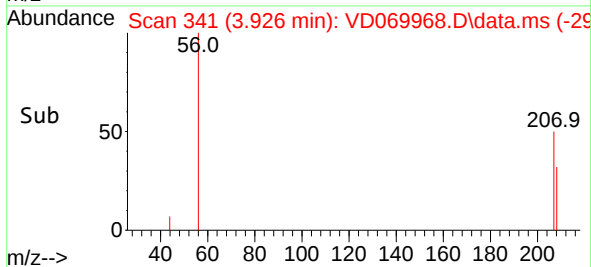
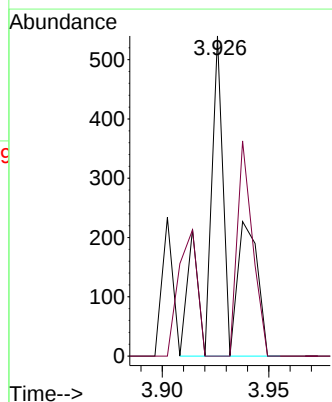
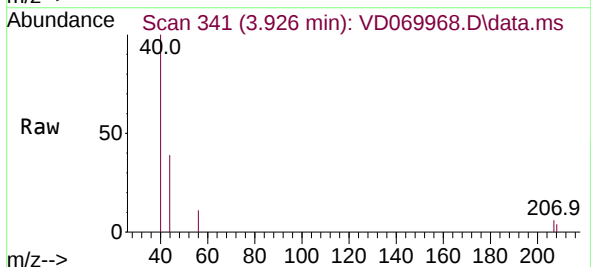
Tgt Ion: 59 Resp: 678
Ion Ratio Lower Upper
59 100
57 17.6 8.1 12.1#

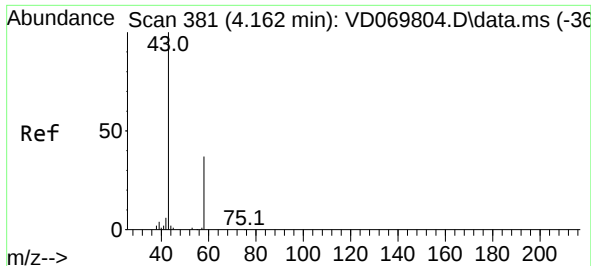


#13

Acrolein
Concen: 2.756 ug/l
RT: 3.926 min Scan# 341
Delta R.T. -0.001 min
Lab File: VD069968.D
Acq: 03 Aug 2021 16:10

Tgt Ion: 56 Resp: 413
Ion Ratio Lower Upper
56 100
55 44.1 57.2 85.8#

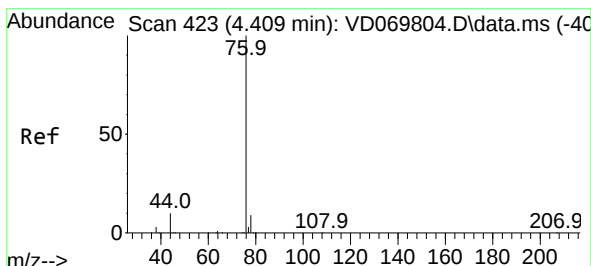
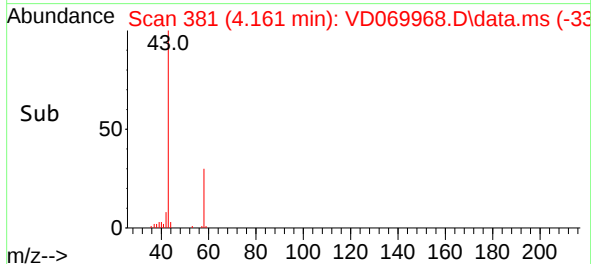
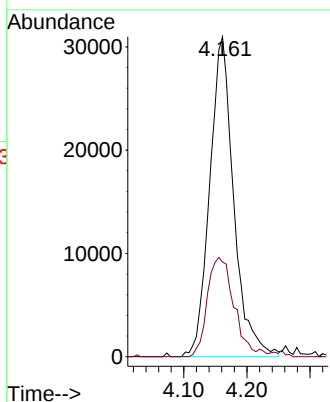
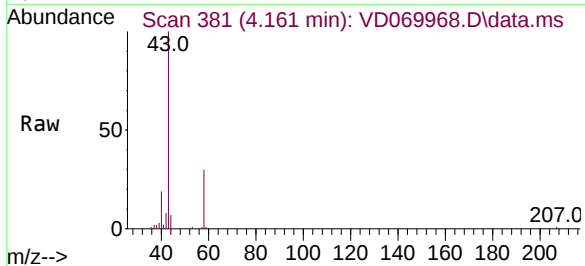




#16
Acetone
Concen: 218.732 ug/l
RT: 4.161 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD069968.D
Acq: 03 Aug 2021 16:10

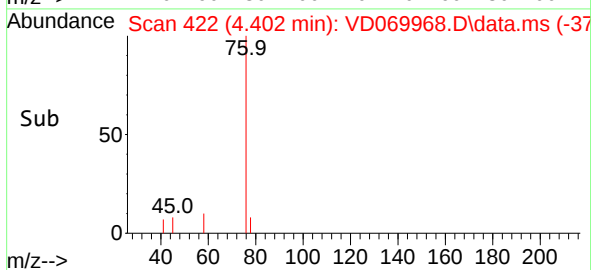
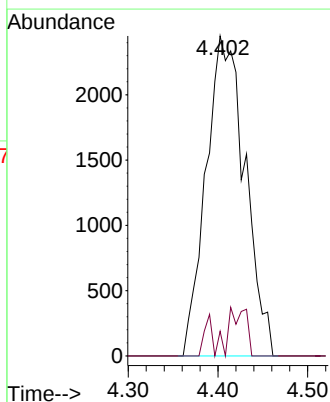
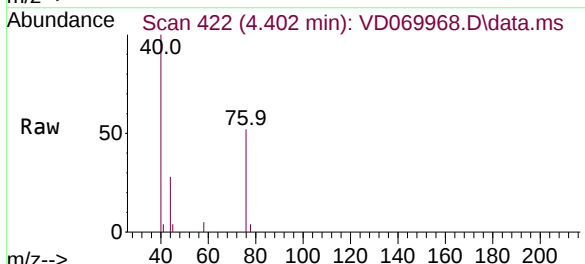
Instrument :
MSVOA_D
ClientSampled :

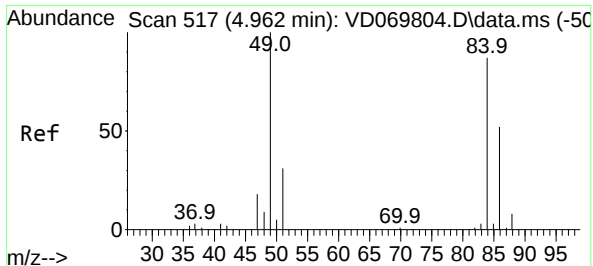
Tgt Ion: 43 Resp: 81757
Ion Ratio Lower Upper
43 100
58 29.5 29.4 44.0



#17
Carbon Disulfide
Concen: 1.005 ug/l
RT: 4.402 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD069968.D
Acq: 03 Aug 2021 16:10

Tgt Ion: 76 Resp: 7395
Ion Ratio Lower Upper
76 100
78 7.7 7.3 10.9





#20

Methylene Chloride

Concen: Below Cal

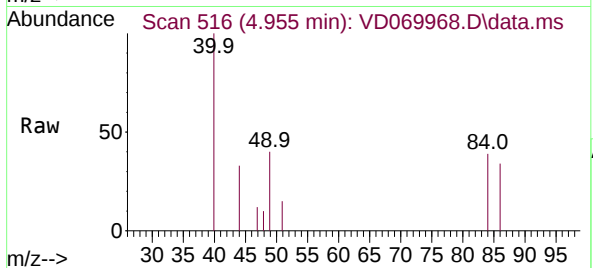
RT: 4.955 min Scan# 516

Delta R.T. -0.007 min

Lab File: VD069968.D

Acq: 03 Aug 2021 16:10

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 5218

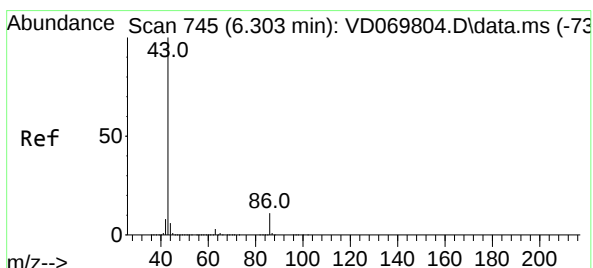
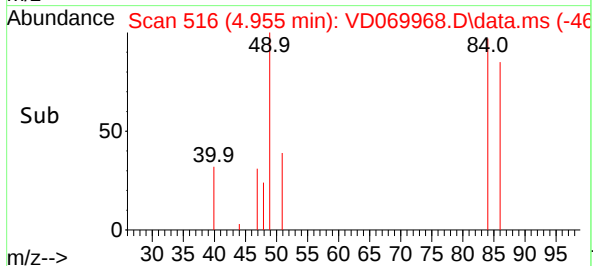
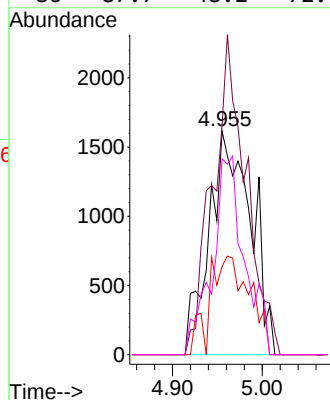
Ion Ratio Lower Upper

84 100

49 103.0 92.4 138.6

51 39.7 28.5 42.7

86 87.7 48.2 72.4#



#23

Vinyl Acetate

Concen: 20.368 ug/l

RT: 6.302 min Scan# 745

Delta R.T. -0.001 min

Lab File: VD069968.D

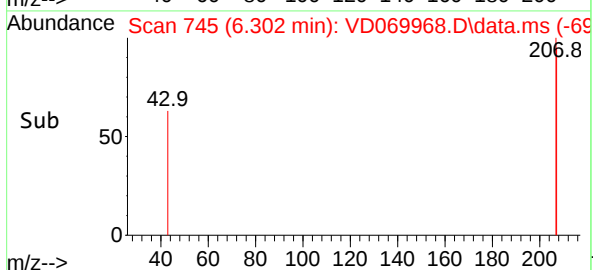
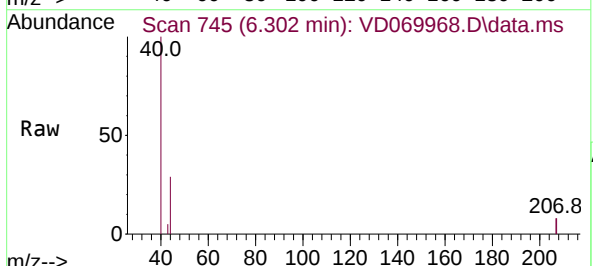
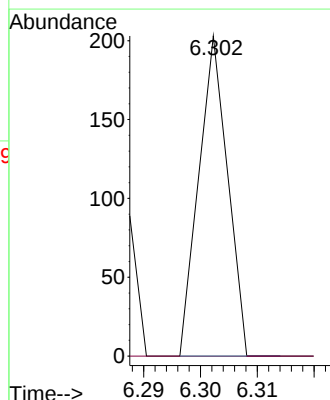
Acq: 03 Aug 2021 16:10

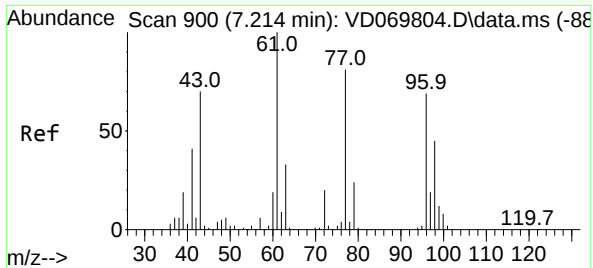
Tgt Ion: 43 Resp: 72

Ion Ratio Lower Upper

43 100

86 0.0 8.6 13.0#

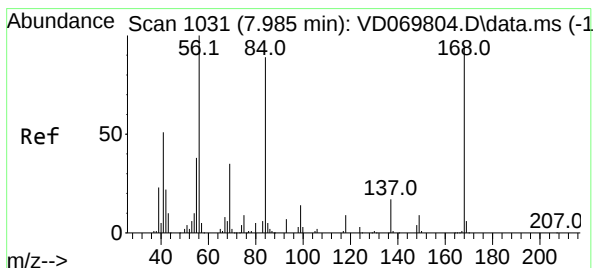
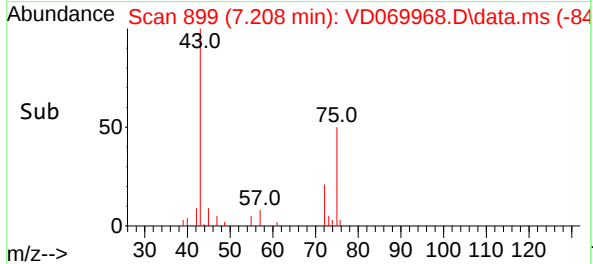
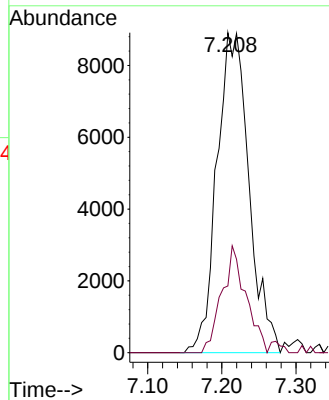
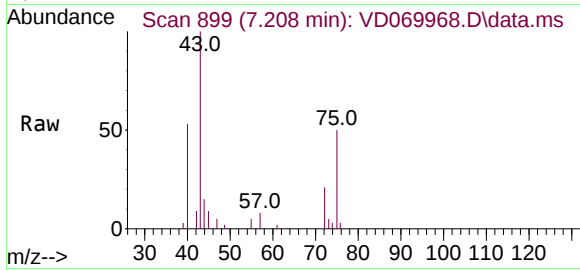




#25
2-Butanone
Concen: 52.887 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD069968.D
Acq: 03 Aug 2021 16:10

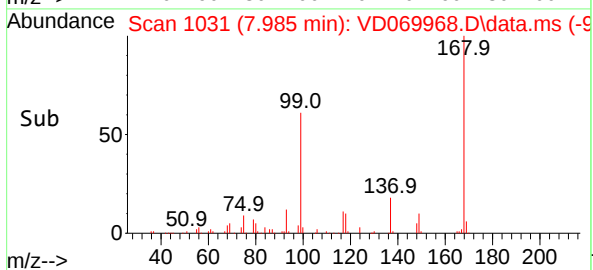
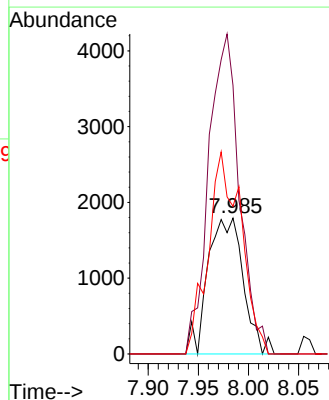
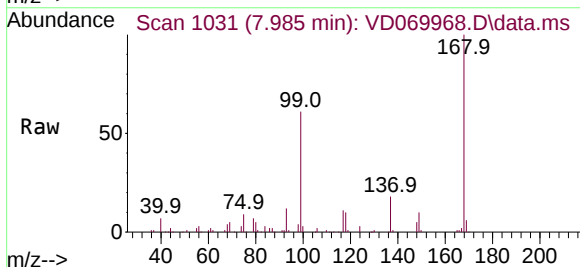
Instrument :
MSVOA_D
ClientSampled :

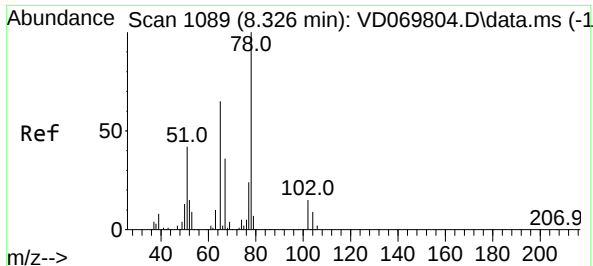
Tgt Ion: 43 Resp: 26808
Ion Ratio Lower Upper
43 100
72 20.9 22.8 34.2#



#31
Cyclohexane
Concen: 1.091 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD069968.D
Acq: 03 Aug 2021 16:10

Tgt Ion: 56 Resp: 4412
Ion Ratio Lower Upper
56 100
69 197.8 27.9 41.9#
84 108.8 71.4 107.2#

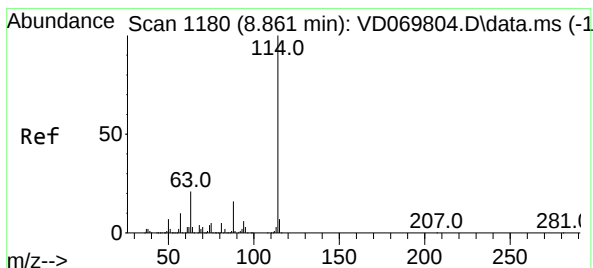
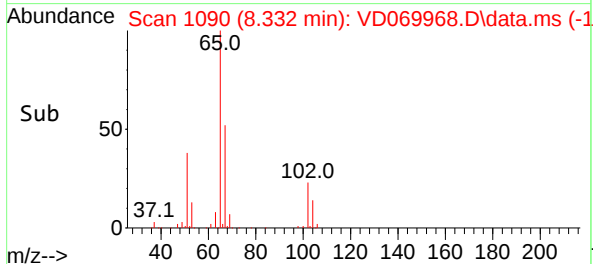
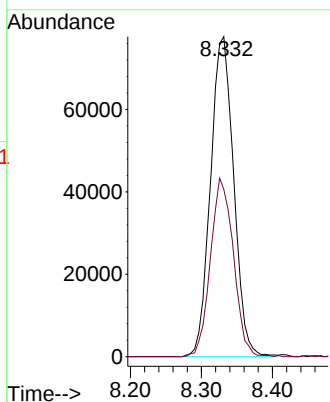
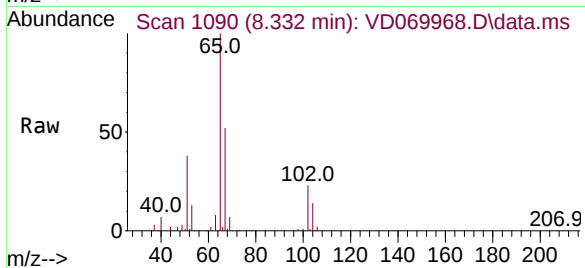




#33
 1,2-Dichloroethane-d4
 Concen: 85.206 ug/l
 RT: 8.332 min Scan# 1090
 Delta R.T. 0.005 min
 Lab File: VD069968.D
 Acq: 03 Aug 2021 16:10

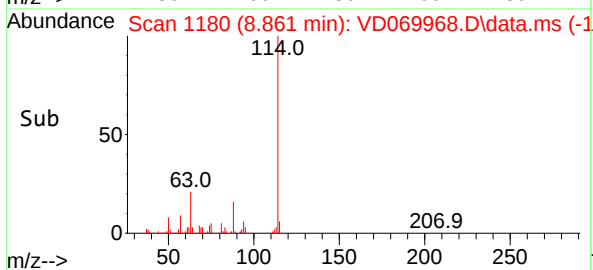
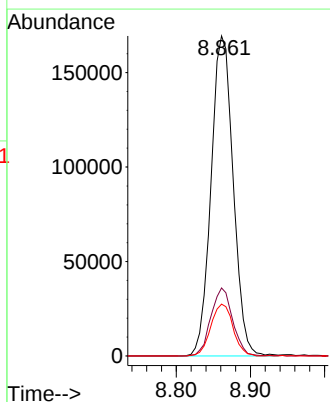
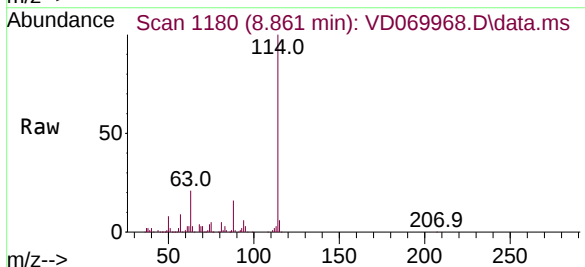
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 MSVOA_D
 ClientSampled :

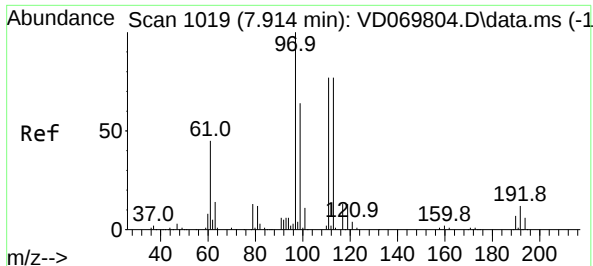
Tgt Ion: 65 Resp: 176302
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.861 min Scan# 1180
 Delta R.T. -0.000 min
 Lab File: VD069968.D
 Acq: 03 Aug 2021 16:10

Tgt Ion: 114 Resp: 351654
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 41.6
 88 16.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 63.106 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069968.D

Acq: 03 Aug 2021 16:10

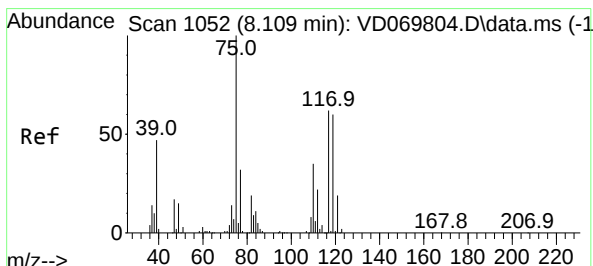
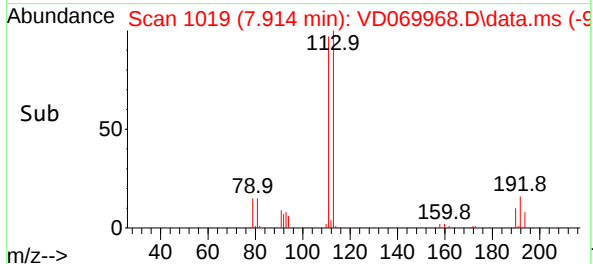
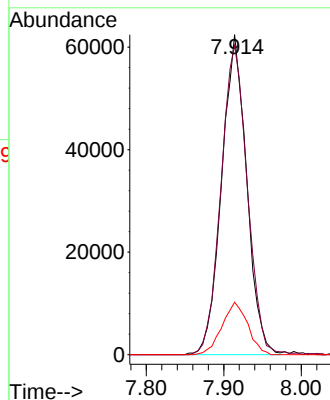
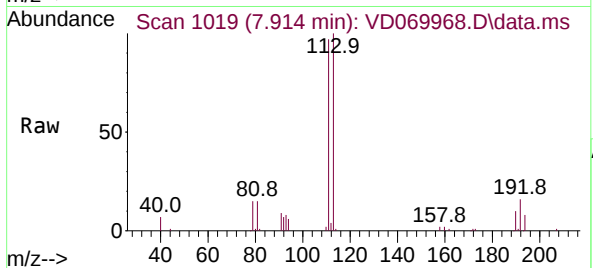
Tgt Ion:113 Resp: 139896

Ion Ratio Lower Upper

113 100

111 102.0 80.5 120.7

192 16.9 12.6 19.0



#36

1,1-Dichloropropene

Concen: 4.203 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.130 min

Lab File: VD069968.D

Acq: 03 Aug 2021 16:10

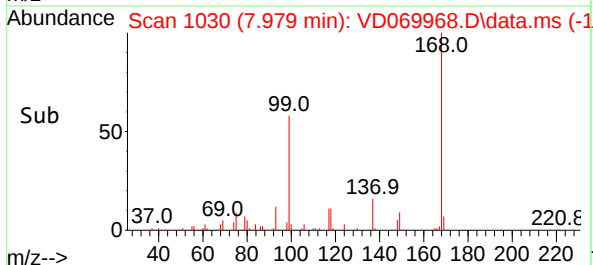
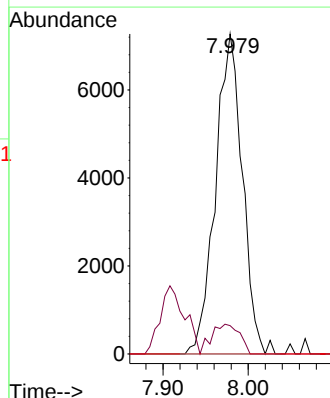
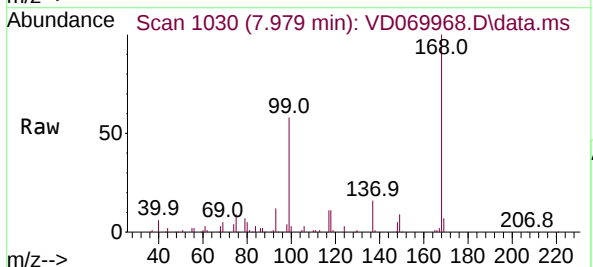
Tgt Ion: 75 Resp: 15950

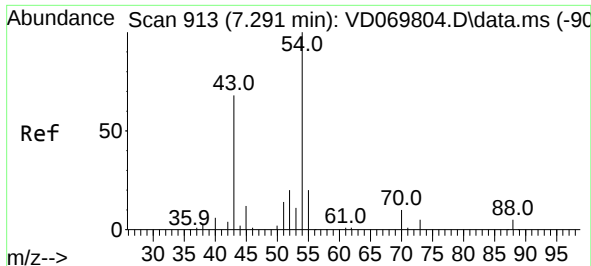
Ion Ratio Lower Upper

75 100

110 9.7 16.9 50.7#

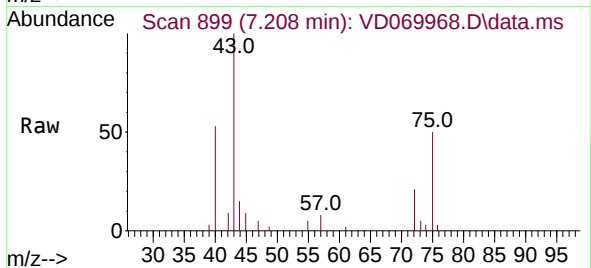
77 0.0 24.9 37.3#



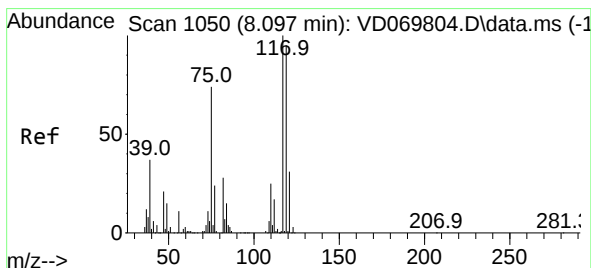
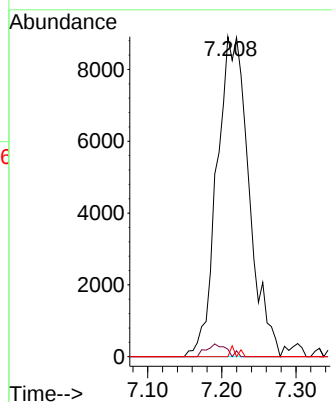
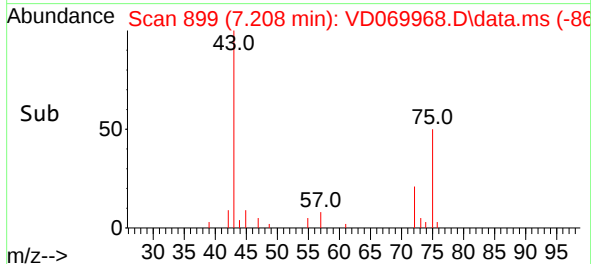


#37
Ethyl Acetate
Concen: 19.405 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.083 min
Lab File: VD069968.D
Acq: 03 Aug 2021 16:10

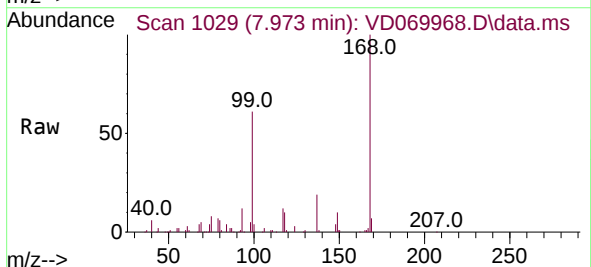
Instrument :
MSVOA_D
ClientSampleId :



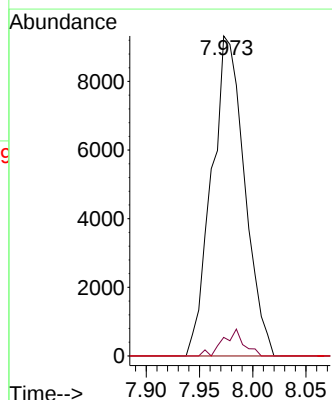
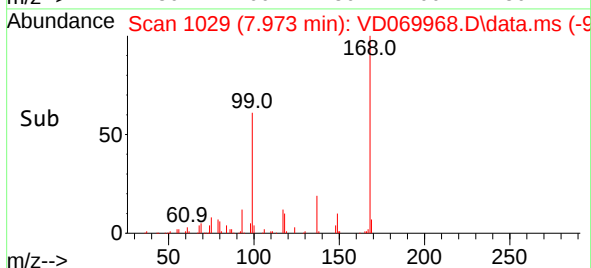
Tgt Ion: 43 Resp: 26808
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.8#
70 0.6 8.9 13.3#

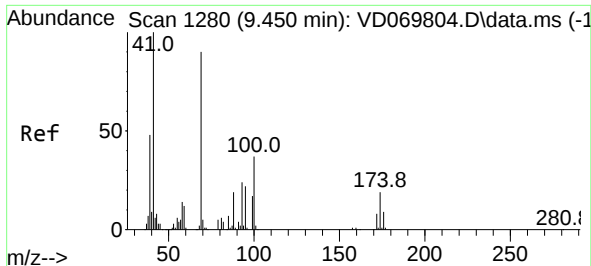


#38
Carbon Tetrachloride
Concen: 5.789 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069968.D
Acq: 03 Aug 2021 16:10



Tgt Ion: 117 Resp: 20067
Ion Ratio Lower Upper
117 100
119 5.8 76.2 114.2#
121 0.0 24.5 36.7#

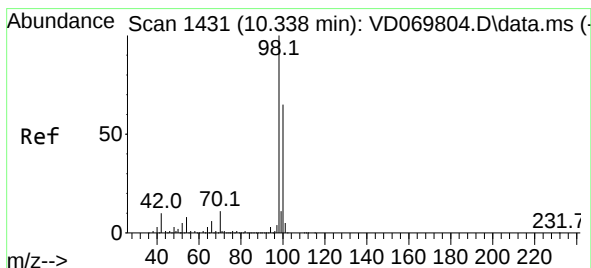
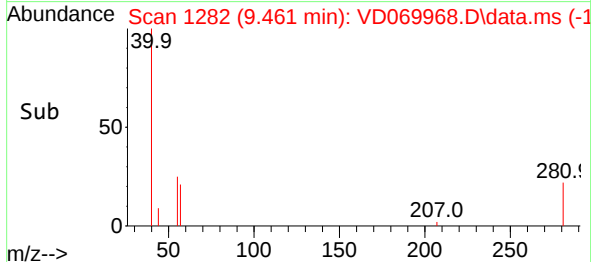
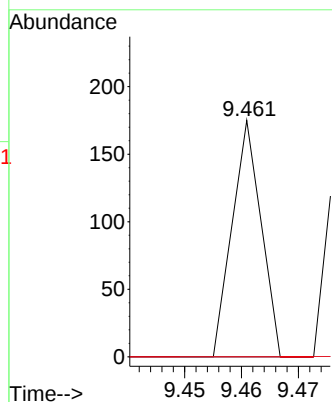
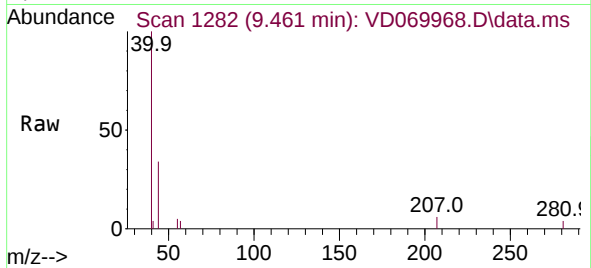




#48
Methyl methacrylate
Concen: 2.791 ug/l
RT: 9.461 min Scan# 1282
Delta R.T. 0.011 min
Lab File: VD069968.D
Acq: 03 Aug 2021 16:10

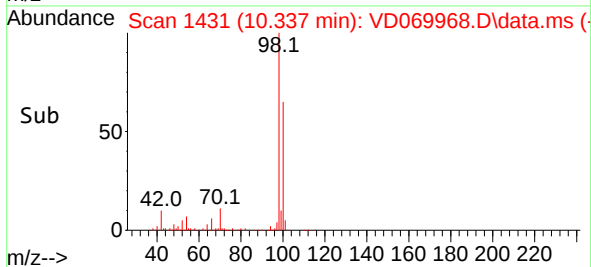
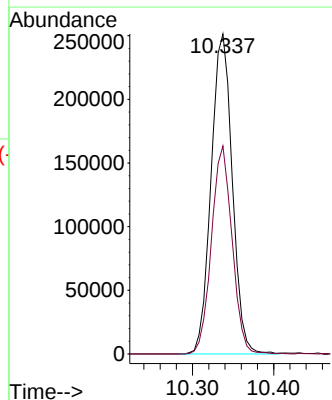
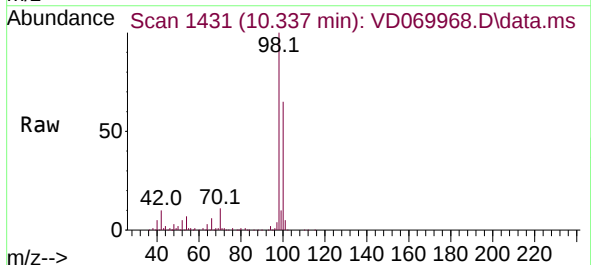
Instrument :
MSVOA_D
ClientSampled :

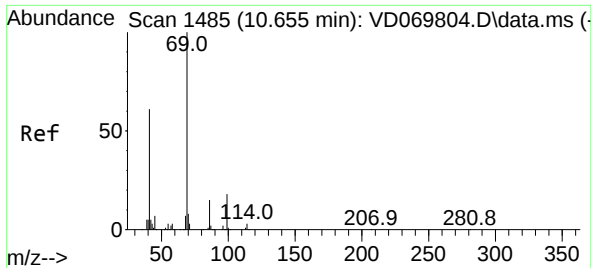
Tgt Ion: 41 Resp: 62
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#



#50
Toluene-d8
Concen: 53.260 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.001 min
Lab File: VD069968.D
Acq: 03 Aug 2021 16:10

Tgt Ion: 98 Resp: 455260
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9

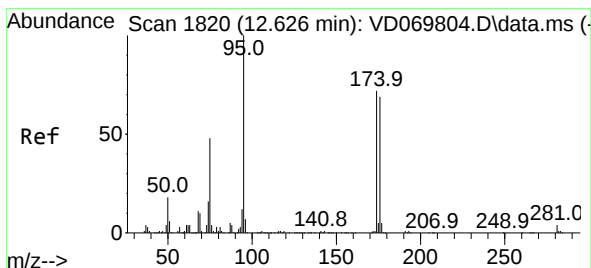
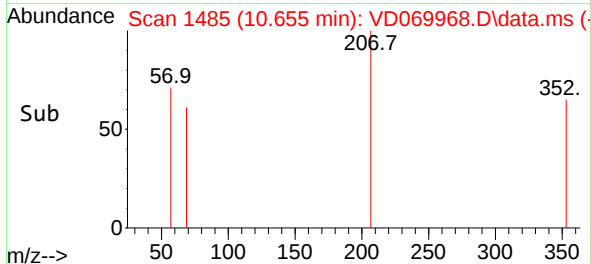
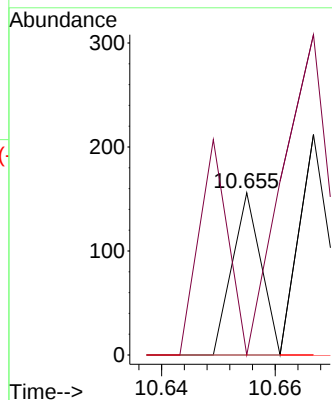
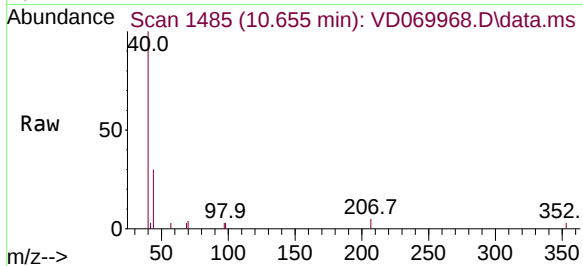




#56
Ethyl methacrylate
Concen: 3.916 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. -0.000 min
Lab File: VD069968.D
Acq: 03 Aug 2021 16:10

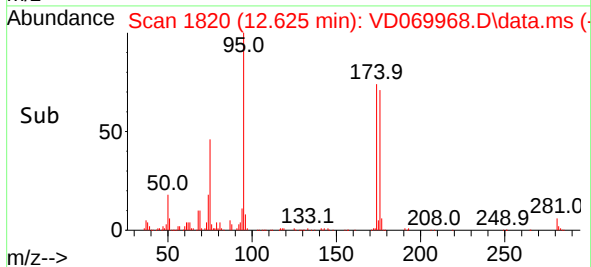
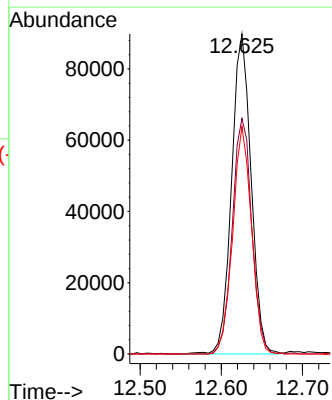
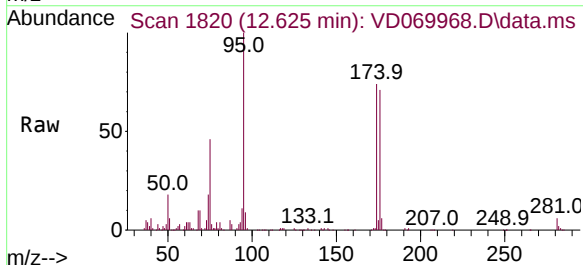
Instrument :
MSVOA_D
ClientSampled :

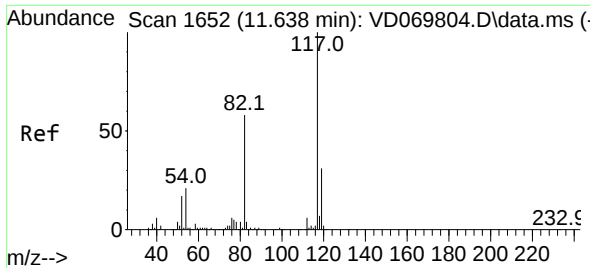
Tgt Ion: 69 Resp: 55
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 0.0 22.0 33.0#



#62
4-Bromofluorobenzene
Concen: 52.378 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069968.D
Acq: 03 Aug 2021 16:10

Tgt Ion: 95 Resp: 149631
Ion Ratio Lower Upper
95 100
174 73.2 0.0 142.6
176 68.8 0.0 134.2

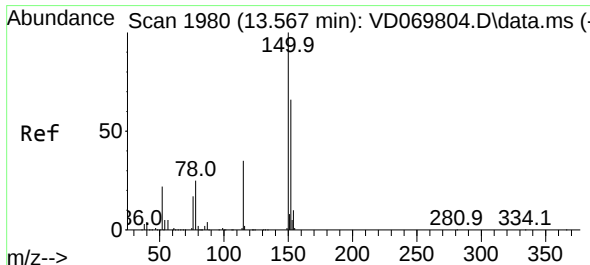
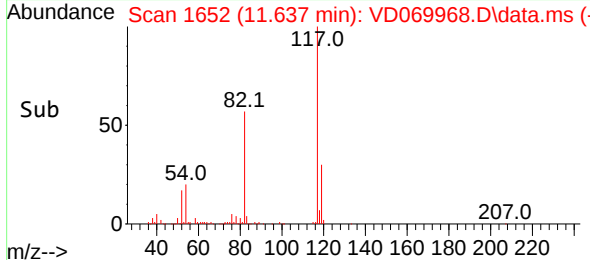
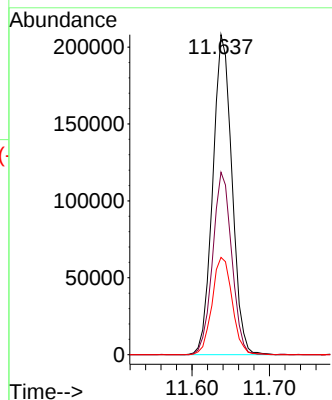
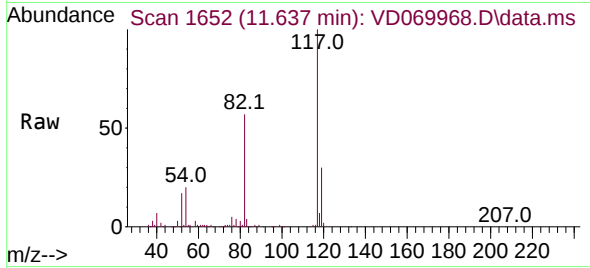




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069968.D
Acq: 03 Aug 2021 16:10

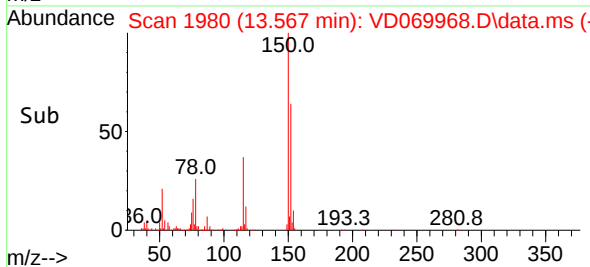
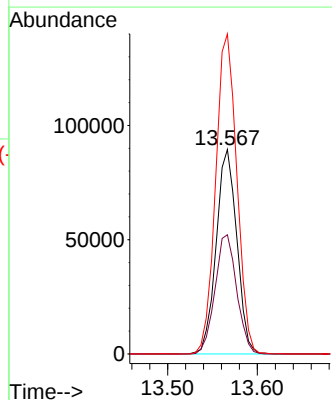
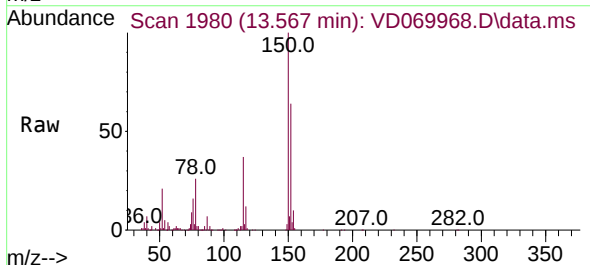
Instrument :
MSVOA_D
ClientSampleId :

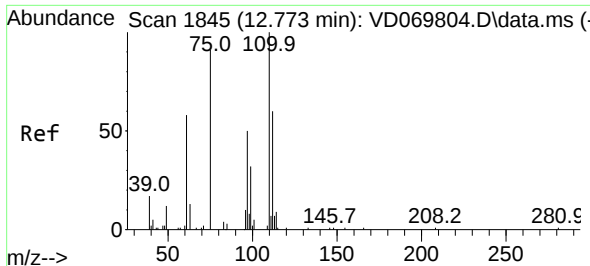
Tgt Ion:117 Resp: 357589
Ion Ratio Lower Upper
117 100
82 57.0 46.3 69.5
119 30.4 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069968.D
Acq: 03 Aug 2021 16:10

Tgt Ion:152 Resp: 142889
Ion Ratio Lower Upper
152 100
115 61.3 31.1 93.3
150 160.3 0.0 343.0

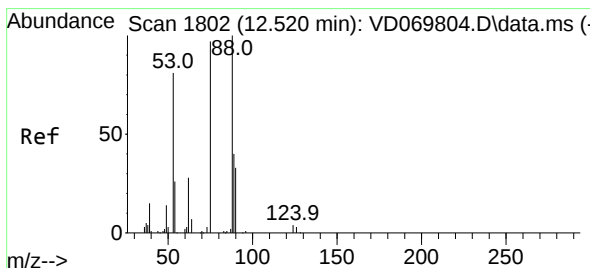
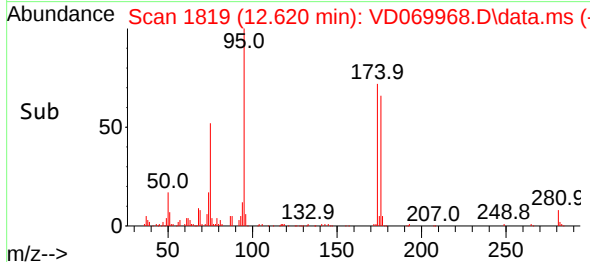
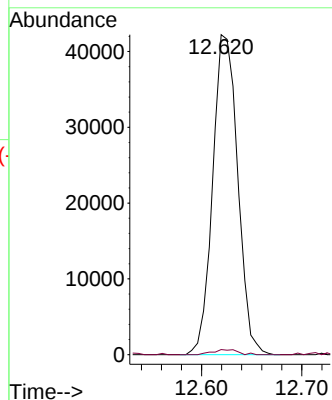
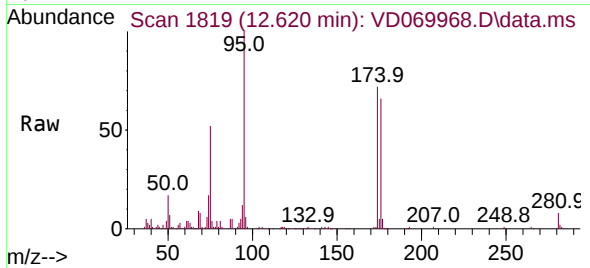




#76
1,2,3-Trichloropropane
Concen: 48.063 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD069968.D
Acq: 03 Aug 2021 16:10

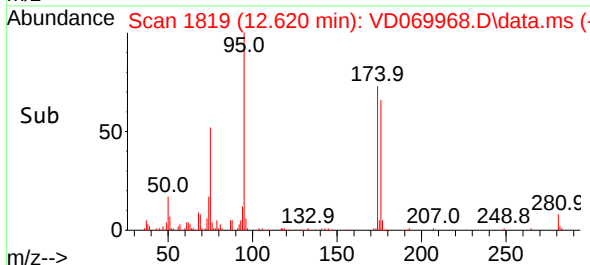
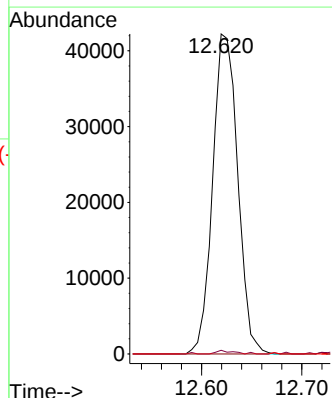
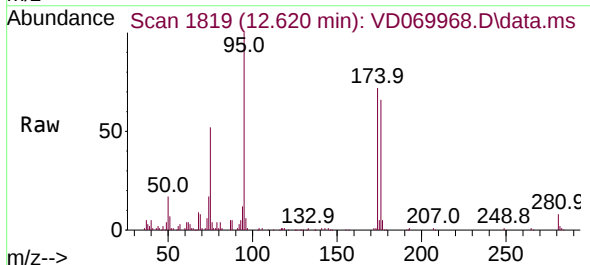
Instrument :
MSVOA_D
ClientSampleId :

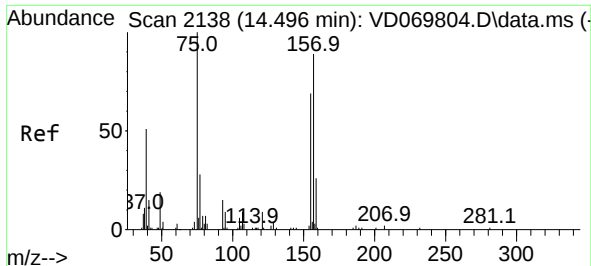
Tgt Ion: 75 Resp: 72998
Ion Ratio Lower Upper
75 100
77 1.6 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 145.810 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD069968.D
Acq: 03 Aug 2021 16:10

Tgt Ion: 75 Resp: 72998
Ion Ratio Lower Upper
75 100
53 0.8 67.2 100.8#
89 0.0 35.8 53.6#

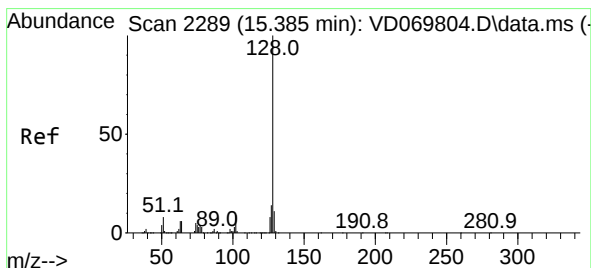
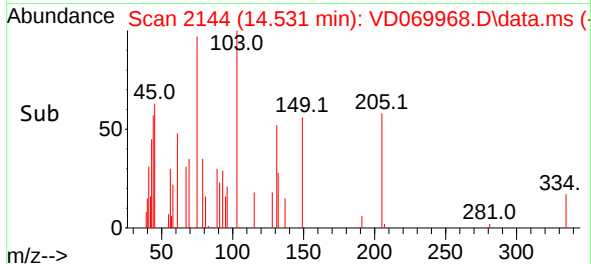
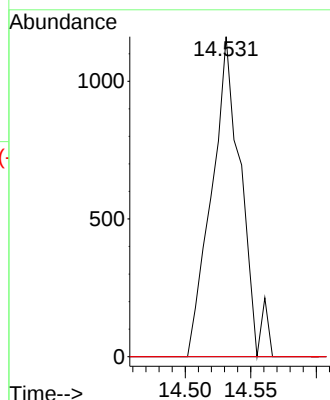
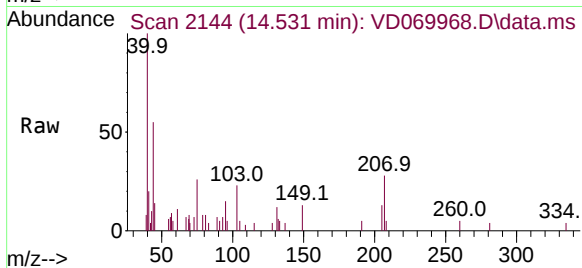




#92
1,2-Dibromo-3-Chloropropane
Concen: 6.127 ug/l
RT: 14.531 min Scan# 2144
Delta R.T. 0.035 min
Lab File: VD069968.D
Acq: 03 Aug 2021 16:10

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 1809
Ion Ratio Lower Upper
75 100
155 0.0 36.3 108.9#
157 0.0 47.0 141.0#



#95
Naphthalene
Concen: 5.179 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.001 min
Lab File: VD069968.D
Acq: 03 Aug 2021 16:10

Tgt Ion: 128 Resp: 938
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 7.4 8.6 12.8#

