

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070721\
 Data File : VD069603.D
 Acq On : 07 Jul 2021 12:19
 Operator : VA/SY
 Sample : VD0707SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 08 01:04:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

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

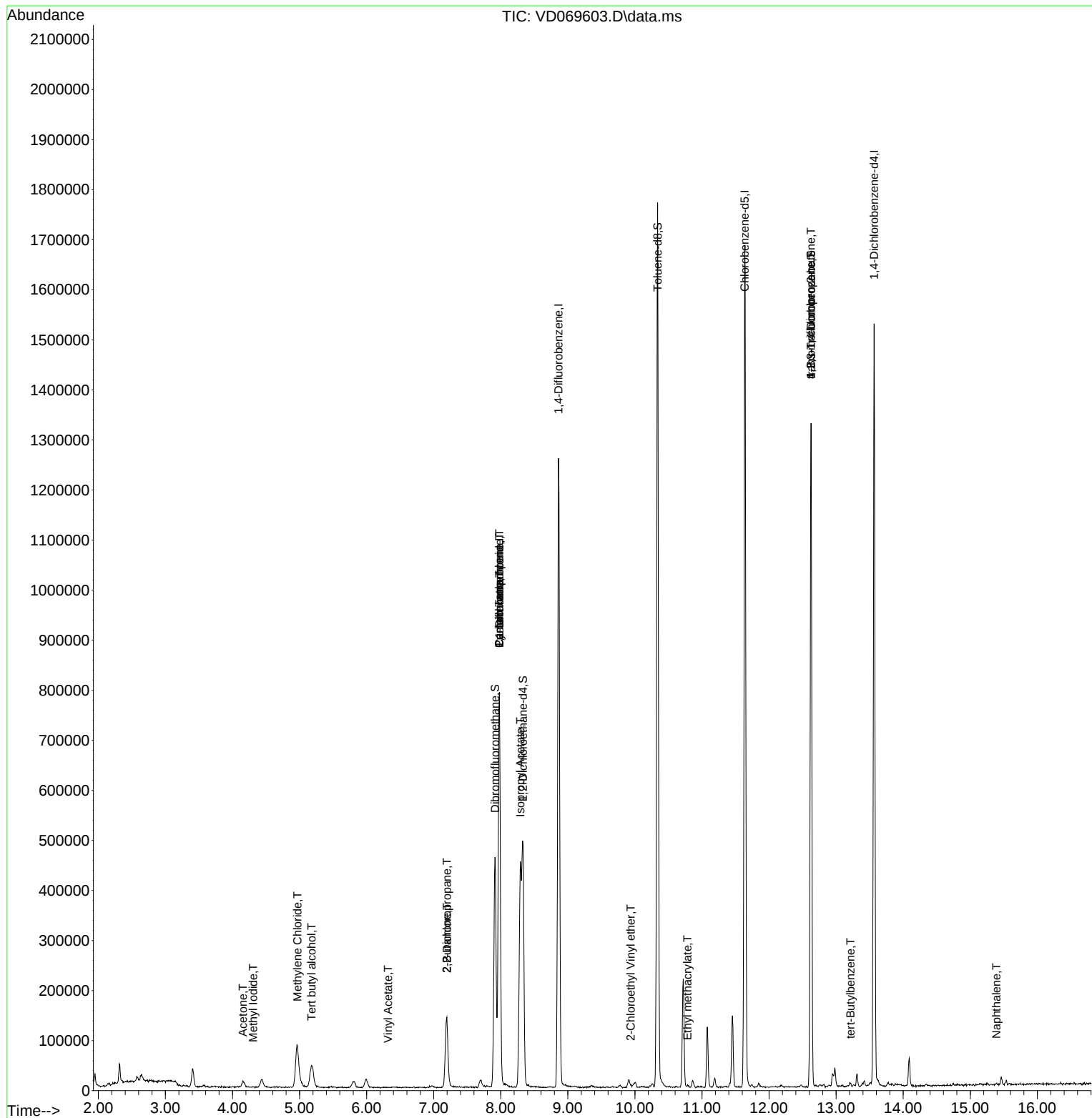
Internal Standards						
1) Pentafluorobenzene	7.979	168	553363	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1047291	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	976129	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	390766	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	363653	52.722	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.440%			
35) Dibromofluoromethane	7.914	113	340033	48.031	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.060%			
50) Toluene-d8	10.338	98	1170892	44.094	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 88.180%			
62) 4-Bromofluorobenzene	12.626	95	369957	42.378	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 84.760%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.767	94	1892	Below Cal	#	56
10) Methyl Iodide	4.309	142	600	4.036	ug/l #	90
11) Tert butyl alcohol	5.179	59	43201	92.352	ug/l #	84
16) Acetone	4.156	43	21310	18.355	ug/l	97
18) Methyl Acetate	4.720	43	245	Below Cal	#	49
20) Methylene Chloride	4.967	84	65075	2.781	ug/l	99
23) Vinyl Acetate	6.320	43	74	19.018	ug/l #	70
25) 2-Butanone	7.197	43	7596	5.149	ug/l #	74
26) 2,2-Dichloropropane	7.197	77	10324	1.033	ug/l #	53
31) Cyclohexane	7.979	56	13844	1.491	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	51174	4.979	ug/l #	50
38) Carbon Tetrachloride	7.979	117	60018	5.900	ug/l #	17
43) Isopropyl Acetate	8.291	43	11012	1.589	ug/l #	34
56) Ethyl methacrylate	10.785	69	366	2.634	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.938	63	2175	11.202	ug/l #	80
76) 1,2,3-Trichloropropane	12.626	75	188449	49.128	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	188449	122.666	ug/l #	13
83) tert-Butylbenzene	13.214	119	1045	2.042	ug/l #	52
95) Naphthalene	15.390	128	1975	3.506	ug/l #	81

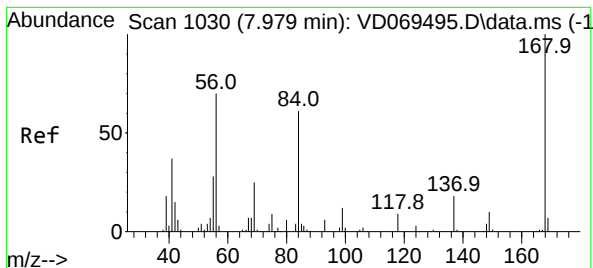
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070721\
Data File : VD069603.D
Acq On : 07 Jul 2021 12:19
Operator : VA/SY
Sample : VD0707SBL01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jul 08 01:04:27 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 22 04:33:24 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: VD069603.D

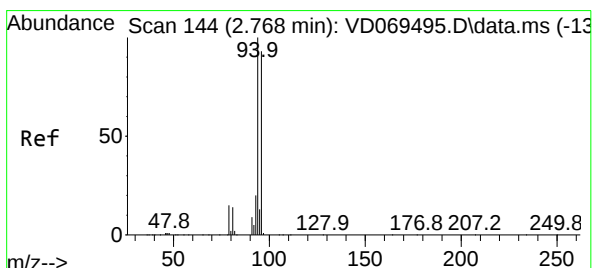
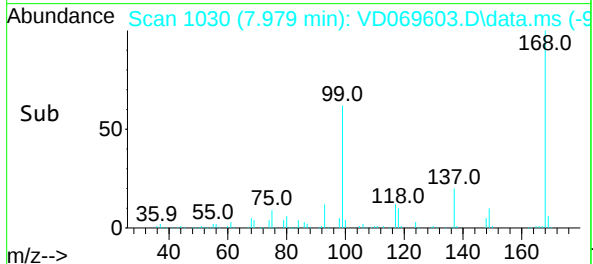
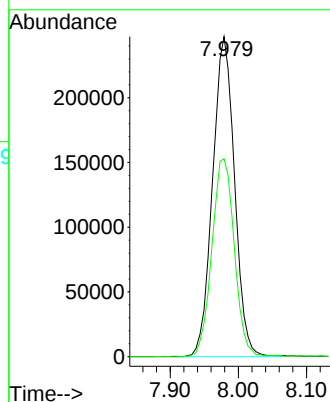
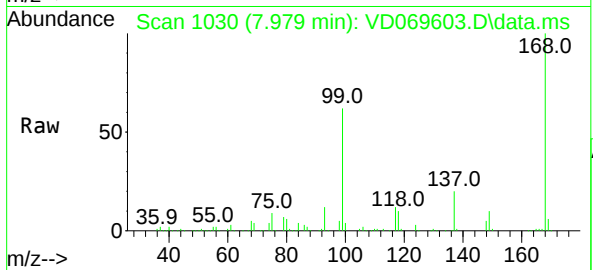
Acq: 07 Jul 2021 12:19

Tgt Ion:168 Resp: 553363

Ion Ratio Lower Upper

168 100

99 61.7 49.3 73.9



#5

Bromomethane

Concen: Below Cal

RT: 2.767 min Scan# 144

Delta R.T. -0.001 min

Lab File: VD069603.D

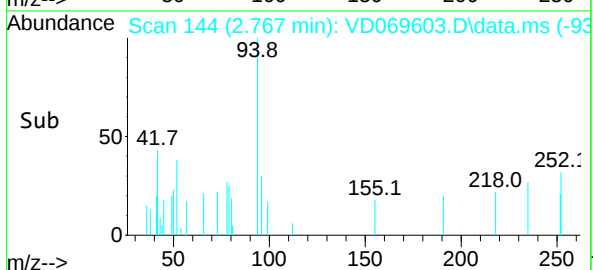
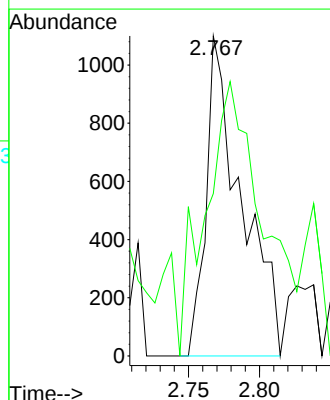
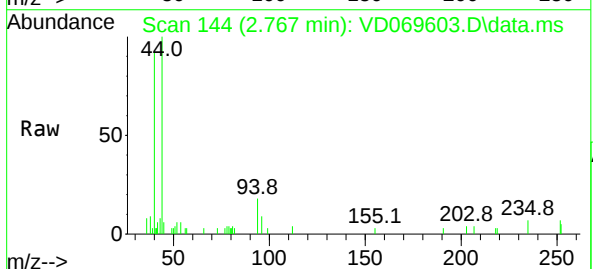
Acq: 07 Jul 2021 12:19

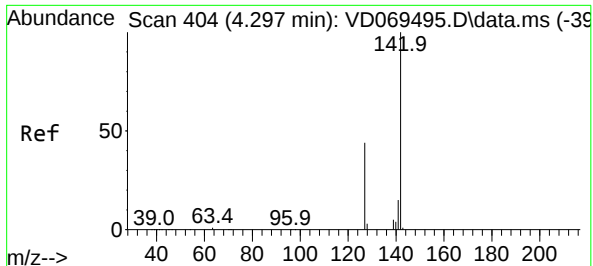
Tgt Ion: 94 Resp: 1892

Ion Ratio Lower Upper

94 100

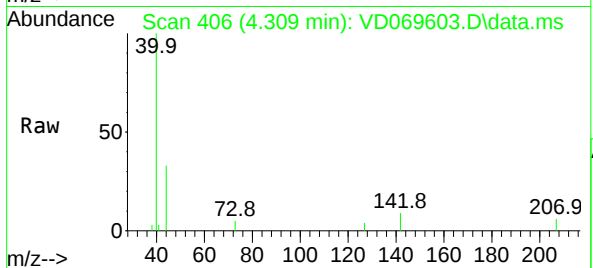
96 50.7 74.6 111.8#



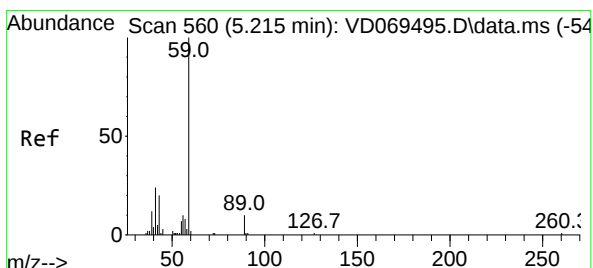
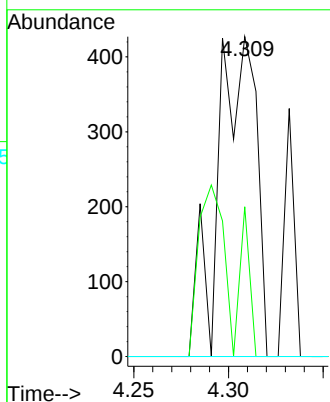
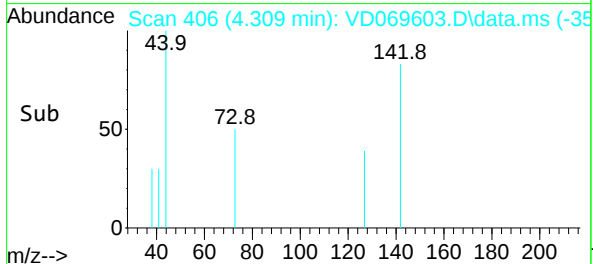


#10
Methyl Iodide
Concen: 4.036 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD069603.D
Acq: 07 Jul 2021 12:19

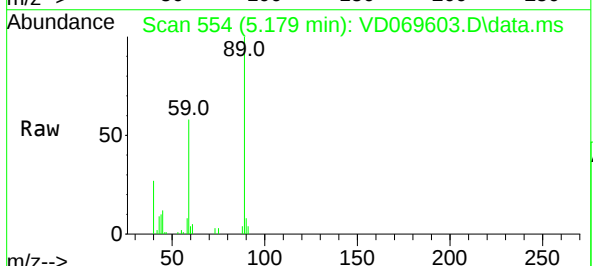
Instrument :
MSVOA_D
ClientSampled :



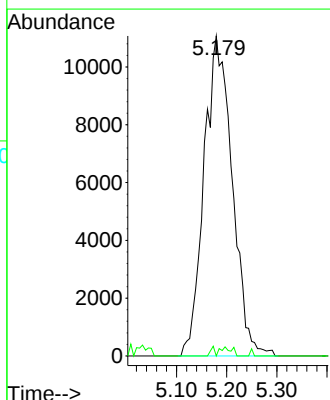
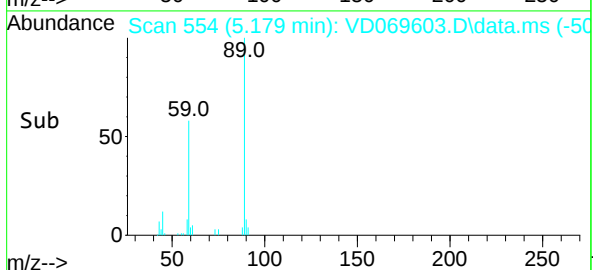
Tgt Ion:142 Resp: 600
Ion Ratio Lower Upper
142 100
127 46.8 36.5 54.7
141 0.0 12.0 18.0#

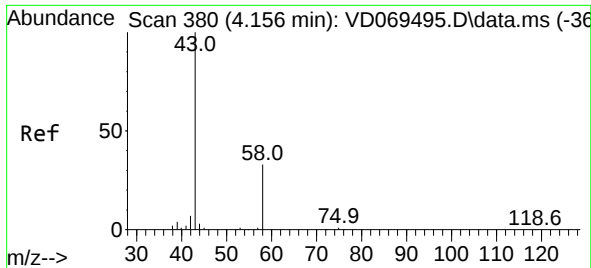


#11
Tert butyl alcohol
Concen: 92.352 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.036 min
Lab File: VD069603.D
Acq: 07 Jul 2021 12:19



Tgt Ion: 59 Resp: 43201
Ion Ratio Lower Upper
59 100
57 0.4 4.6 7.0#

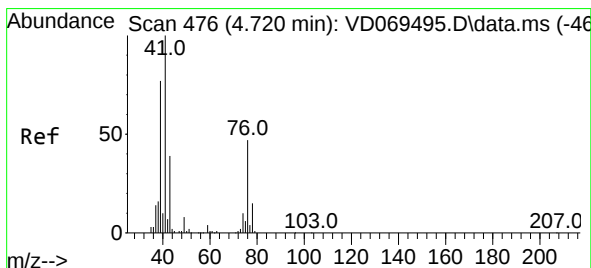
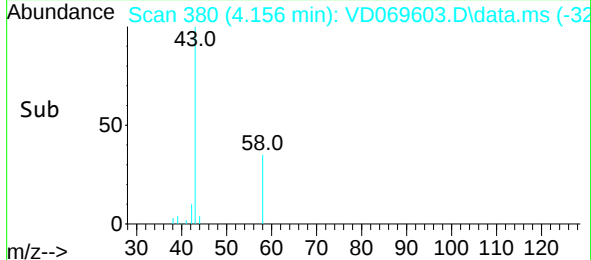
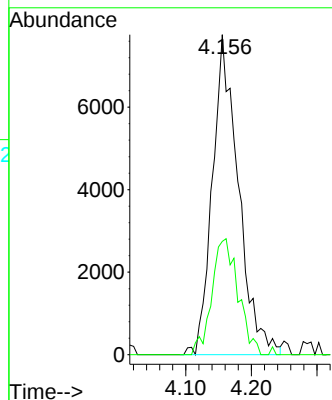
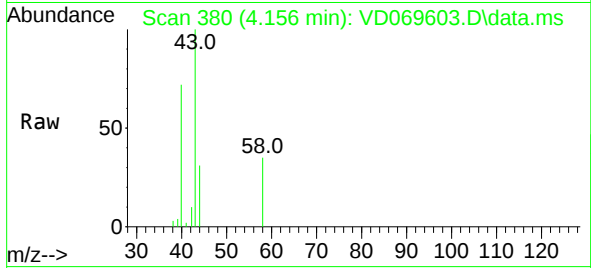




#16
Acetone
Concen: 18.355 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069603.D
Acq: 07 Jul 2021 12:19

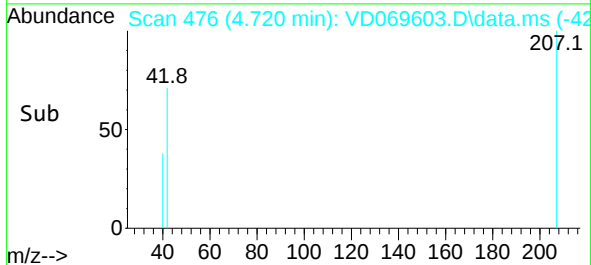
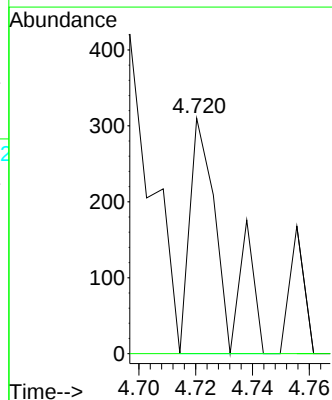
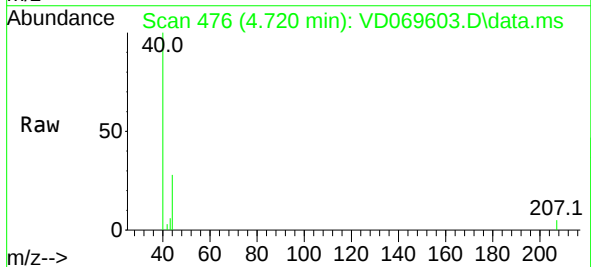
Instrument :
MSVOA_D
ClientSampled :

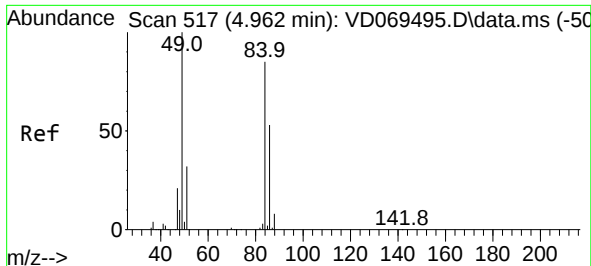
Tgt Ion: 43 Resp: 21310
Ion Ratio Lower Upper
43 100
58 35.4 26.8 40.2



#18
Methyl Acetate
Concen: Below Cal
RT: 4.720 min Scan# 476
Delta R.T. 0.000 min
Lab File: VD069603.D
Acq: 07 Jul 2021 12:19

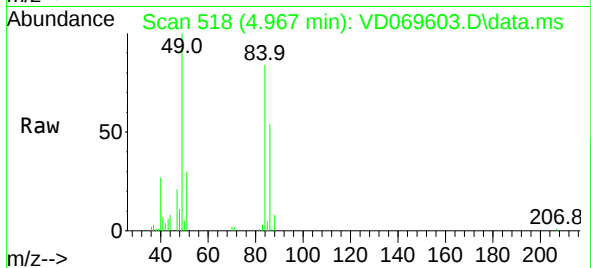
Tgt Ion: 43 Resp: 245
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



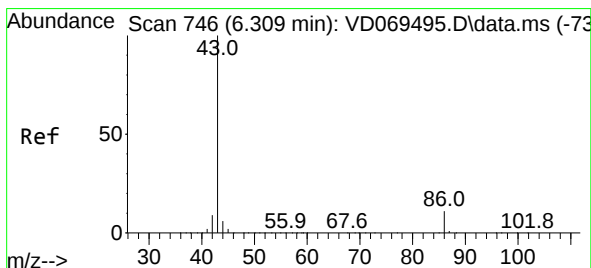
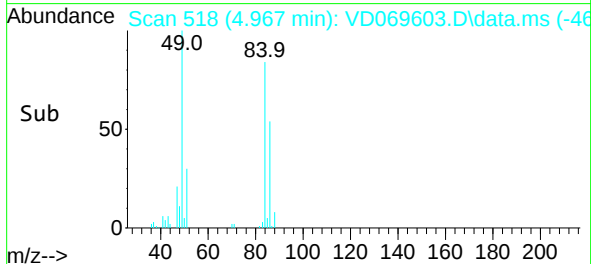
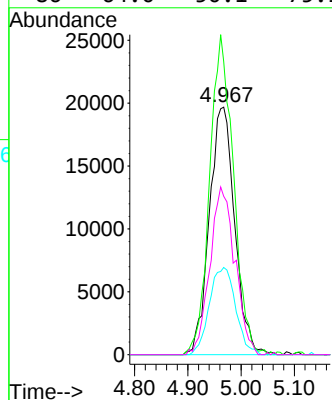


#20
Methylene Chloride
Concen: 2.781 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069603.D
Acq: 07 Jul 2021 12:19

Instrument :
MSVOA_D
ClientSampled :

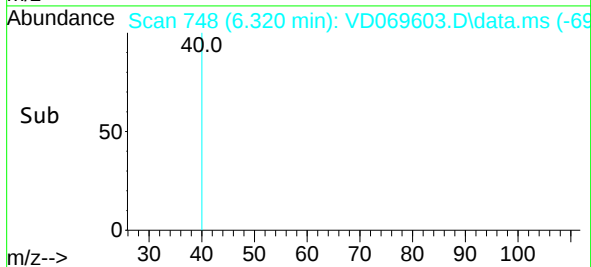
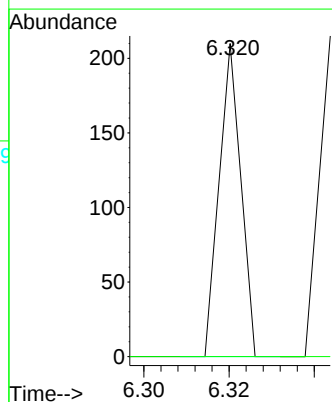
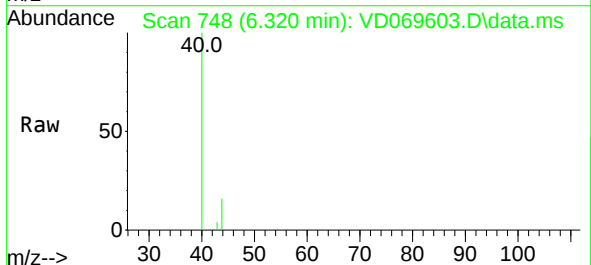


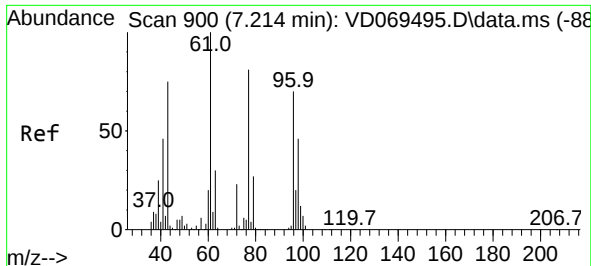
Tgt Ion:	84	Resp:	65075
Ion	Ratio	Lower	Upper
84	100		
49	118.4	94.0	141.0
51	35.2	29.7	44.5
86	64.0	50.1	75.1



#23
Vinyl Acetate
Concen: 19.018 ug/l
RT: 6.320 min Scan# 748
Delta R.T. 0.011 min
Lab File: VD069603.D
Acq: 07 Jul 2021 12:19

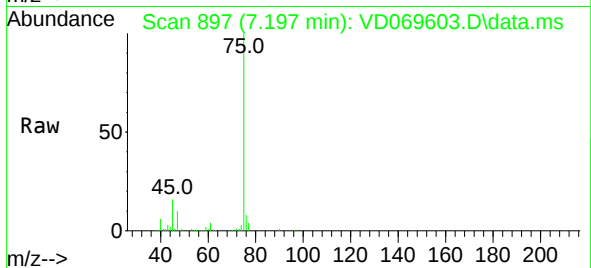
Tgt Ion:	43	Resp:	74
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#



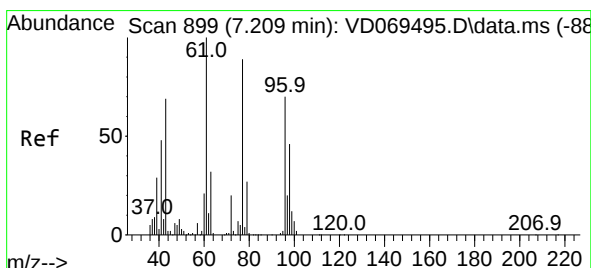
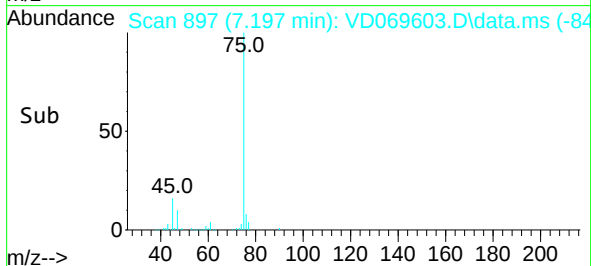
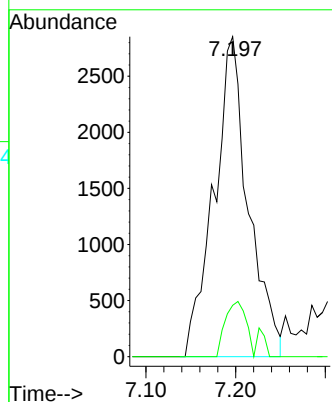


#25
2-Butanone
Concen: 5.149 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.018 min
Lab File: VD069603.D
Acq: 07 Jul 2021 12:19

Instrument :
MSVOA_D
ClientSampled :

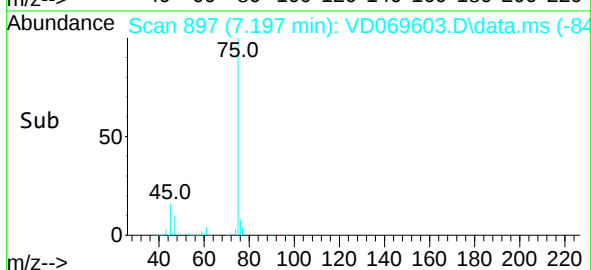
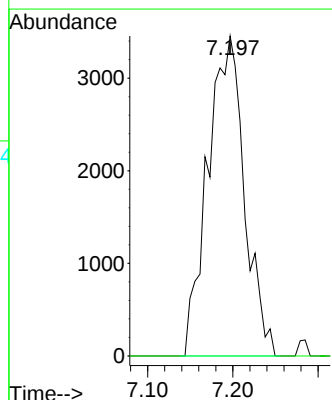
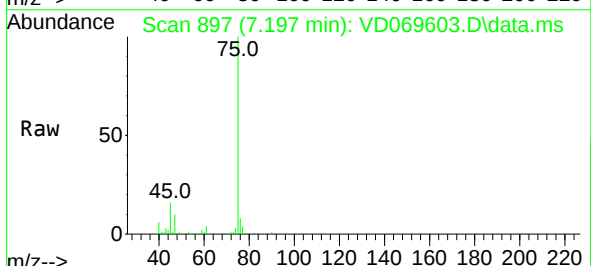


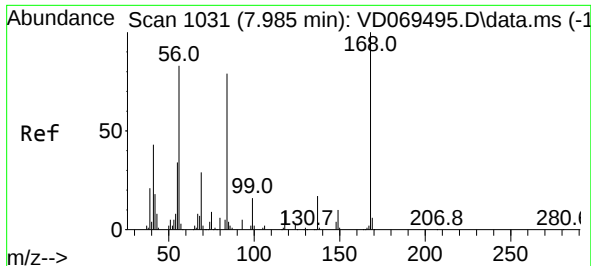
Tgt Ion: 43 Resp: 7596
Ion Ratio Lower Upper
43 100
72 16.0 24.3 36.5#



#26
2,2-Dichloropropane
Concen: 1.033 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.012 min
Lab File: VD069603.D
Acq: 07 Jul 2021 12:19

Tgt Ion: 77 Resp: 10324
Ion Ratio Lower Upper
77 100
97 0.0 11.5 34.5#

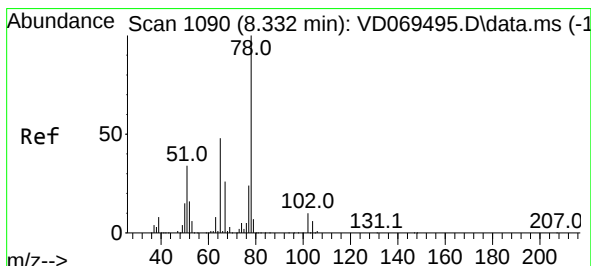
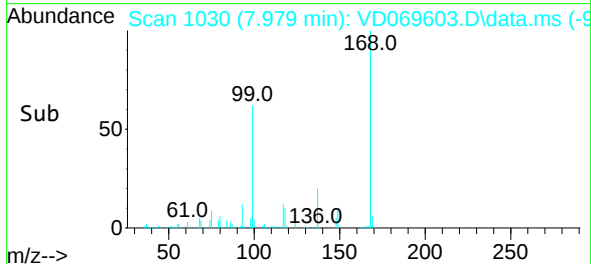
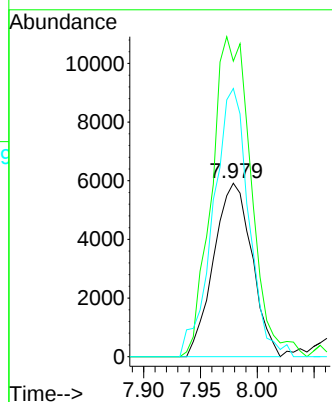
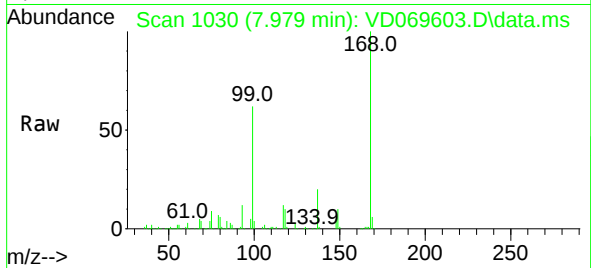




#31
Cyclohexane
Concen: 1.491 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069603.D
Acq: 07 Jul 2021 12:19

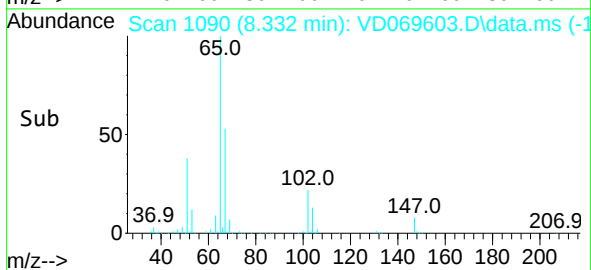
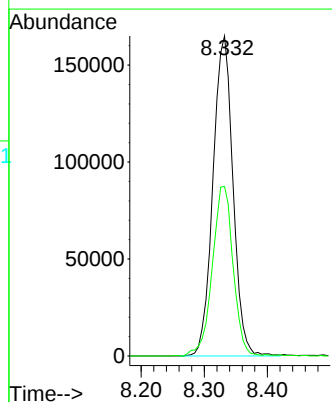
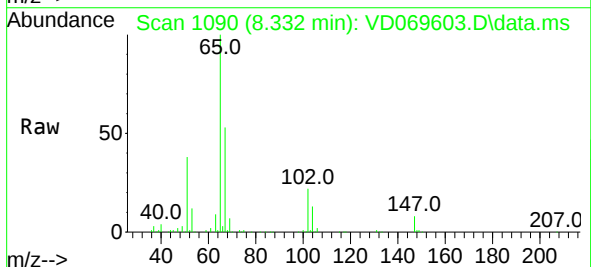
Instrument :
MSVOA_D
ClientSampled :

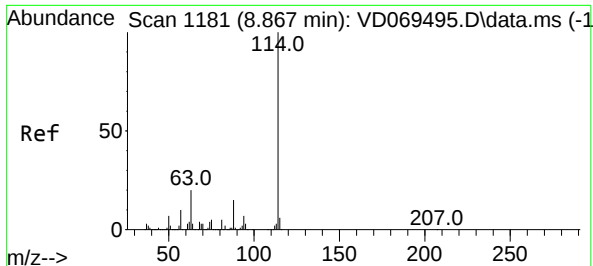
Tgt Ion: 56 Resp: 13844
Ion Ratio Lower Upper
56 100
69 170.5 28.0 42.0#
84 154.6 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 52.722 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069603.D
Acq: 07 Jul 2021 12:19

Tgt Ion: 65 Resp: 363653
Ion Ratio Lower Upper
65 100
67 54.9 0.0 105.6



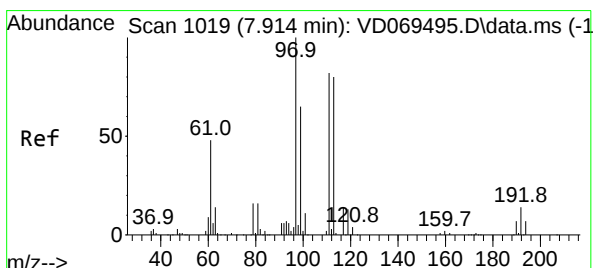
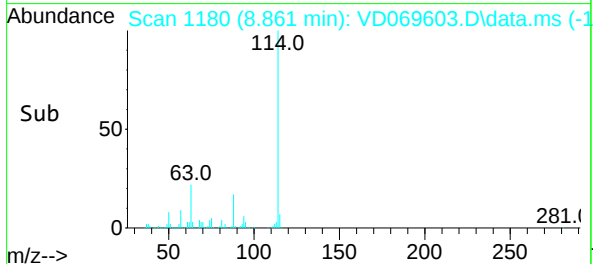
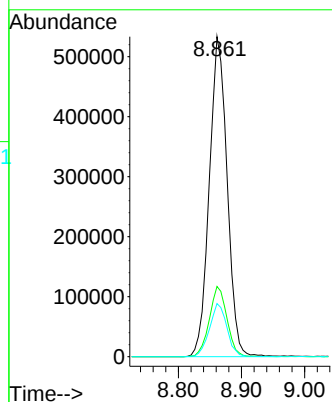
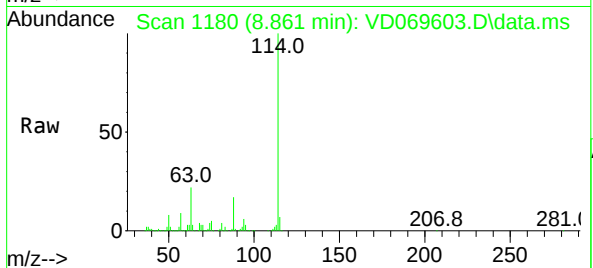


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069603.D
Acq: 07 Jul 2021 12:19

Instrument :
MSVOA_D
ClientSampled :

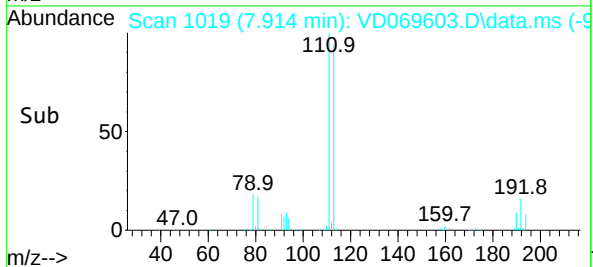
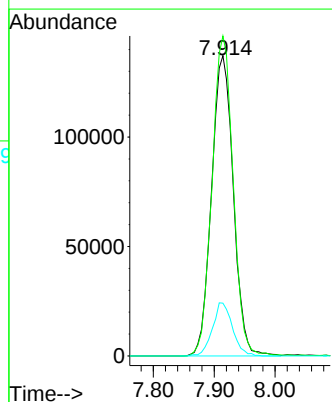
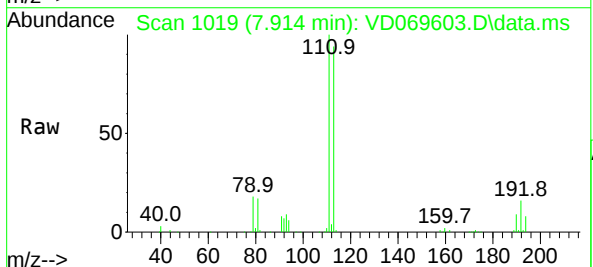
Tgt Ion:114 Resp: 1047291
Ion Ratio Lower Upper
114 100
63 22.0 0.0 39.6
88 16.6 0.0 29.8

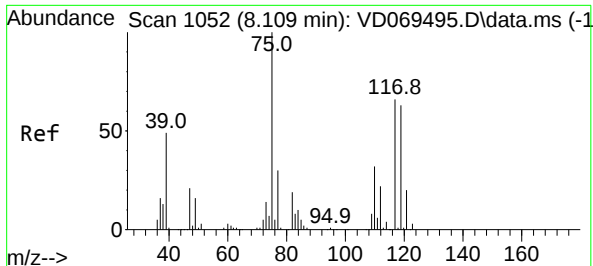


#35

Dibromofluoromethane
Concen: 48.031 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069603.D
Acq: 07 Jul 2021 12:19

Tgt Ion:113 Resp: 340033
Ion Ratio Lower Upper
113 100
111 103.4 81.8 122.8
192 16.3 13.8 20.6

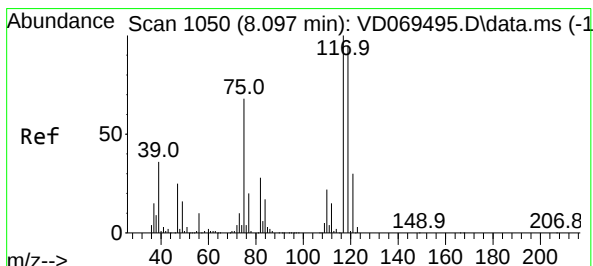
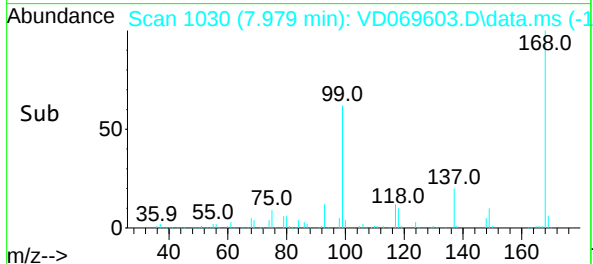
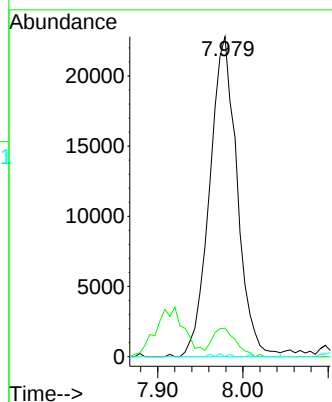
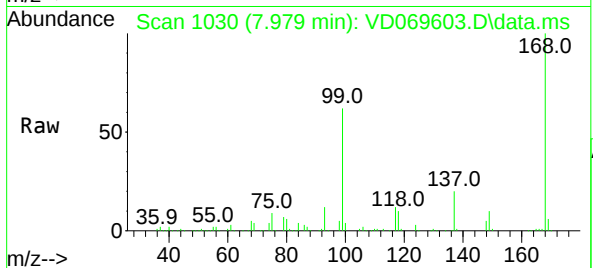




#36
1,1-Dichloropropene
Concen: 4.979 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069603.D
Acq: 07 Jul 2021 12:19

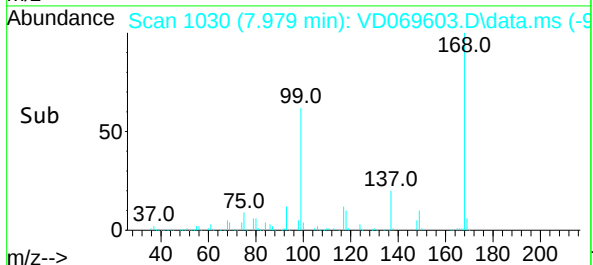
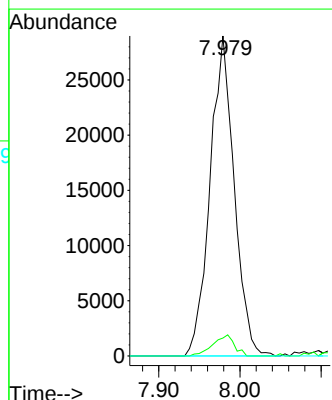
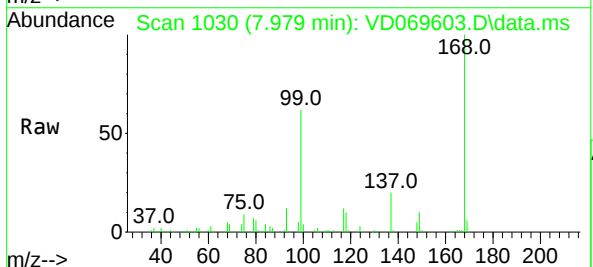
Instrument :
MSVOA_D
ClientSampled :

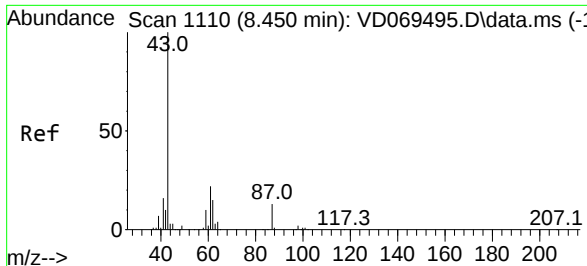
Tgt Ion: 75 Resp: 51174
Ion Ratio Lower Upper
75 100
110 7.6 16.8 50.4#
77 0.3 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.900 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069603.D
Acq: 07 Jul 2021 12:19

Tgt Ion: 117 Resp: 60018
Ion Ratio Lower Upper
117 100
119 5.6 75.6 113.4#
121 0.0 23.8 35.8#

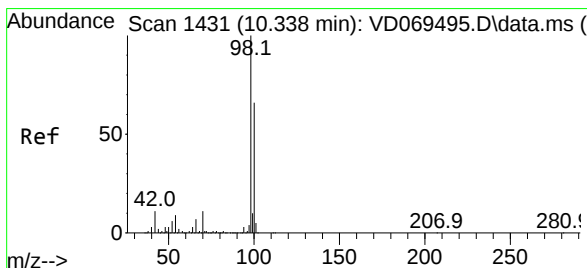
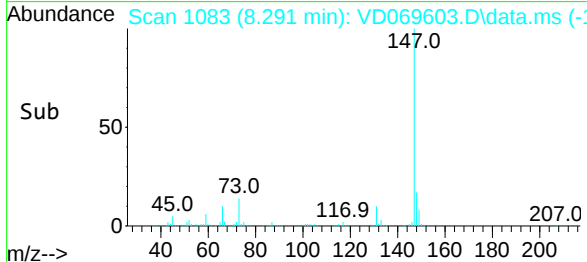
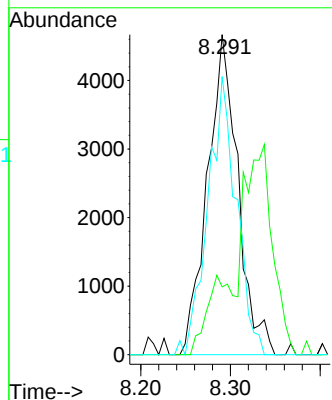
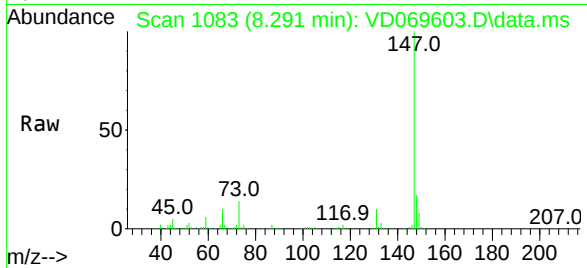




#43
Isopropyl Acetate
Concen: 1.589 ug/l
RT: 8.291 min Scan# 1083
Delta R.T. -0.159 min
Lab File: VD069603.D
Acq: 07 Jul 2021 12:19

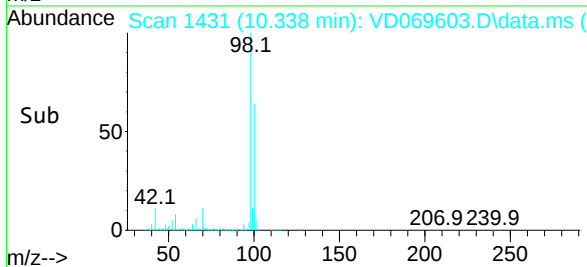
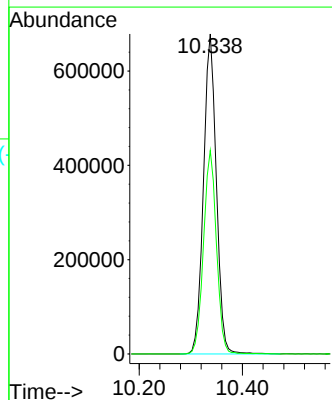
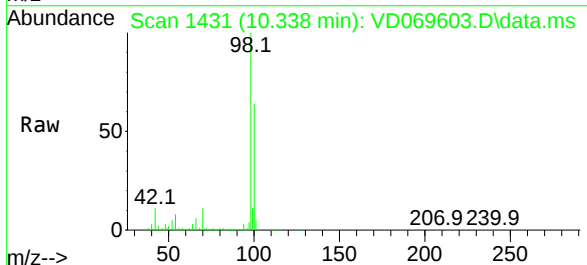
Instrument :
MSVOA_D
ClientSampleId :

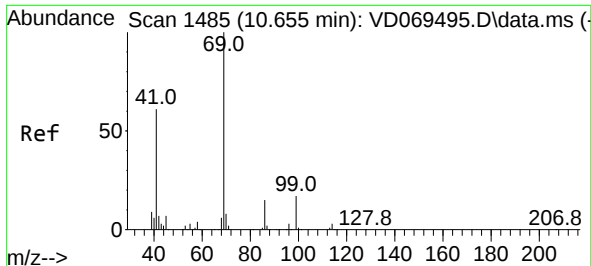
Tgt Ion: 43 Resp: 11012
Ion Ratio Lower Upper
43 100
61 19.7 28.2 42.2#
87 81.1 11.4 17.0#



#50
Toluene-d8
Concen: 44.094 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069603.D
Acq: 07 Jul 2021 12:19

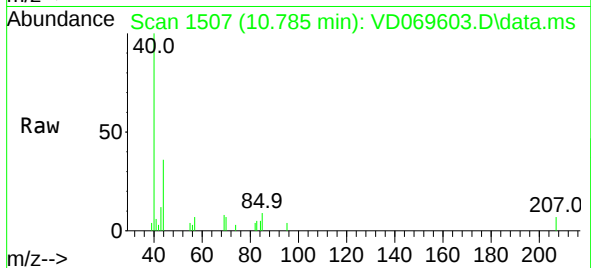
Tgt Ion: 98 Resp: 1170892
Ion Ratio Lower Upper
98 100
100 64.0 52.3 78.5



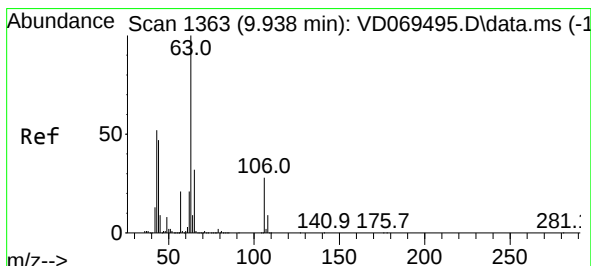
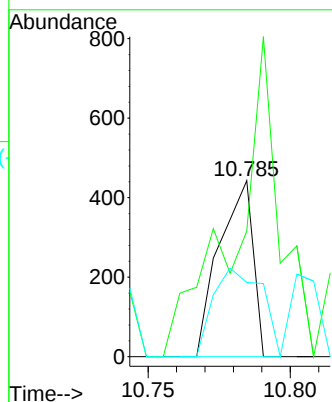
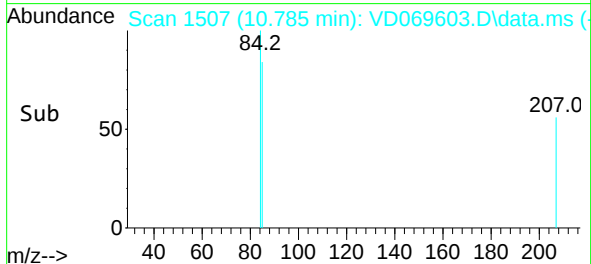


#56
Ethyl methacrylate
Concen: 2.634 ug/l
RT: 10.785 min Scan# 1507
Delta R.T. 0.130 min
Lab File: VD069603.D
Acq: 07 Jul 2021 12:19

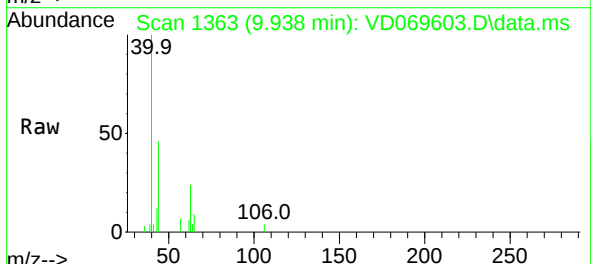
Instrument :
MSVOA_D
ClientSampleId :



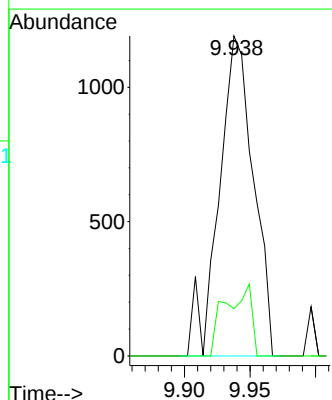
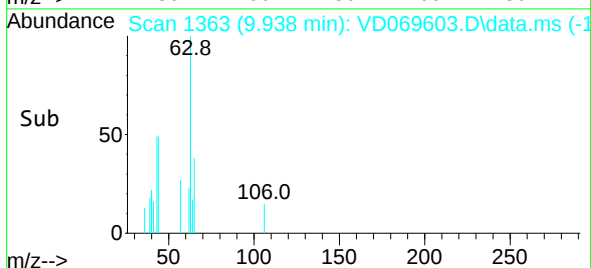
Tgt Ion: 69 Resp: 366
Ion Ratio Lower Upper
69 100
41 261.7 49.4 74.0#
39 72.4 26.9 40.3#

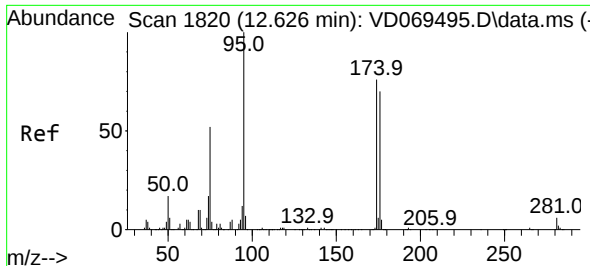


#58
2-Chloroethyl Vinyl ether
Concen: 11.202 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VD069603.D
Acq: 07 Jul 2021 12:19



Tgt Ion: 63 Resp: 2175
Ion Ratio Lower Upper
63 100
106 17.0 22.2 33.2#

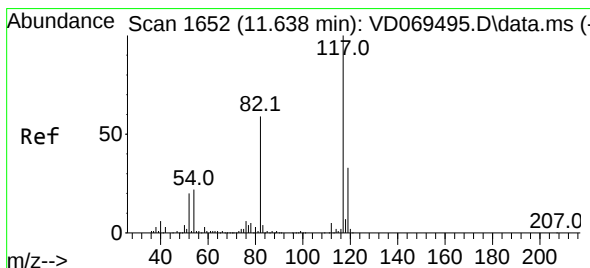
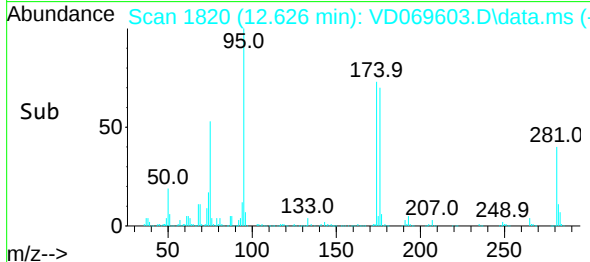
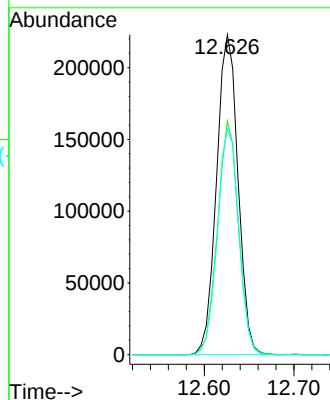
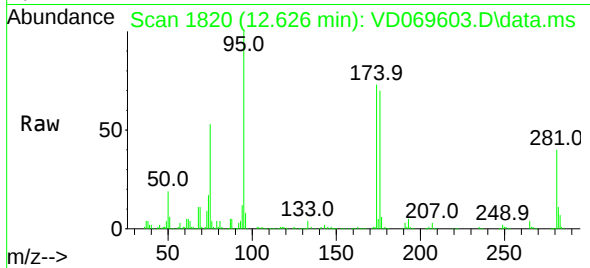




#62
4-Bromofluorobenzene
Concen: 42.378 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069603.D
Acq: 07 Jul 2021 12:19

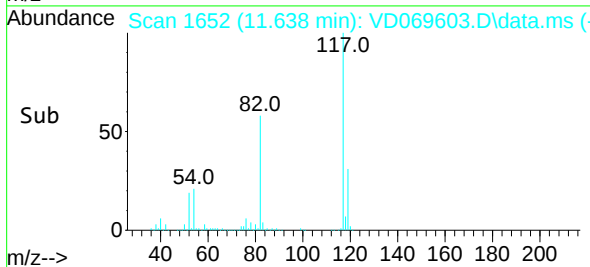
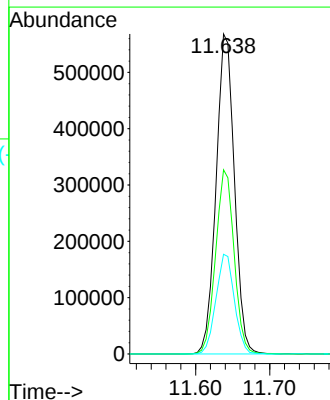
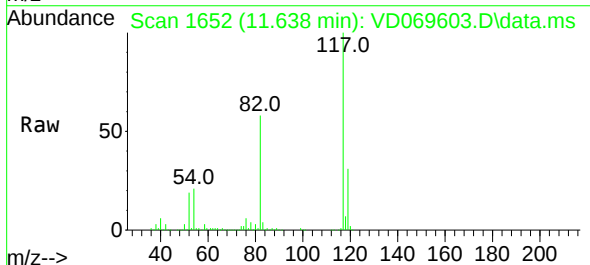
Instrument :
MSVOA_D
ClientSampleId :

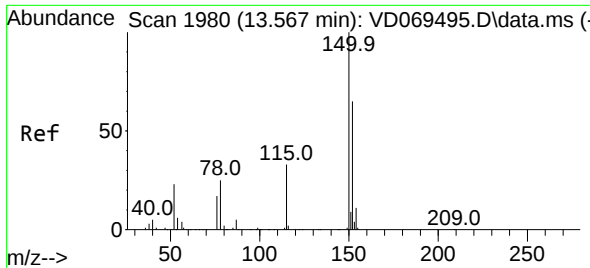
Tgt Ion: 95 Resp: 369957
Ion Ratio Lower Upper
95 100
174 71.5 0.0 148.0
176 70.4 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069603.D
Acq: 07 Jul 2021 12:19

Tgt Ion: 117 Resp: 976129
Ion Ratio Lower Upper
117 100
82 57.5 46.8 70.2
119 31.2 26.2 39.2

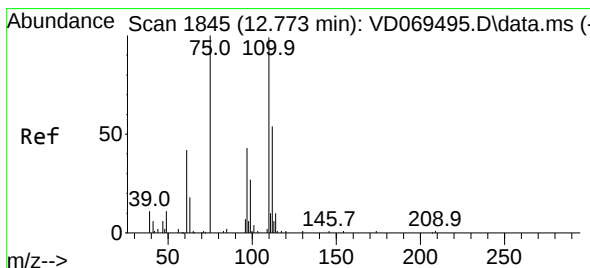
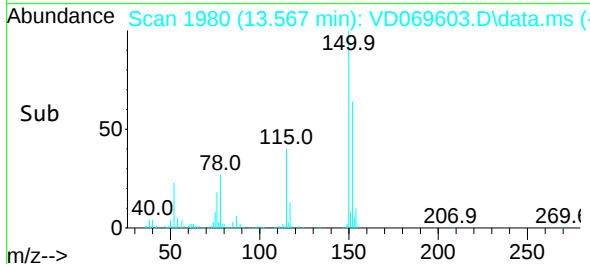
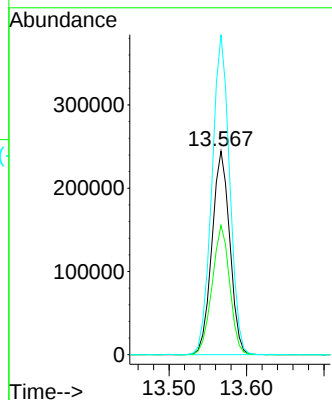
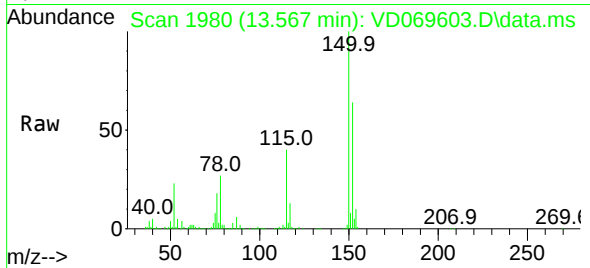




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069603.D
 Acq: 07 Jul 2021 12:19

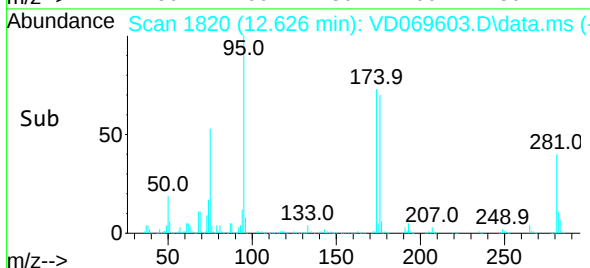
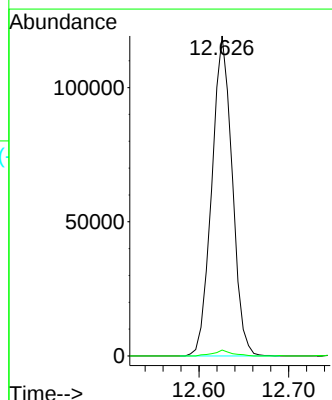
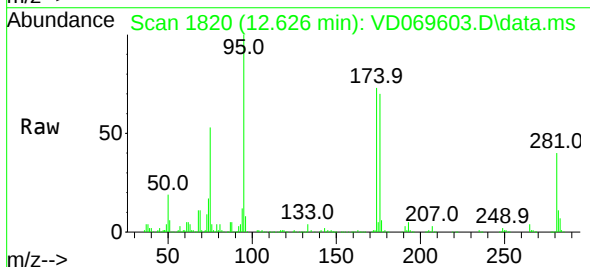
Instrument :
 MSVOA_D
 ClientSampleId :

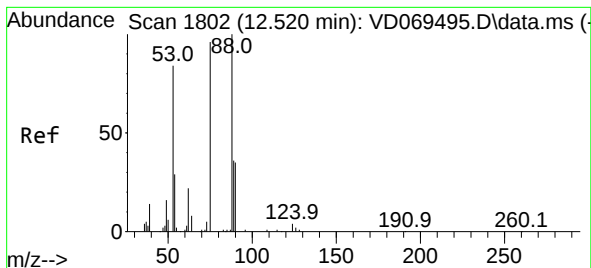
Tgt Ion:152 Resp: 390766
 Ion Ratio Lower Upper
 152 100
 115 62.6 31.7 95.1
 150 156.4 0.0 350.8



#76
 1,2,3-Trichloropropane
 Concen: 49.128 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069603.D
 Acq: 07 Jul 2021 12:19

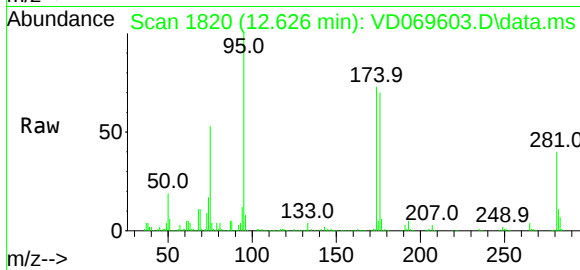
Tgt Ion: 75 Resp: 188449
 Ion Ratio Lower Upper
 75 100
 77 1.6 162.6 487.8#



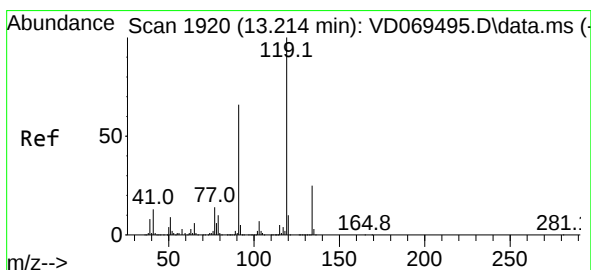
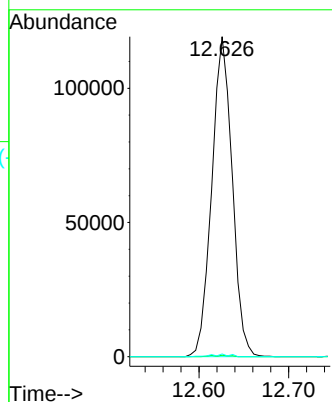
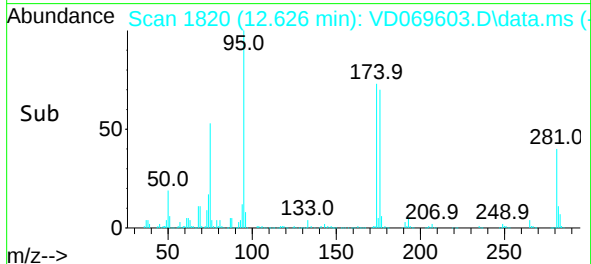


#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.666 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069603.D
 Acq: 07 Jul 2021 12:19

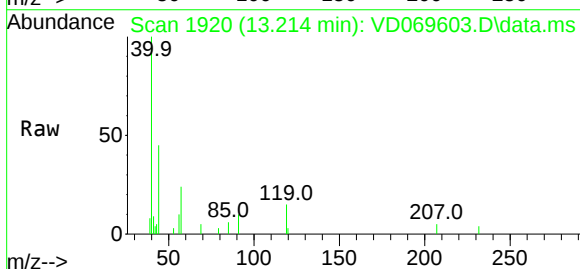
Instrument :
 MSVOA_D
 ClientSampled :



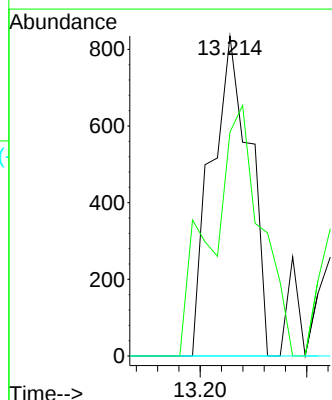
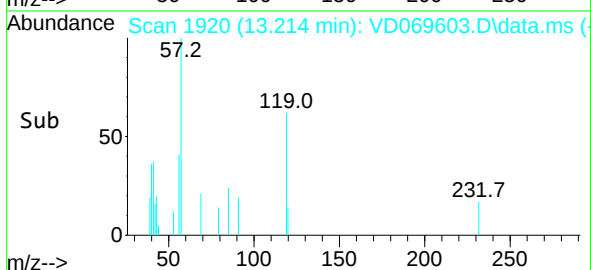
Tgt Ion: 75 Resp: 188449
 Ion Ratio Lower Upper
 75 100
 53 0.2 74.6 112.0#
 89 0.7 35.3 52.9#

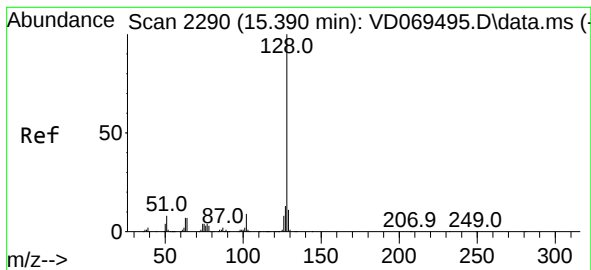


#83
 tert-Butylbenzene
 Concen: 2.042 ug/l
 RT: 13.214 min Scan# 1920
 Delta R.T. -0.000 min
 Lab File: VD069603.D
 Acq: 07 Jul 2021 12:19



Tgt Ion: 119 Resp: 1045
 Ion Ratio Lower Upper
 119 100
 91 101.6 32.5 97.4#
 134 0.0 12.9 38.7#





#95
Naphthalene
Concen: 3.506 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069603.D
Acq: 07 Jul 2021 12:19

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
128	100		
127	9.0	10.6	16.0#
129	0.0	8.7	13.1#

