

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072721\
 Data File : VD069868.D
 Acq On : 27 Jul 2021 15:57
 Operator : VA/SY
 Sample : M3200-04
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 28 03:59:28 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)

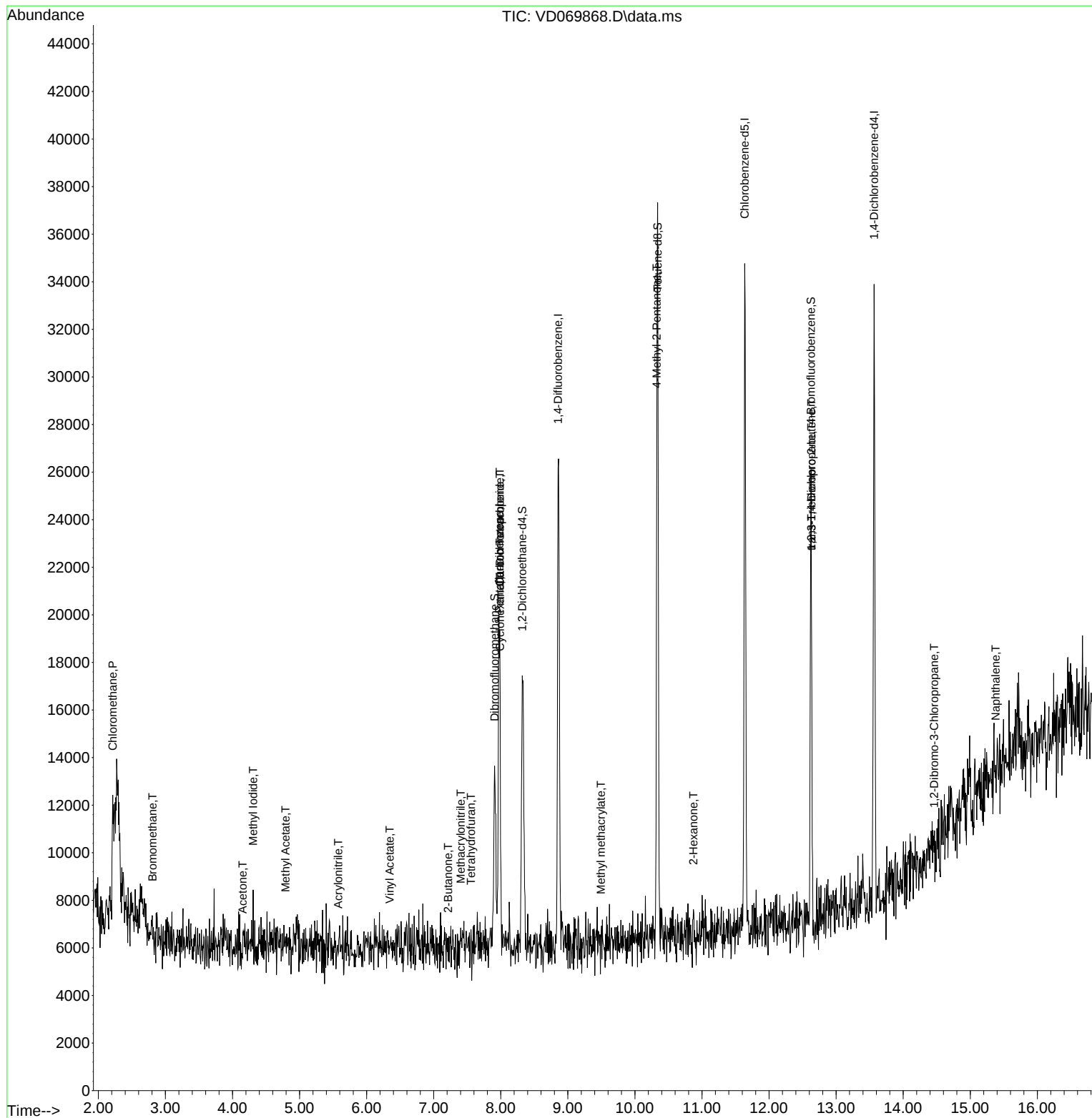
Internal Standards						
1) Pentafluorobenzene	7.979	168	9490	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.855	114	17199	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	15830	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	6522	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	9184	84.146	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 168.300%#			
35) Dibromofluoromethane	7.908	113	5612	51.761	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.520%			
50) Toluene-d8	10.338	98	21509	51.448	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.900%			
62) 4-Bromofluorobenzene	12.626	95	6217	44.496	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 89.000%			
Target Compounds						Qvalue
3) Chloromethane	2.215	50	384	2.650	ug/l	# 43
5) Bromomethane	2.809	94	262	1.042	ug/l	99
10) Methyl Iodide	4.309	142	99	4.244	ug/l	# 40
15) Acrylonitrile	5.579	53	70	2.812	ug/l	# 18
16) Acetone	4.150	43	88	4.463	ug/l	# 38
18) Methyl Acetate	4.791	43	58	1.014	ug/l	# 48
20) Methylene Chloride	4.950	84	109	Below Cal	#	17
23) Vinyl Acetate	6.344	43	56	20.620	ug/l	# 71
25) 2-Butanone	7.214	43	67	2.506	ug/l	# 46
29) Tetrahydrofuran	7.555	42	203	11.735	ug/l	# 54
31) Cyclohexane	7.991	56	218	1.022	ug/l	# 1
36) 1,1-Dichloropropene	7.985	75	382	2.058	ug/l	# 42
38) Carbon Tetrachloride	7.985	117	1165	6.872	ug/l	# 12
41) Methacrylonitrile	7.403	41	66	1.861	ug/l	# 18
48) Methyl methacrylate	9.491	41	81	3.933	ug/l	# 13
51) 4-Methyl-2-Pentanone	10.326	43	113	1.792	ug/l	# 34
59) 2-Hexanone	10.873	43	83	1.990	ug/l	# 21
76) 1,2,3-Trichloropropane	12.632	75	3233	46.636	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.632	75	3233	141.481	ug/l	# 16
92) 1,2-Dibromo-3-Chloropr...	14.461	75	73	5.417	ug/l	# 7
95) Naphthalene	15.379	128	173	5.729	ug/l	# 69

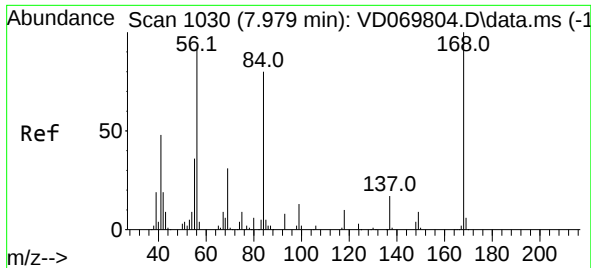
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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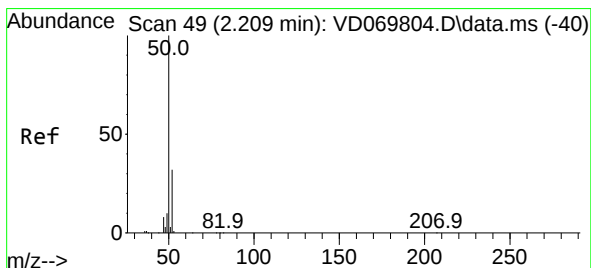
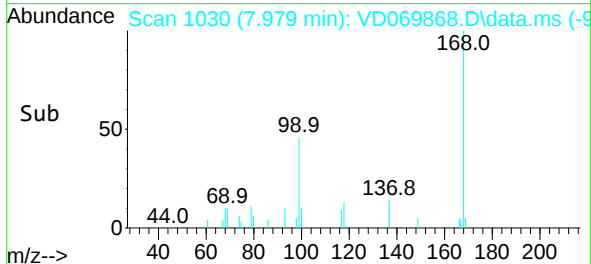
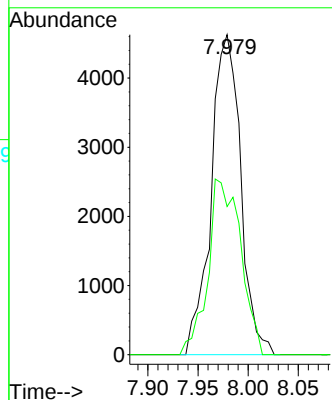
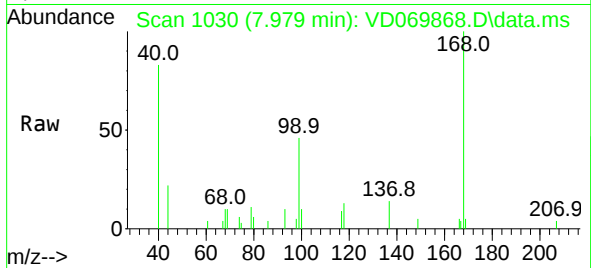




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069868.D
Acq: 27 Jul 2021 15:57

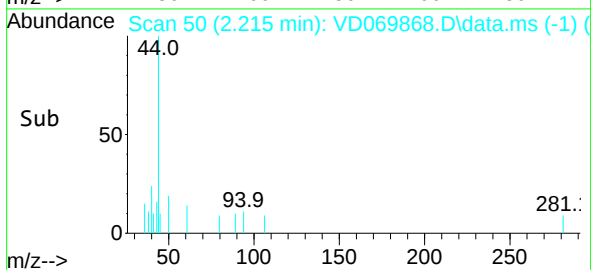
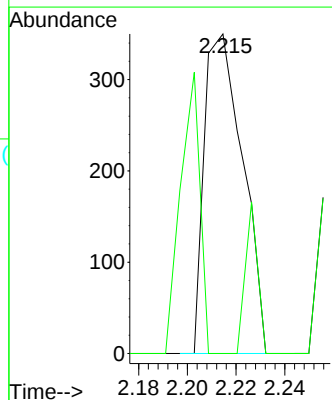
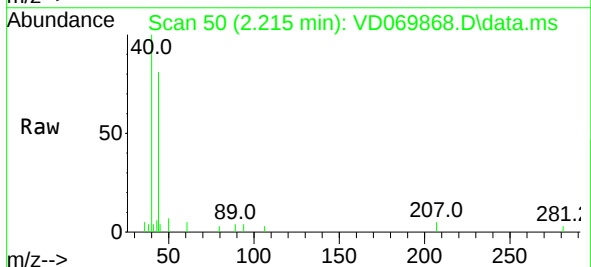
Instrument :
MSVOA_D
ClientSampled :

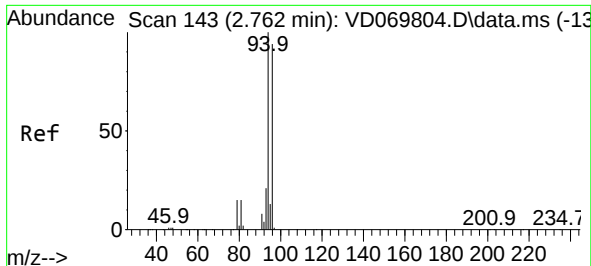
Tgt Ion:168 Resp: 9490
Ion Ratio Lower Upper
168 100
99 46.3 51.1 76.7#



#3
Chloromethane
Concen: 2.650 ug/l
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD069868.D
Acq: 27 Jul 2021 15:57

Tgt Ion: 50 Resp: 384
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

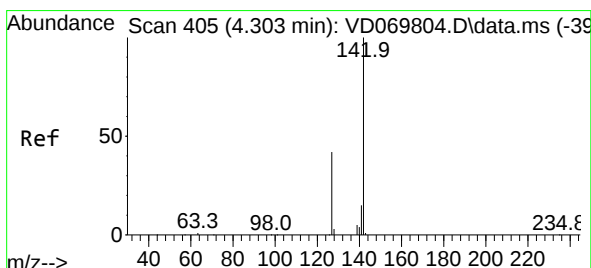
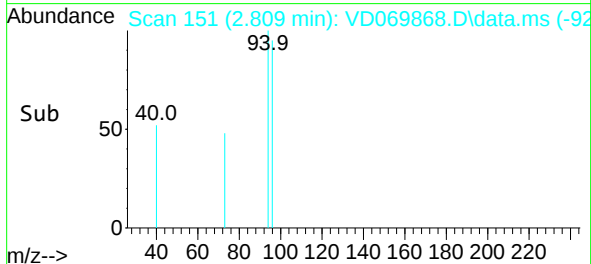
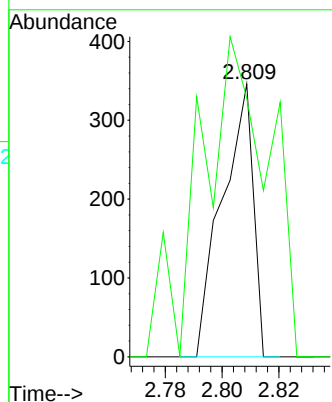
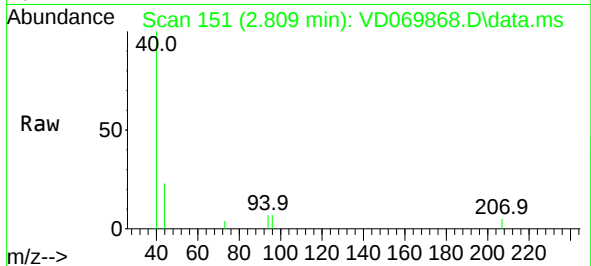




#5
Bromomethane
Concen: 1.042 ug/l
RT: 2.809 min Scan# 151
Delta R.T. 0.047 min
Lab File: VD069868.D
Acq: 27 Jul 2021 15:57

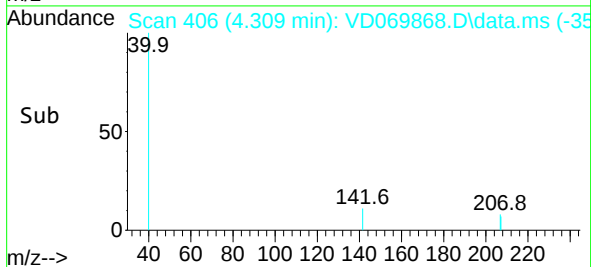
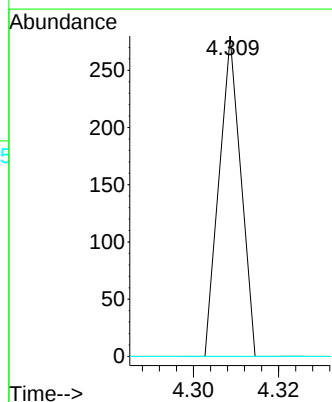
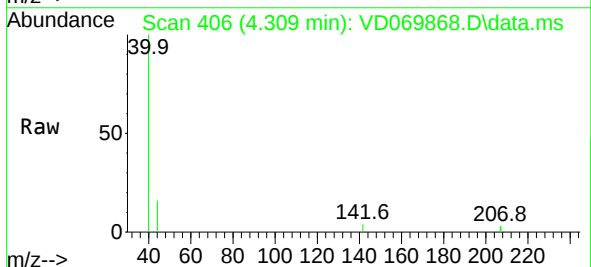
Instrument :
MSVOA_D
ClientSampled :

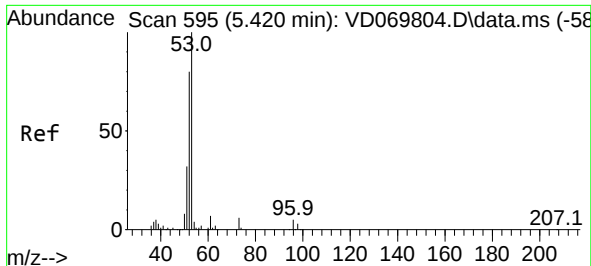
Tgt Ion: 94 Resp: 262
Ion Ratio Lower Upper
94 100
96 94.8 74.8 112.2



#10
Methyl Iodide
Concen: 4.244 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD069868.D
Acq: 27 Jul 2021 15:57

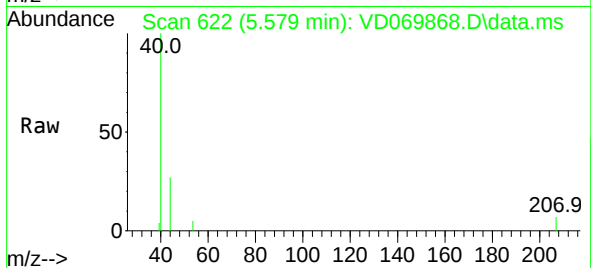
Tgt Ion:142 Resp: 99
Ion Ratio Lower Upper
142 100
127 0.0 35.7 53.5#
141 0.0 12.0 18.0#



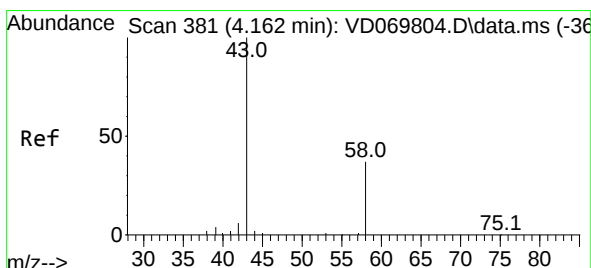
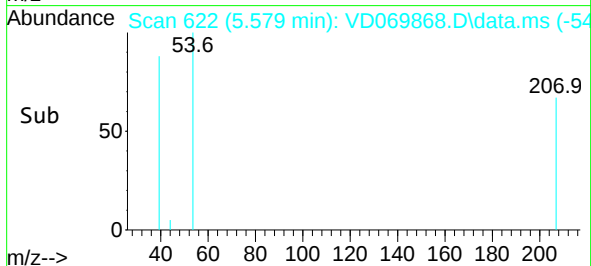
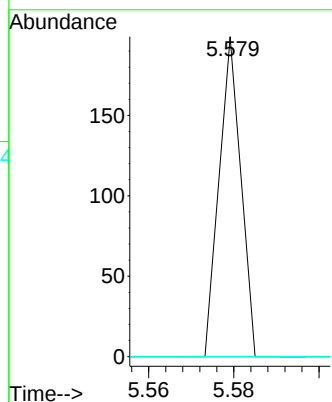


#15
Acrylonitrile
Concen: 2.812 ug/l
RT: 5.579 min Scan# 622
Delta R.T. 0.159 min
Lab File: VD069868.D
Acq: 27 Jul 2021 15:57

Instrument :
MSVOA_D
ClientSampled :

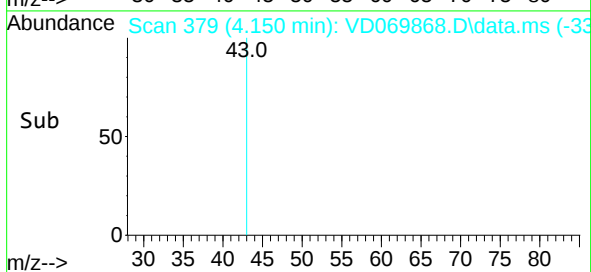
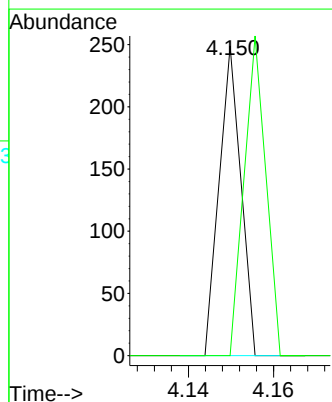
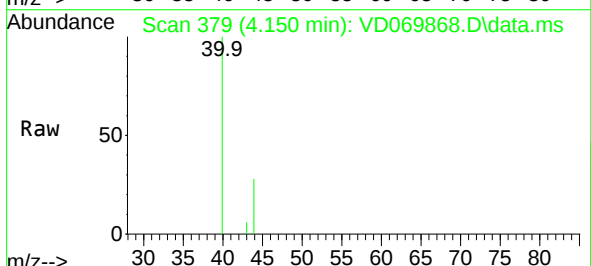


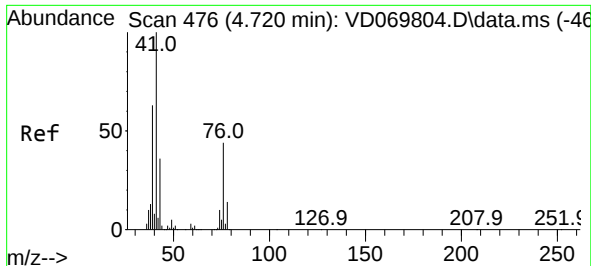
Tgt Ion: 53 Resp: 70
Ion Ratio Lower Upper
53 100
52 0.0 65.3 97.9#
51 0.0 28.3 42.5#



#16
Acetone
Concen: 4.463 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.012 min
Lab File: VD069868.D
Acq: 27 Jul 2021 15:57

Tgt Ion: 43 Resp: 88
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.0#

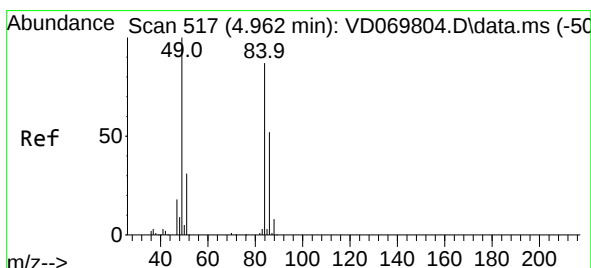
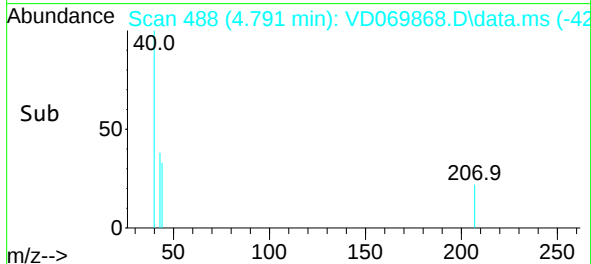
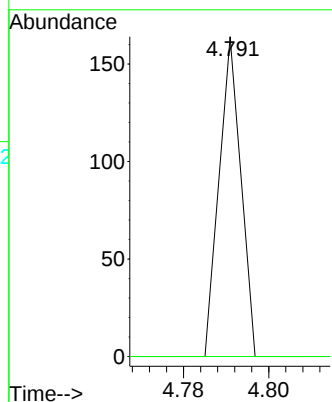
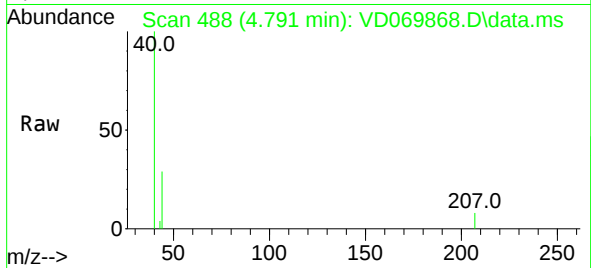




#18
Methyl Acetate
Concen: 1.014 ug/l
RT: 4.791 min Scan# 488
Delta R.T. 0.070 min
Lab File: VD069868.D
Acq: 27 Jul 2021 15:57

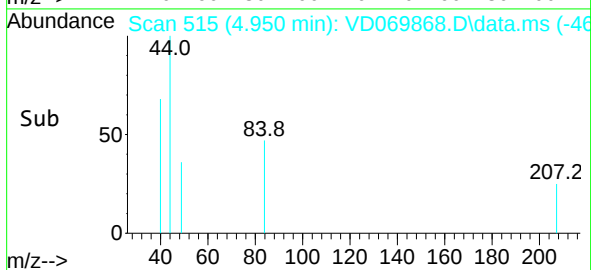
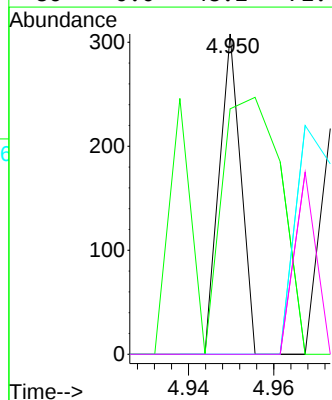
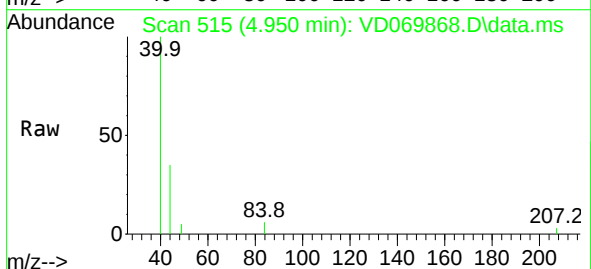
Instrument :
MSVOA_D
ClientSampled :

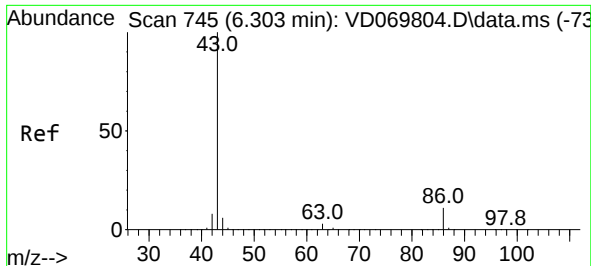
Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
74 0.0 21.4 32.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 515
Delta R.T. -0.012 min
Lab File: VD069868.D
Acq: 27 Jul 2021 15:57

Tgt Ion: 84 Resp: 109
Ion Ratio Lower Upper
84 100
49 16.6 92.4 138.6#
51 0.0 28.5 42.7#
86 0.0 48.2 72.4#

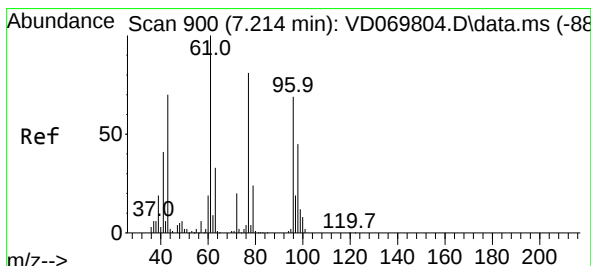
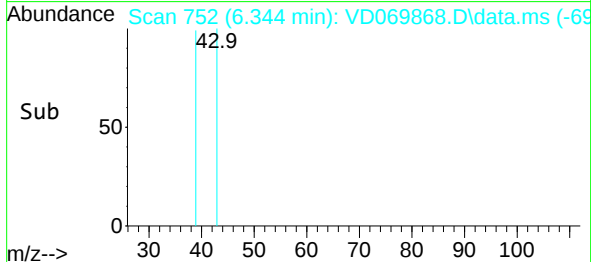
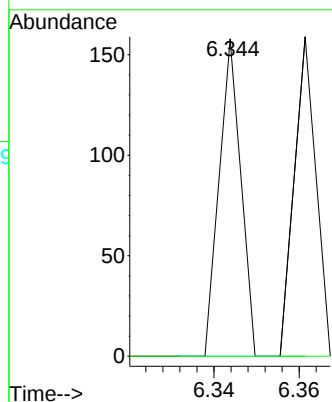
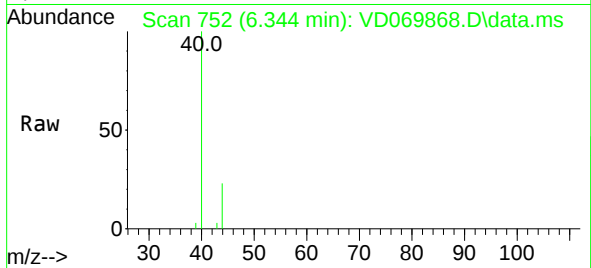




#23
 Vinyl Acetate
 Concen: 20.620 ug/l
 RT: 6.344 min Scan# 752
 Delta R.T. 0.041 min
 Lab File: VD069868.D
 Acq: 27 Jul 2021 15:57

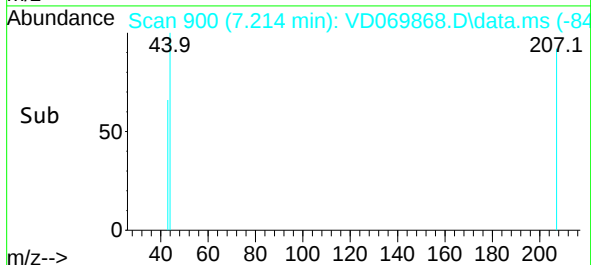
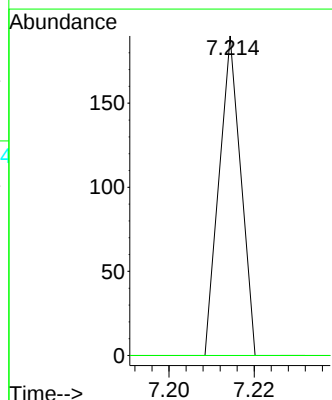
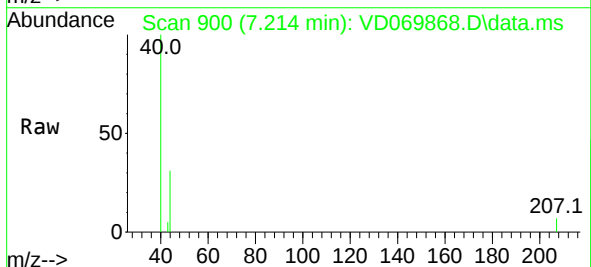
Instrument :
 MSVOA_D
 ClientSampled :

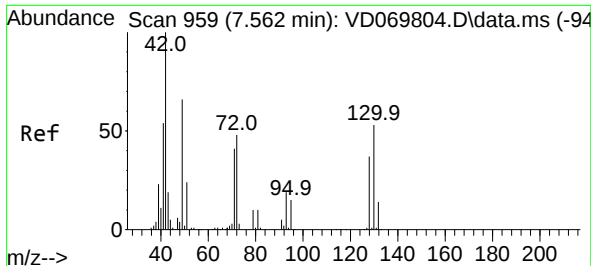
Tgt Ion: 43 Resp: 56
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#25
 2-Butanone
 Concen: 2.506 ug/l
 RT: 7.214 min Scan# 900
 Delta R.T. -0.000 min
 Lab File: VD069868.D
 Acq: 27 Jul 2021 15:57

Tgt Ion: 43 Resp: 67
 Ion Ratio Lower Upper
 43 100
 72 0.0 22.8 34.2#





#29

Tetrahydrofuran

Concen: 11.735 ug/l

RT: 7.555 min Scan# 958

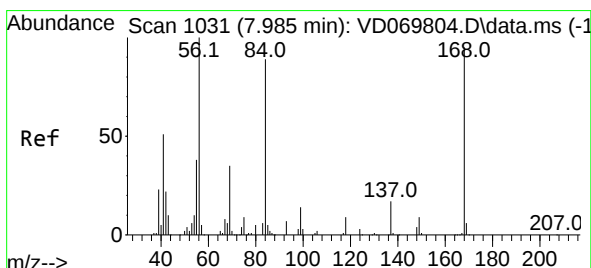
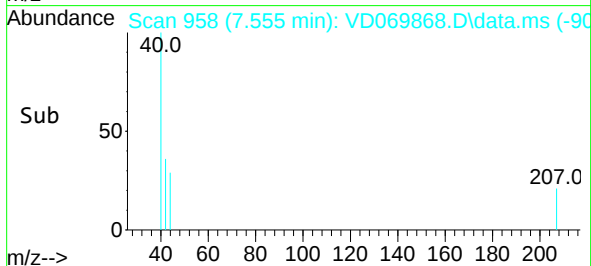
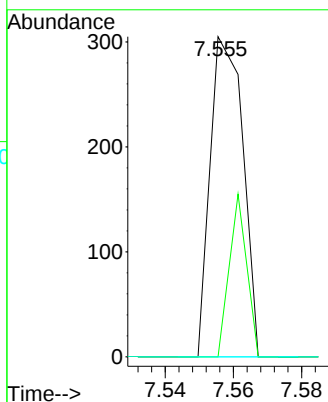
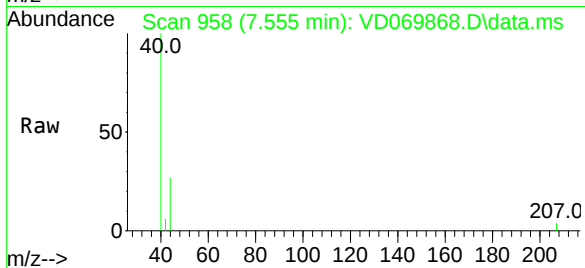
Delta R.T. -0.006 min

Lab File: VD069868.D

Acq: 27 Jul 2021 15:57

Tgt Ion:	42	Resp:	203
Ion	Ratio	Lower	Upper
42	100		
72	27.1	36.5	54.7#
71	0.0	33.5	50.3#

Instrument :
MSVOA_D
ClientSampleId :



#31

Cyclohexane

Concen: 1.022 ug/l

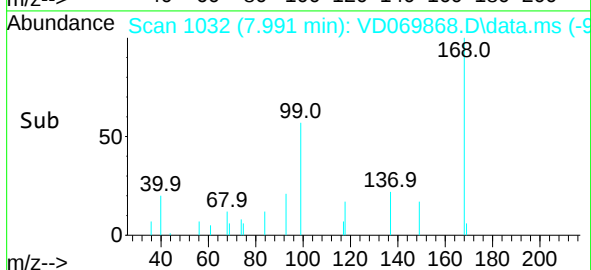
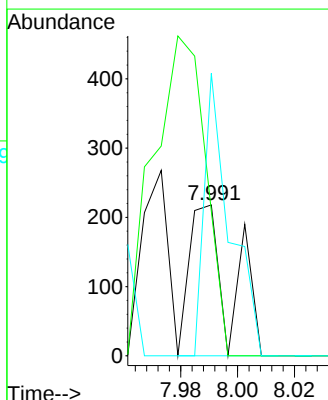
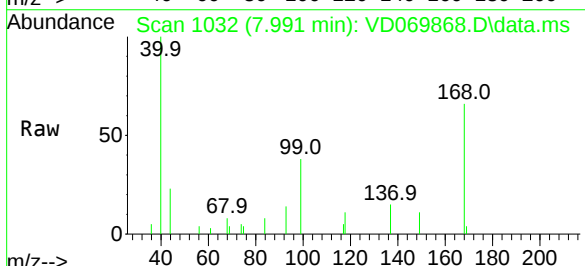
RT: 7.991 min Scan# 1032

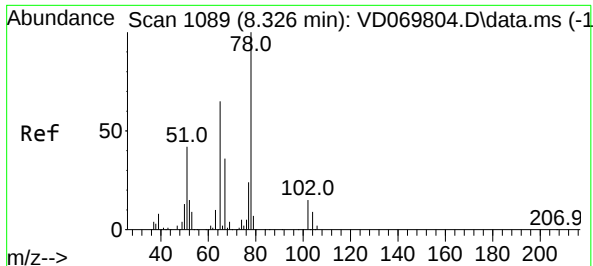
Delta R.T. 0.006 min

Lab File: VD069868.D

Acq: 27 Jul 2021 15:57

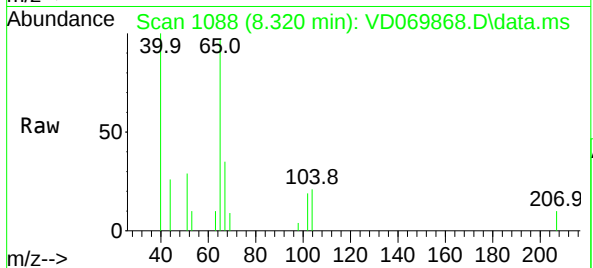
Tgt Ion:	56	Resp:	218
Ion	Ratio	Lower	Upper
56	100		
69	95.9	27.9	41.9#
84	187.2	71.4	107.2#



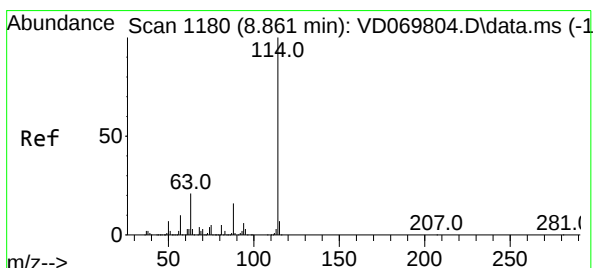
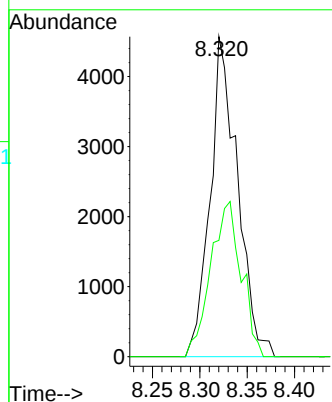
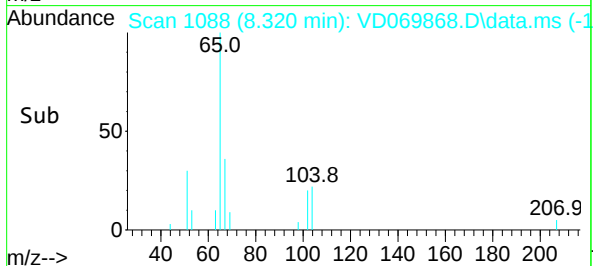


#33
1,2-Dichloroethane-d4
Concen: 84.146 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD069868.D
Acq: 27 Jul 2021 15:57

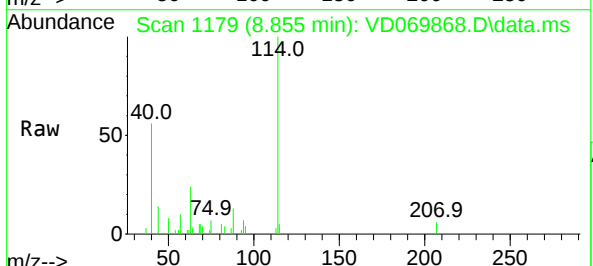
Instrument :
MSVOA_D
ClientSampled :



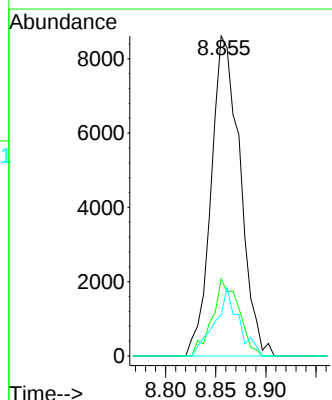
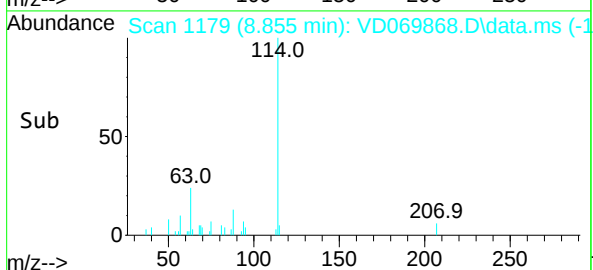
Tgt Ion: 65 Resp: 9184
Ion Ratio Lower Upper
65 100
67 54.1 0.0 111.2

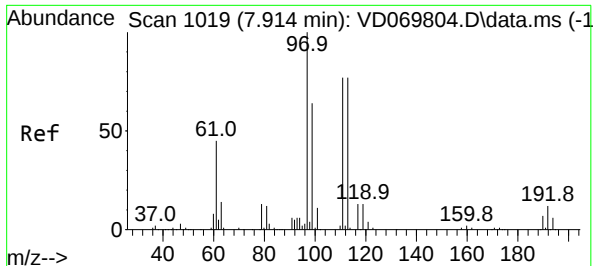


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1179
Delta R.T. -0.006 min
Lab File: VD069868.D
Acq: 27 Jul 2021 15:57



Tgt Ion: 114 Resp: 17199
Ion Ratio Lower Upper
114 100
63 24.1 0.0 41.6
88 12.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.761 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD069868.D

Acq: 27 Jul 2021 15:57

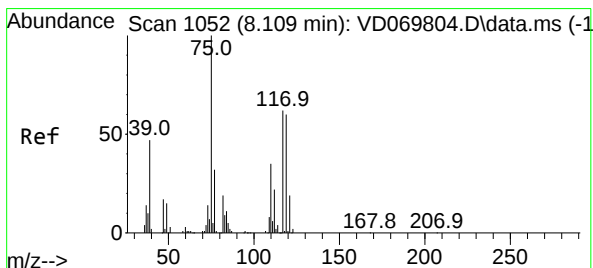
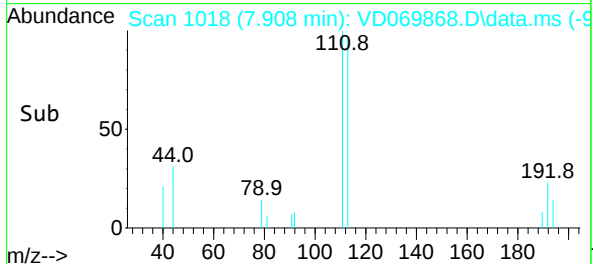
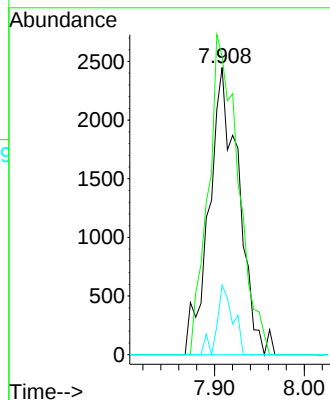
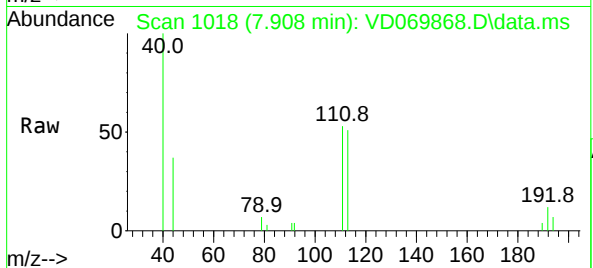
Tgt Ion:113 Resp: 5612

Ion Ratio Lower Upper

113 100

111 113.2 80.5 120.7

192 13.2 12.6 19.0



#36

1,1-Dichloropropene

Concen: 2.058 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.124 min

Lab File: VD069868.D

Acq: 27 Jul 2021 15:57

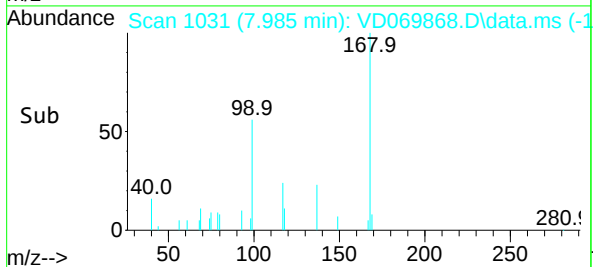
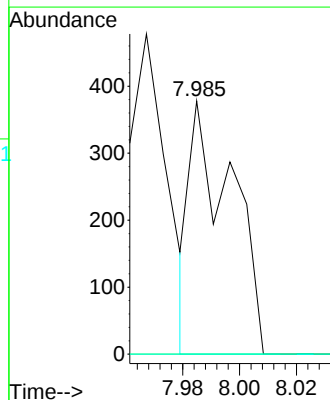
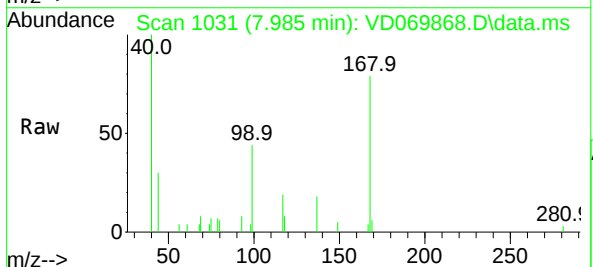
Tgt Ion: 75 Resp: 382

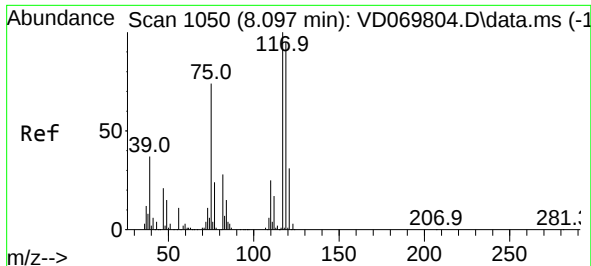
Ion Ratio Lower Upper

75 100

110 0.0 16.9 50.7#

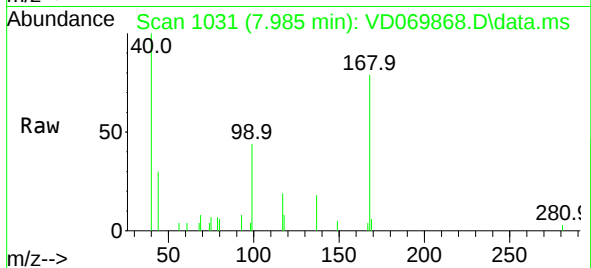
77 0.0 24.9 37.3#



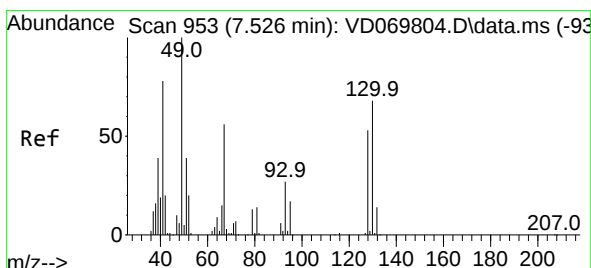
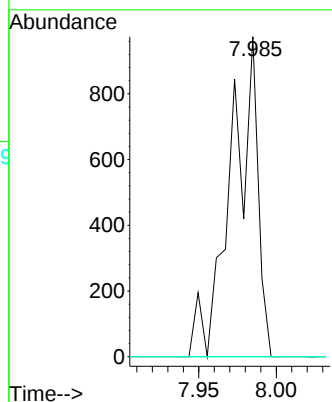
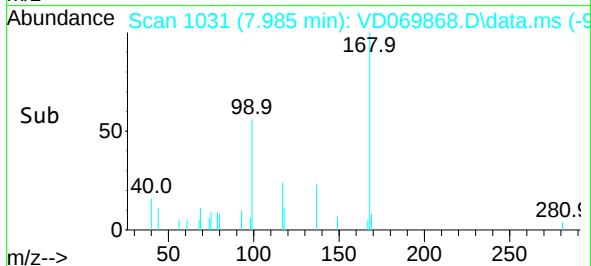


#38
Carbon Tetrachloride
Concen: 6.872 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD069868.D
Acq: 27 Jul 2021 15:57

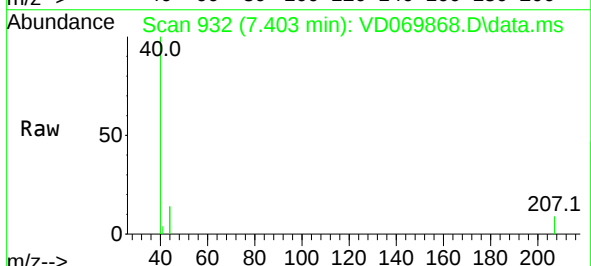
Instrument :
MSVOA_D
ClientSampled :



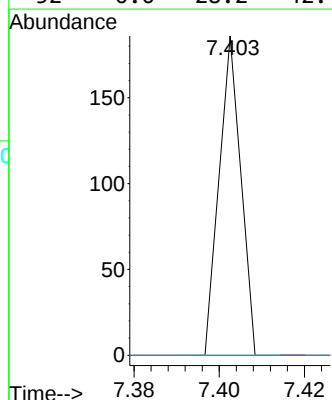
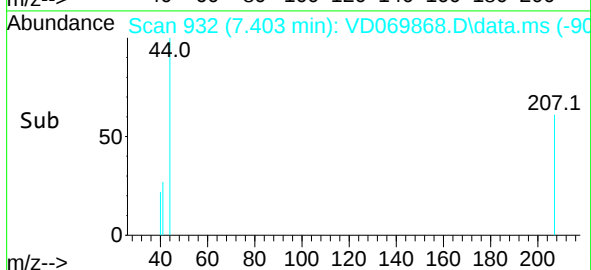
Tgt Ion: 117 Resp: 1165
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.2#
121 0.0 24.5 36.7#

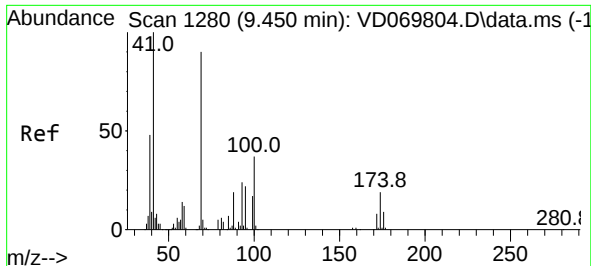


#41
Methacrylonitrile
Concen: 1.861 ug/l
RT: 7.403 min Scan# 932
Delta R.T. -0.124 min
Lab File: VD069868.D
Acq: 27 Jul 2021 15:57



Tgt Ion: 41 Resp: 66
Ion Ratio Lower Upper
41 100
39 0.0 46.7 70.1#
67 0.0 69.3 103.9#
52 0.0 28.2 42.4#

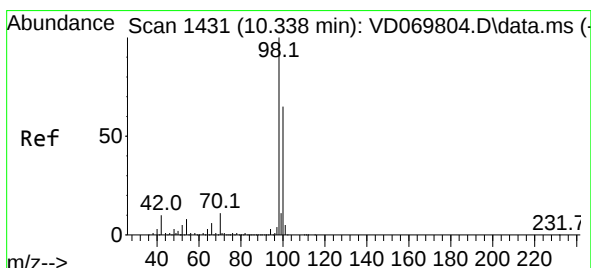
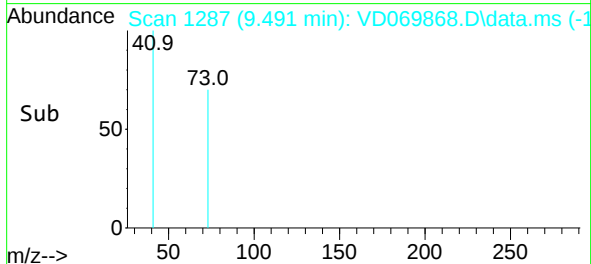
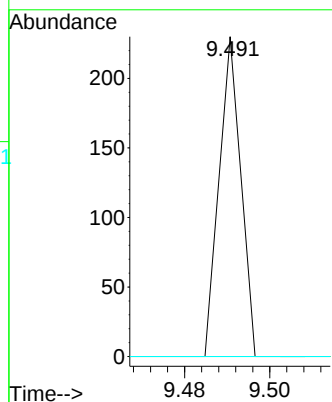
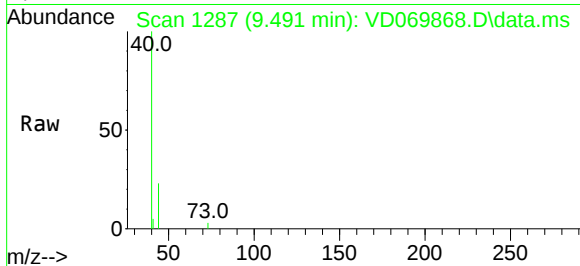




#48
Methyl methacrylate
Concen: 3.933 ug/l
RT: 9.491 min Scan# 1287
Delta R.T. 0.041 min
Lab File: VD069868.D
Acq: 27 Jul 2021 15:57

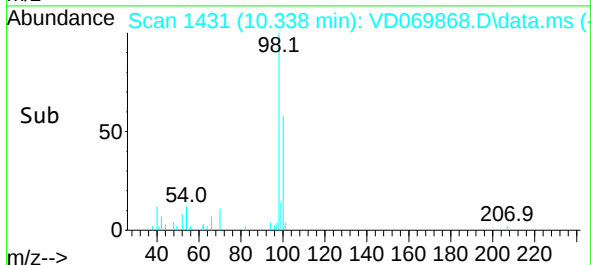
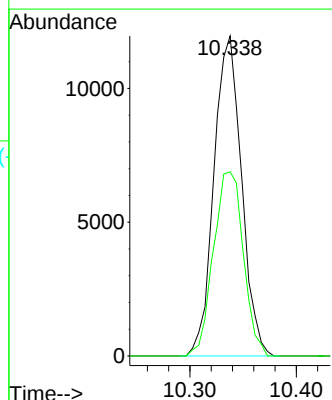
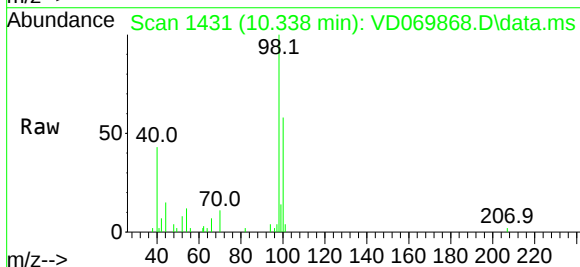
Instrument :
MSVOA_D
ClientSampled :

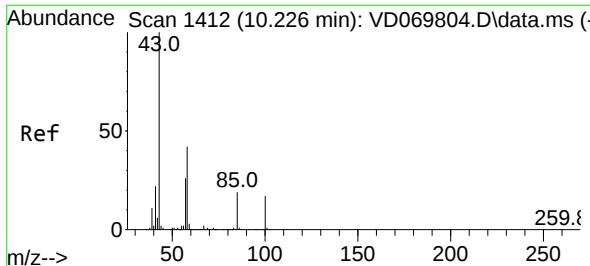
Tgt Ion: 41 Resp: 81
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#



#50
Toluene-d8
Concen: 51.448 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069868.D
Acq: 27 Jul 2021 15:57

Tgt Ion: 98 Resp: 21509
Ion Ratio Lower Upper
98 100
100 62.3 51.9 77.9

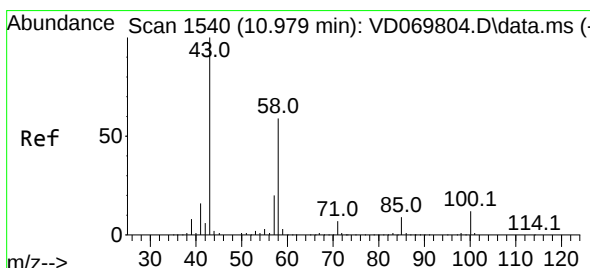
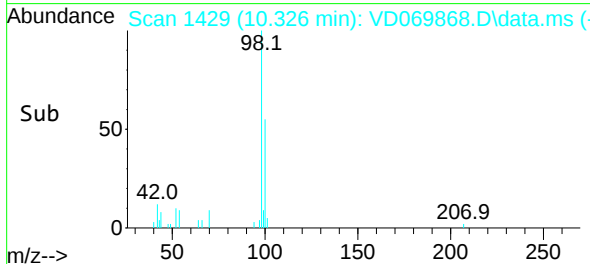
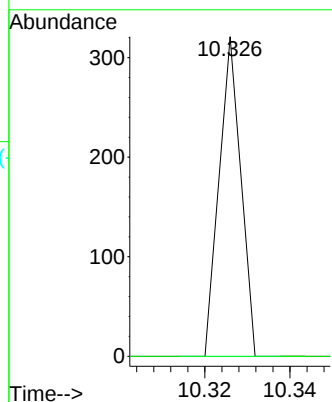
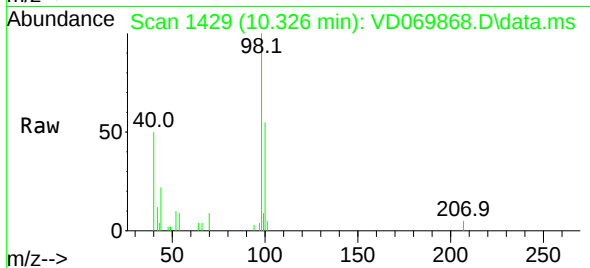




#51
4-Methyl-2-Pentanone
Concen: 1.792 ug/l
RT: 10.326 min Scan# 1429
Delta R.T. 0.100 min
Lab File: VD069868.D
Acq: 27 Jul 2021 15:57

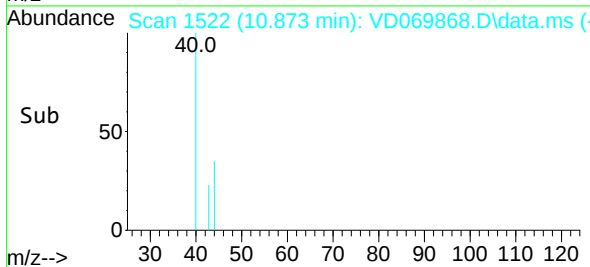
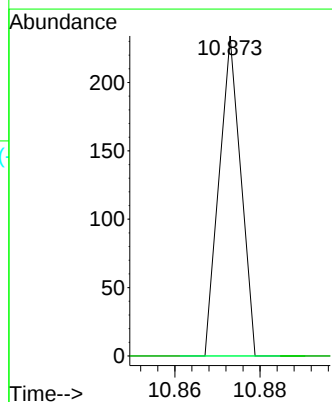
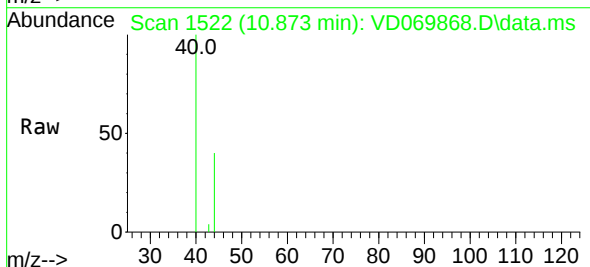
Instrument :
MSVOA_D
ClientSampled :

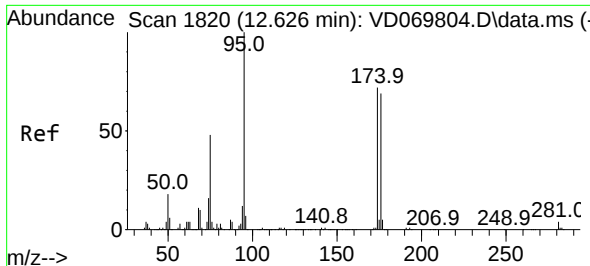
Tgt Ion: 43 Resp: 113
Ion Ratio Lower Upper
43 100
58 0.0 33.7 50.5#



#59
2-Hexanone
Concen: 1.990 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.106 min
Lab File: VD069868.D
Acq: 27 Jul 2021 15:57

Tgt Ion: 43 Resp: 83
Ion Ratio Lower Upper
43 100
58 0.0 29.4 88.3#

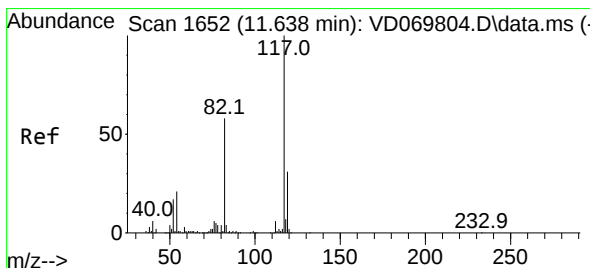
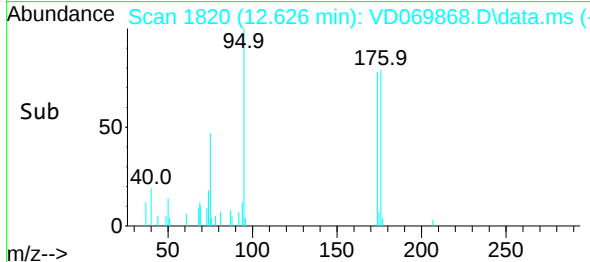
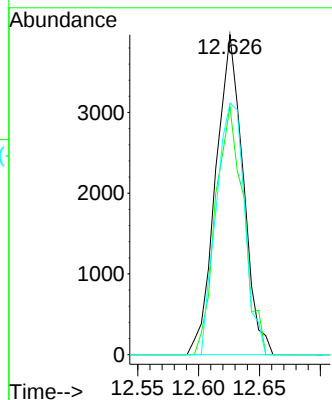
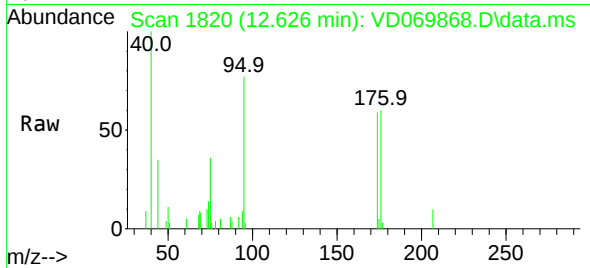




#62
4-Bromofluorobenzene
Concen: 44.496 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069868.D
Acq: 27 Jul 2021 15:57

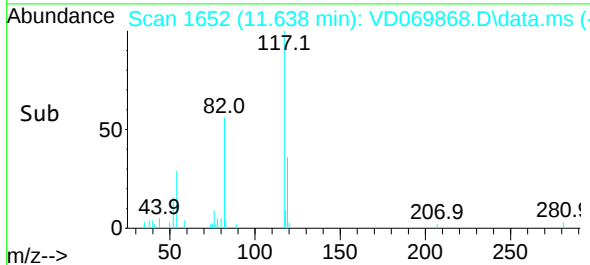
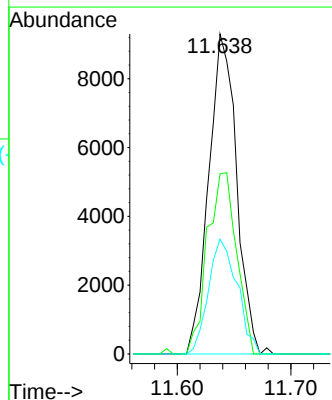
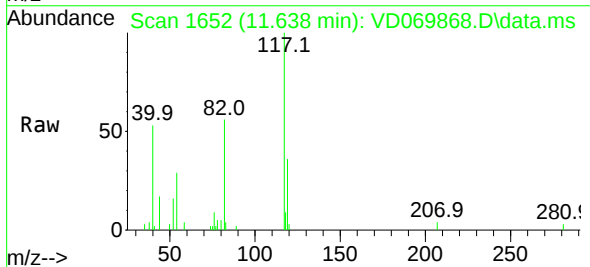
Instrument :
MSVOA_D
ClientSampleId :

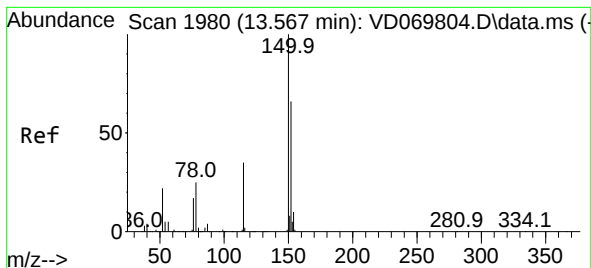
Tgt Ion: 95 Resp: 6217
Ion Ratio Lower Upper
95 100
174 78.8 0.0 142.6
176 81.5 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069868.D
Acq: 27 Jul 2021 15:57

Tgt Ion: 117 Resp: 15830
Ion Ratio Lower Upper
117 100
82 56.3 46.3 69.5
119 35.9 24.7 37.1

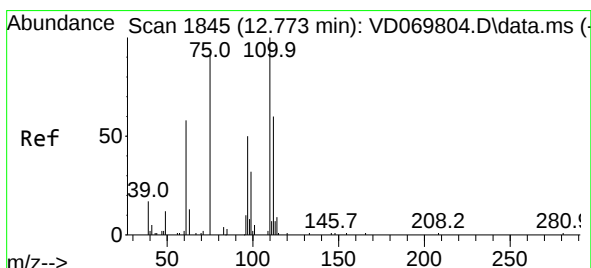
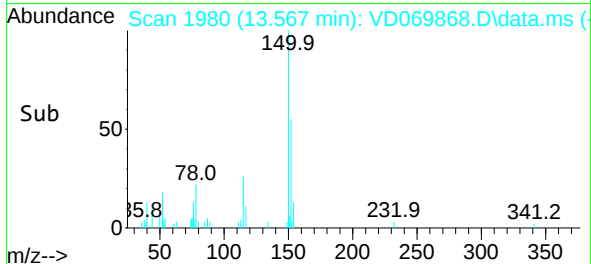
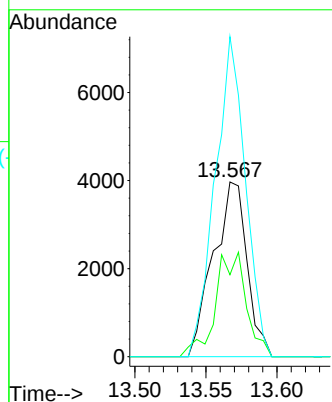
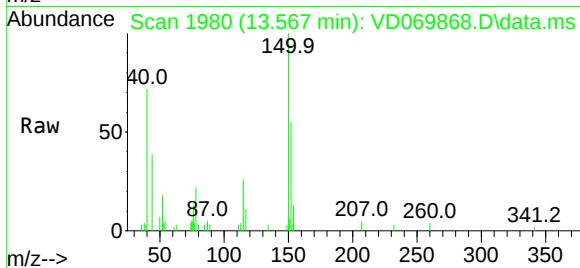




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069868.D
 Acq: 27 Jul 2021 15:57

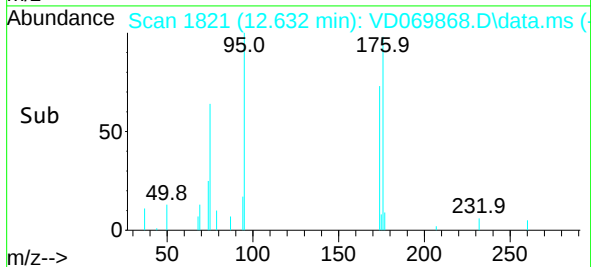
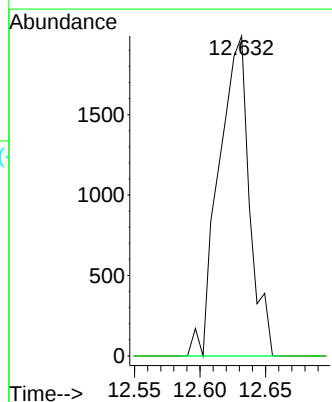
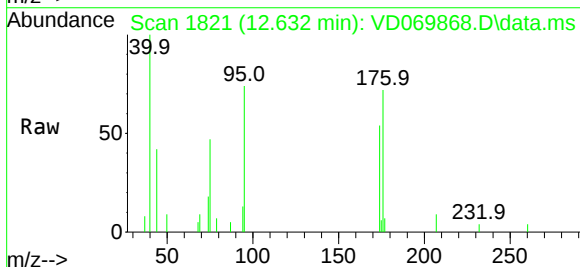
Instrument :
 MSVOA_D
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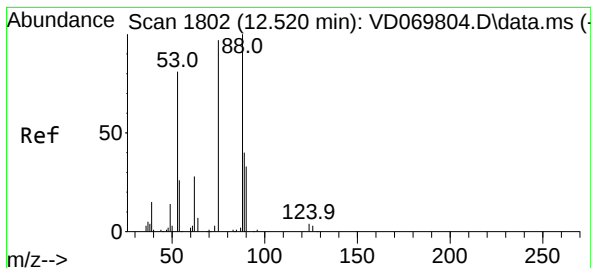
Tgt Ion:152 Resp: 6522
 Ion Ratio Lower Upper
 152 100
 115 54.4 31.1 93.3
 150 165.4 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 46.636 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. -0.141 min
 Lab File: VD069868.D
 Acq: 27 Jul 2021 15:57

Tgt Ion: 75 Resp: 3233
 Ion Ratio Lower Upper
 75 100
 77 0.0 181.5 544.5#

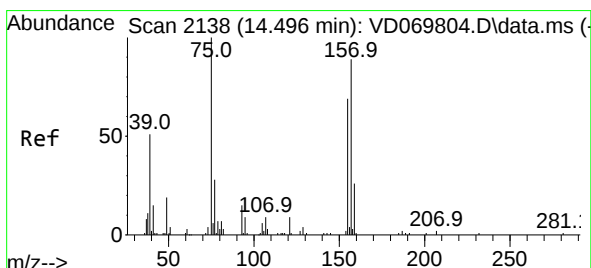
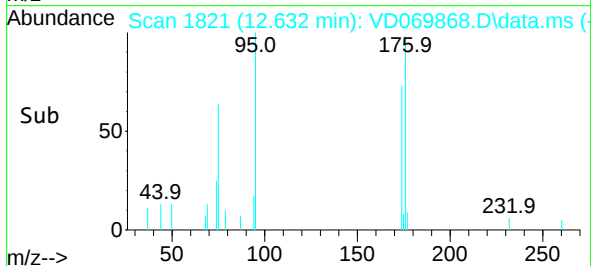
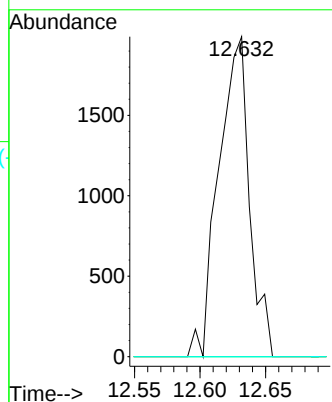
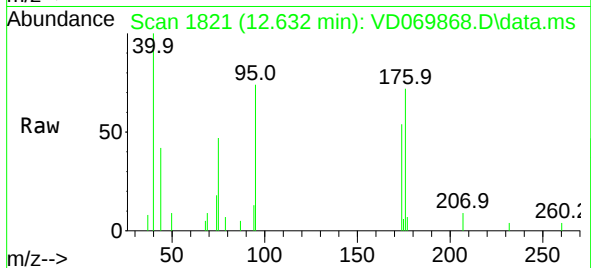




#81
trans-1,4-Dichloro-2-butene
Concen: 141.481 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.112 min
Lab File: VD069868.D
Acq: 27 Jul 2021 15:57

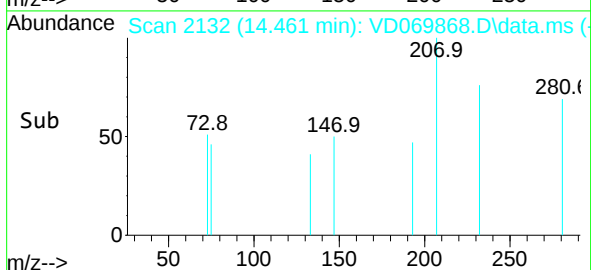
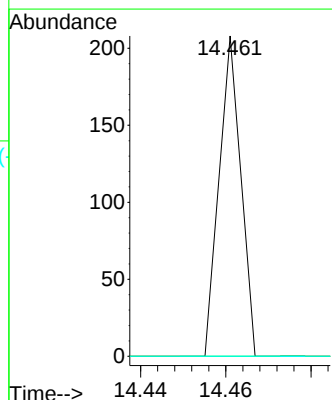
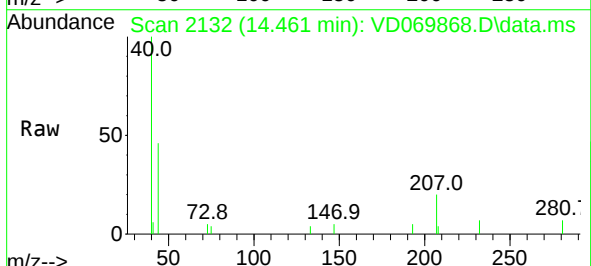
Instrument :
MSVOA_D
ClientSampleId :

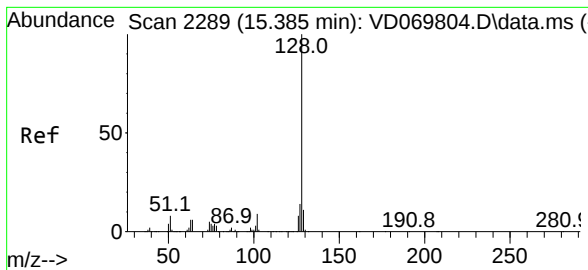
Tgt Ion: 75 Resp: 3233
Ion Ratio Lower Upper
75 100
53 0.0 67.2 100.8#
89 0.0 35.8 53.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.417 ug/l
RT: 14.461 min Scan# 2132
Delta R.T. -0.035 min
Lab File: VD069868.D
Acq: 27 Jul 2021 15:57

Tgt Ion: 75 Resp: 73
Ion Ratio Lower Upper
75 100
155 0.0 36.3 108.9#
157 0.0 47.0 141.0#





#95
Naphthalene
Concen: 5.729 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD069868.D
Acq: 27 Jul 2021 15:57

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 173
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#

