

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050521\
 Data File : VD069071.D
 Acq On : 05 May 2021 16:07
 Operator : VA/SY
 Sample : M2296-01
 Misc : 7.24G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 06 05:45:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 04:16:41 2021
 Response via : Initial Calibration

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

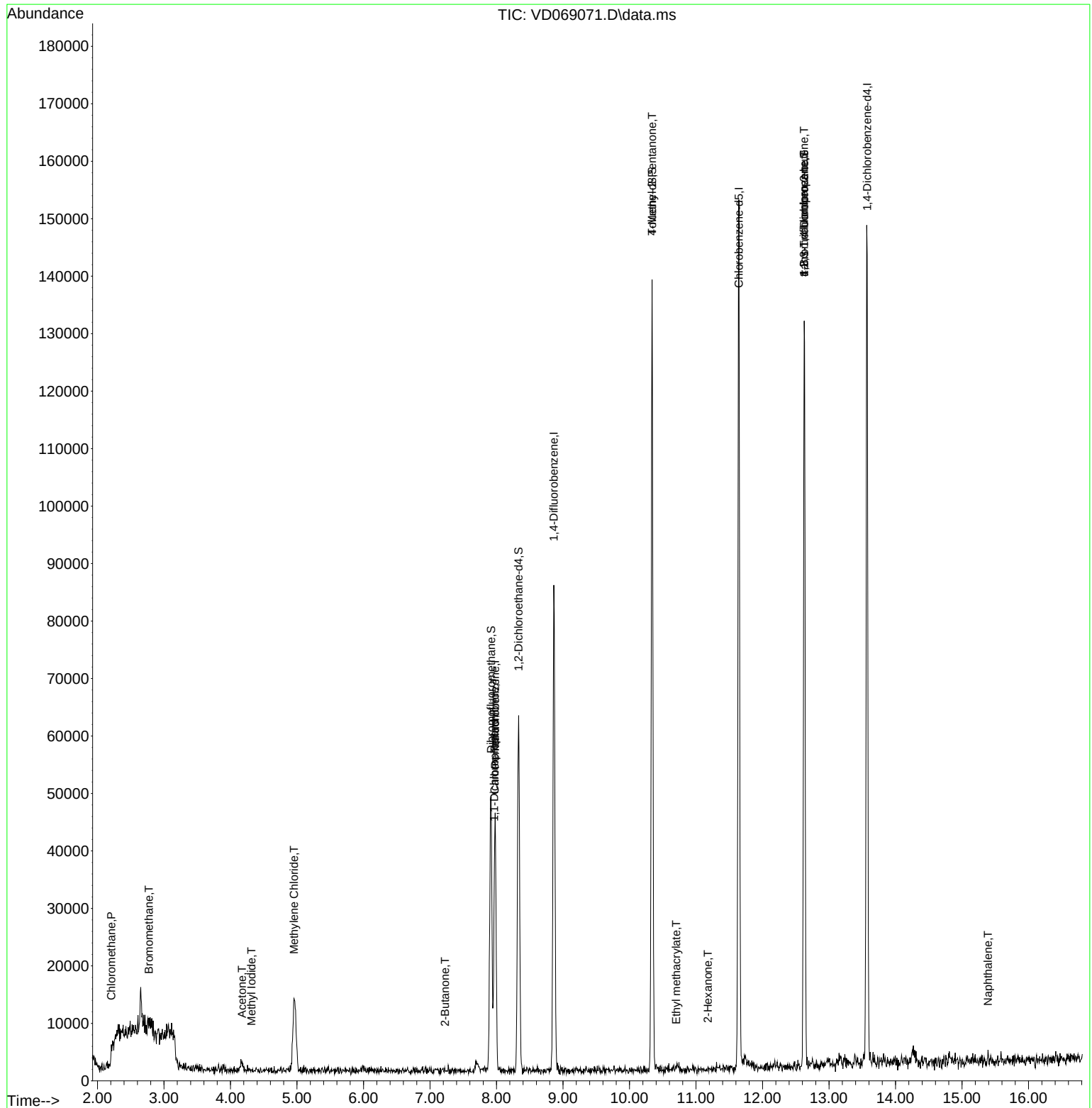
Internal Standards						
1) Pentafluorobenzene	7.979	168	31094	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	70601	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	81545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	36494	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	50371	125.70	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 251.40%#			
35) Dibromofluoromethane	7.920	113	33899	70.02	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 140.04%			
50) Toluene-d8	10.338	98	88762	49.66	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.32%			
62) 4-Bromofluorobenzene	12.626	95	35418	60.24	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 120.48%			
Target Compounds					Qvalue	
3) Chloromethane	2.209	50	543	1.17	ug/l #	39
5) Bromomethane	2.774	94	1053	2.88	ug/l	93
10) Methyl Iodide	4.315	142	61	3.34	ug/l #	35
16) Acetone	4.173	43	2462	21.08	ug/l #	85
20) Methylene Chloride	4.956	84	10368	22.70	ug/l	95
25) 2-Butanone	7.226	43	132	1.54	ug/l #	46
36) 1,1-Dichloropropene	7.967	75	3123	4.20	ug/l #	42
38) Carbon Tetrachloride	7.973	117	3264	4.05	ug/l #	13
51) 4-Methyl-2-Pentanone	10.338	43	487	1.81	ug/l #	1
56) Ethyl methacrylate	10.703	69	59	2.49	ug/l #	3
59) 2-Hexanone	11.179	43	196	1.08	ug/l	68
76) 1,2,3-Trichloropropane	12.626	75	19643	61.83	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	19643	134.54	ug/l #	9
95) Naphthalene	15.390	128	1062	3.64	ug/l #	77

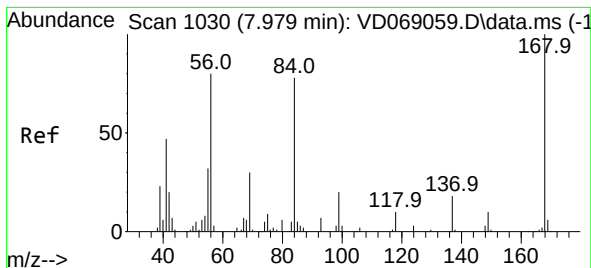
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
ClientSampled :

Quant Time: May 06 05:45:58 2021
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Response via : Initial Calibration

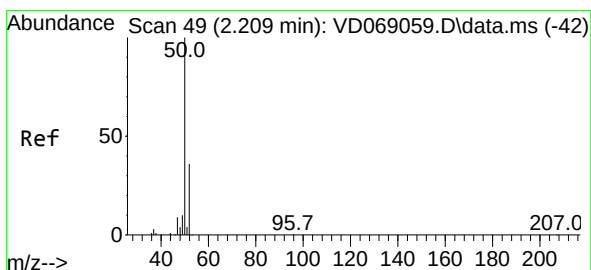
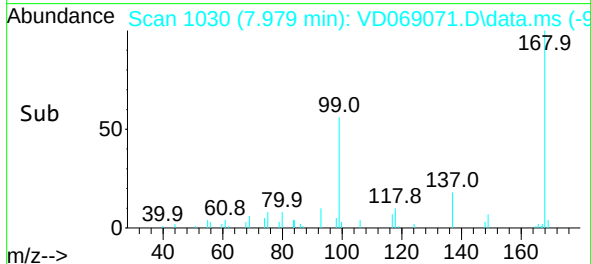
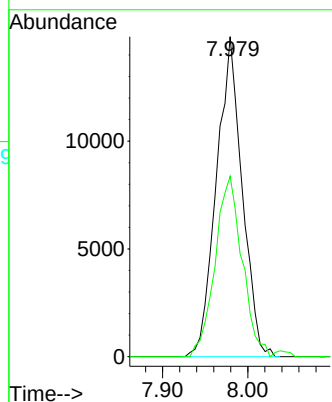
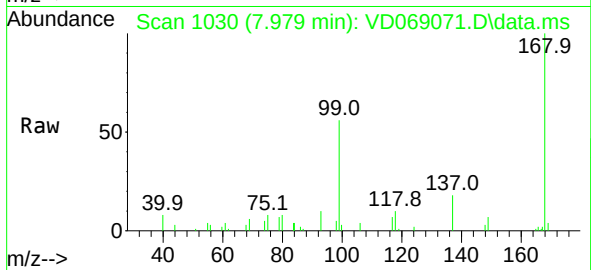




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069071.D
Acq: 05 May 2021 16:07

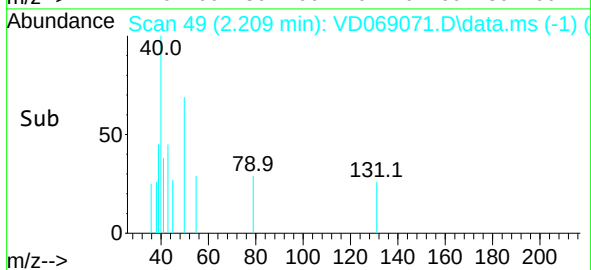
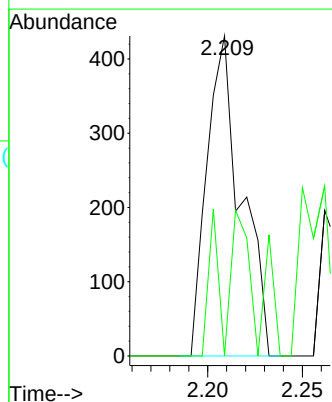
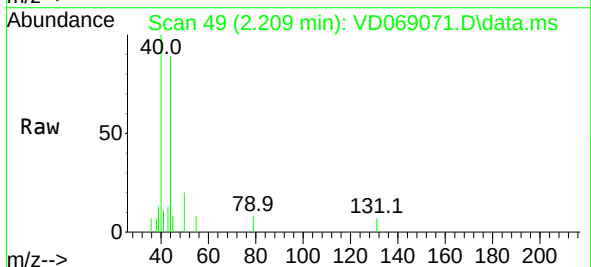
Instrument :
MSVOA_D
ClientSampled :

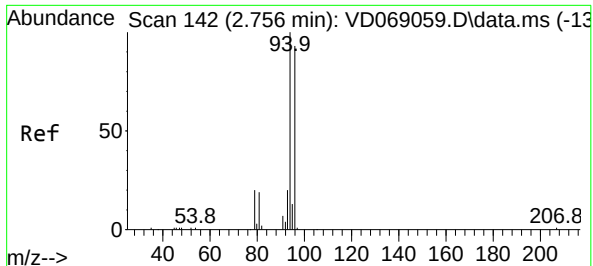
Tgt Ion:168 Resp: 31094
Ion Ratio Lower Upper
168 100
99 56.4 52.6 78.8



#3
Chloromethane
Concen: 1.17 ug/l
RT: 2.209 min Scan# 49
Delta R.T. 0.000 min
Lab File: VD069071.D
Acq: 05 May 2021 16:07

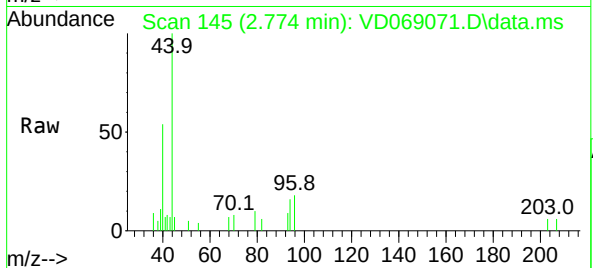
Tgt Ion: 50 Resp: 543
Ion Ratio Lower Upper
50 100
52 0.0 28.5 42.7#



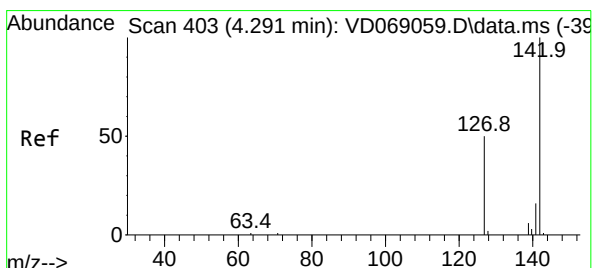
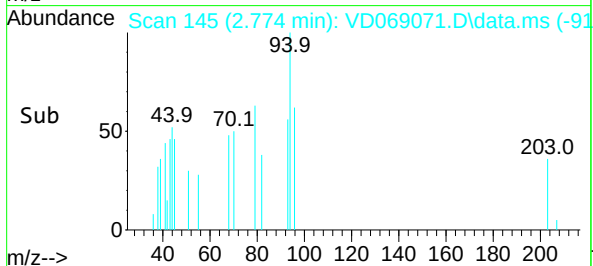
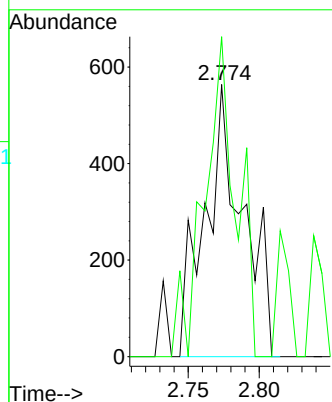


#5
Bromomethane
Concen: 2.88 ug/l
RT: 2.774 min Scan# 145
Delta R.T. 0.018 min
Lab File: VD069071.D
Acq: 05 May 2021 16:07

Instrument :
MSVOA_D
ClientSampleId :

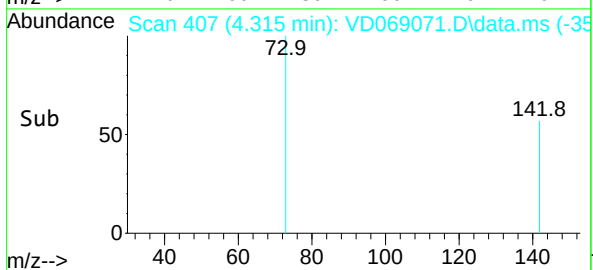
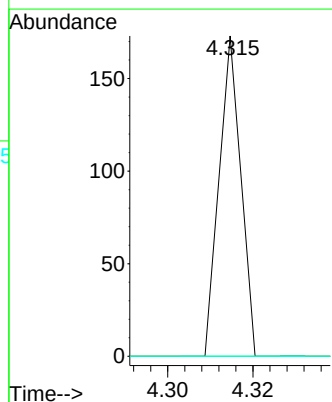
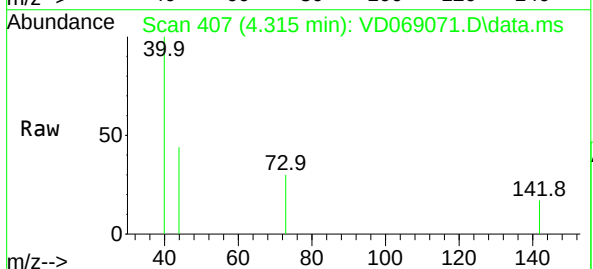


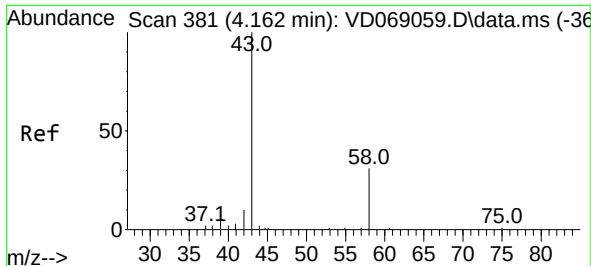
Tgt Ion: 94 Resp: 1053
Ion Ratio Lower Upper
94 100
96 86.0 74.3 111.5



#10
Methyl Iodide
Concen: 3.34 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.024 min
Lab File: VD069071.D
Acq: 05 May 2021 16:07

Tgt Ion: 142 Resp: 61
Ion Ratio Lower Upper
142 100
127 0.0 41.6 62.4#
141 0.0 12.2 18.4#

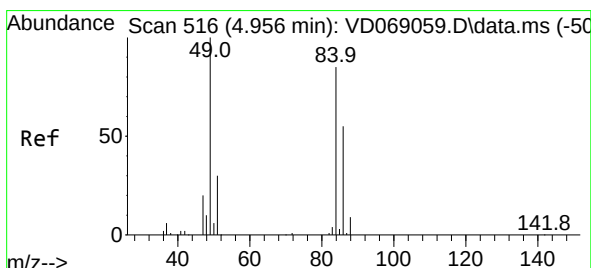
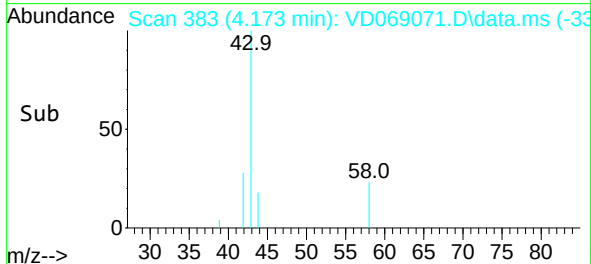
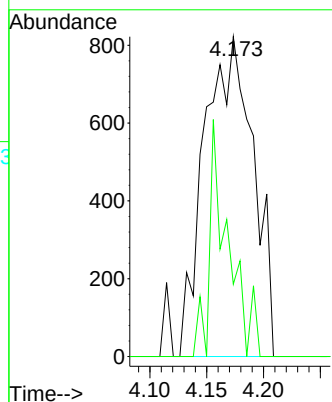
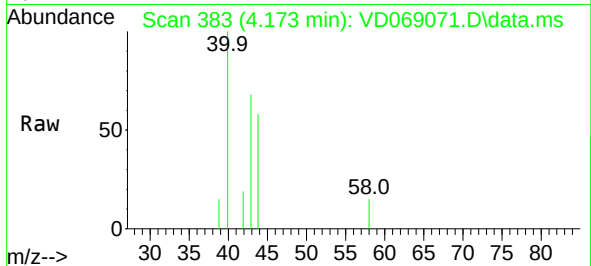




#16
Acetone
Concen: 21.08 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.011 min
Lab File: VD069071.D
Acq: 05 May 2021 16:07

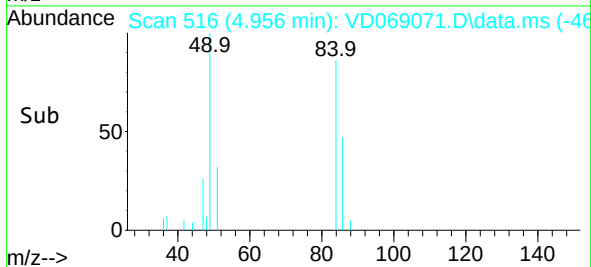
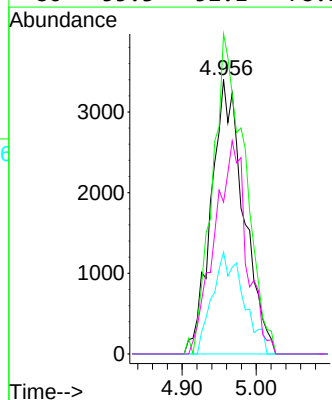
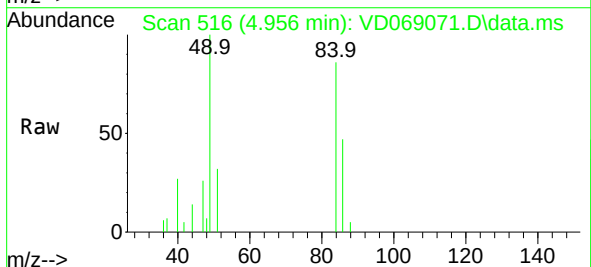
Instrument :
MSVOA_D
ClientSampled :

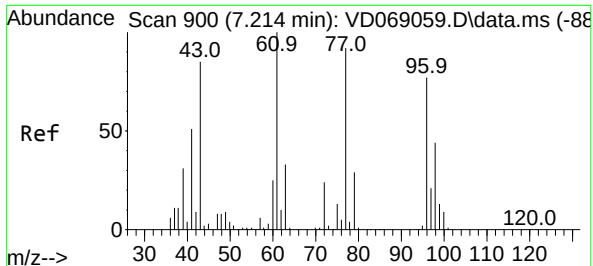
Tgt Ion: 43 Resp: 2462
Ion Ratio Lower Upper
43 100
58 22.6 24.5 36.7#



#20
Methylene Chloride
Concen: 22.70 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.000 min
Lab File: VD069071.D
Acq: 05 May 2021 16:07

Tgt Ion: 84 Resp: 10368
Ion Ratio Lower Upper
84 100
49 116.6 93.9 140.9
51 37.1 27.9 41.9
86 55.3 52.1 78.1

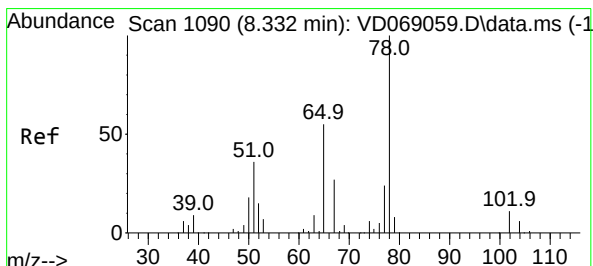
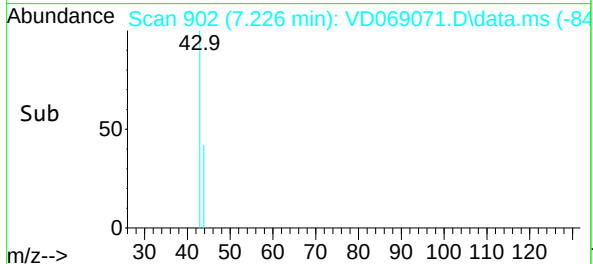
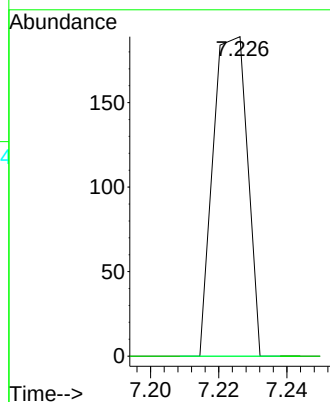
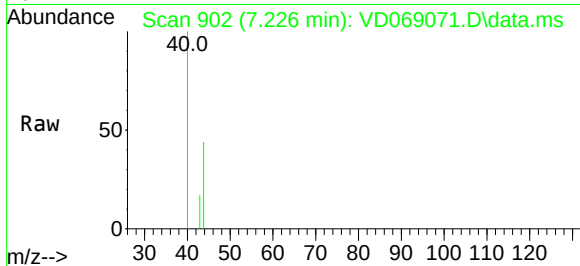




#25
2-Butanone
Concen: 1.54 ug/l
RT: 7.226 min Scan# 902
Delta R.T. 0.012 min
Lab File: VD069071.D
Acq: 05 May 2021 16:07

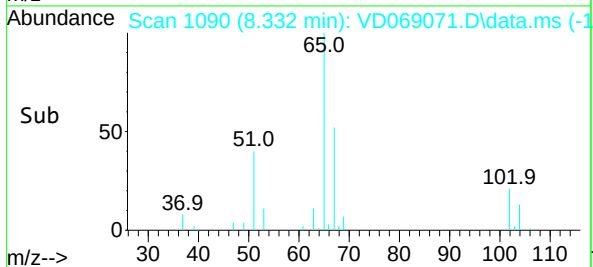
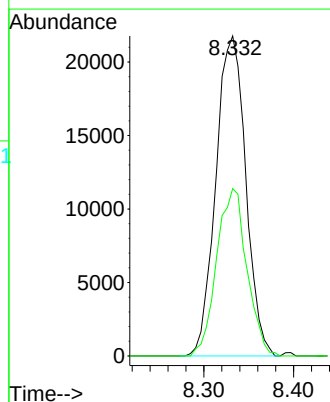
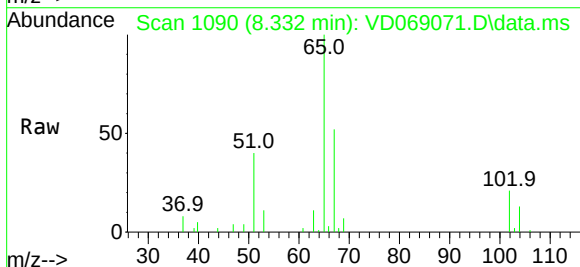
Instrument :
MSVOA_D
ClientSampled :

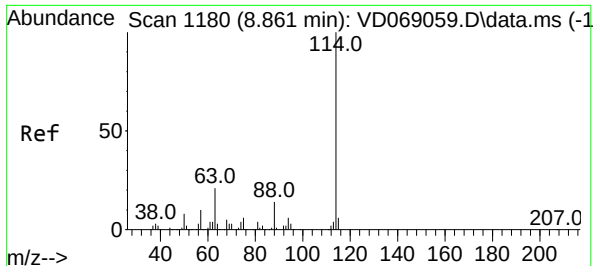
Tgt Ion: 43 Resp: 132
Ion Ratio Lower Upper
43 100
72 0.0 23.0 34.4#



#33
1,2-Dichloroethane-d4
Concen: 125.70 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069071.D
Acq: 05 May 2021 16:07

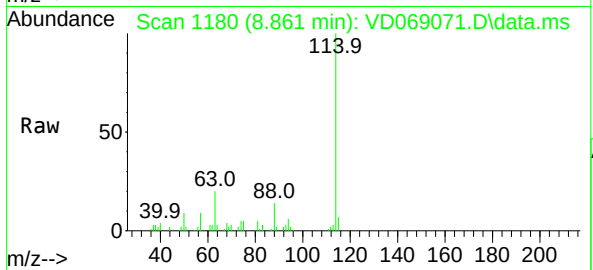
Tgt Ion: 65 Resp: 50371
Ion Ratio Lower Upper
65 100
67 52.8 0.0 103.4



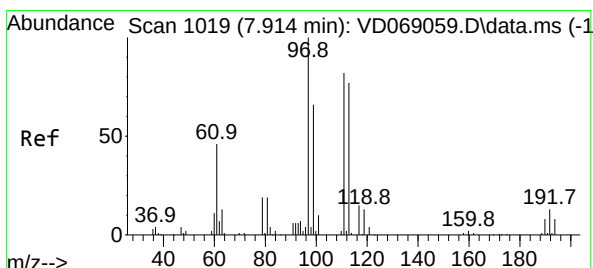
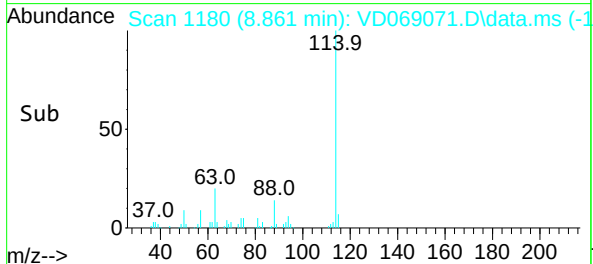
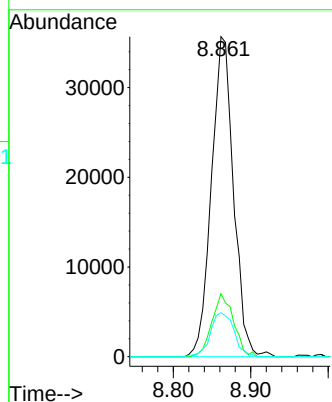


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069071.D
Acq: 05 May 2021 16:07

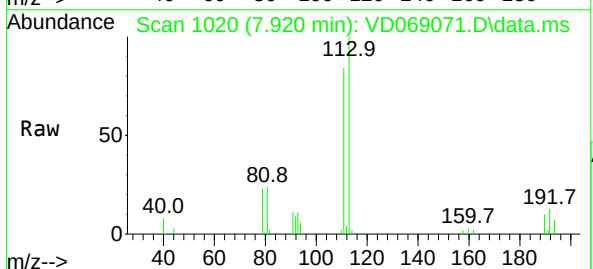
Instrument :
MSVOA_D
ClientSampled :



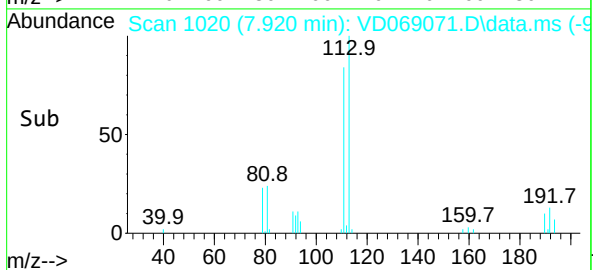
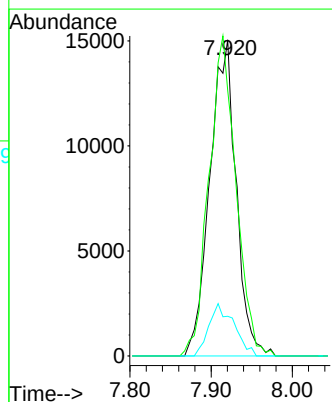
Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	41.4
88	13.7	0.0	27.8

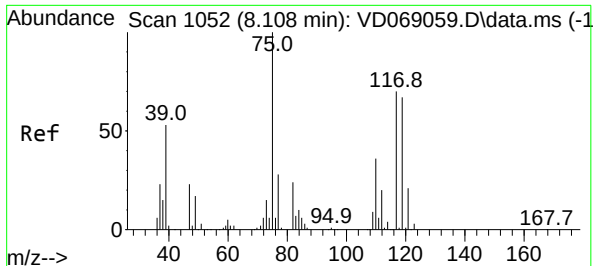


#35
Dibromofluoromethane
Concen: 70.02 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VD069071.D
Acq: 05 May 2021 16:07



Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	84.6	126.8
192	15.8	13.5	20.3

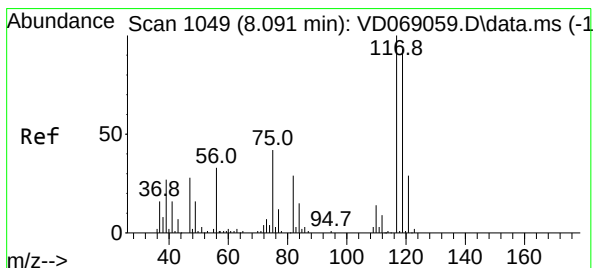
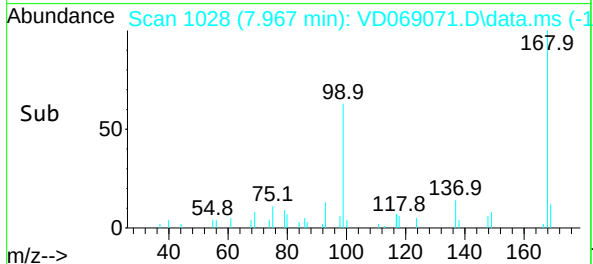
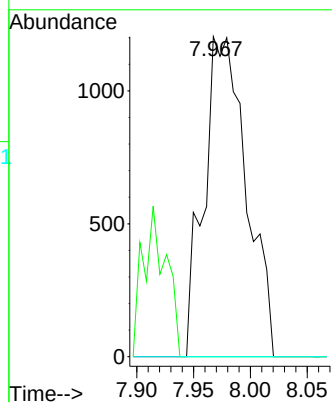
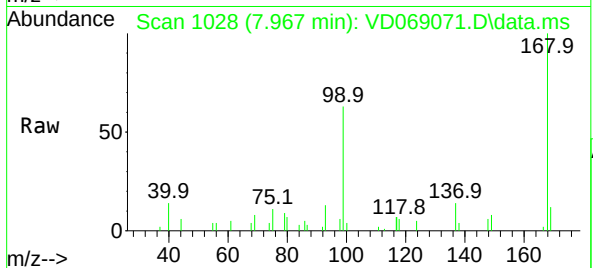




#36
1,1-Dichloropropene
Concen: 4.20 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.141 min
Lab File: VD069071.D
Acq: 05 May 2021 16:07

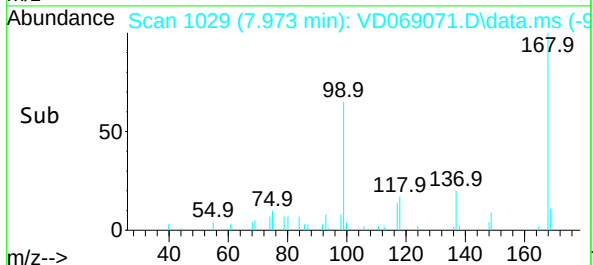
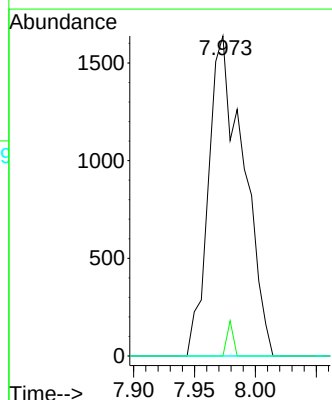
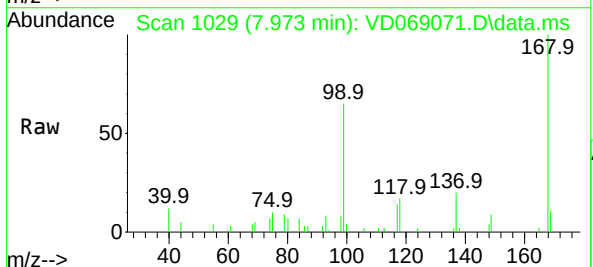
Instrument :
MSVOA_D
ClientSampleId :

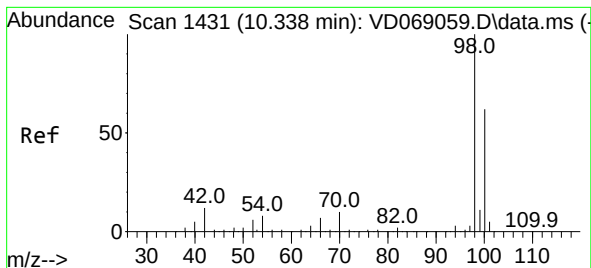
Tgt Ion: 75 Resp: 3123
Ion Ratio Lower Upper
75 100
110 0.0 17.3 51.7#
77 0.0 23.9 35.9#



#38
Carbon Tetrachloride
Concen: 4.05 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD069071.D
Acq: 05 May 2021 16:07

Tgt Ion: 117 Resp: 3264
Ion Ratio Lower Upper
117 100
119 0.0 74.7 112.1#
121 0.0 23.1 34.7#

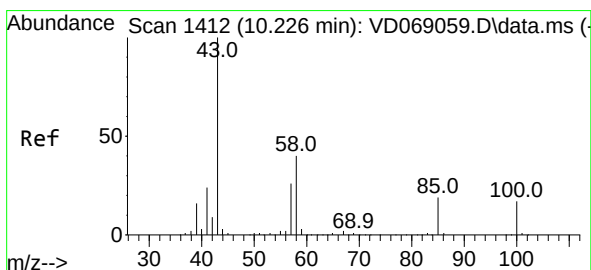
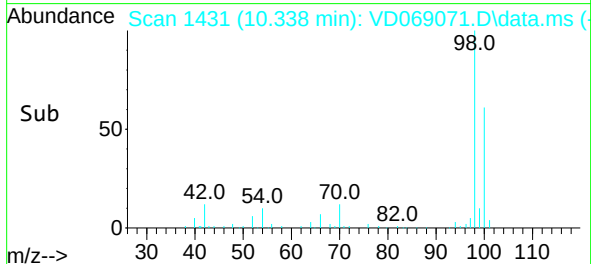
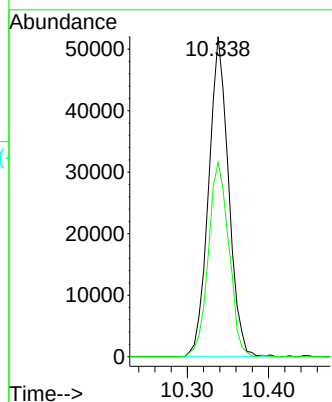
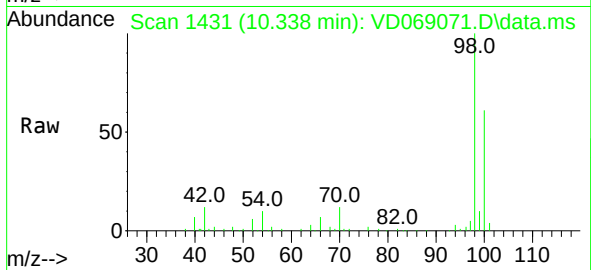




#50
Toluene-d8
Concen: 49.66 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069071.D
Acq: 05 May 2021 16:07

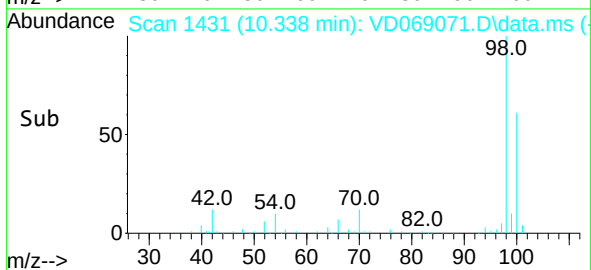
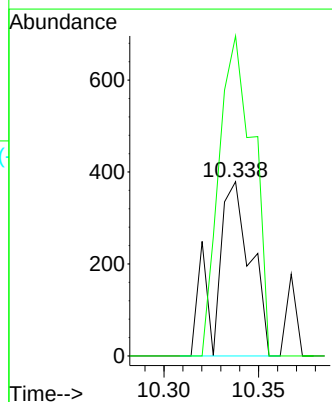
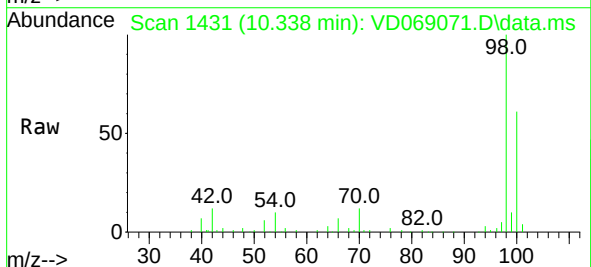
Instrument :
MSVOA_D
ClientSampled :

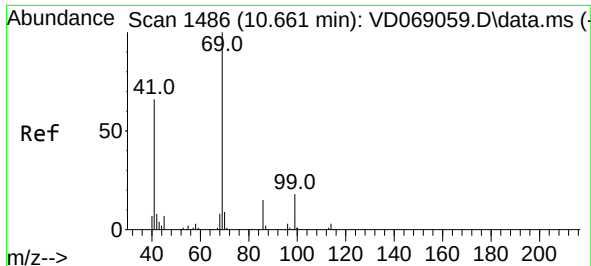
Tgt Ion: 98 Resp: 88762
Ion Ratio Lower Upper
98 100
100 62.3 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.81 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD069071.D
Acq: 05 May 2021 16:07

Tgt Ion: 43 Resp: 487
Ion Ratio Lower Upper
43 100
58 180.1 32.7 49.1#

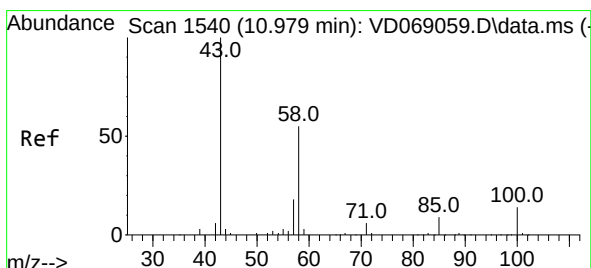
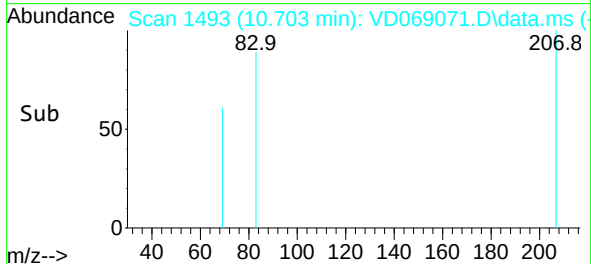
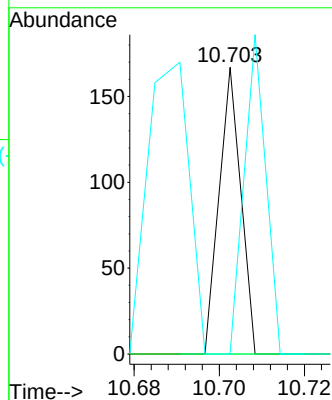
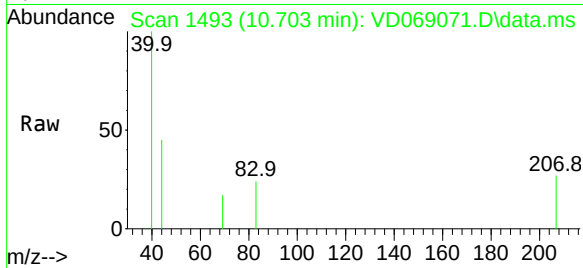




#56
Ethyl methacrylate
Concen: 2.49 ug/l
RT: 10.703 min Scan# 1493
Delta R.T. 0.042 min
Lab File: VD069071.D
Acq: 05 May 2021 16:07

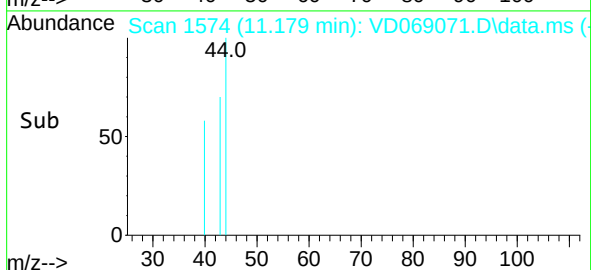
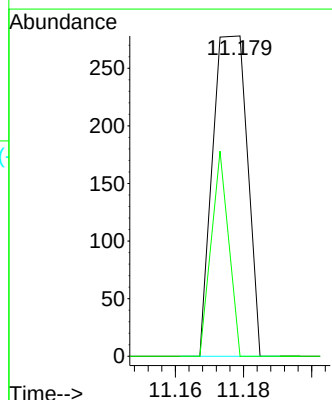
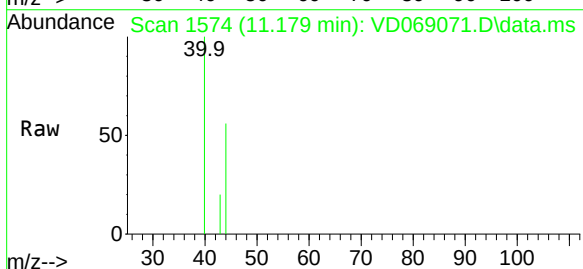
Instrument :
MSVOA_D
ClientSampleId :

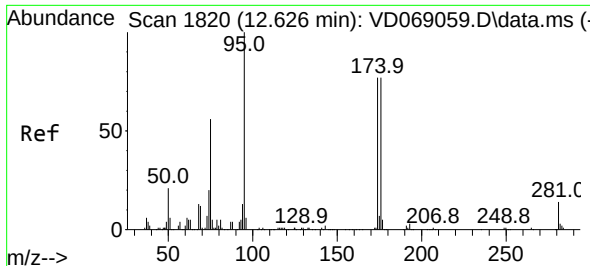
Tgt Ion: 69 Resp: 59
Ion Ratio Lower Upper
69 100
41 0.0 49.2 73.8#
39 111.9 29.8 44.6#



#59
2-Hexanone
Concen: 1.08 ug/l
RT: 11.179 min Scan# 1574
Delta R.T. 0.200 min
Lab File: VD069071.D
Acq: 05 May 2021 16:07

Tgt Ion: 43 Resp: 196
Ion Ratio Lower Upper
43 100
58 32.1 27.9 83.6

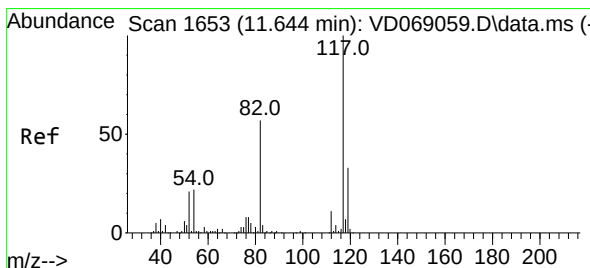
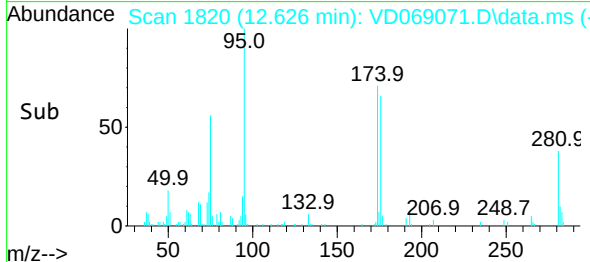
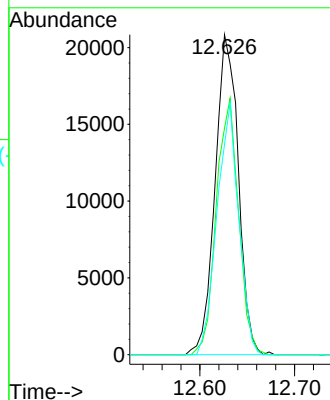
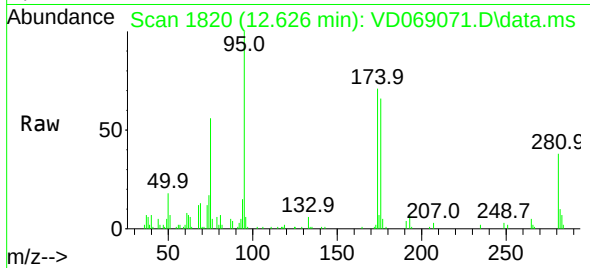




#62
4-Bromofluorobenzene
Concen: 60.24 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069071.D
Acq: 05 May 2021 16:07

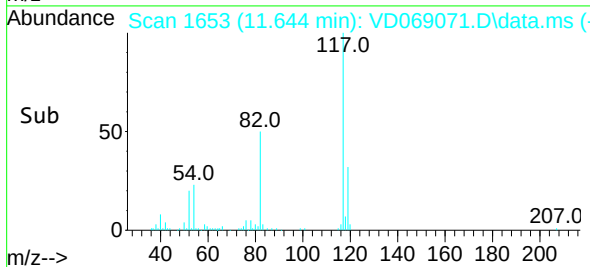
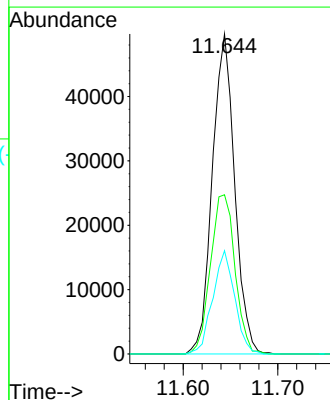
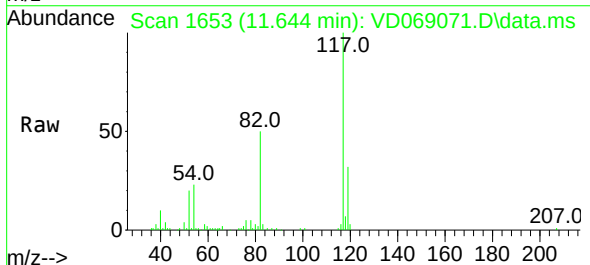
Instrument :
MSVOA_D
ClientSampleId :

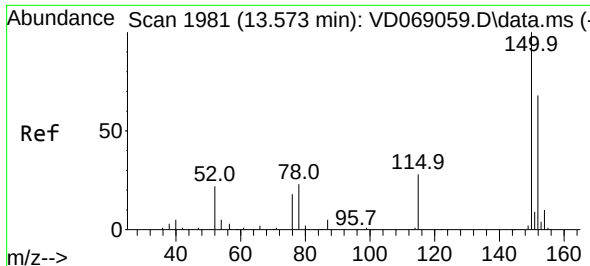
Tgt Ion: 95 Resp: 35418
Ion Ratio Lower Upper
95 100
174 77.1 0.0 156.0
176 73.8 0.0 149.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069071.D
Acq: 05 May 2021 16:07

Tgt Ion: 117 Resp: 81545
Ion Ratio Lower Upper
117 100
82 49.7 45.4 68.2
119 32.2 26.8 40.2

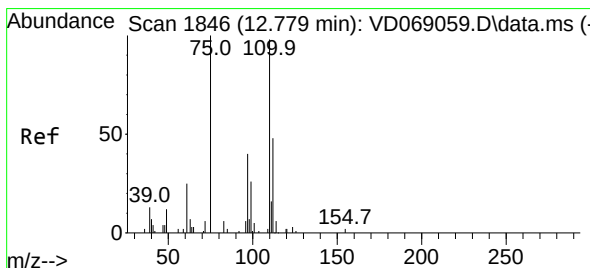
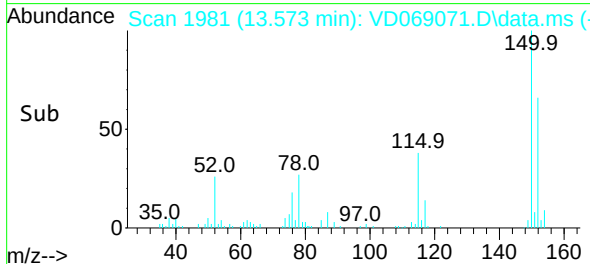
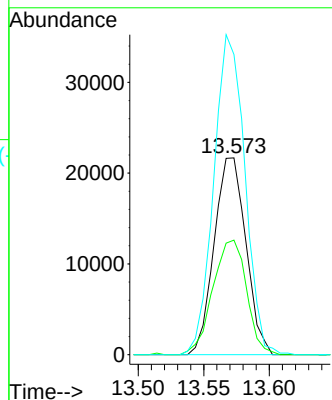
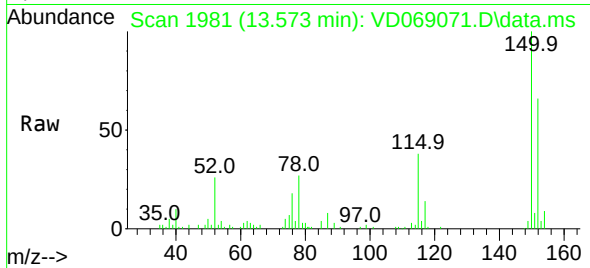




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.573 min Scan# 1981
 Delta R.T. 0.000 min
 Lab File: VD069071.D
 Acq: 05 May 2021 16:07

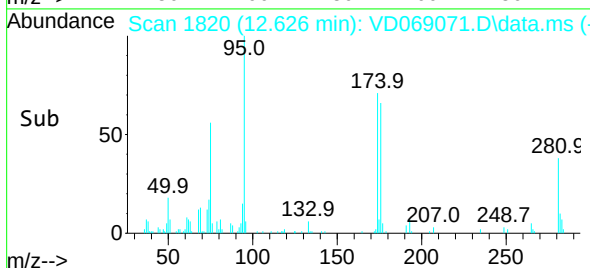
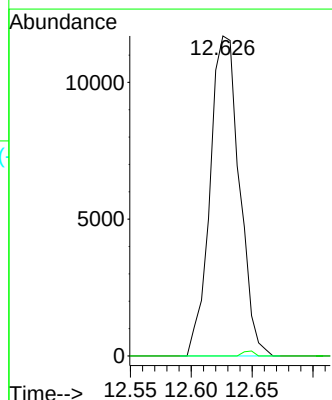
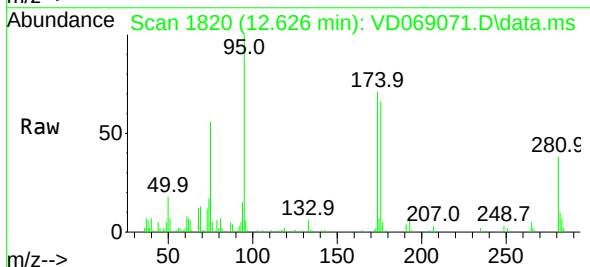
Instrument :
 MSVOA_D
 ClientSampled :

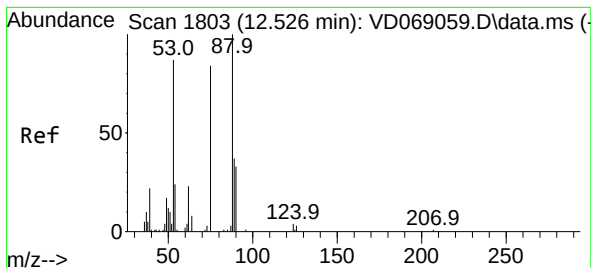
Tgt Ion:152 Resp: 36494
 Ion Ratio Lower Upper
 152 100
 115 61.9 30.5 91.5
 150 159.5 0.0 340.8



#76
 1,2,3-Trichloropropane
 Concen: 61.83 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.153 min
 Lab File: VD069071.D
 Acq: 05 May 2021 16:07

Tgt Ion: 75 Resp: 19643
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

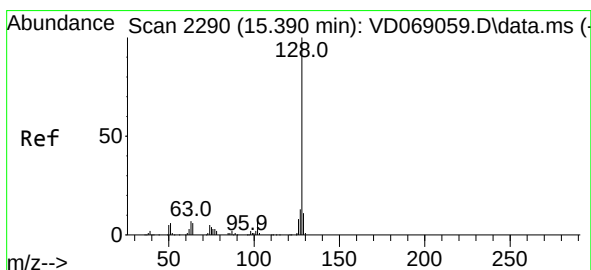
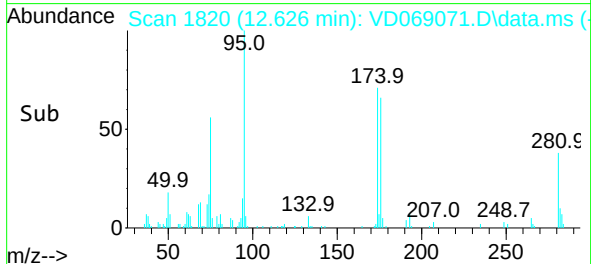
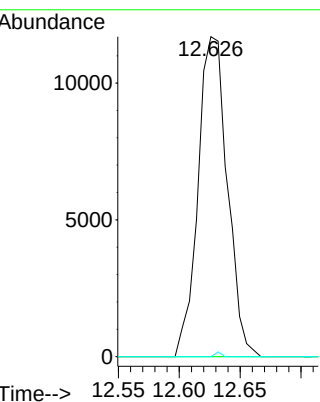
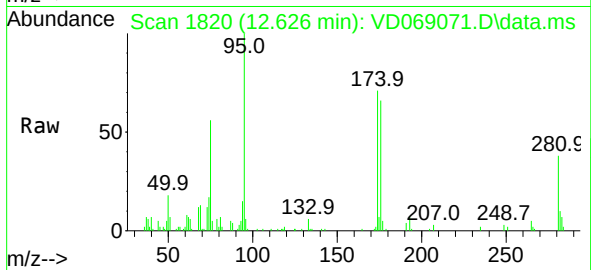




#81
trans-1,4-Dichloro-2-butene
Concen: 134.54 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069071.D
Acq: 05 May 2021 16:07

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 19643
Ion Ratio Lower Upper
75 100
53 0.0 80.4 120.6#
89 0.3 37.8 56.8#



#95
Naphthalene
Concen: 3.64 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069071.D
Acq: 05 May 2021 16:07

Tgt Ion: 128 Resp: 1062
Ion Ratio Lower Upper
128 100
127 5.9 10.7 16.1#
129 0.0 8.5 12.7#

