

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050521\
 Data File : VD069070.D
 Acq On : 05 May 2021 15:38
 Operator : VA/SY
 Sample : M2252-01RE
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 06 05:45:43 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)

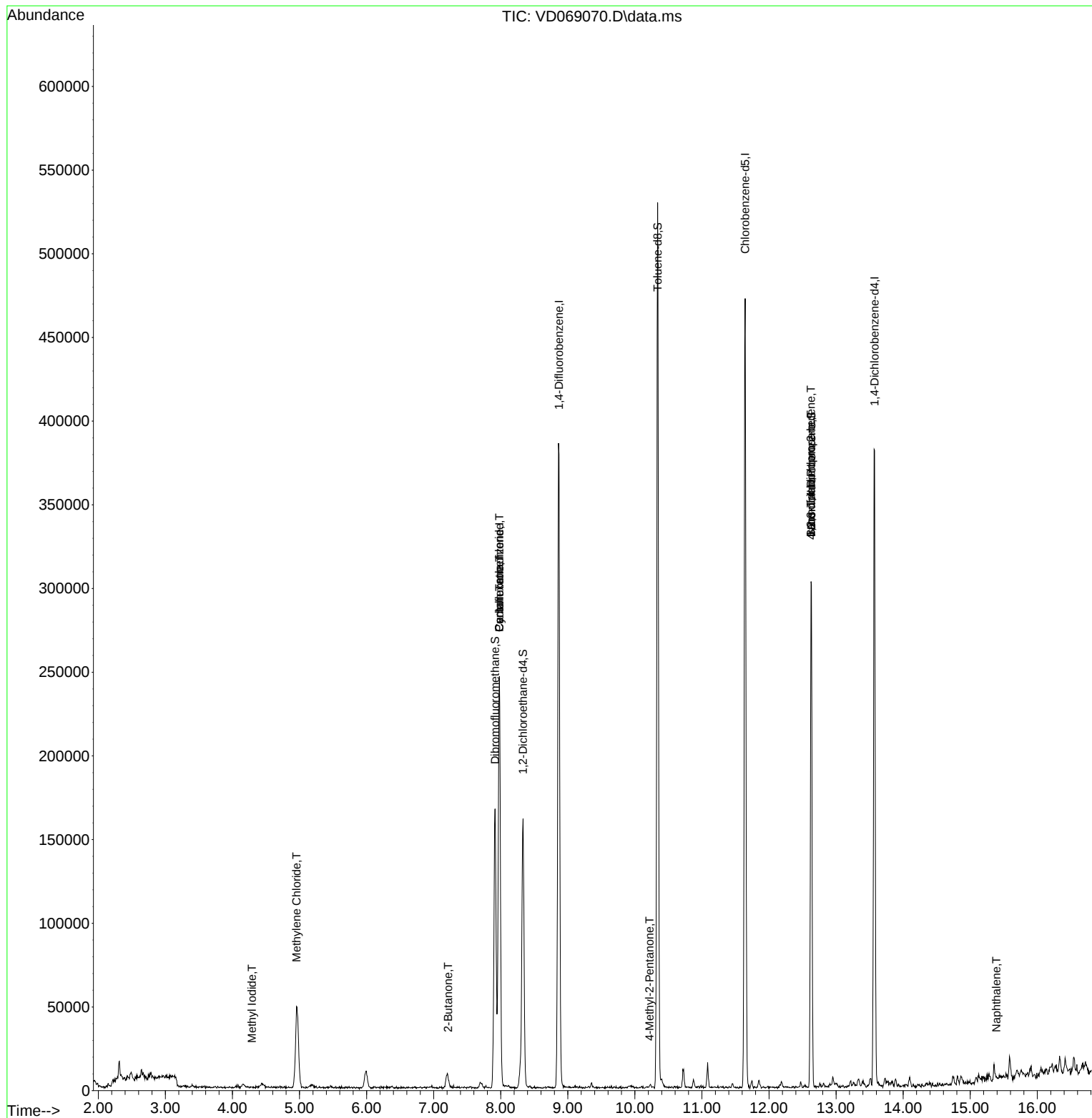
Internal Standards						
1) Pentafluorobenzene	7.979	168	167026	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	318008	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	270955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	100029	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	128356	59.63	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.26%			
35) Dibromofluoromethane	7.914	113	112814	51.73	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.46%			
50) Toluene-d8	10.338	98	349644	43.43	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 86.86%			
62) 4-Bromofluorobenzene	12.632	95	96460	36.42	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 72.84%			
Target Compounds						Qvalue
10) Methyl Iodide	4.291	142	219	3.29	ug/l #	62
11) Tert butyl alcohol	5.220	59	161	Below Cal	#	81
16) Acetone	4.162	43	3918	Below Cal	#	80
20) Methylene Chloride	4.956	84	38093	13.05	ug/l	92
25) 2-Butanone	7.214	43	1031	2.24	ug/l #	46
31) Cyclohexane	7.979	56	5179	1.66	ug/l #	51
38) Carbon Tetrachloride	7.979	117	18546	5.11	ug/l #	18
51) 4-Methyl-2-Pentanone	10.220	43	1230	1.02	ug/l	95
71) Bromoform	12.626	173	1175	1.10	ug/l #	29
76) 1,2,3-Trichloropropane	12.626	75	51719	59.39	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	51719	129.23	ug/l #	9
95) Naphthalene	15.391	128	2137	3.42	ug/l #	84

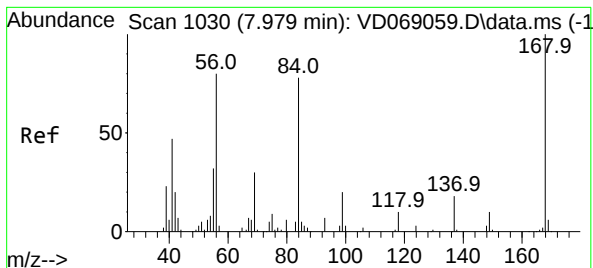
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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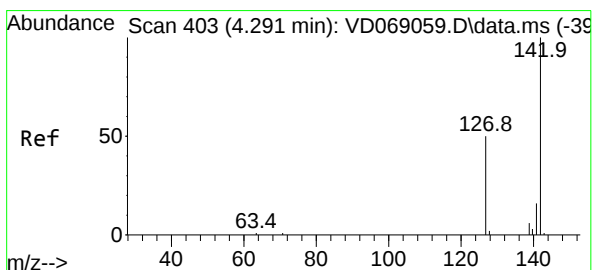
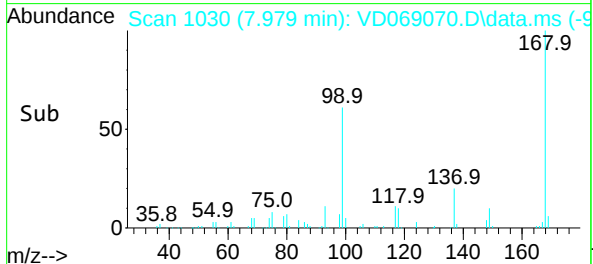
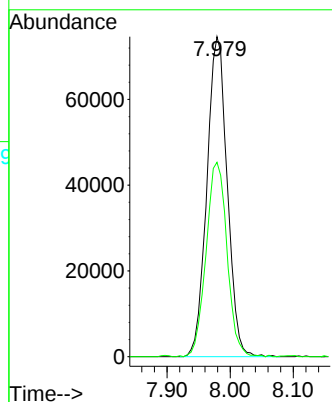
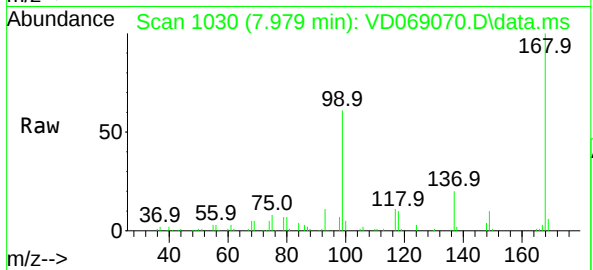




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069070.D
Acq: 05 May 2021 15:38

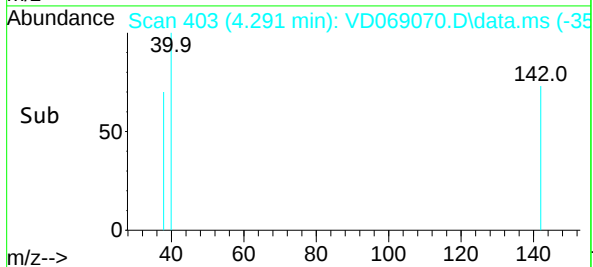
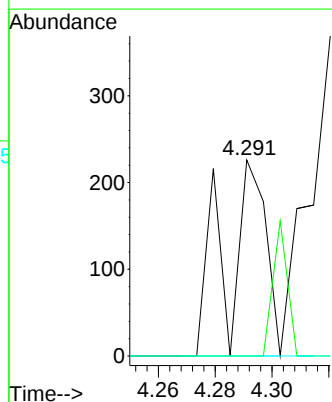
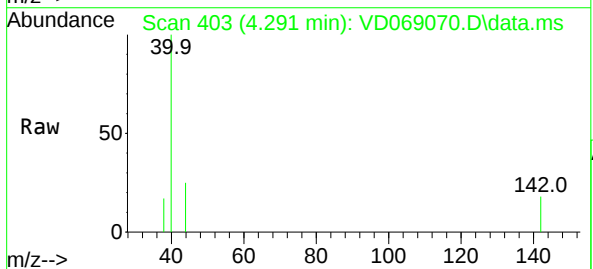
Instrument :
MSVOA_D
ClientSampled :

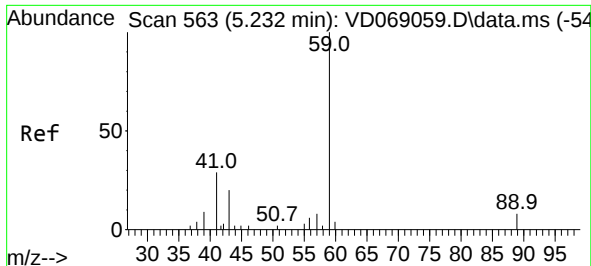
Tgt Ion:168 Resp: 167026
Ion Ratio Lower Upper
168 100
99 60.5 52.6 78.8



#10
Methyl Iodide
Concen: 3.29 ug/l
RT: 4.291 min Scan# 403
Delta R.T. 0.000 min
Lab File: VD069070.D
Acq: 05 May 2021 15:38

Tgt Ion:142 Resp: 219
Ion Ratio Lower Upper
142 100
127 25.1 41.6 62.4#
141 0.0 12.2 18.4#

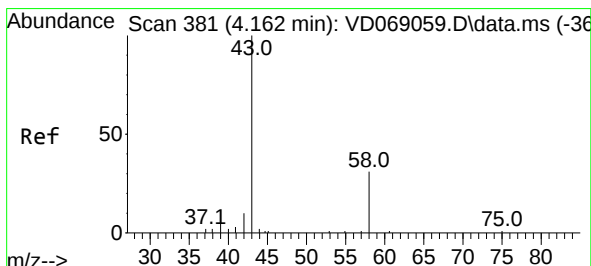
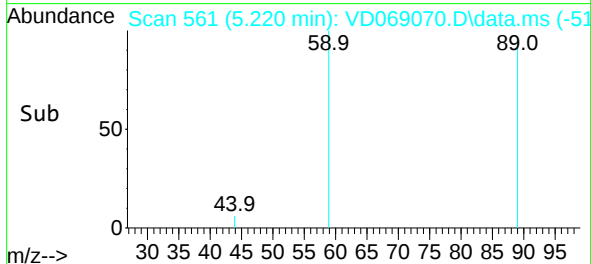
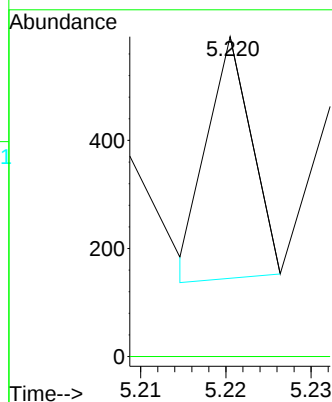
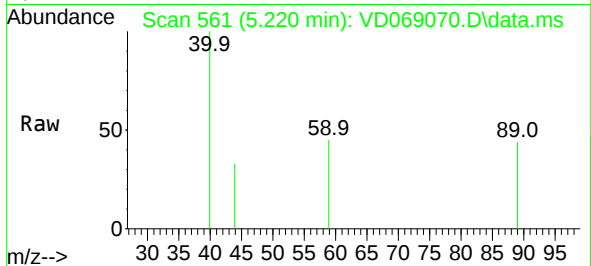




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. -0.012 min
Lab File: VD069070.D
Acq: 05 May 2021 15:38

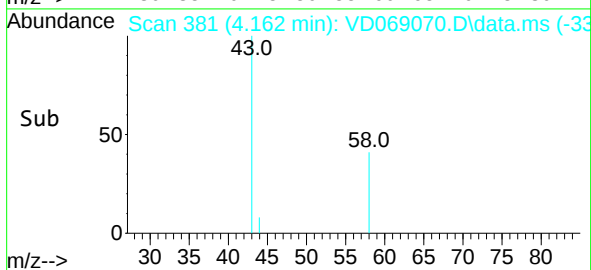
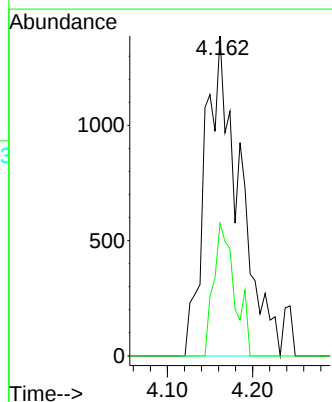
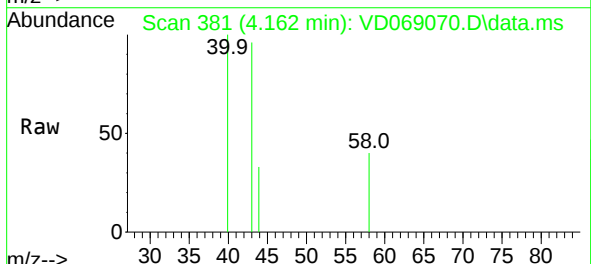
Instrument :
MSVOA_D
ClientSampled :

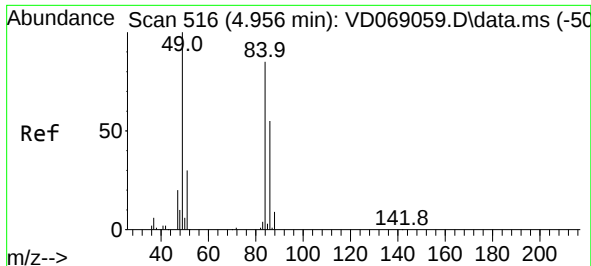
Tgt Ion: 59 Resp: 161
Ion Ratio Lower Upper
59 100
57 0.0 5.3 7.9#



#16
Acetone
Concen: Below Cal
RT: 4.162 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD069070.D
Acq: 05 May 2021 15:38

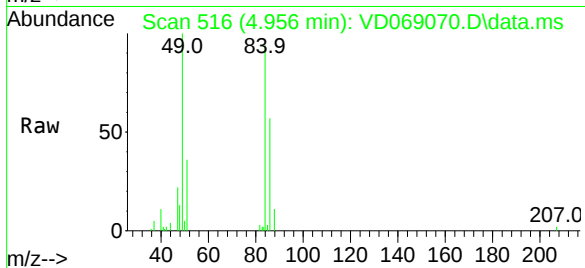
Tgt Ion: 43 Resp: 3918
Ion Ratio Lower Upper
43 100
58 41.4 24.5 36.7#



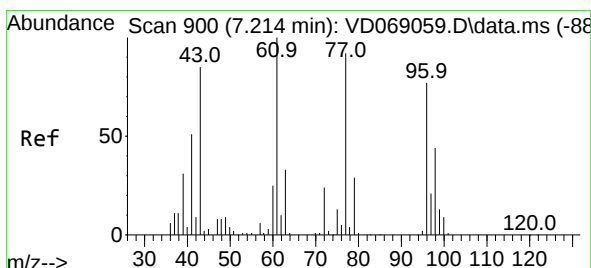
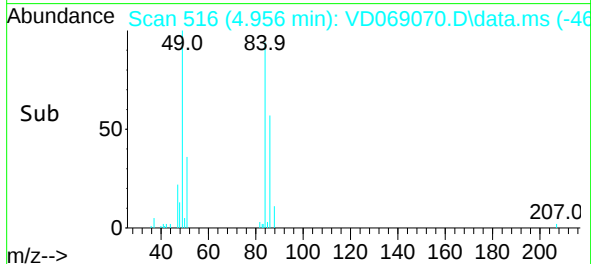
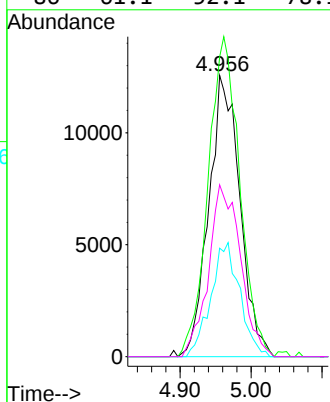


#20
Methylene Chloride
Concen: 13.05 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.000 min
Lab File: VD069070.D
Acq: 05 May 2021 15:38

Instrument :
MSVOA_D
ClientSampled :

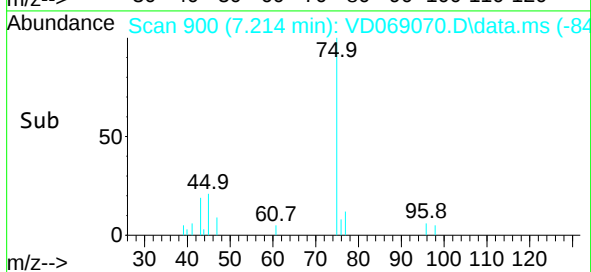
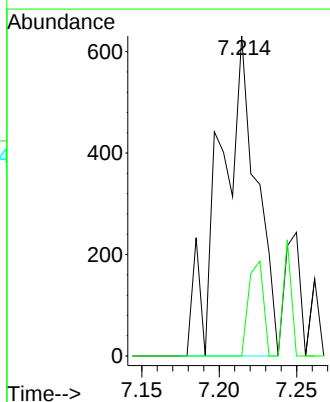
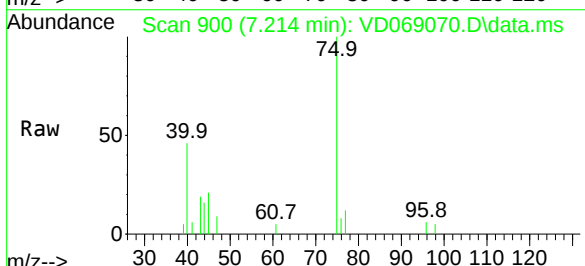


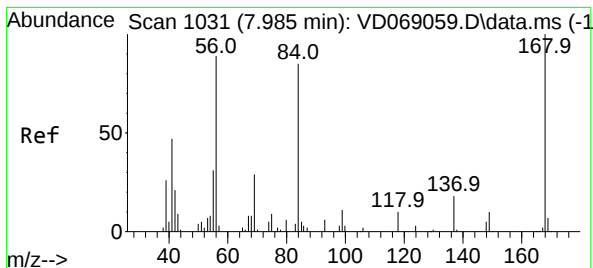
Tgt Ion:	84	Resp:	38093
Ion	Ratio	Lower	Upper
84	100		
49	106.5	93.9	140.9
51	38.6	27.9	41.9
86	61.1	52.1	78.1



#25
2-Butanone
Concen: 2.24 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD069070.D
Acq: 05 May 2021 15:38

Tgt Ion:	43	Resp:	1031
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.0	34.4#

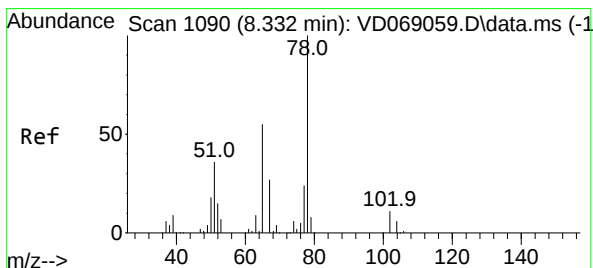
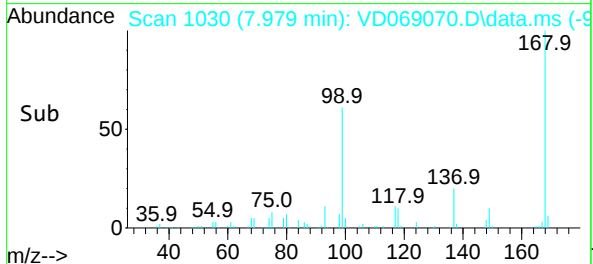
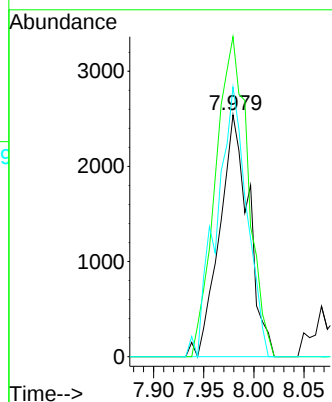
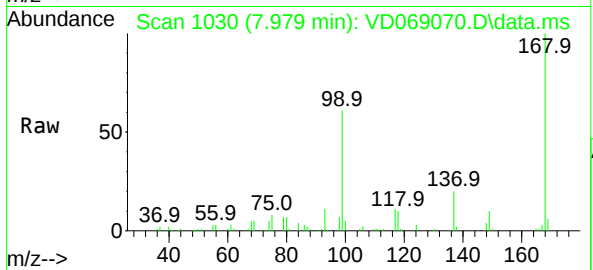




#31
Cyclohexane
Concen: 1.66 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069070.D
Acq: 05 May 2021 15:38

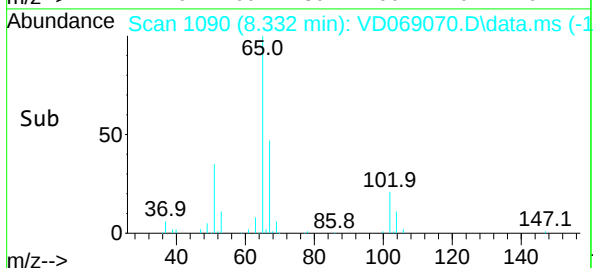
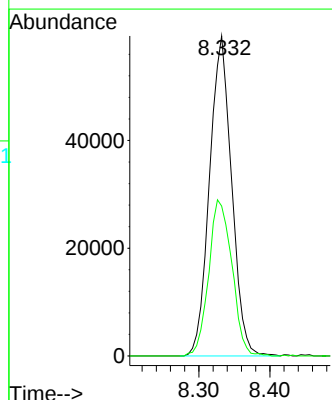
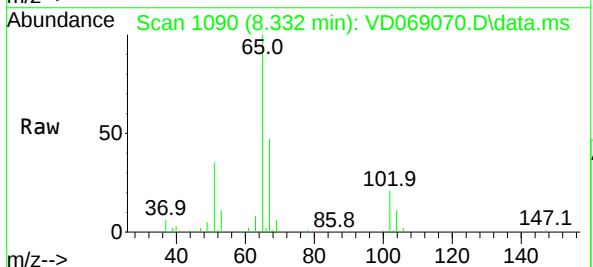
Instrument :
MSVOA_D
ClientSampleId :

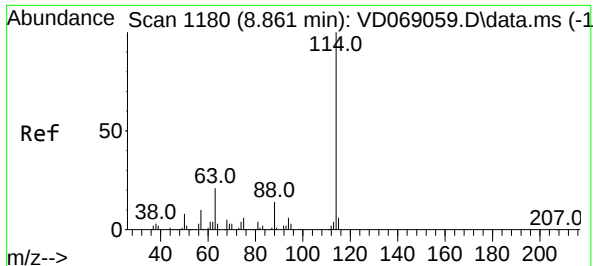
Tgt Ion: 56 Resp: 5179
Ion Ratio Lower Upper
56 100
69 123.8 26.3 39.5#
84 104.3 75.9 113.9



#33
1,2-Dichloroethane-d4
Concen: 59.63 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069070.D
Acq: 05 May 2021 15:38

Tgt Ion: 65 Resp: 128356
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.867 min Scan# 1181

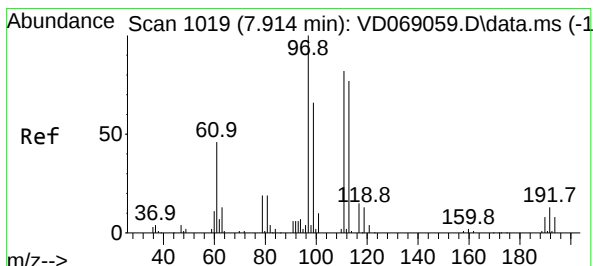
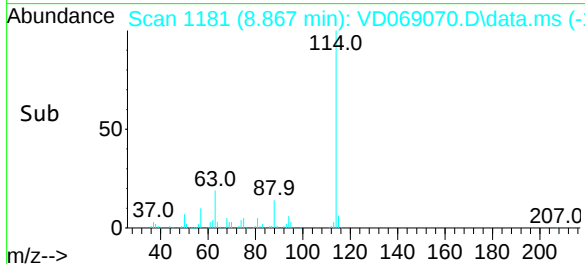
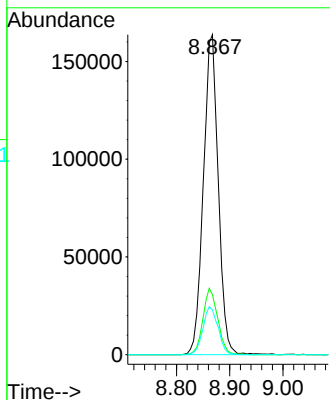
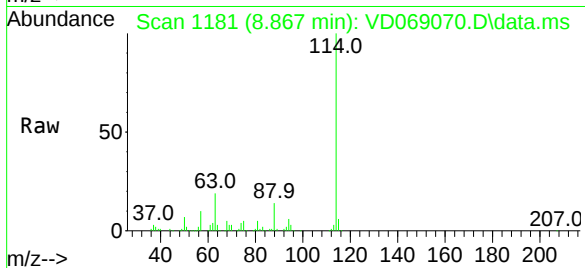
Delta R.T. 0.006 min

Lab File: VD069070.D

Acq: 05 May 2021 15:38

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	114	Resp:	318008
Ion Ratio	Lower	Upper	
114	100		
63	18.8	0.0	41.4
88	14.0	0.0	27.8



#35

Dibromofluoromethane

Concen: 51.73 ug/l

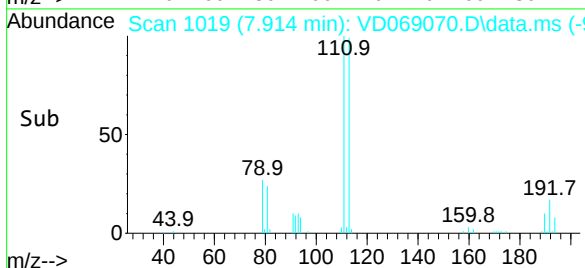
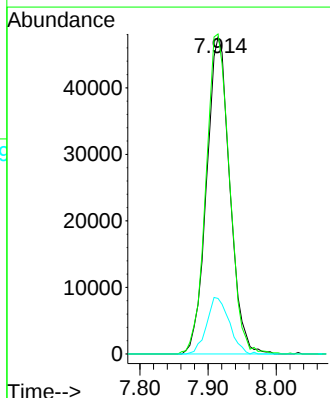
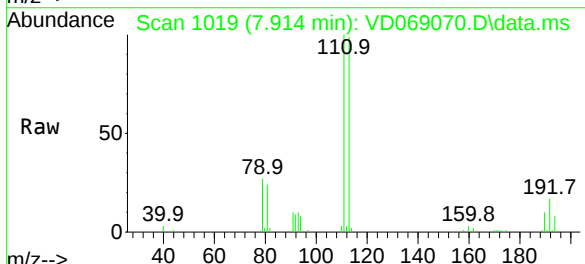
RT: 7.914 min Scan# 1019

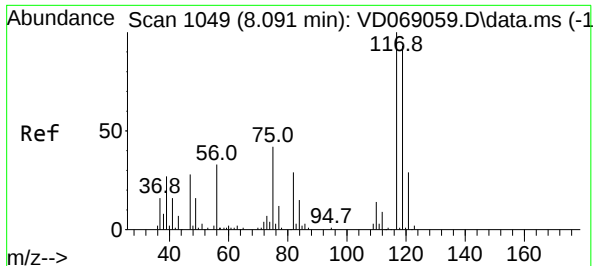
Delta R.T. 0.000 min

Lab File: VD069070.D

Acq: 05 May 2021 15:38

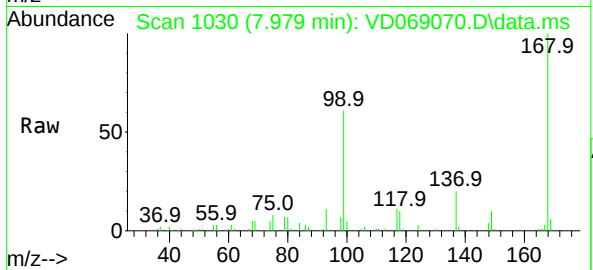
Tgt Ion:	113	Resp:	112814
Ion Ratio	Lower	Upper	
113	100		
111	102.3	84.6	126.8
192	17.3	13.5	20.3



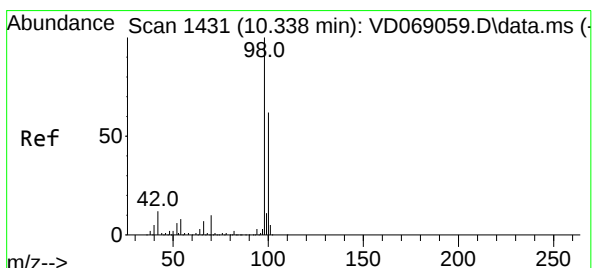
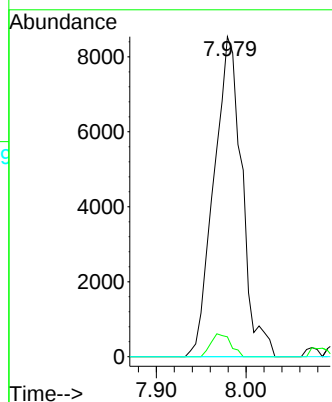
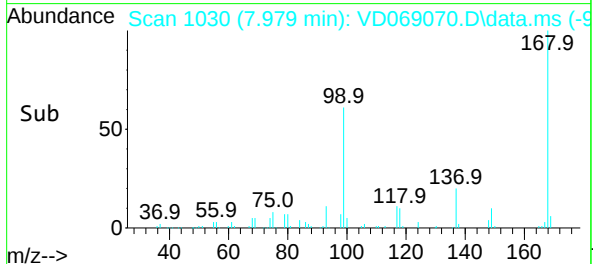


#38
Carbon Tetrachloride
Concen: 5.11 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD069070.D
Acq: 05 May 2021 15:38

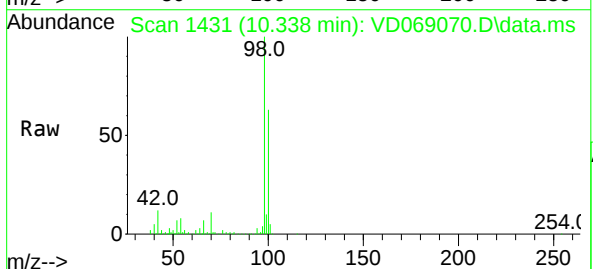
Instrument :
MSVOA_D
ClientSampleId :



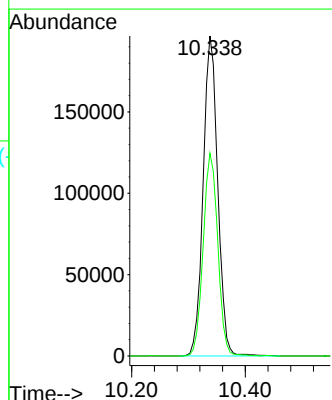
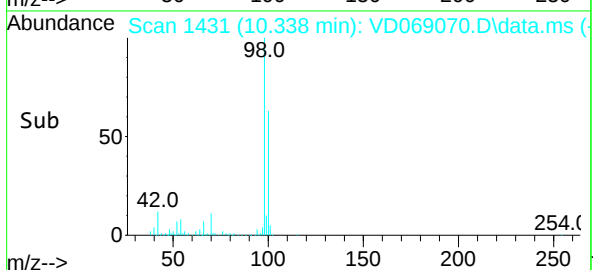
Tgt Ion:117 Resp: 18546
Ion Ratio Lower Upper
117 100
119 6.2 74.7 112.1#
121 0.0 23.1 34.7#

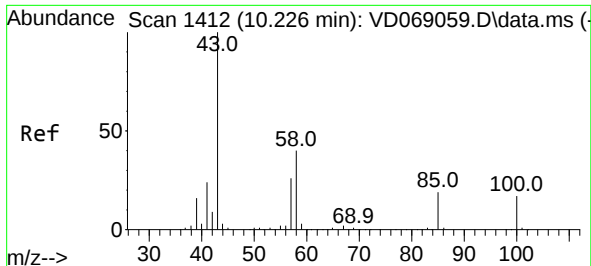


#50
Toluene-d8
Concen: 43.43 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069070.D
Acq: 05 May 2021 15:38



Tgt Ion: 98 Resp: 349644
Ion Ratio Lower Upper
98 100
100 63.5 51.6 77.4

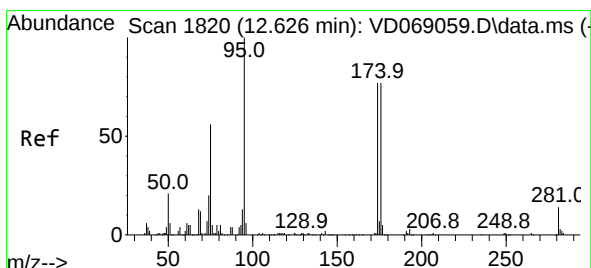
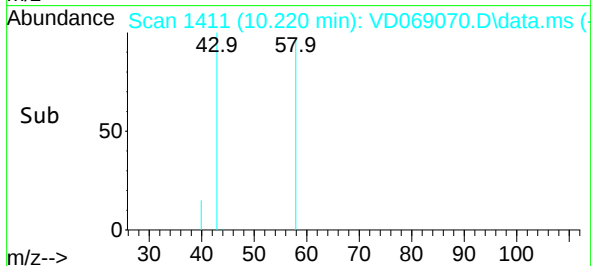
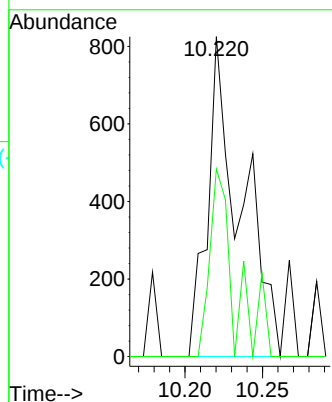
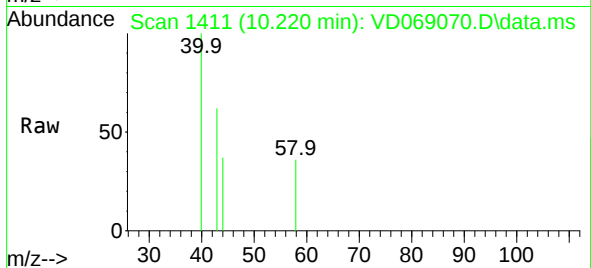




#51
4-Methyl-2-Pentanone
Concen: 1.02 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD069070.D
Acq: 05 May 2021 15:38

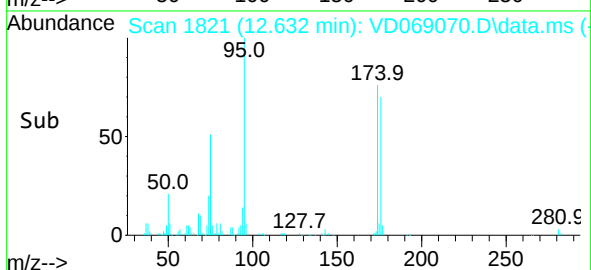
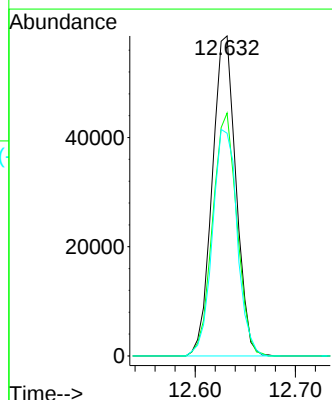
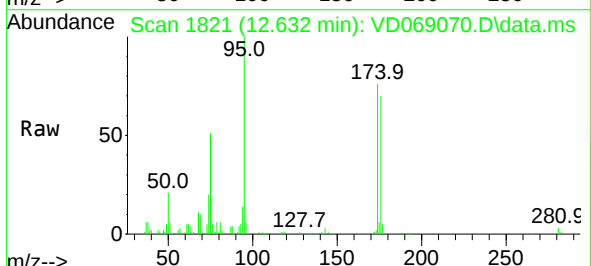
Instrument :
MSVOA_D
ClientSampled :

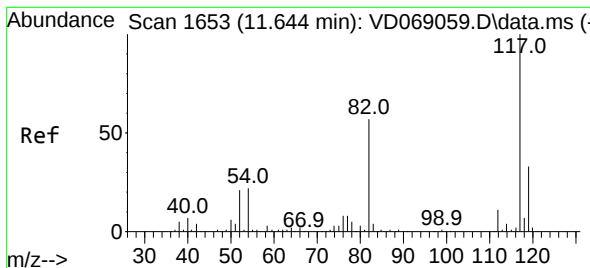
Tgt Ion: 43 Resp: 1230
Ion Ratio Lower Upper
43 100
58 43.8 32.7 49.1



#62
4-Bromofluorobenzene
Concen: 36.42 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD069070.D
Acq: 05 May 2021 15:38

Tgt Ion: 95 Resp: 96460
Ion Ratio Lower Upper
95 100
174 77.5 0.0 156.0
176 73.4 0.0 149.4

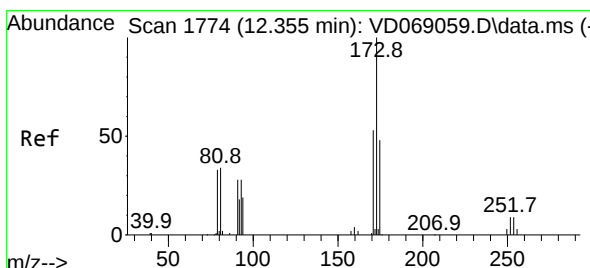
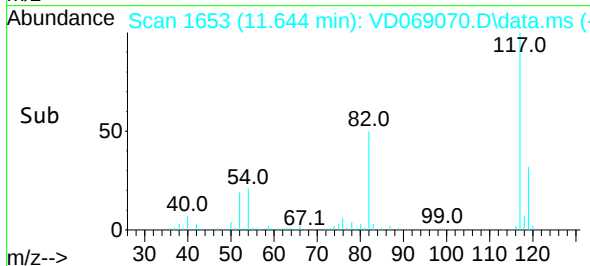
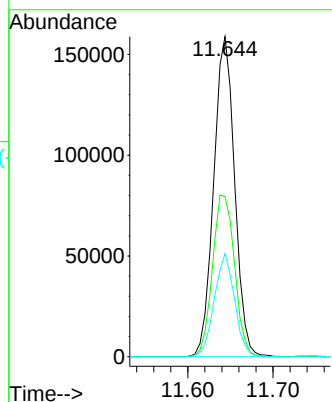
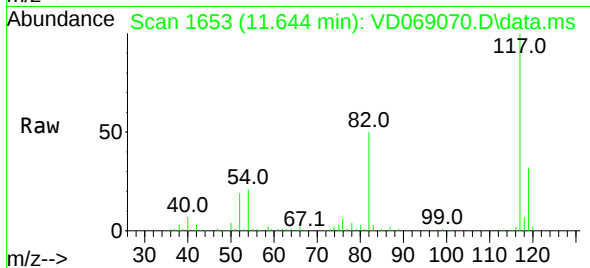




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069070.D
Acq: 05 May 2021 15:38

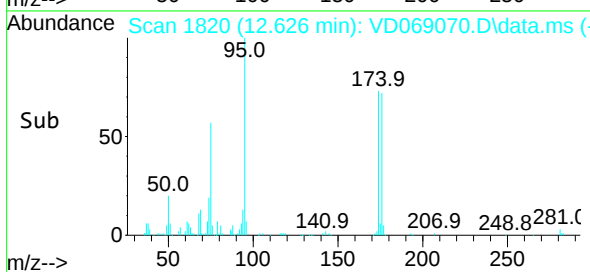
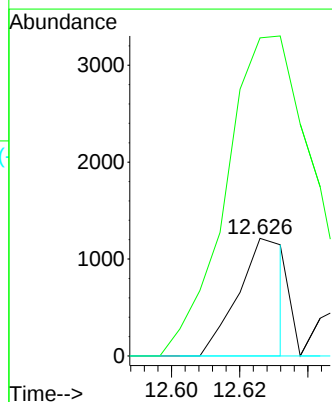
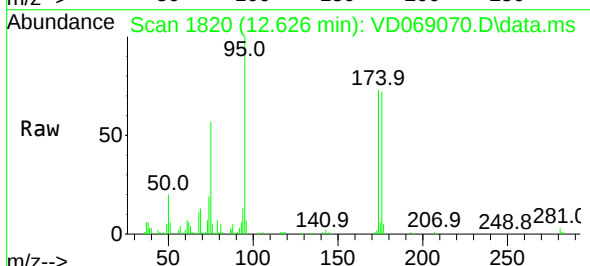
Instrument :
MSVOA_D
ClientSampleId :

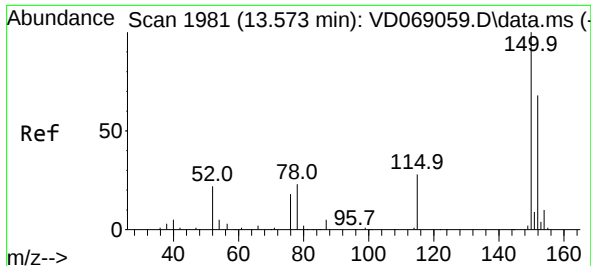
Tgt Ion:117 Resp: 270955
Ion Ratio Lower Upper
117 100
82 50.0 45.4 68.2
119 32.2 26.8 40.2



#71
Bromoform
Concen: 1.10 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069070.D
Acq: 05 May 2021 15:38

Tgt Ion:173 Resp: 1175
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.4#
254 0.0 0.0 0.0

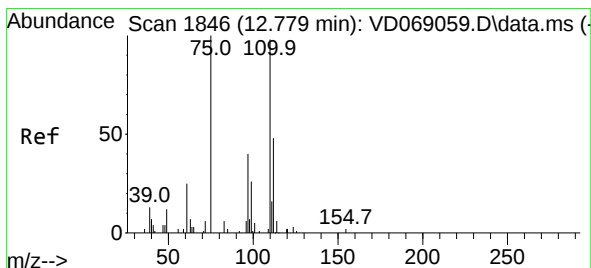
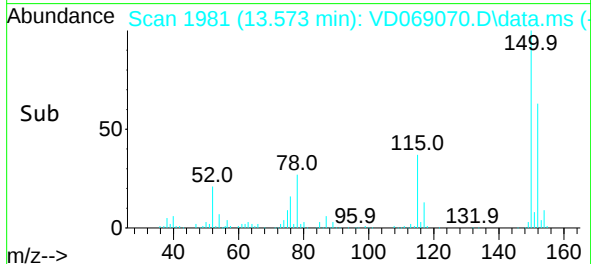
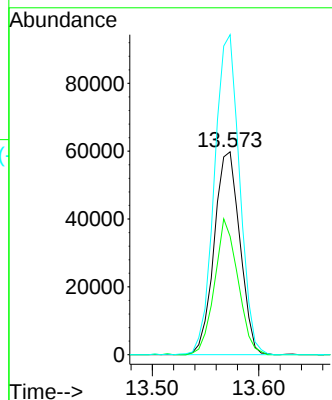
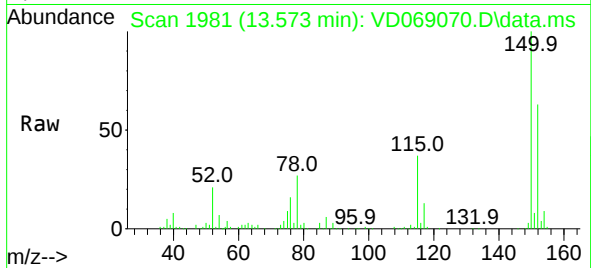




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD069070.D
Acq: 05 May 2021 15:38

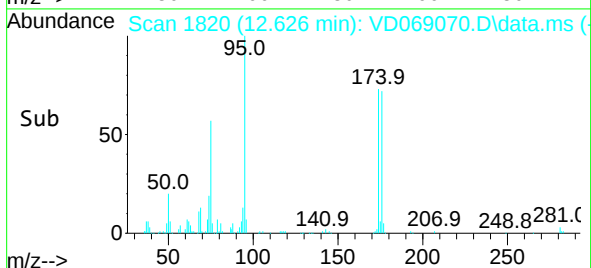
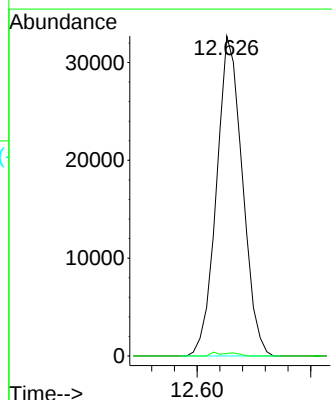
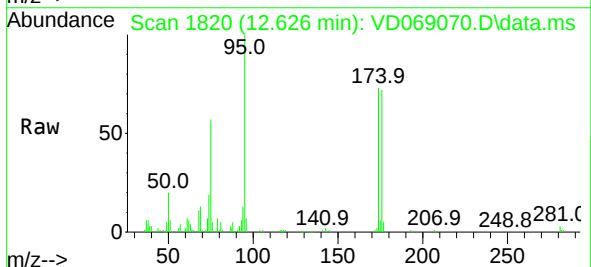
Instrument :
MSVOA_D
ClientSampled :

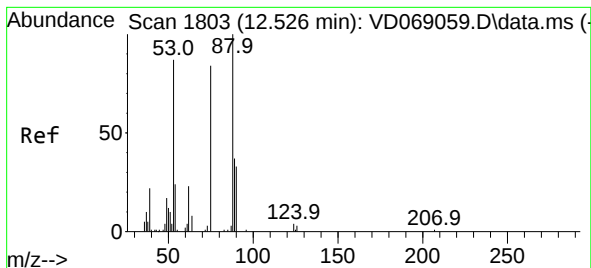
Tgt Ion:152 Resp: 100029
Ion Ratio Lower Upper
152 100
115 60.8 30.5 91.5
150 154.6 0.0 340.8



#76
1,2,3-Trichloropropane
Concen: 59.39 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069070.D
Acq: 05 May 2021 15:38

Tgt Ion: 75 Resp: 51719
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#

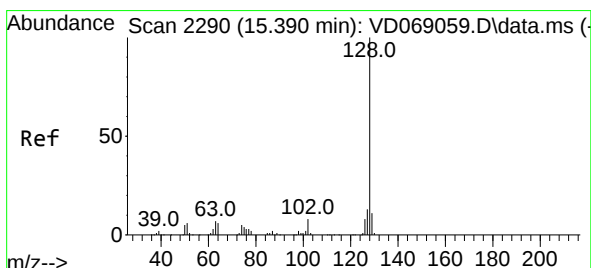
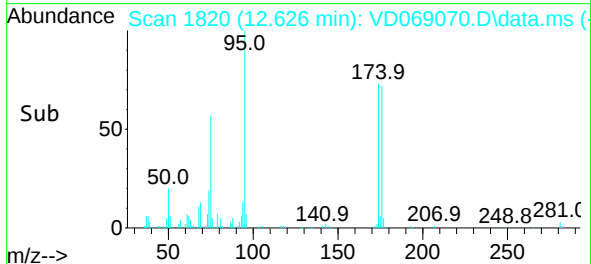
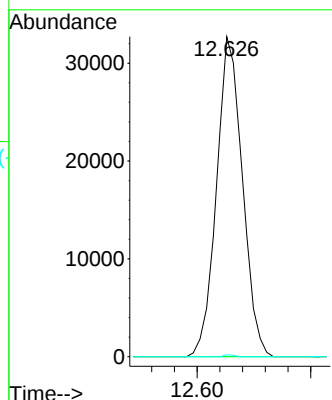
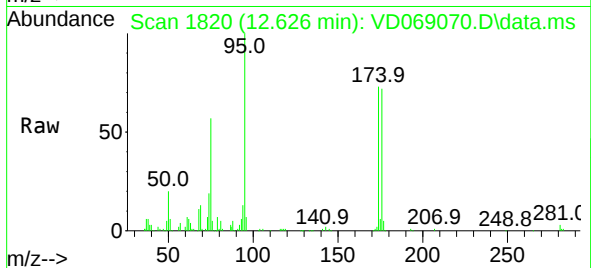




#81
trans-1,4-Dichloro-2-butene
Concen: 129.23 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069070.D
Acq: 05 May 2021 15:38

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 51719
Ion Ratio Lower Upper
75 100
53 0.0 80.4 120.6#
89 0.2 37.8 56.8#



#95
Naphthalene
Concen: 3.42 ug/l
RT: 15.391 min Scan# 2290
Delta R.T. 0.001 min
Lab File: VD069070.D
Acq: 05 May 2021 15:38

Tgt Ion:128 Resp: 2137
Ion Ratio Lower Upper
128 100
127 6.6 10.7 16.1#
129 5.2 8.5 12.7#

