

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050621\
 Data File : VD069083.D
 Acq On : 06 May 2021 18:55
 Operator : VA/SY
 Sample : M2305-02
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 07 01:11:59 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)

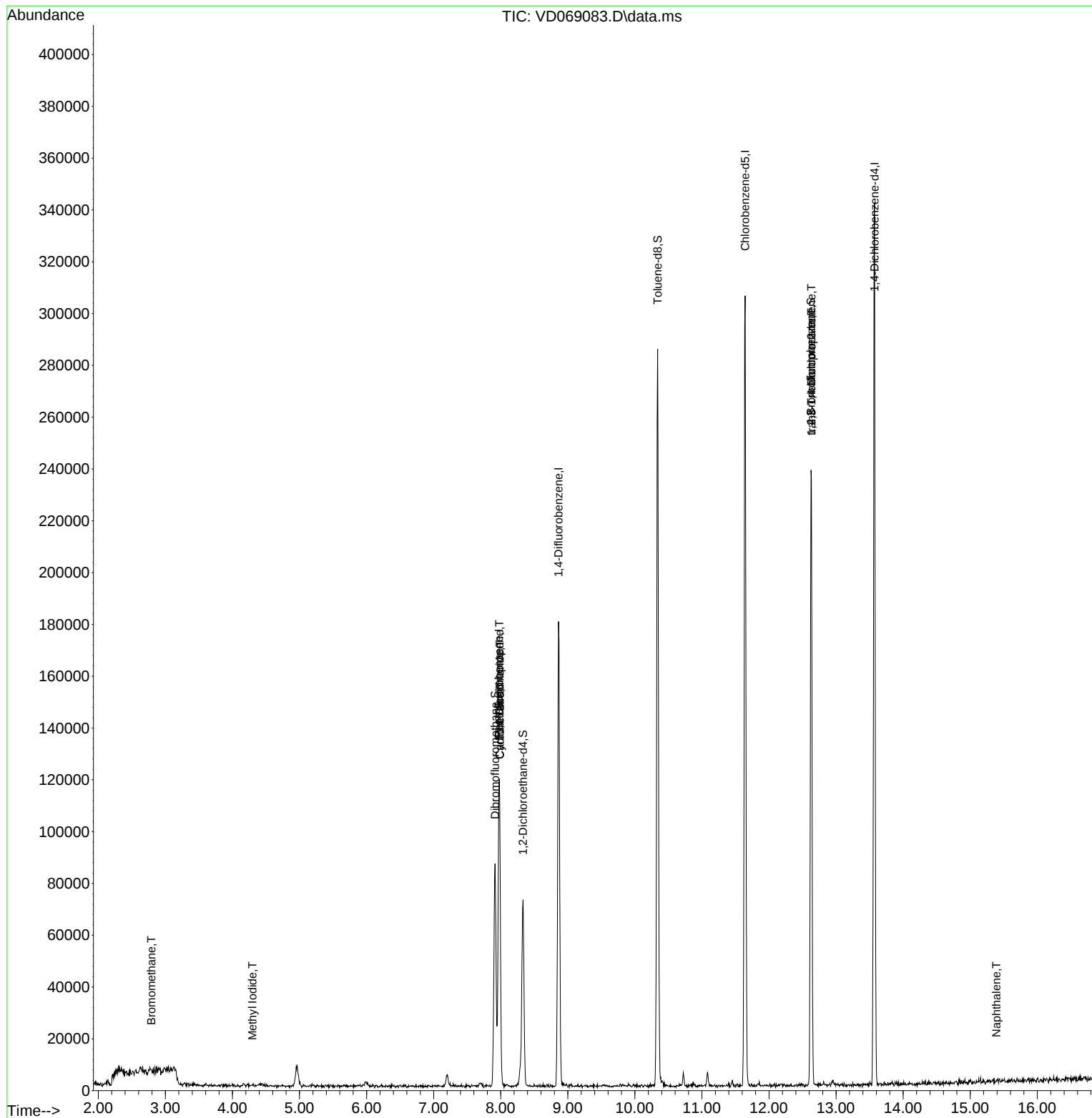
Internal Standards						
1) Pentafluorobenzene	7.973	168	88543	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	153265	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	184645	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	91728	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	57154	50.09	ug/l	0.00
Spiked Amount 50.000	Range	50 - 163	Recovery	= 100.18%		
35) Dibromofluoromethane	7.914	113	59125	56.25	ug/l	0.00
Spiked Amount 50.000	Range	54 - 147	Recovery	= 112.50%		
50) Toluene-d8	10.338	98	199476	51.41	ug/l	0.00
Spiked Amount 50.000	Range	49 - 140	Recovery	= 102.82%		
62) 4-Bromofluorobenzene	12.626	95	78582	61.57	ug/l	0.00
Spiked Amount 50.000	Range	25 - 144	Recovery	= 123.14%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.791	94	1139	1.09	ug/l #	49
10) Methyl Iodide	4.297	142	186	3.36	ug/l #	35
11) Tert butyl alcohol	5.209	59	128	Below Cal	#	81
16) Acetone	4.162	43	1112	Below Cal	#	65
20) Methylene Chloride	4.962	84	6705	Below Cal	#	84
31) Cyclohexane	7.985	56	2315	1.40	ug/l #	45
36) 1,1-Dichloropropene	7.979	75	7805	4.84	ug/l #	52
38) Carbon Tetrachloride	7.985	117	10100	5.78	ug/l #	19
76) 1,2,3-Trichloropropane	12.632	75	39100	48.97	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	39100	106.54	ug/l #	9
95) Naphthalene	15.390	128	148	2.87	ug/l #	49

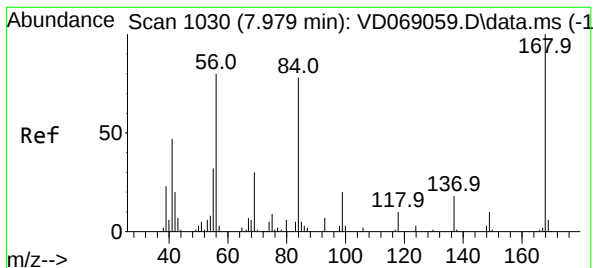
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

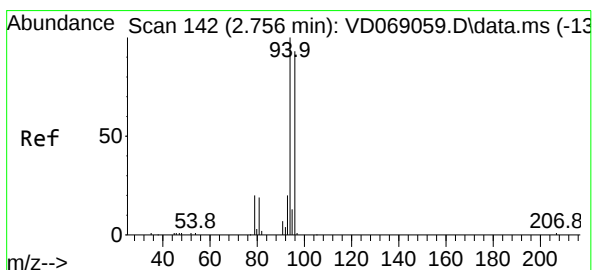
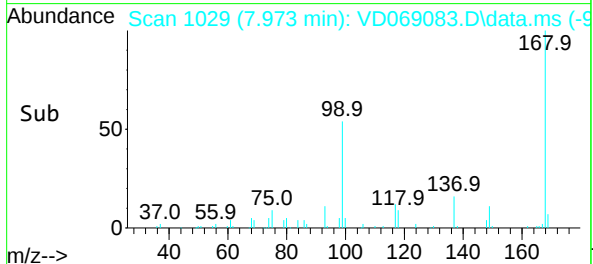
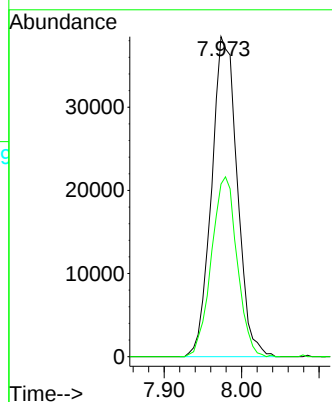
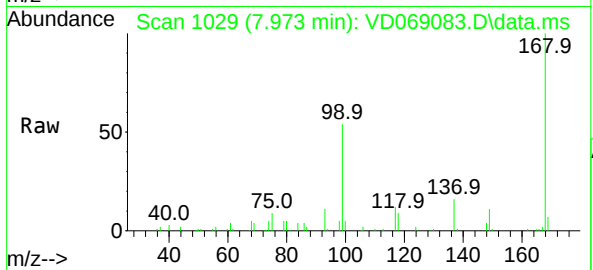




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD069083.D
Acq: 06 May 2021 18:55

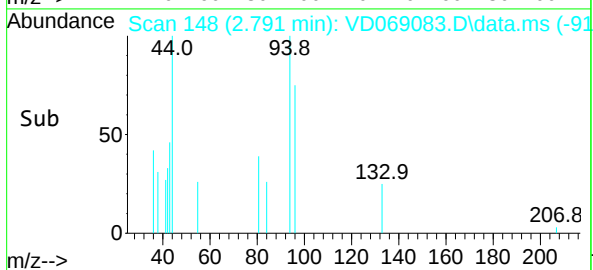
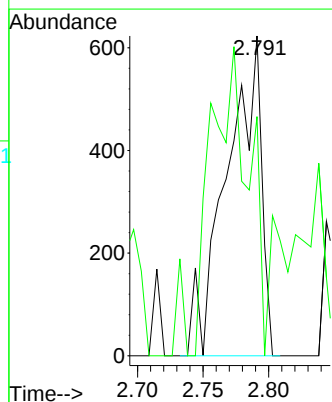
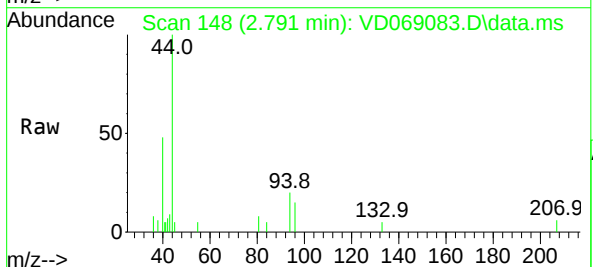
Instrument :
MSVOA_D
ClientSampled :

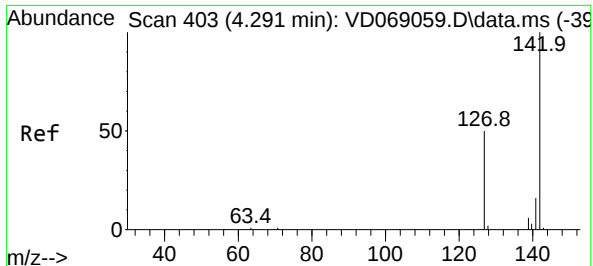
Tgt Ion:168 Resp: 88543
Ion Ratio Lower Upper
168 100
99 54.0 52.6 78.8



#5
Bromomethane
Concen: 1.09 ug/l
RT: 2.791 min Scan# 148
Delta R.T. 0.035 min
Lab File: VD069083.D
Acq: 06 May 2021 18:55

Tgt Ion: 94 Resp: 1139
Ion Ratio Lower Upper
94 100
96 44.5 74.3 111.5#

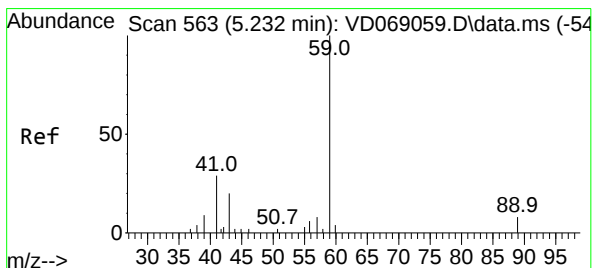
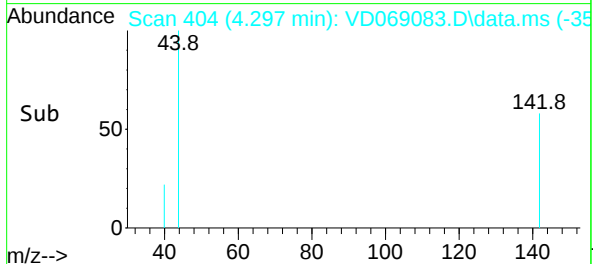
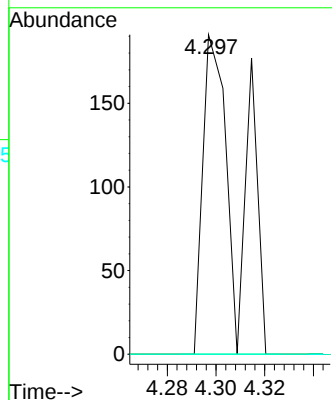
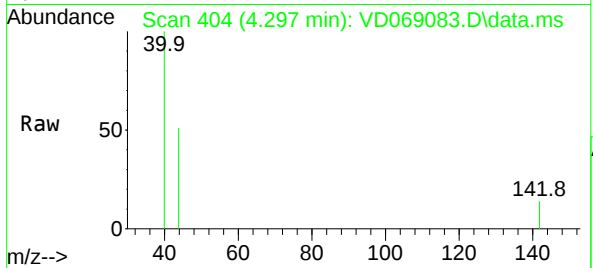




#10
Methyl Iodide
Concen: 3.36 ug/l
RT: 4.297 min Scan# 404
Delta R.T. 0.006 min
Lab File: VD069083.D
Acq: 06 May 2021 18:55

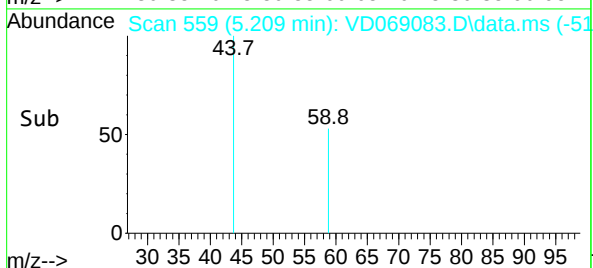
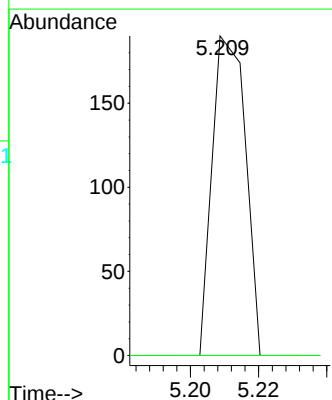
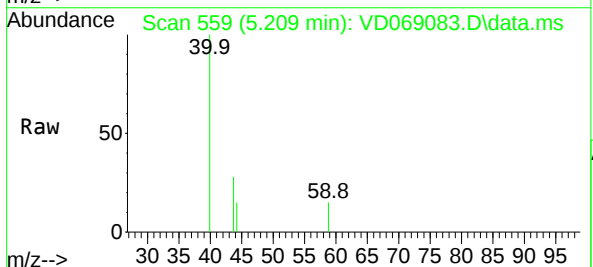
Instrument :
MSVOA_D
ClientSampled :

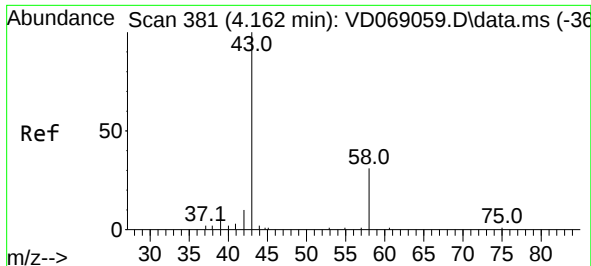
Tgt Ion:142 Resp: 186
Ion Ratio Lower Upper
142 100
127 0.0 41.6 62.4#
141 0.0 12.2 18.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.209 min Scan# 559
Delta R.T. -0.023 min
Lab File: VD069083.D
Acq: 06 May 2021 18:55

Tgt Ion: 59 Resp: 128
Ion Ratio Lower Upper
59 100
57 0.0 5.3 7.9#

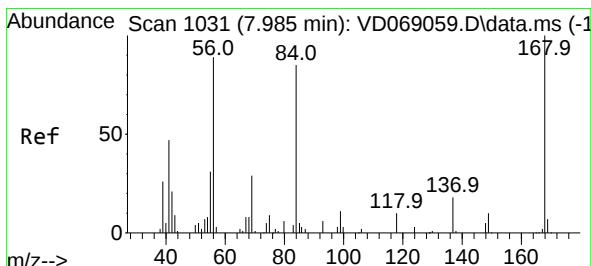
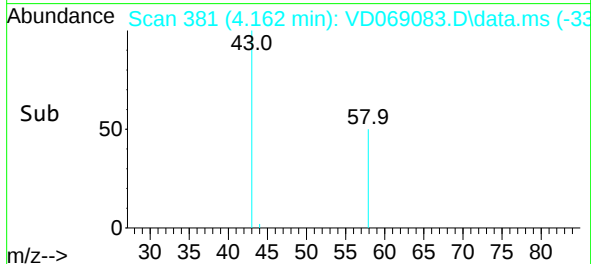
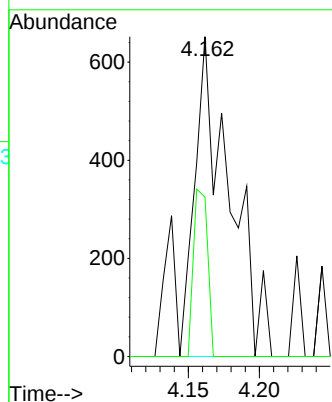
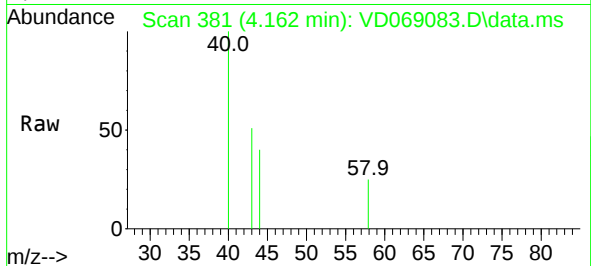




#16
Acetone
Concen: Below Cal
RT: 4.162 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD069083.D
Acq: 06 May 2021 18:55

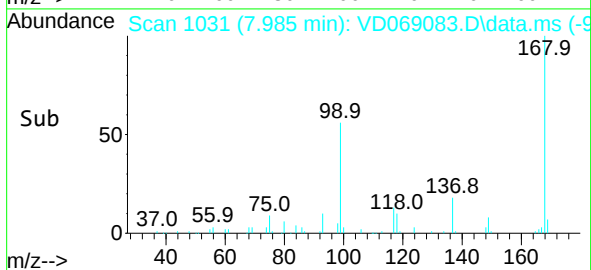
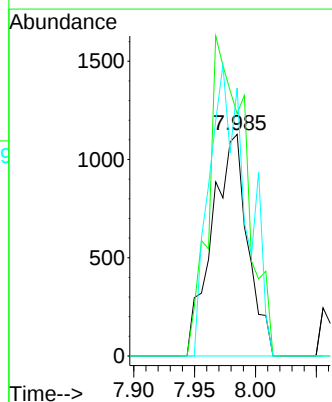
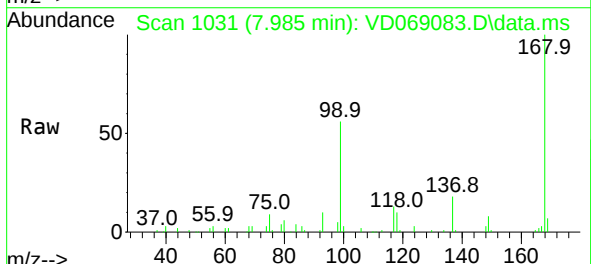
Instrument :
MSVOA_D
ClientSampleId :

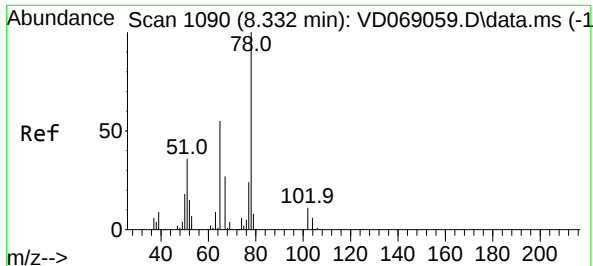
Tgt Ion: 43 Resp: 1112
Ion Ratio Lower Upper
43 100
58 49.8 24.5 36.7#



#31
Cyclohexane
Concen: 1.40 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD069083.D
Acq: 06 May 2021 18:55

Tgt Ion: 56 Resp: 2315
Ion Ratio Lower Upper
56 100
69 109.3 26.3 39.5#
84 120.9 75.9 113.9#

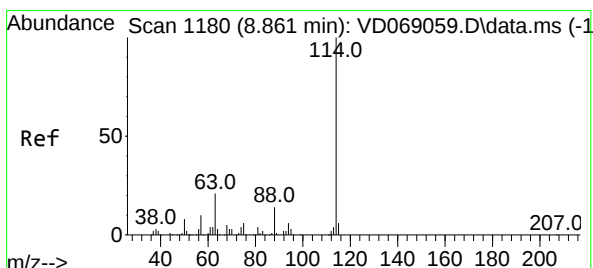
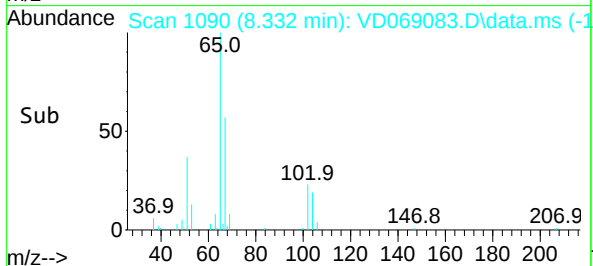
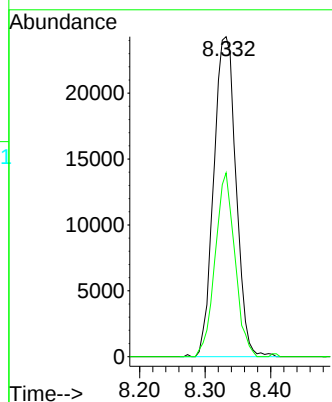
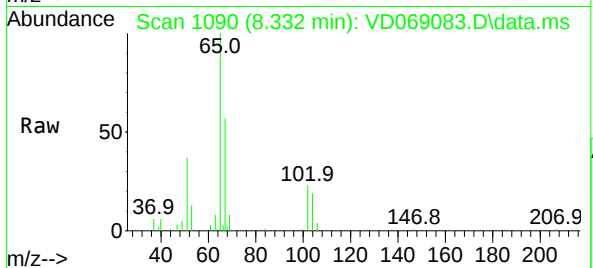




#33
1,2-Dichloroethane-d4
Concen: 50.09 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069083.D
Acq: 06 May 2021 18:55

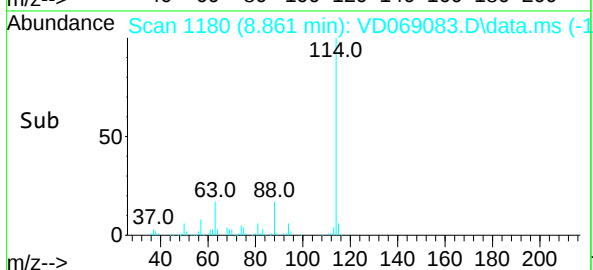
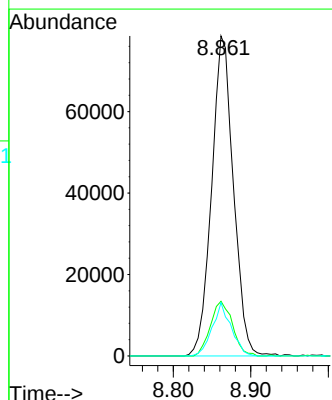
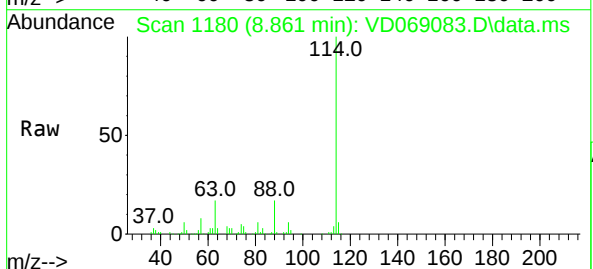
Instrument :
MSVOA_D
ClientSampled :

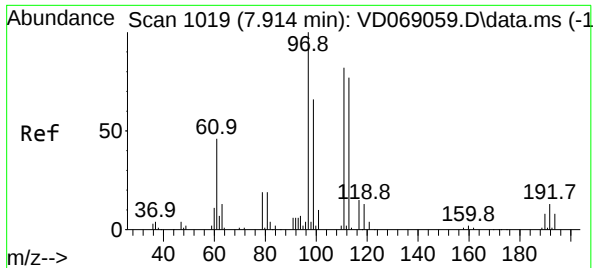
Tgt Ion: 65 Resp: 57154
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069083.D
Acq: 06 May 2021 18:55

Tgt Ion: 114 Resp: 153265
Ion Ratio Lower Upper
114 100
63 17.1 0.0 41.4
88 16.7 0.0 27.8

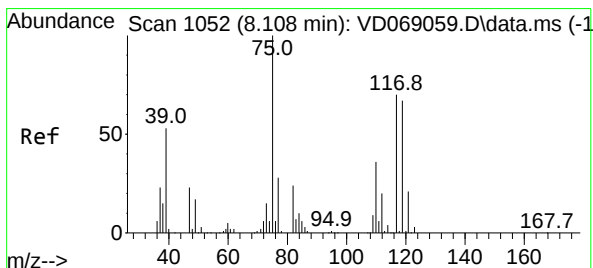
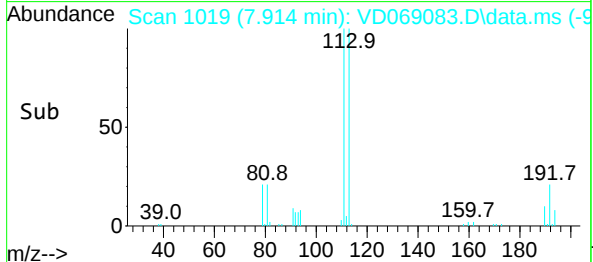
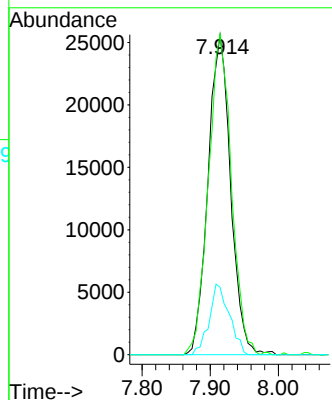
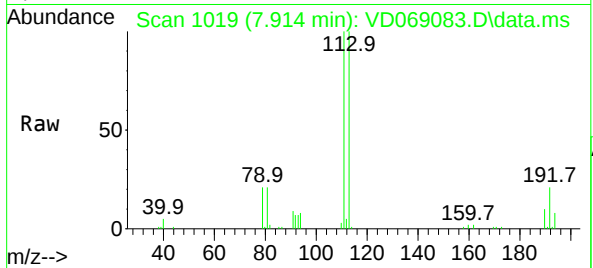




#35
Dibromofluoromethane
Concen: 56.25 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069083.D
Acq: 06 May 2021 18:55

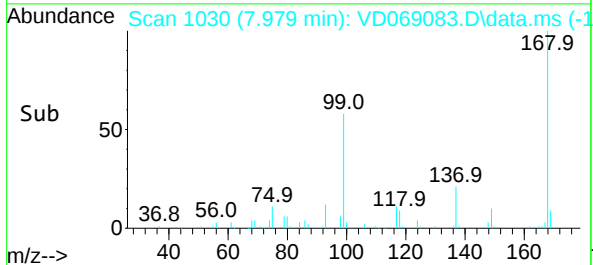
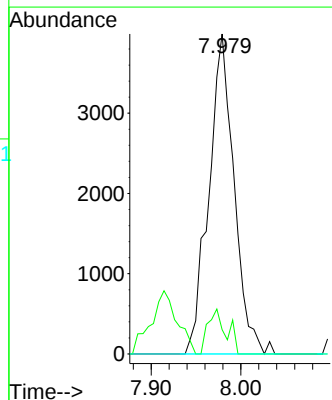
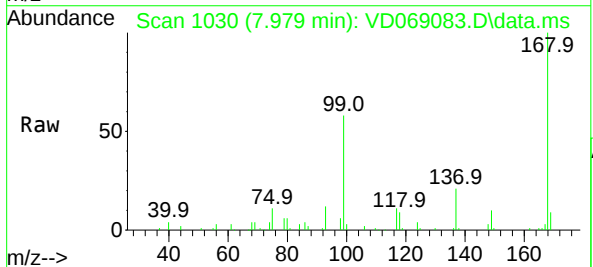
Instrument :
MSVOA_D
ClientSampled :

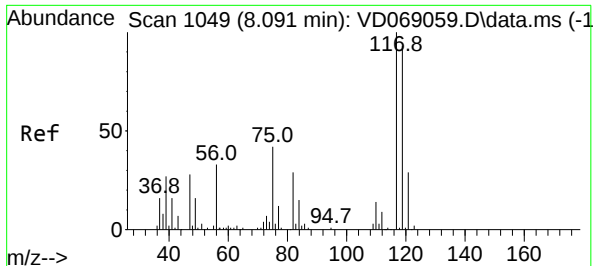
Tgt Ion:113 Resp: 59125
Ion Ratio Lower Upper
113 100
111 101.9 84.6 126.8
192 19.7 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.84 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069083.D
Acq: 06 May 2021 18:55

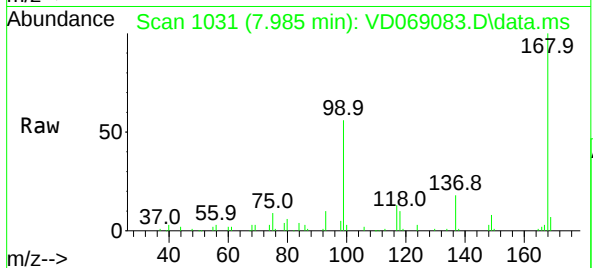
Tgt Ion: 75 Resp: 7805
Ion Ratio Lower Upper
75 100
110 10.2 17.3 51.7#
77 0.0 23.9 35.9#



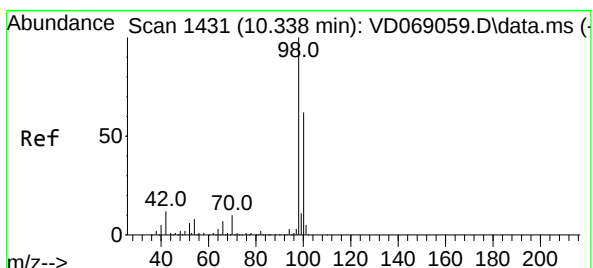
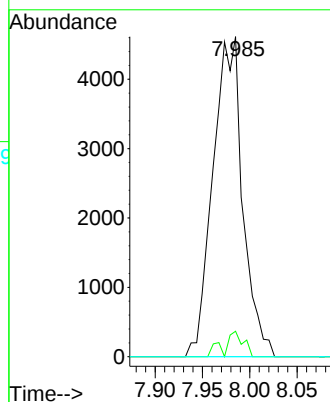
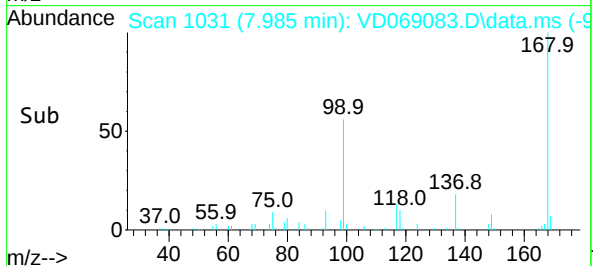


#38
Carbon Tetrachloride
Concen: 5.78 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.106 min
Lab File: VD069083.D
Acq: 06 May 2021 18:55

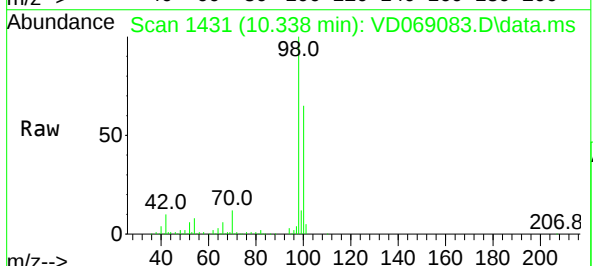
Instrument :
MSVOA_D
ClientSampled :



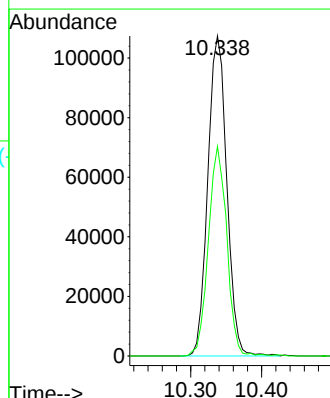
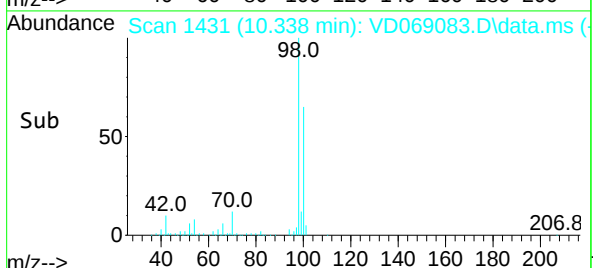
Tgt Ion:117 Resp: 10100
Ion Ratio Lower Upper
117 100
119 8.0 74.7 112.1#
121 0.0 23.1 34.7#

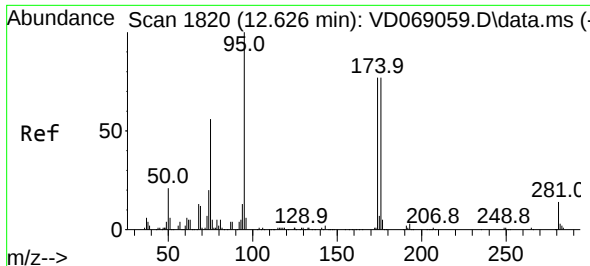


#50
Toluene-d8
Concen: 51.41 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069083.D
Acq: 06 May 2021 18:55



Tgt Ion: 98 Resp: 199476
Ion Ratio Lower Upper
98 100
100 63.6 51.6 77.4

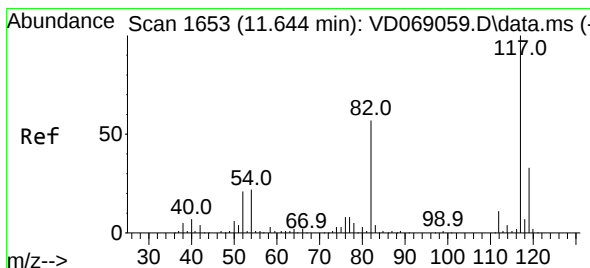
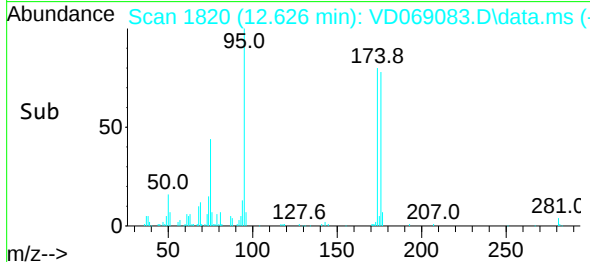
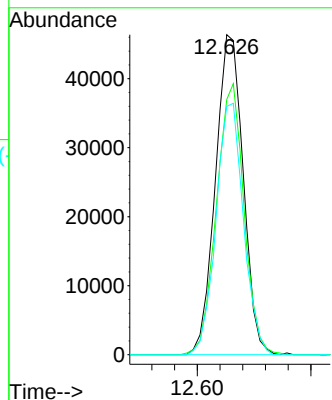
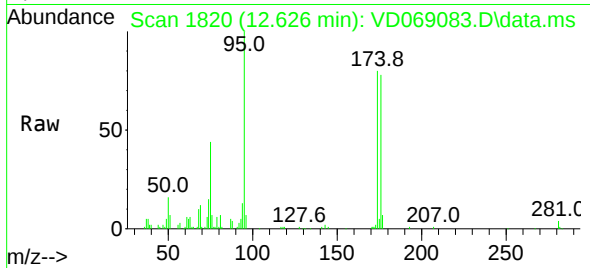




#62
4-Bromofluorobenzene
Concen: 61.57 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069083.D
Acq: 06 May 2021 18:55

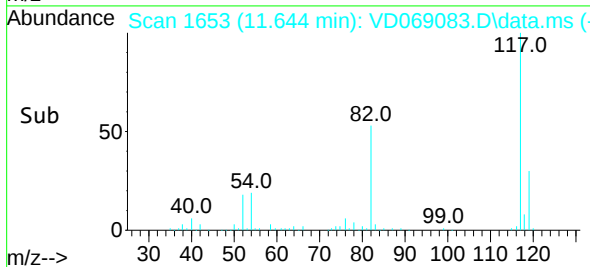
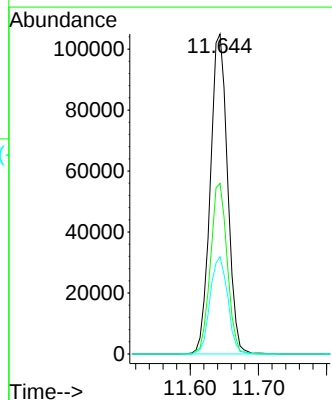
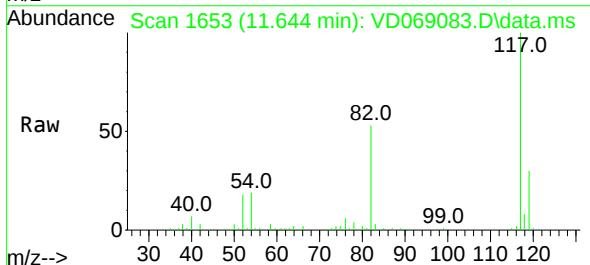
Instrument :
MSVOA_D
ClientSampleId :

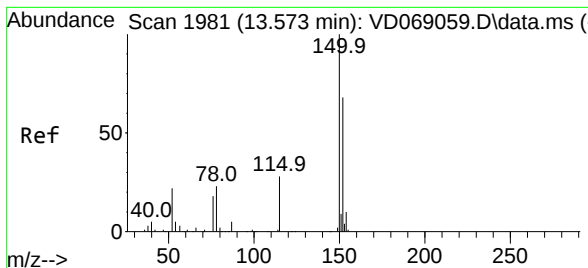
Tgt Ion: 95 Resp: 78582
Ion Ratio Lower Upper
95 100
174 84.3 0.0 156.0
176 77.9 0.0 149.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069083.D
Acq: 06 May 2021 18:55

Tgt Ion: 117 Resp: 184645
Ion Ratio Lower Upper
117 100
82 53.3 45.4 68.2
119 30.4 26.8 40.2

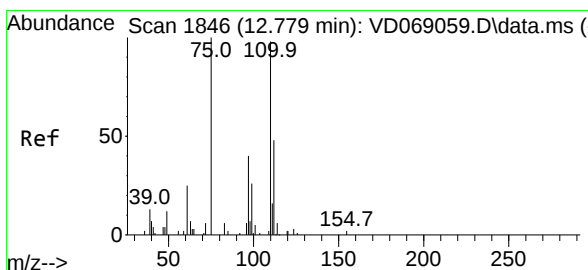
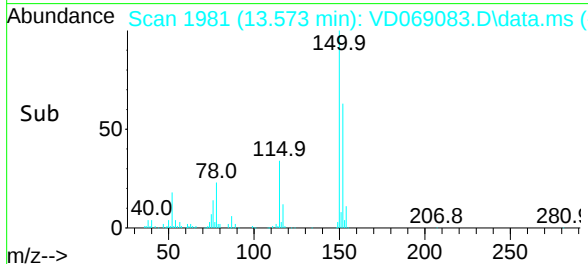
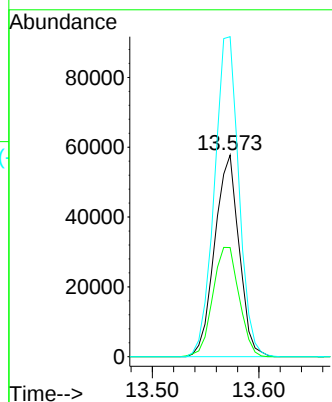
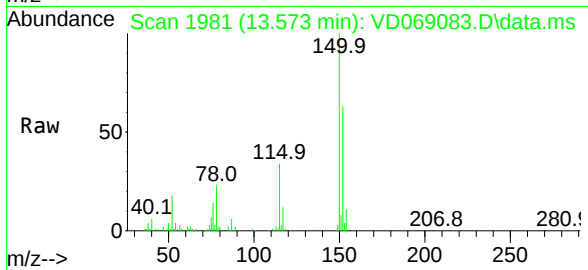




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD069083.D
Acq: 06 May 2021 18:55

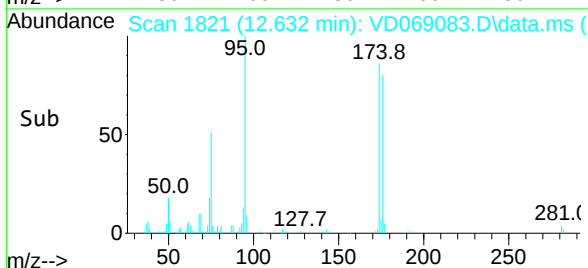
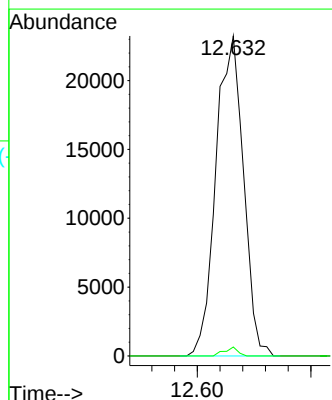
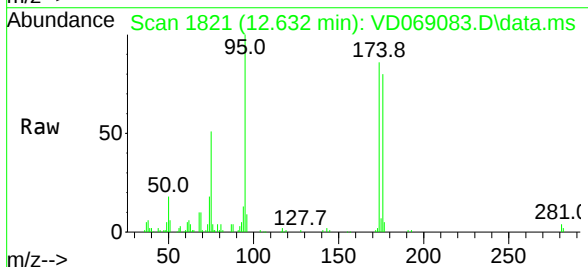
Instrument :
MSVOA_D
ClientSampleId :

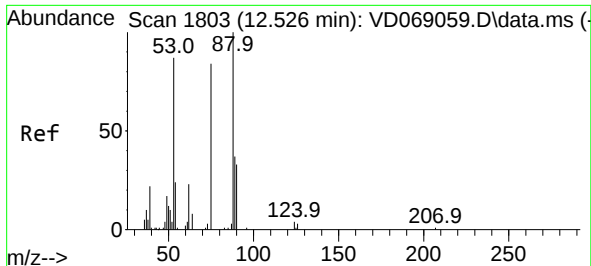
Tgt Ion:152 Resp: 91728
Ion Ratio Lower Upper
152 100
115 58.4 30.5 91.5
150 159.3 0.0 340.8



#76
1,2,3-Trichloropropane
Concen: 48.97 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.147 min
Lab File: VD069083.D
Acq: 06 May 2021 18:55

Tgt Ion: 75 Resp: 39100
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

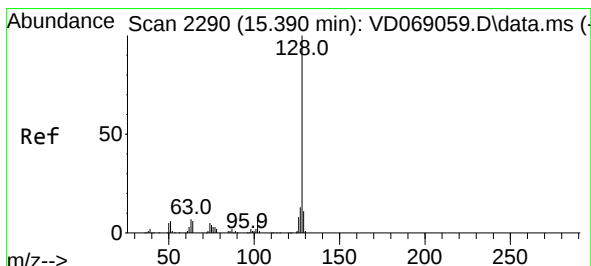
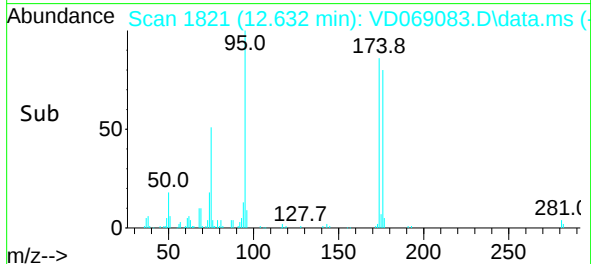
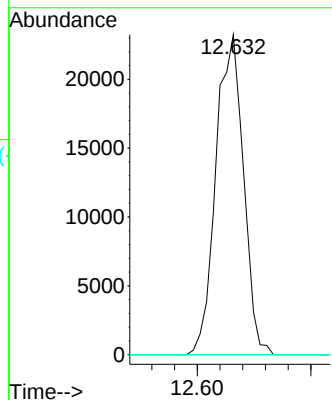
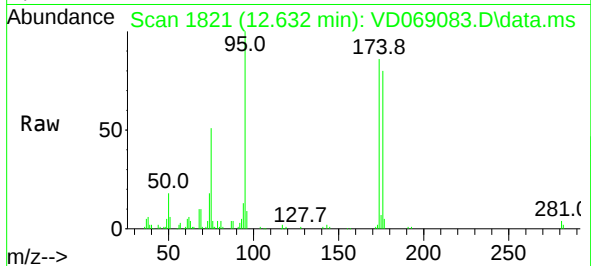




#81
trans-1,4-Dichloro-2-butene
Concen: 106.54 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD069083.D
Acq: 06 May 2021 18:55

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 39100
Ion Ratio Lower Upper
75 100
53 0.0 80.4 120.6#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 2.87 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069083.D
Acq: 06 May 2021 18:55

Tgt Ion:128 Resp: 148
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 38.5 8.5 12.7#

