

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050621\
 Data File : VD069081.D
 Acq On : 06 May 2021 17:55
 Operator : VA/SY
 Sample : M2275-01
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 07 01:11:29 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)

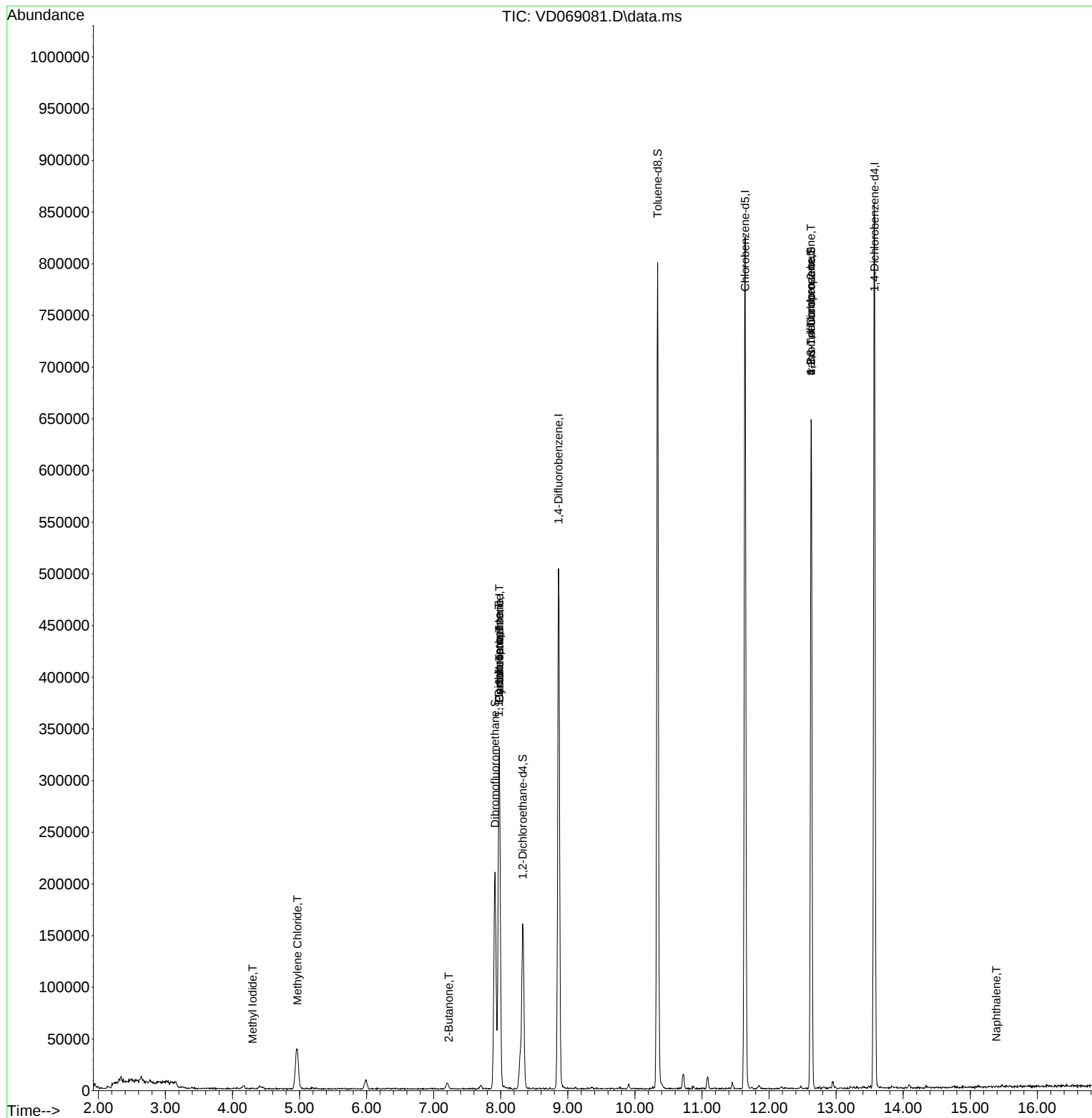
Internal Standards						
1) Pentafluorobenzene	7.979	168	244967	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	439664	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	477480	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	234092	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	128589	40.73	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	81.46%		
35) Dibromofluoromethane	7.914	113	148581	49.28	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.56%		
50) Toluene-d8	10.338	98	537424	48.28	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.56%		
62) 4-Bromofluorobenzene	12.626	95	206356	56.36	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	112.72%		
Target Compounds						Qvalue
10) Methyl Iodide	4.303	142	210	3.25	ug/l #	35
11) Tert butyl alcohol	5.232	59	212	Below Cal	#	81
16) Acetone	4.161	43	5000	Below Cal		93
20) Methylene Chloride	4.967	84	32567	4.34	ug/l #	89
25) 2-Butanone	7.226	43	1449	2.15	ug/l	95
31) Cyclohexane	7.979	56	6842	1.49	ug/l #	56
36) 1,1-Dichloropropene	7.973	75	19181	4.15	ug/l #	51
38) Carbon Tetrachloride	7.979	117	24509	4.89	ug/l #	17
76) 1,2,3-Trichloropropane	12.626	75	106354	52.19	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	106354	113.56	ug/l #	9
95) Naphthalene	15.390	128	579	2.90	ug/l #	83

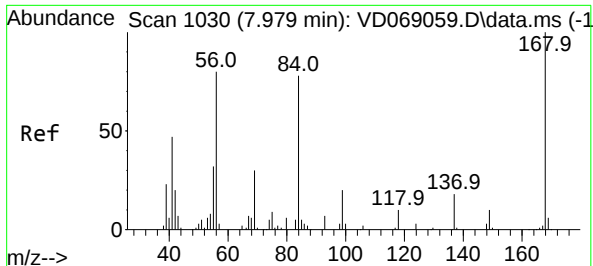
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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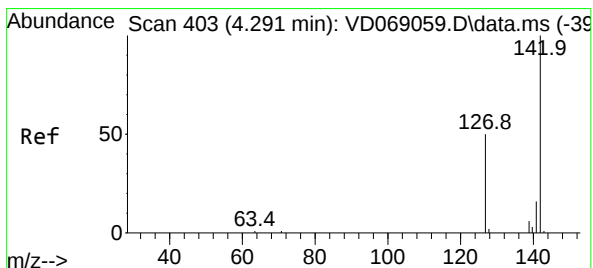
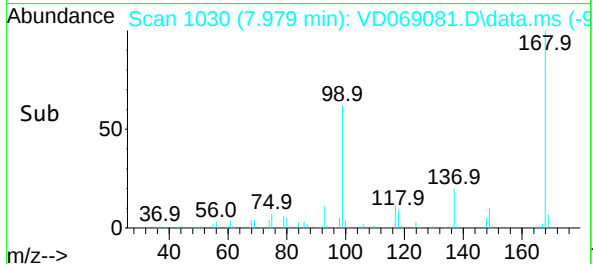
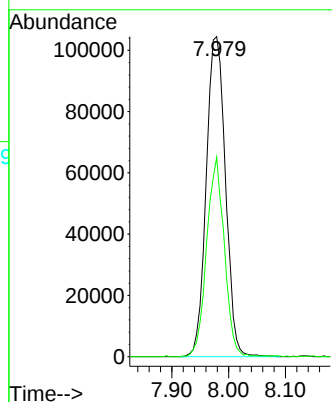
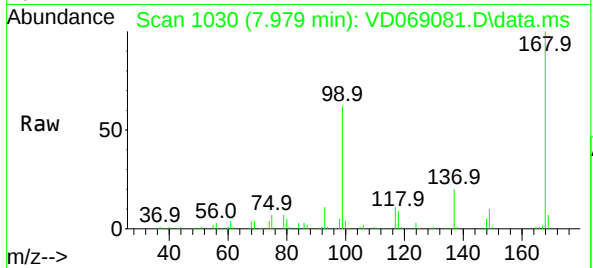




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069081.D
Acq: 06 May 2021 17:55

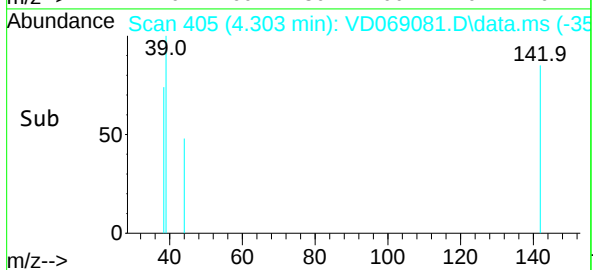
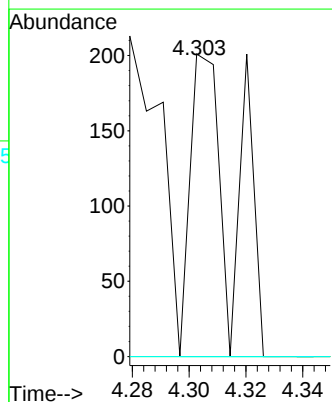
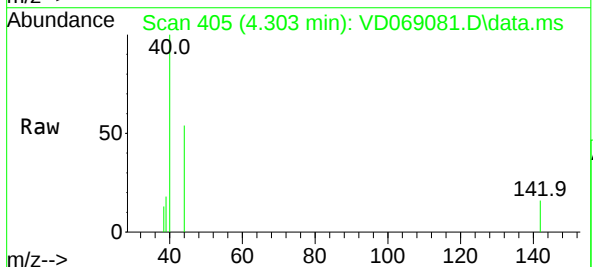
Instrument :
MSVOA_D
ClientSampleId :

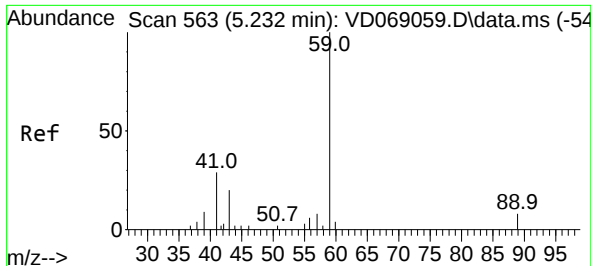
Tgt Ion:168 Resp: 244967
Ion Ratio Lower Upper
168 100
99 62.4 52.6 78.8



#10
Methyl Iodide
Concen: 3.25 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.012 min
Lab File: VD069081.D
Acq: 06 May 2021 17:55

Tgt Ion:142 Resp: 210
Ion Ratio Lower Upper
142 100
127 0.0 41.6 62.4#
141 0.0 12.2 18.4#

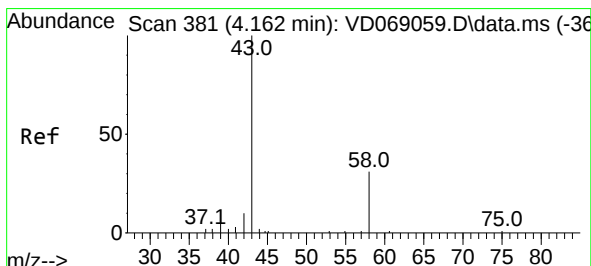
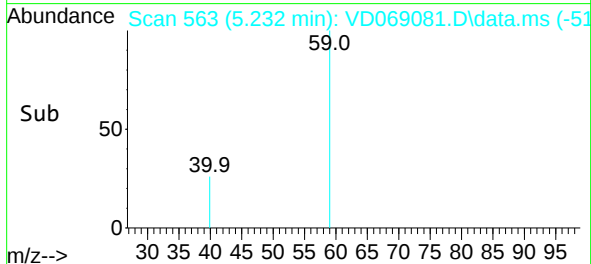
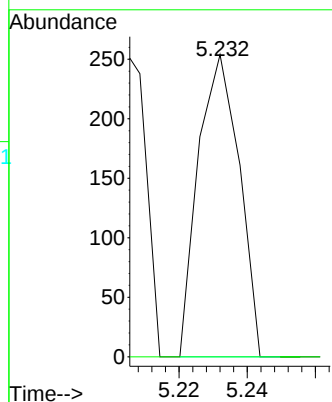
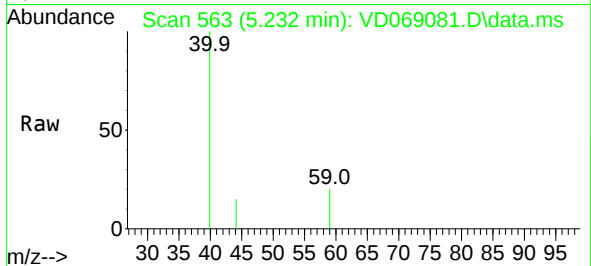




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.232 min Scan# 563
Delta R.T. -0.000 min
Lab File: VD069081.D
Acq: 06 May 2021 17:55

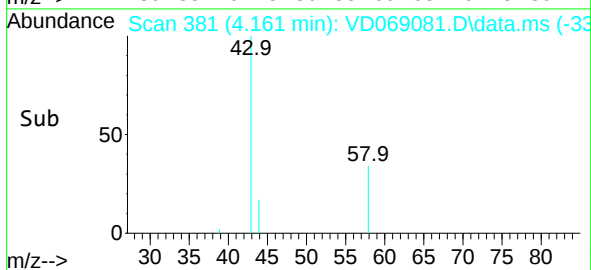
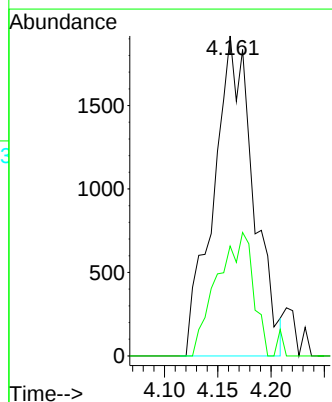
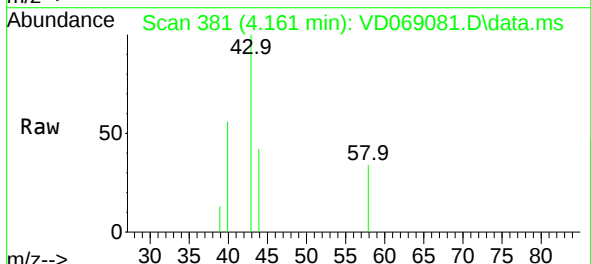
Instrument :
MSVOA_D
ClientSampled :

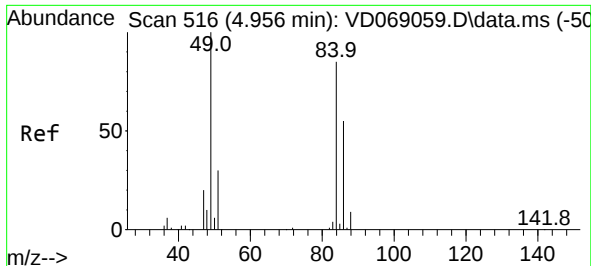
Tgt Ion: 59 Resp: 212
Ion Ratio Lower Upper
59 100
57 0.0 5.3 7.9#



#16
Acetone
Concen: Below Cal
RT: 4.161 min Scan# 381
Delta R.T. -0.001 min
Lab File: VD069081.D
Acq: 06 May 2021 17:55

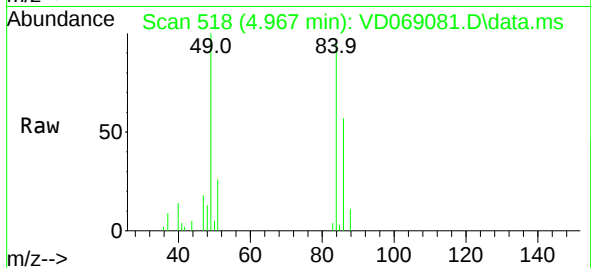
Tgt Ion: 43 Resp: 5000
Ion Ratio Lower Upper
43 100
58 34.3 24.5 36.7



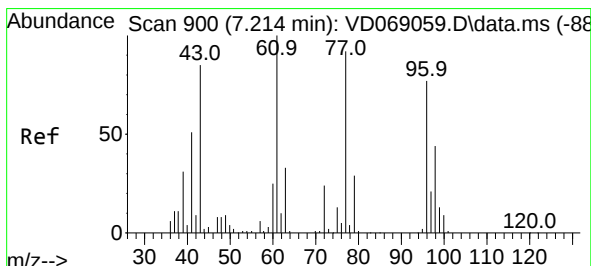
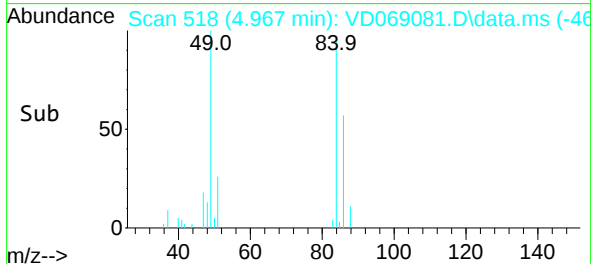
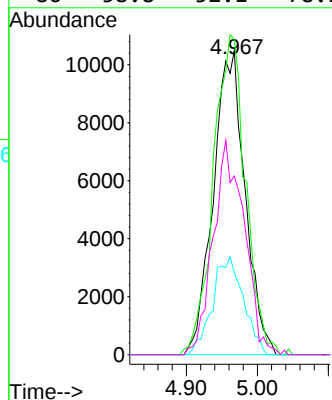


#20
Methylene Chloride
Concen: 4.34 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.011 min
Lab File: VD069081.D
Acq: 06 May 2021 17:55

Instrument :
MSVOA_D
ClientSampled :

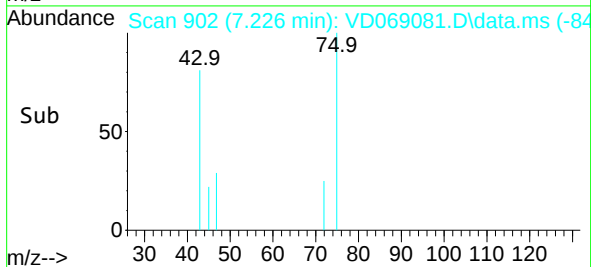
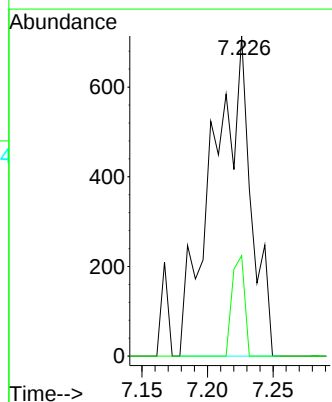
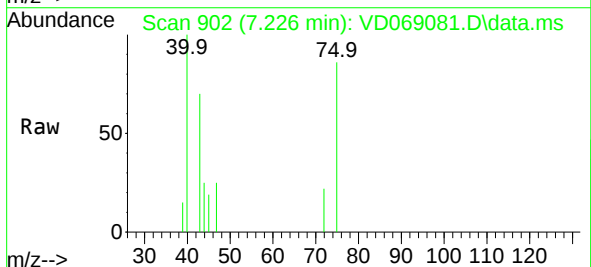


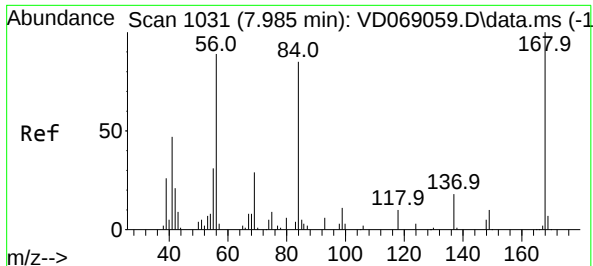
Tgt Ion:	84	Resp:	32567
Ion	Ratio	Lower	Upper
84	100		
49	103.7	93.9	140.9
51	27.0	27.9	41.9#
86	58.8	52.1	78.1



#25
2-Butanone
Concen: 2.15 ug/l
RT: 7.226 min Scan# 902
Delta R.T. 0.012 min
Lab File: VD069081.D
Acq: 06 May 2021 17:55

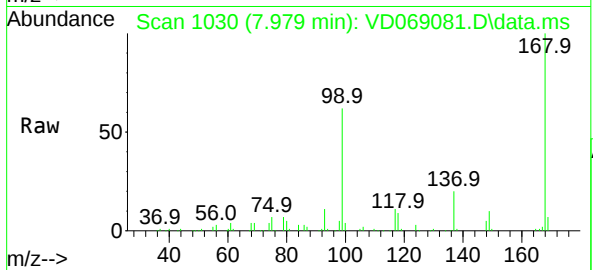
Tgt Ion:	43	Resp:	1449
Ion	Ratio	Lower	Upper
43	100		
72	31.4	23.0	34.4



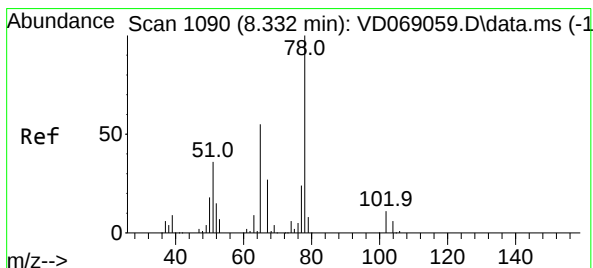
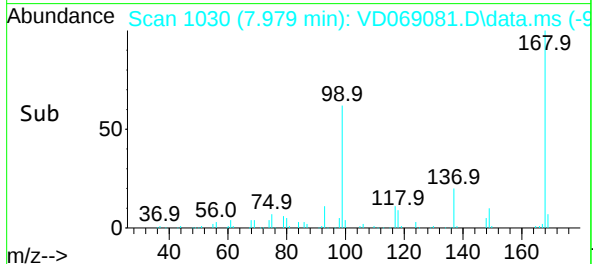
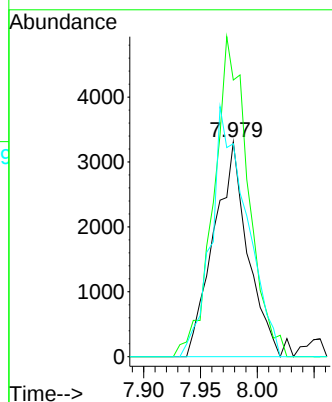


#31
Cyclohexane
Concen: 1.49 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069081.D
Acq: 06 May 2021 17:55

Instrument :
MSVOA_D
ClientSampleId :

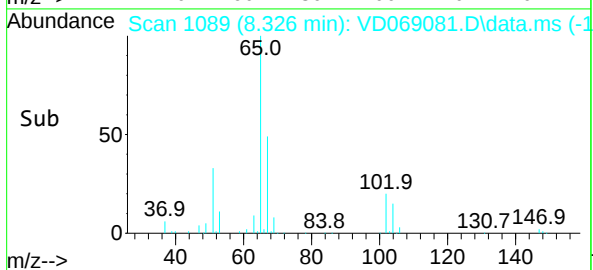
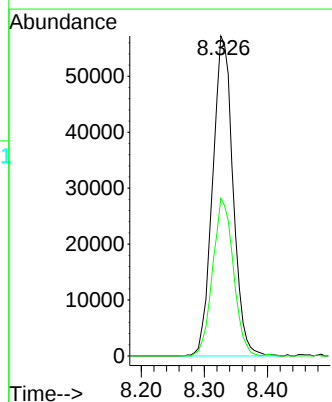
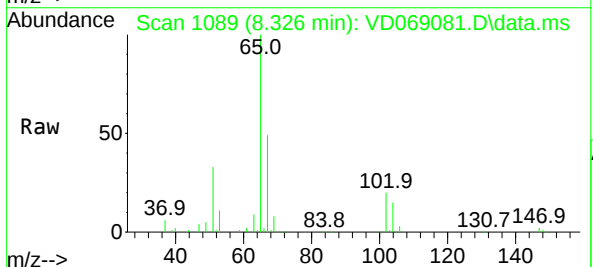


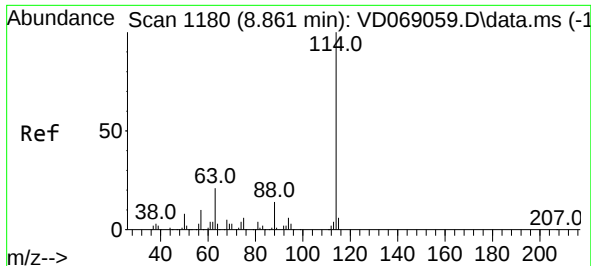
Tgt Ion: 56 Resp: 6842
Ion Ratio Lower Upper
56 100
69 123.2 26.3 39.5#
84 99.2 75.9 113.9



#33
1,2-Dichloroethane-d4
Concen: 40.73 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069081.D
Acq: 06 May 2021 17:55

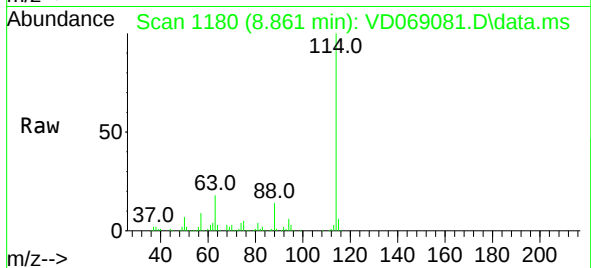
Tgt Ion: 65 Resp: 128589
Ion Ratio Lower Upper
65 100
67 49.9 0.0 103.4



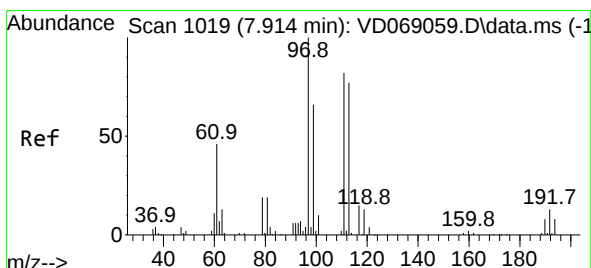
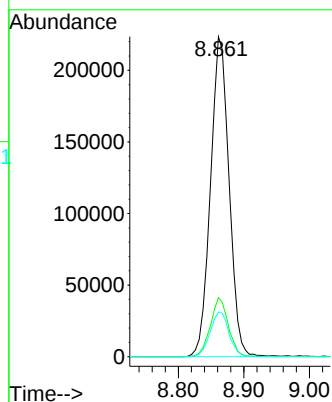
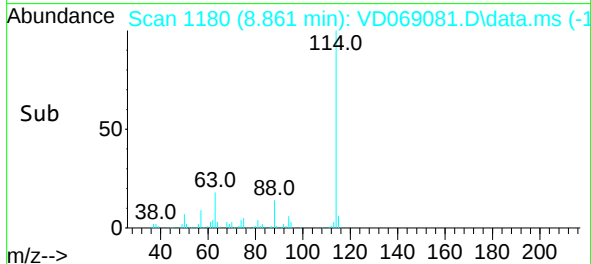


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069081.D
Acq: 06 May 2021 17:55

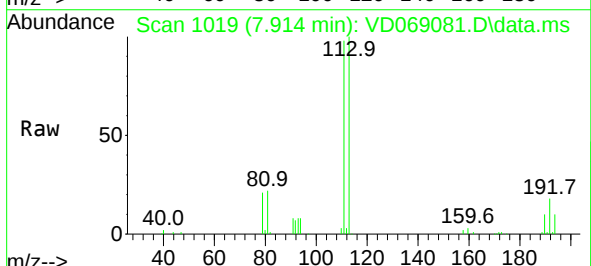
Instrument :
MSVOA_D
ClientSampled :



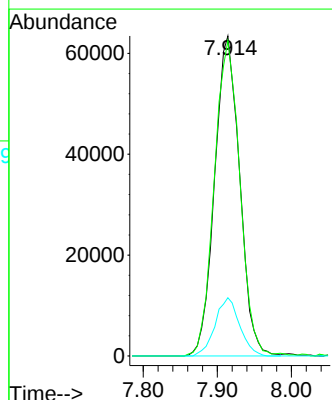
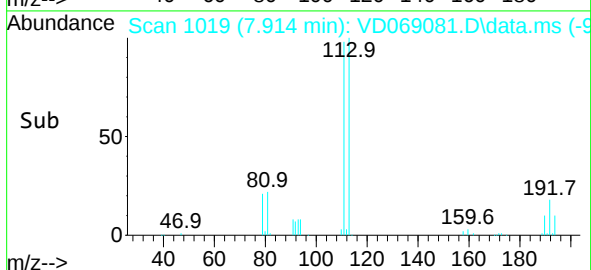
Tgt Ion:114 Resp: 439664
Ion Ratio Lower Upper
114 100
63 18.4 0.0 41.4
88 13.9 0.0 27.8

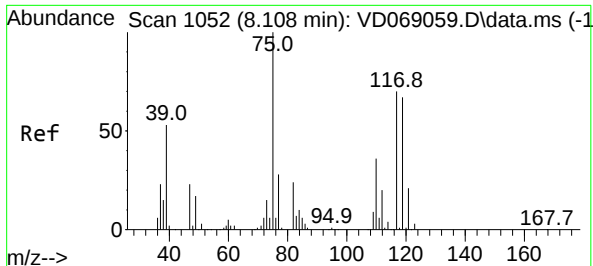


#35
Dibromofluoromethane
Concen: 49.28 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069081.D
Acq: 06 May 2021 17:55



Tgt Ion:113 Resp: 148581
Ion Ratio Lower Upper
113 100
111 100.9 84.6 126.8
192 17.8 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.15 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD069081.D

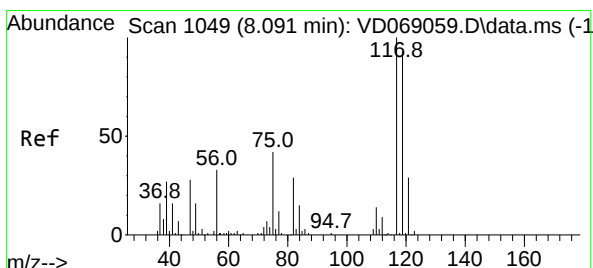
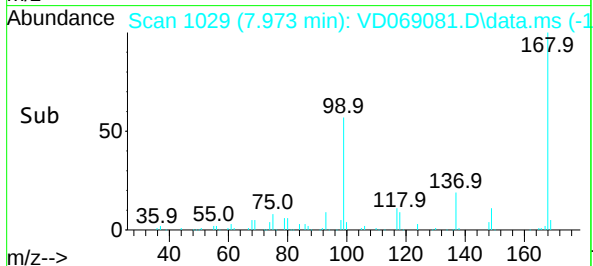
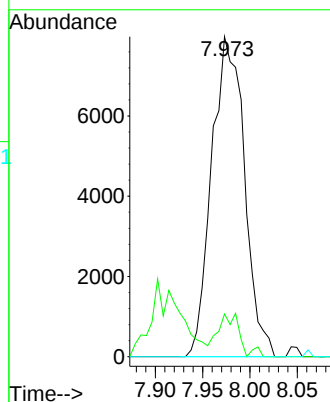
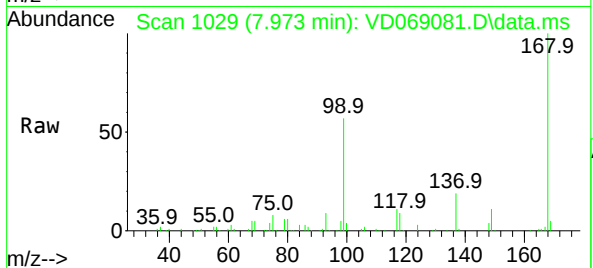
Acq: 06 May 2021 17:55

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	75	Resp:	19181
Ion Ratio	Lower	Upper	
75	100		
110	9.1	17.3	51.7#
77	0.0	23.9	35.9#



#38

Carbon Tetrachloride

Concen: 4.89 ug/l

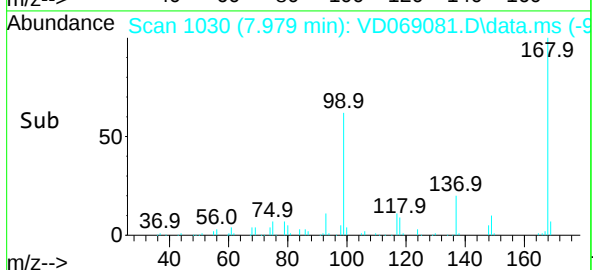
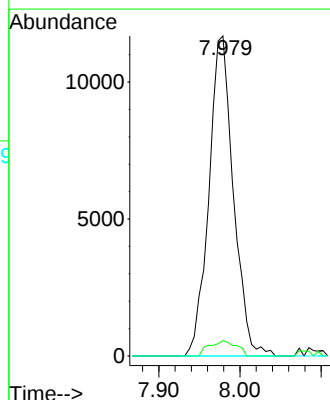
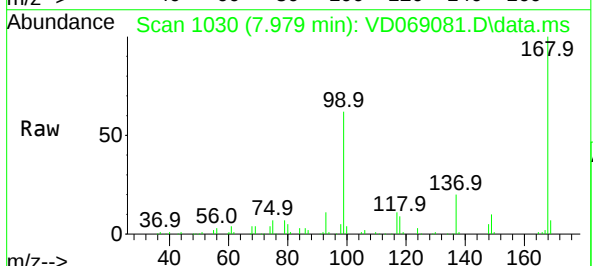
RT: 7.979 min Scan# 1030

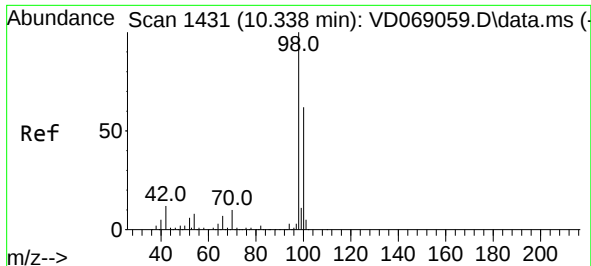
Delta R.T. -0.112 min

Lab File: VD069081.D

Acq: 06 May 2021 17:55

Tgt Ion:	117	Resp:	24509
Ion Ratio	Lower	Upper	
117	100		
119	4.8	74.7	112.1#
121	0.0	23.1	34.7#

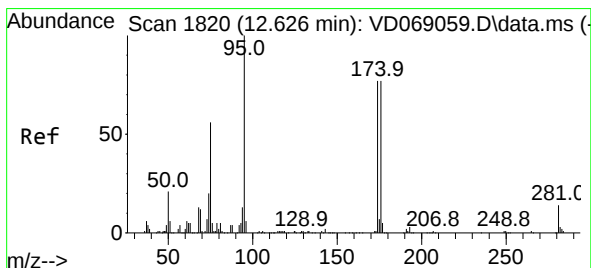
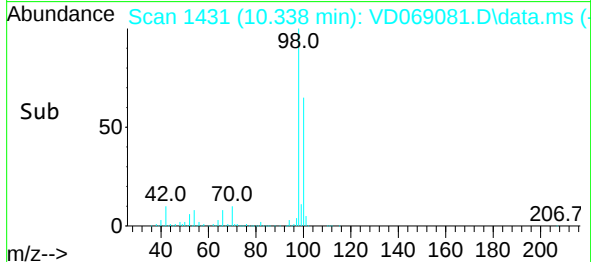
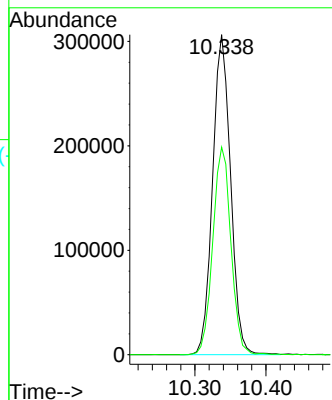
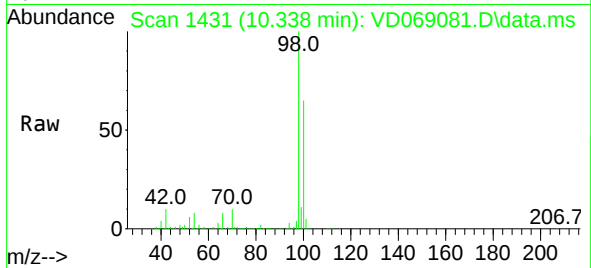




#50
Toluene-d8
Concen: 48.28 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069081.D
Acq: 06 May 2021 17:55

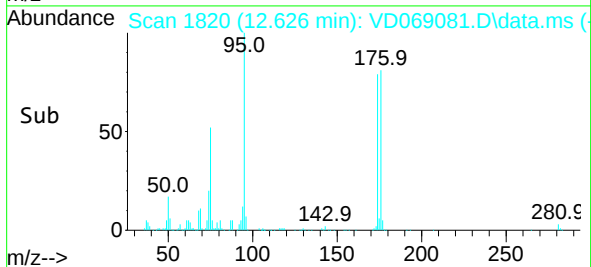
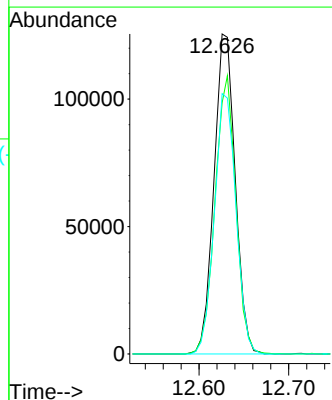
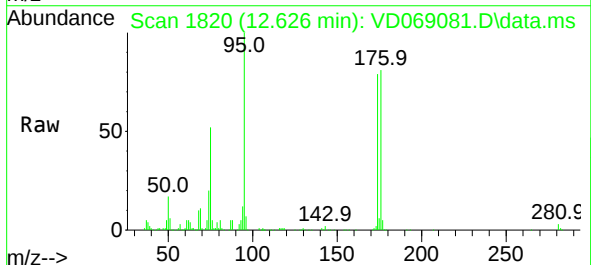
Instrument :
MSVOA_D
ClientSampled :

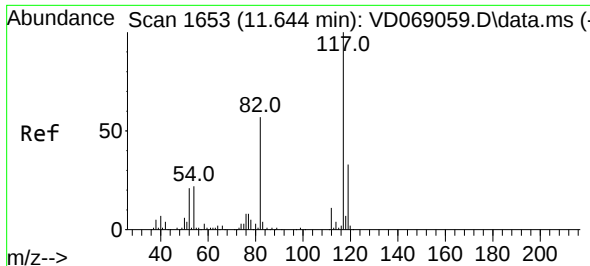
Tgt Ion: 98 Resp: 537424
Ion Ratio Lower Upper
98 100
100 65.5 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 56.36 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069081.D
Acq: 06 May 2021 17:55

Tgt Ion: 95 Resp: 206356
Ion Ratio Lower Upper
95 100
174 85.1 0.0 156.0
176 82.7 0.0 149.4

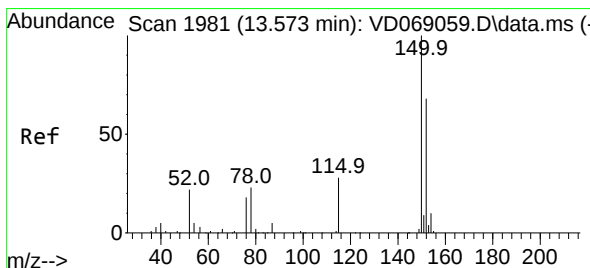
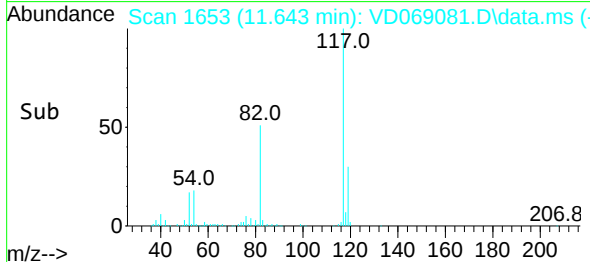
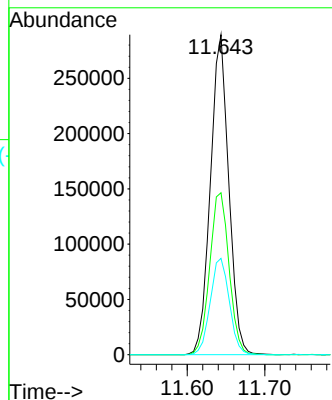
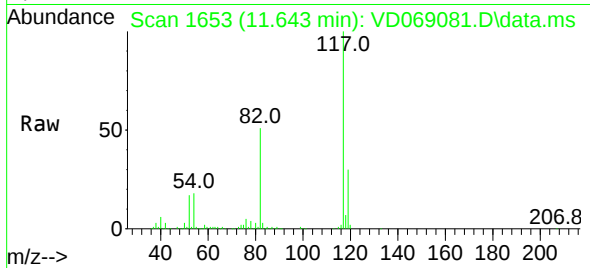




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069081.D
Acq: 06 May 2021 17:55

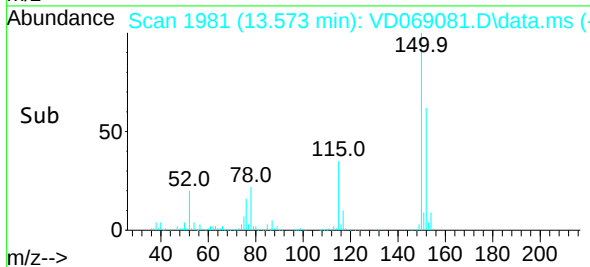
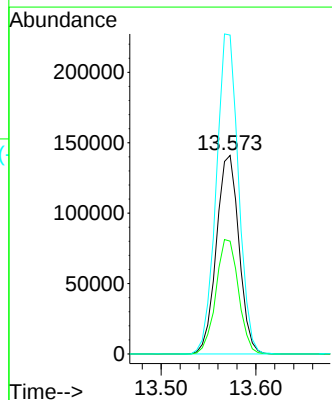
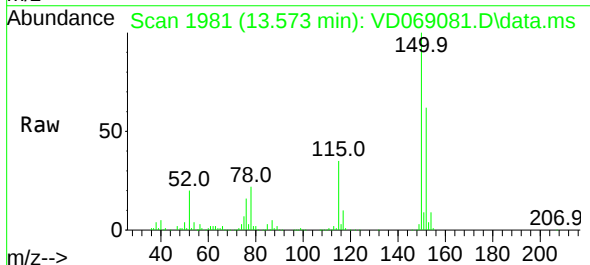
Instrument :
MSVOA_D
ClientSampleId :

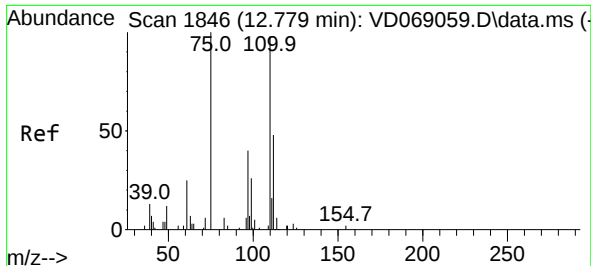
Tgt Ion:117 Resp: 477480
Ion Ratio Lower Upper
117 100
82 50.6 45.4 68.2
119 30.1 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD069081.D
Acq: 06 May 2021 17:55

Tgt Ion:152 Resp: 234092
Ion Ratio Lower Upper
152 100
115 57.6 30.5 91.5
150 158.1 0.0 340.8

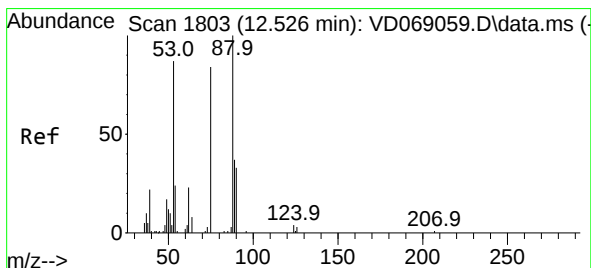
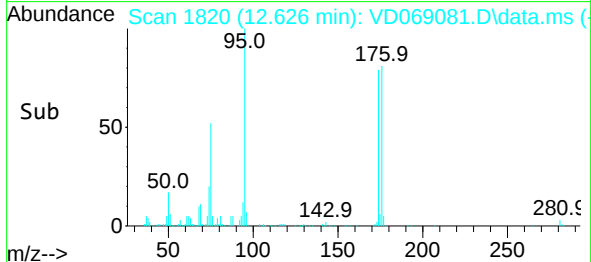
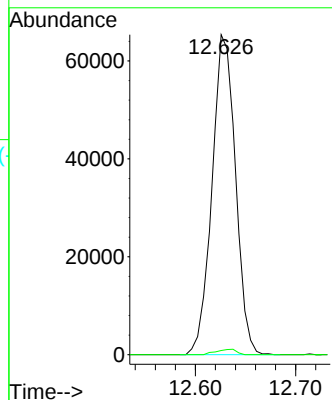
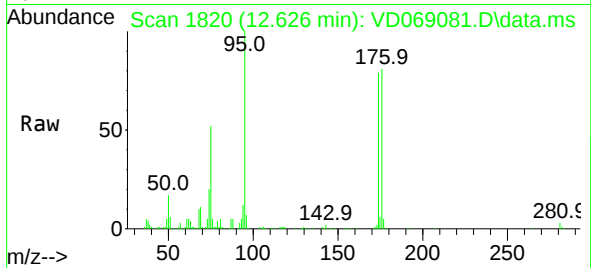




#76
1,2,3-Trichloropropane
Concen: 52.19 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069081.D
Acq: 06 May 2021 17:55

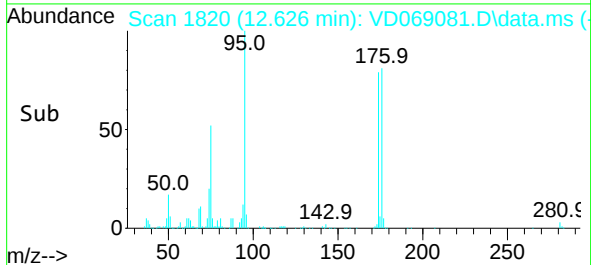
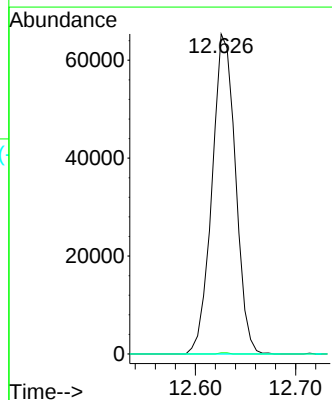
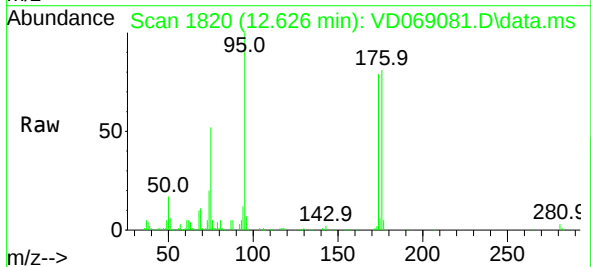
Instrument :
MSVOA_D
ClientSampled :

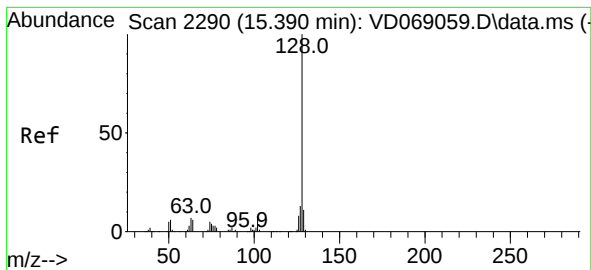
Tgt Ion: 75 Resp: 106354
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.56 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069081.D
Acq: 06 May 2021 17:55

Tgt Ion: 75 Resp: 106354
Ion Ratio Lower Upper
75 100
53 0.1 80.4 120.6#
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 2.90 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069081.D
Acq: 06 May 2021 17:55

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 579
Ion Ratio Lower Upper
128 100
127 10.0 10.7 16.1#
129 0.0 8.5 12.7#

