

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032621\
 Data File : VD068682.D
 Acq On : 26 Mar 2021 14:12
 Operator : VA/SY
 Sample : M1809-03
 Misc : 5.33G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 27 00:43:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 20 02:00:55 2021
 Response via : Initial Calibration

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

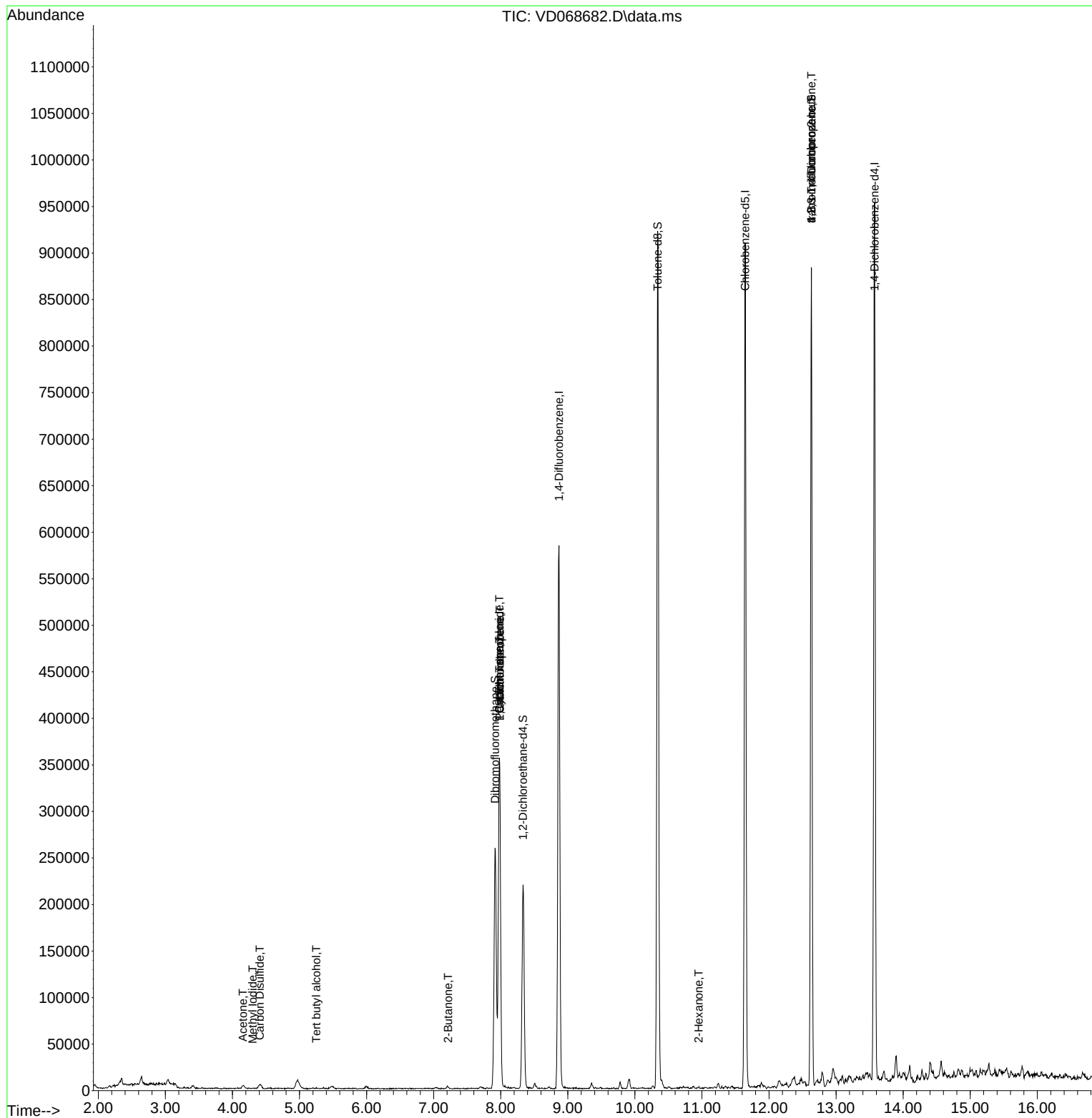
Internal Standards						
1) Pentafluorobenzene	7.985	168	274629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	536176	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	537805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	261532	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	174567	63.04	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 126.08%			
35) Dibromofluoromethane	7.914	113	186879	56.02	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.04%			
50) Toluene-d8	10.338	98	668353	51.96	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.92%			
62) 4-Bromofluorobenzene	12.632	95	249401	59.81	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 119.62%			
Target Compounds						Qvalue
10) Methyl Iodide	4.303	142	113	3.51	ug/l #	41
11) Tert butyl alcohol	5.250	59	160	1.25	ug/l #	73
16) Acetone	4.156	43	5243	15.61	ug/l	94
17) Carbon Disulfide	4.409	76	10617	1.52	ug/l	97
20) Methylene Chloride	4.973	84	7338	Below Cal	#	86
25) 2-Butanone	7.214	43	1075	1.93	ug/l #	39
31) Cyclohexane	7.979	56	6518	1.46	ug/l #	43
36) 1,1-Dichloropropene	7.985	75	21794	4.55	ug/l #	48
38) Carbon Tetrachloride	7.979	117	28221	5.90	ug/l #	16
59) 2-Hexanone	10.950	43	1038	1.02	ug/l #	19
76) 1,2,3-Trichloropropane	12.632	75	127929	58.77	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	127929	133.71	ug/l #	16

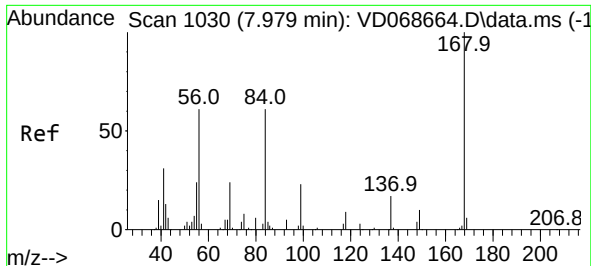
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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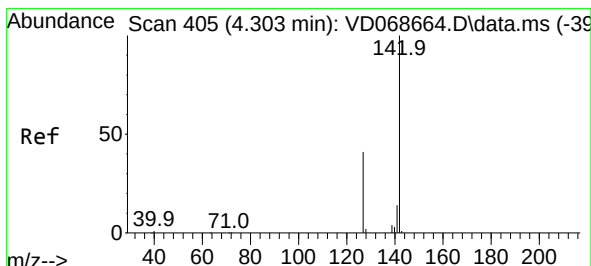
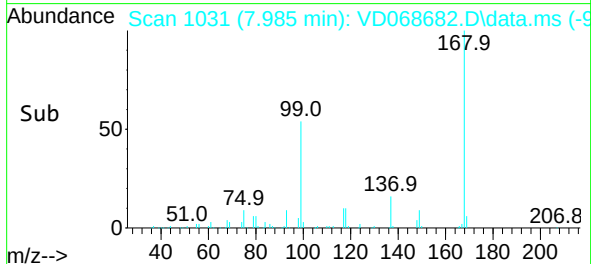
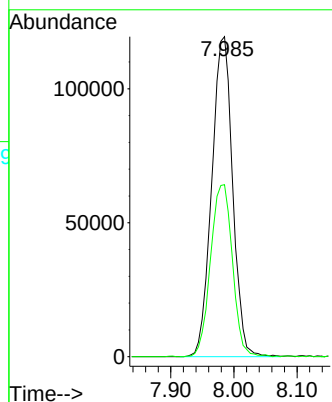
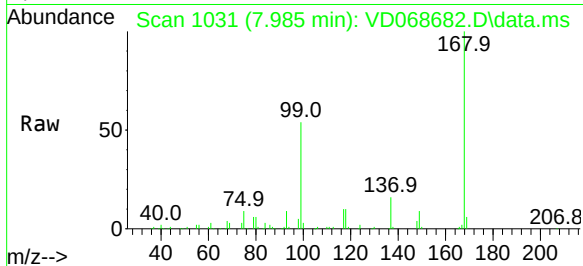




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD068682.D
Acq: 26 Mar 2021 14:12

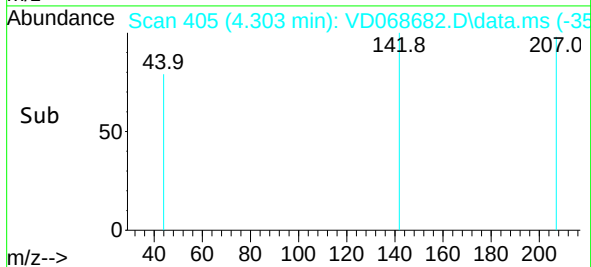
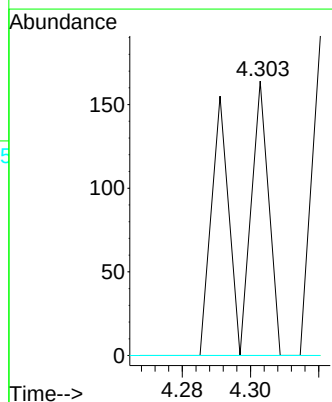
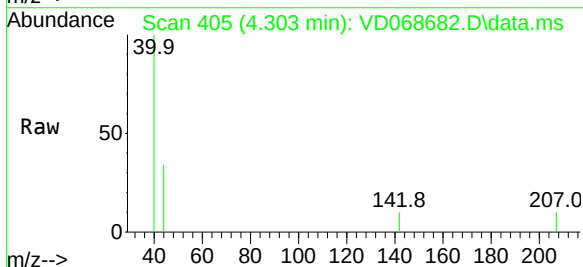
Instrument :
MSVOA_D
ClientSampled :

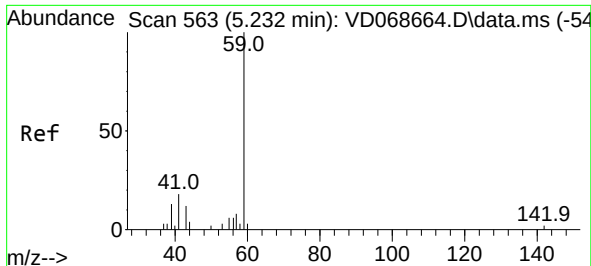
Tgt Ion:168 Resp: 274629
Ion Ratio Lower Upper
168 100
99 53.7 46.2 69.2



#10
Methyl Iodide
Concen: 3.51 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD068682.D
Acq: 26 Mar 2021 14:12

Tgt Ion:142 Resp: 113
Ion Ratio Lower Upper
142 100
127 0.0 34.7 52.1#
141 0.0 11.0 16.4#

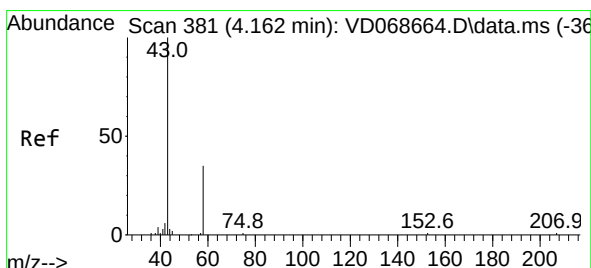
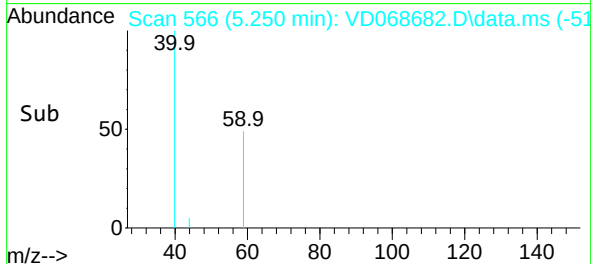
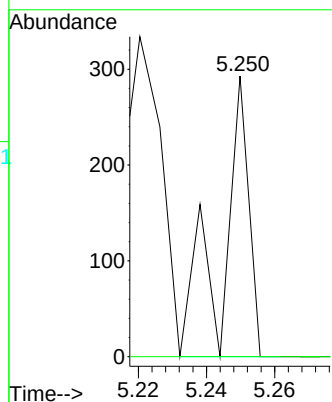
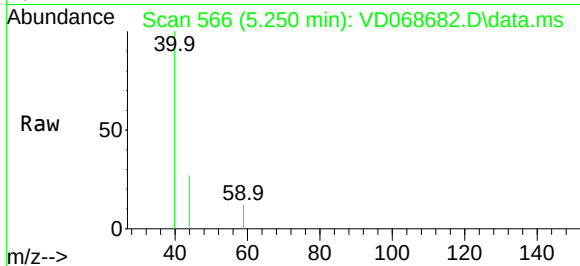




#11
Tert butyl alcohol
Concen: 1.25 ug/l
RT: 5.250 min Scan# 566
Delta R.T. 0.018 min
Lab File: VD068682.D
Acq: 26 Mar 2021 14:12

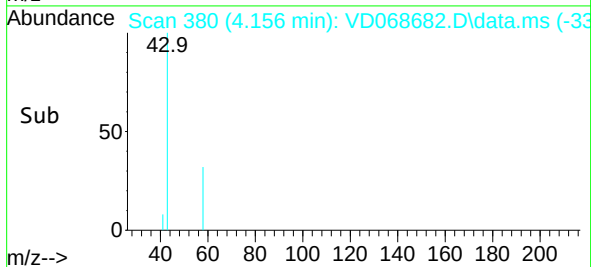
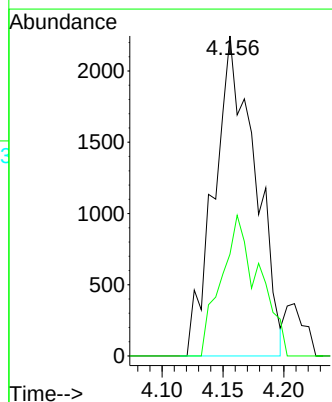
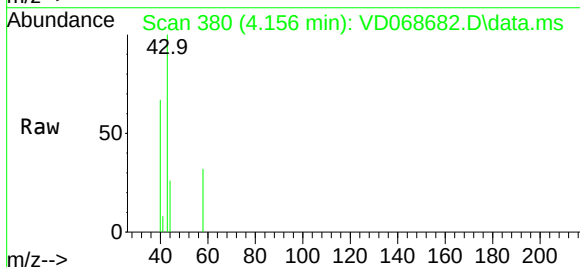
Instrument :
MSVOA_D
ClientSampled :

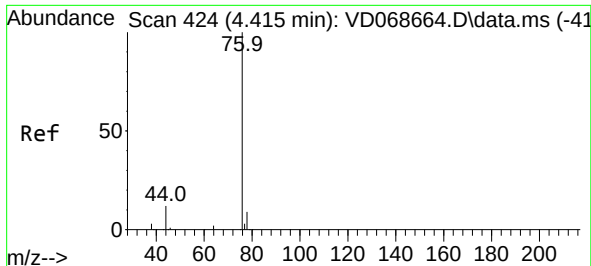
Tgt Ion: 59 Resp: 160
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 15.61 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD068682.D
Acq: 26 Mar 2021 14:12

Tgt Ion: 43 Resp: 5243
Ion Ratio Lower Upper
43 100
58 31.8 28.0 42.0

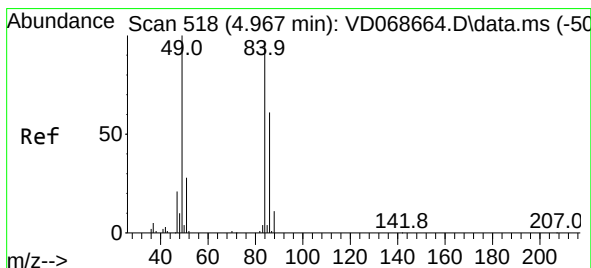
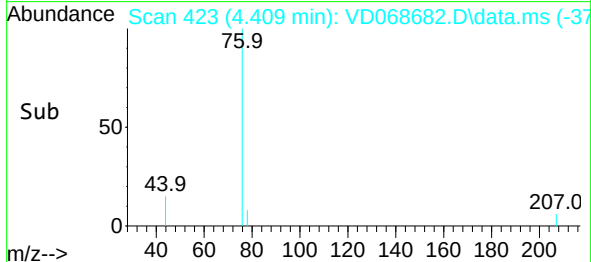
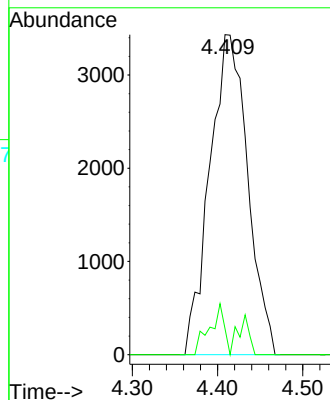
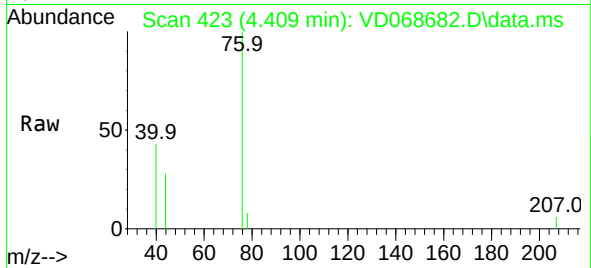




#17
Carbon Disulfide
Concen: 1.52 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.006 min
Lab File: VD068682.D
Acq: 26 Mar 2021 14:12

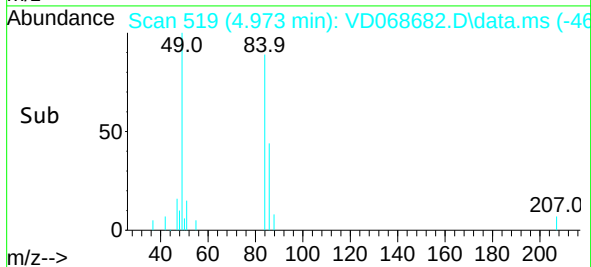
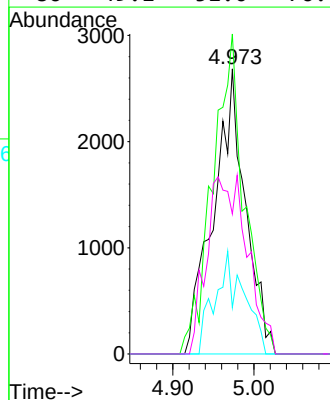
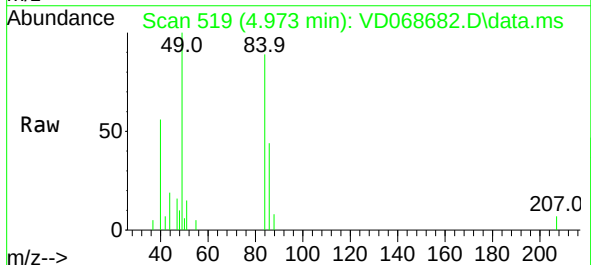
Instrument :
MSVOA_D
ClientSampled :

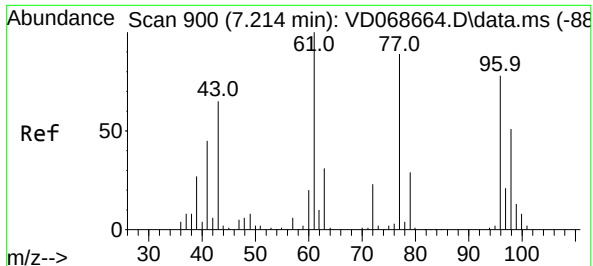
Tgt Ion: 76 Resp: 10617
Ion Ratio Lower Upper
76 100
78 8.2 7.3 10.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.006 min
Lab File: VD068682.D
Acq: 26 Mar 2021 14:12

Tgt Ion: 84 Resp: 7338
Ion Ratio Lower Upper
84 100
49 112.3 83.4 125.0
51 16.3 23.4 35.2#
86 49.1 51.0 76.4#





#25

2-Butanone

Concen: 1.93 ug/l

RT: 7.214 min Scan# 900

Delta R.T. 0.000 min

Lab File: VD068682.D

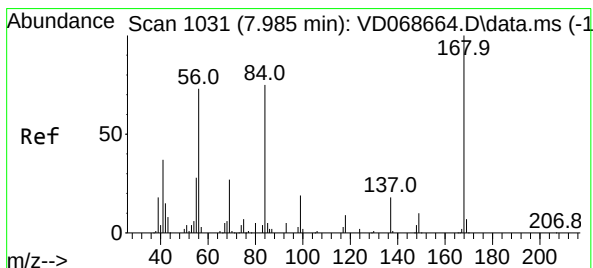
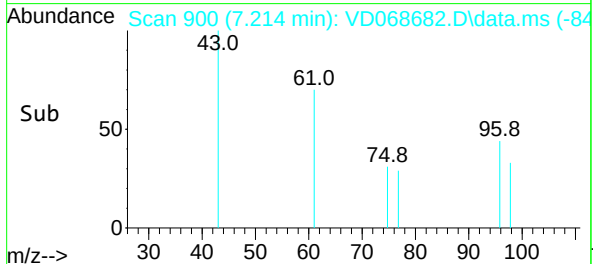
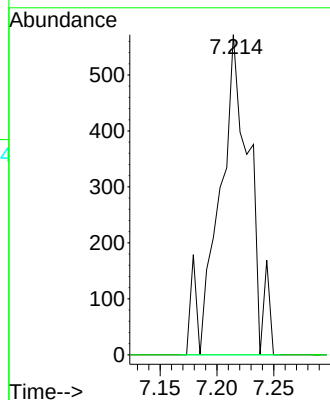
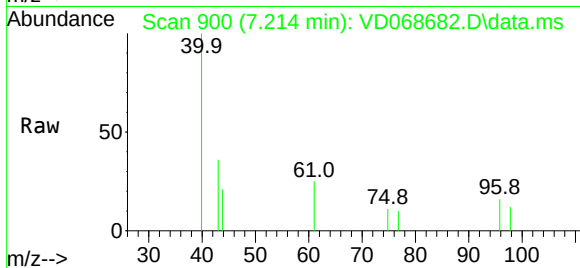
Acq: 26 Mar 2021 14:12

Tgt Ion: 43 Resp: 1075

Ion Ratio Lower Upper

43 100

72 0.0 28.6 43.0#



#31

Cyclohexane

Concen: 1.46 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD068682.D

Acq: 26 Mar 2021 14:12

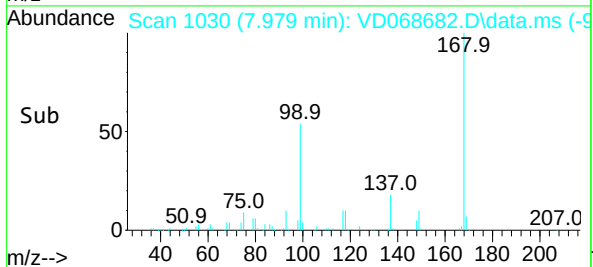
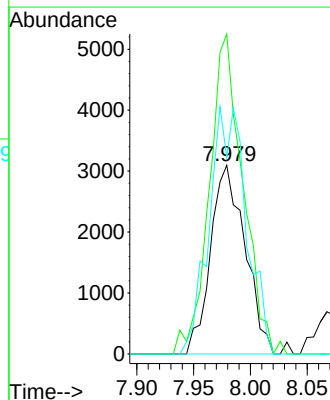
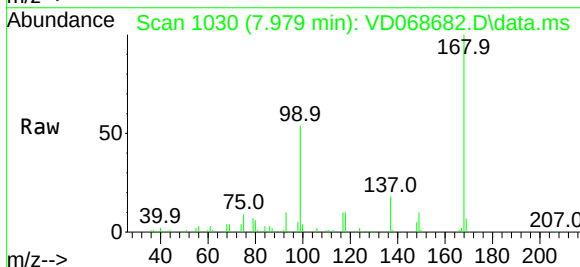
Tgt Ion: 56 Resp: 6518

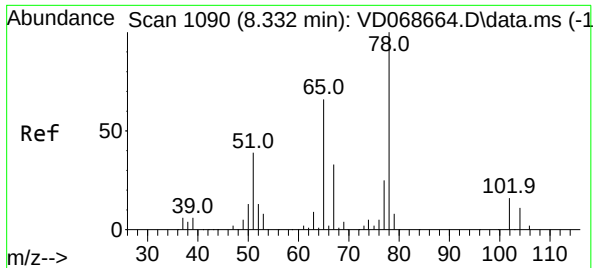
Ion Ratio Lower Upper

56 100

69 163.0 30.0 45.0#

84 104.2 82.0 123.0

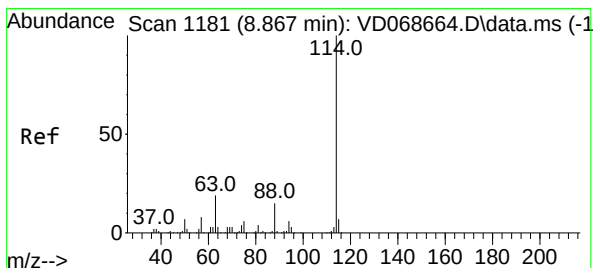
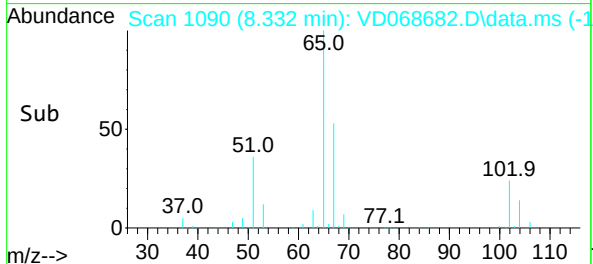
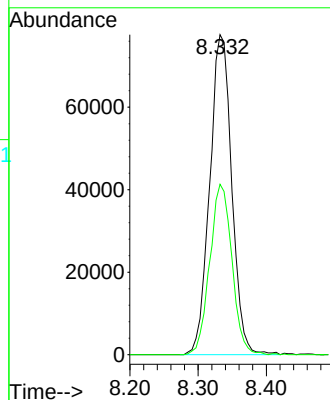
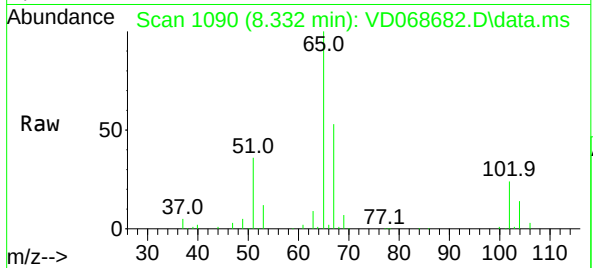




#33
1,2-Dichloroethane-d4
Concen: 63.04 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD068682.D
Acq: 26 Mar 2021 14:12

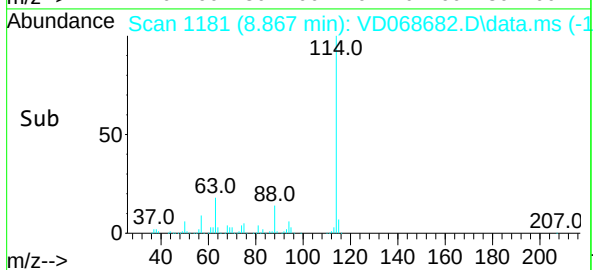
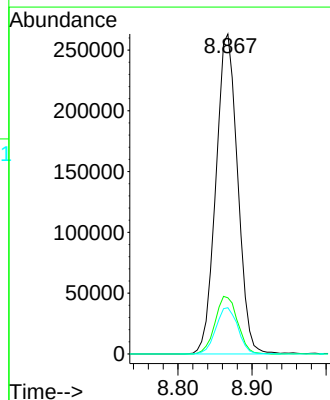
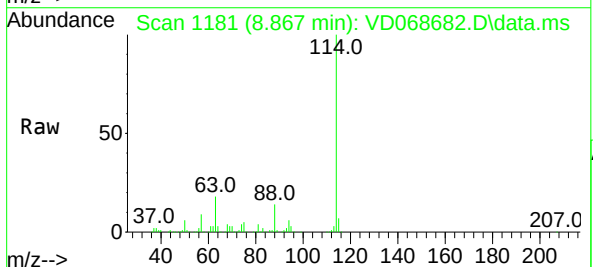
Instrument :
MSVOA_D
ClientSampled :

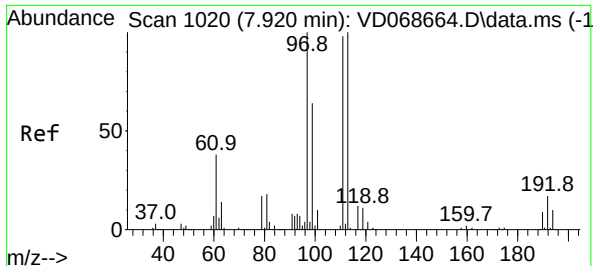
Tgt Ion: 65 Resp: 174567
Ion Ratio Lower Upper
65 100
67 53.5 0.0 106.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068682.D
Acq: 26 Mar 2021 14:12

Tgt Ion: 114 Resp: 536176
Ion Ratio Lower Upper
114 100
63 17.5 0.0 38.2
88 14.5 0.0 29.4





#35

Dibromofluoromethane

Concen: 56.02 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD068682.D

Acq: 26 Mar 2021 14:12

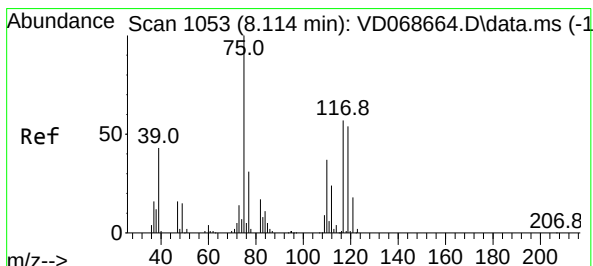
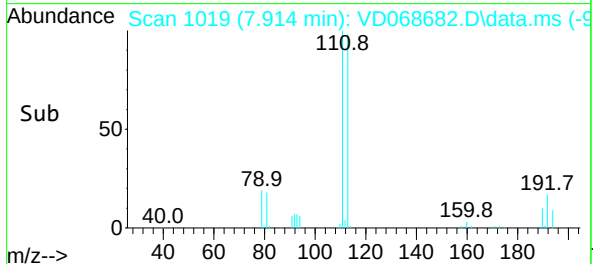
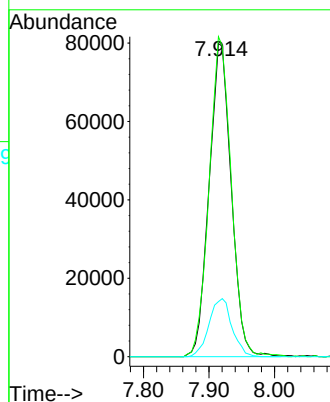
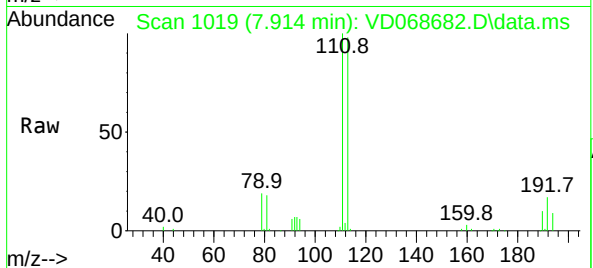
Tgt Ion:113 Resp: 186879

Ion Ratio Lower Upper

113 100

111 102.1 82.5 123.7

192 19.3 15.1 22.7



#36

1,1-Dichloropropene

Concen: 4.55 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.129 min

Lab File: VD068682.D

Acq: 26 Mar 2021 14:12

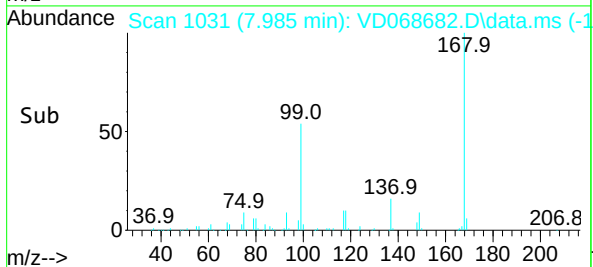
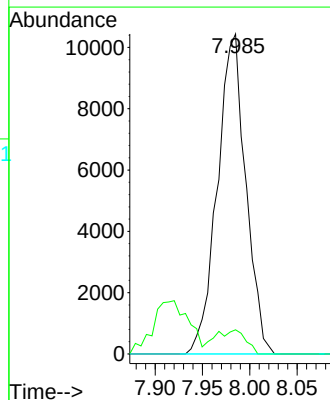
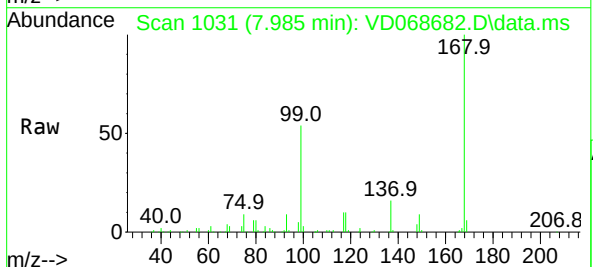
Tgt Ion: 75 Resp: 21794

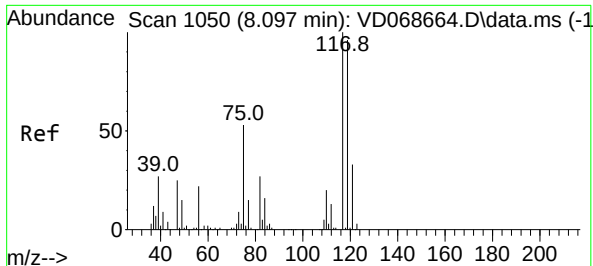
Ion Ratio Lower Upper

75 100

110 7.6 18.1 54.4#

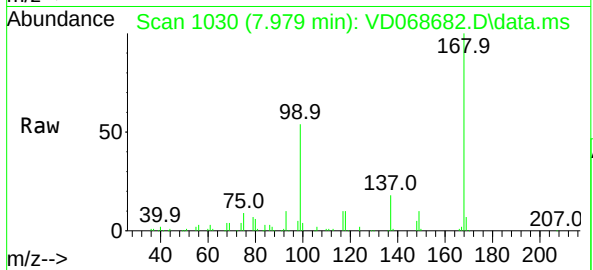
77 0.0 24.7 37.1#



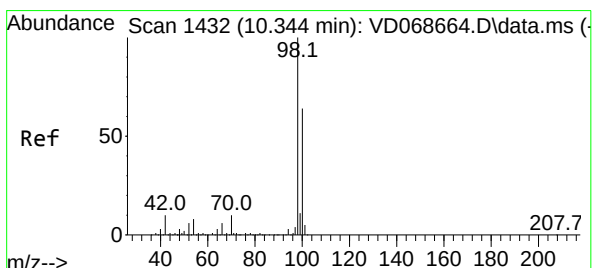
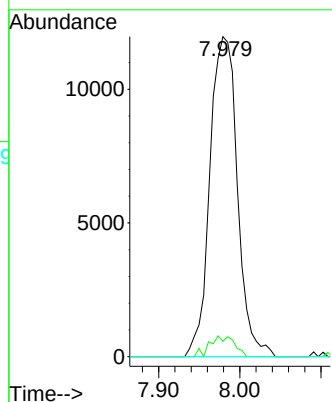
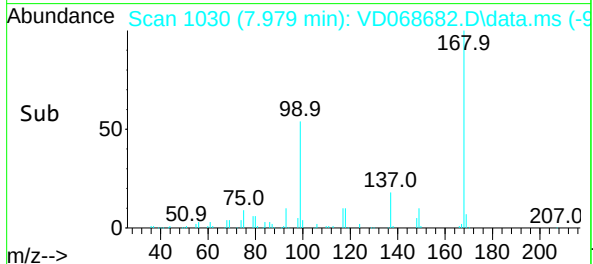


#38
Carbon Tetrachloride
Concen: 5.90 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD068682.D
Acq: 26 Mar 2021 14:12

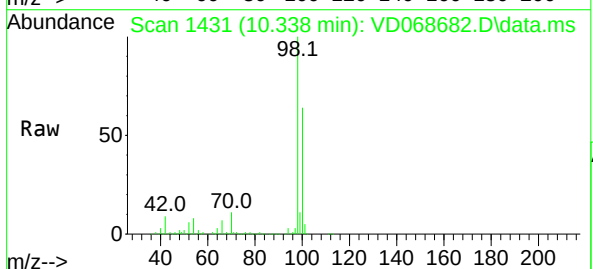
Instrument :
MSVOA_D
ClientSampleId :



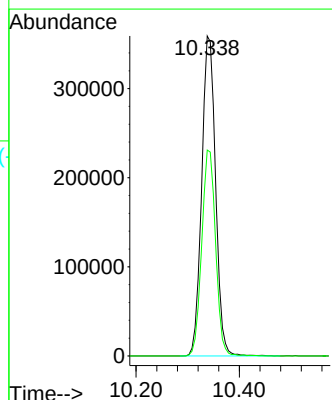
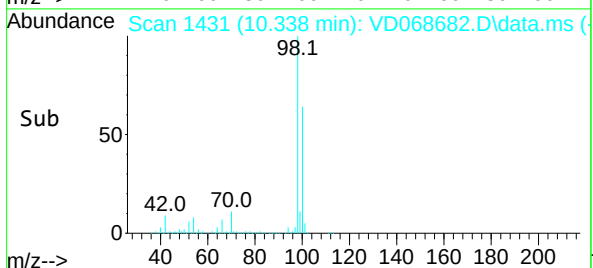
Tgt Ion:117 Resp: 28221
Ion Ratio Lower Upper
117 100
119 4.8 76.6 115.0#
121 0.0 26.1 39.1#

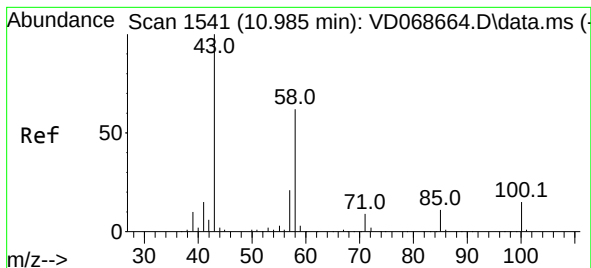


#50
Toluene-d8
Concen: 51.96 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD068682.D
Acq: 26 Mar 2021 14:12



Tgt Ion: 98 Resp: 668353
Ion Ratio Lower Upper
98 100
100 64.1 51.8 77.6

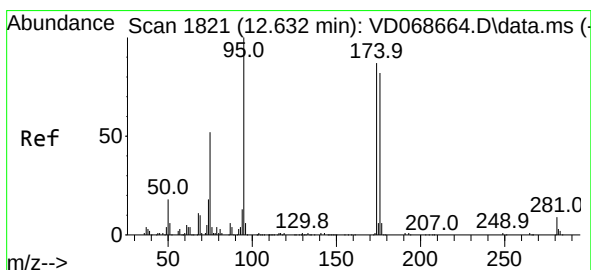
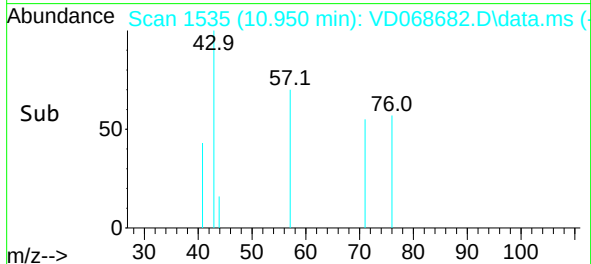
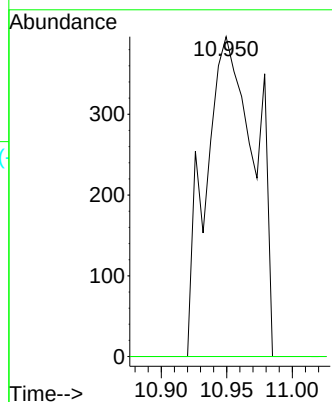
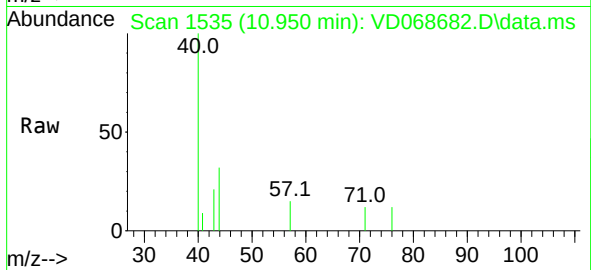




#59
2-Hexanone
Concen: 1.02 ug/l
RT: 10.950 min Scan# 1535
Delta R.T. -0.035 min
Lab File: VD068682.D
Acq: 26 Mar 2021 14:12

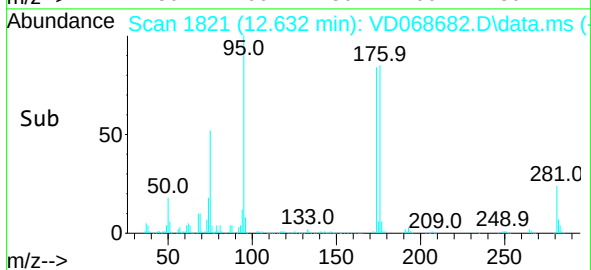
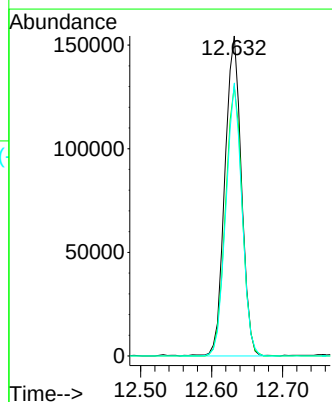
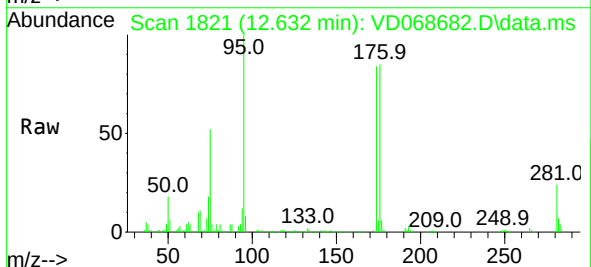
Instrument :
MSVOA_D
ClientSampled :

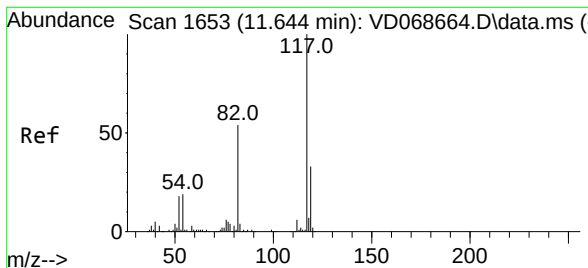
Tgt Ion: 43 Resp: 1038
Ion Ratio Lower Upper
43 100
58 0.0 31.3 93.8#



#62
4-Bromofluorobenzene
Concen: 59.81 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068682.D
Acq: 26 Mar 2021 14:12

Tgt Ion: 95 Resp: 249401
Ion Ratio Lower Upper
95 100
174 84.7 0.0 168.0
176 82.5 0.0 160.2

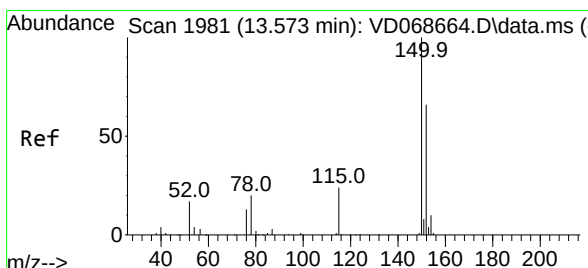
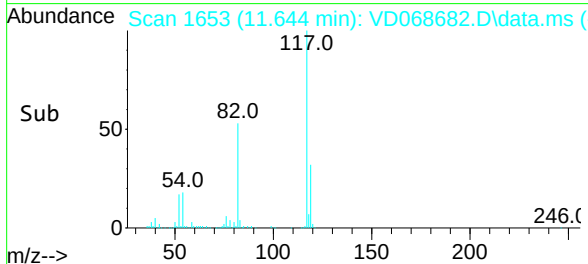
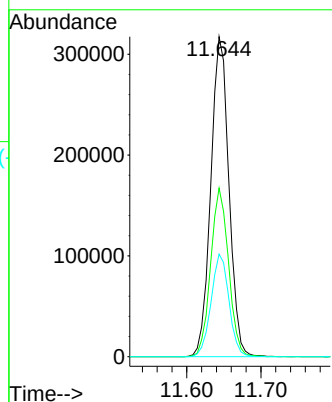
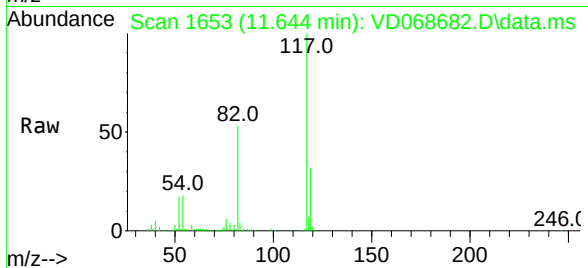




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068682.D
Acq: 26 Mar 2021 14:12

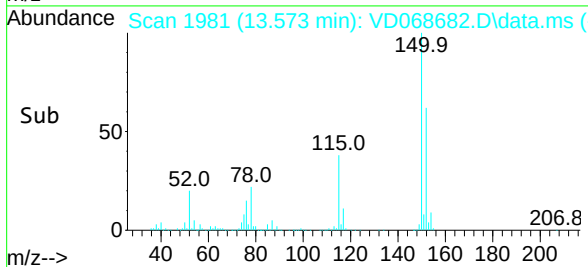
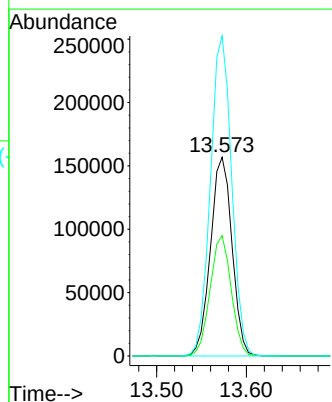
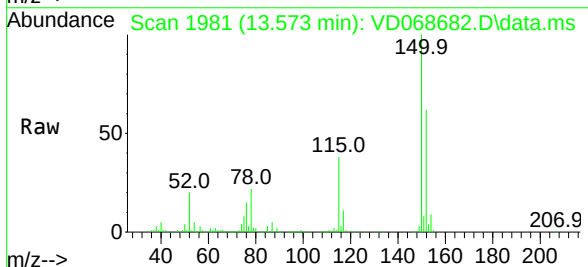
Instrument :
MSVOA_D
ClientSampleId :

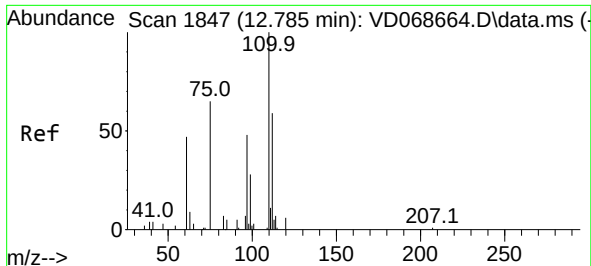
Tgt Ion:117 Resp: 537805
Ion Ratio Lower Upper
117 100
82 52.7 43.5 65.3
119 32.1 26.7 40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD068682.D
Acq: 26 Mar 2021 14:12

Tgt Ion:152 Resp: 261532
Ion Ratio Lower Upper
152 100
115 59.3 29.3 87.8
150 158.5 0.0 347.6

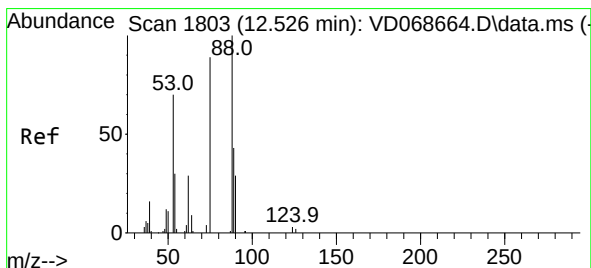
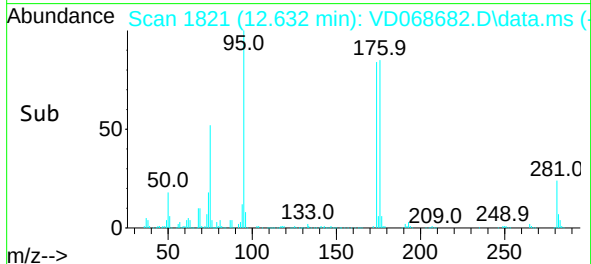
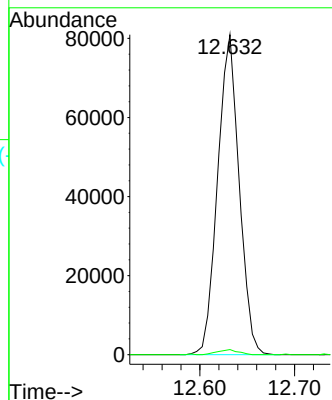
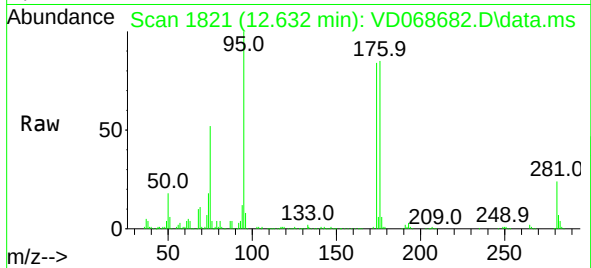




#76
1,2,3-Trichloropropane
Concen: 58.77 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068682.D
Acq: 26 Mar 2021 14:12

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 127929
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.71 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068682.D
Acq: 26 Mar 2021 14:12

Tgt Ion: 75 Resp: 127929
Ion Ratio Lower Upper
75 100
53 0.1 66.8 100.2#
89 0.4 36.6 54.8#

