

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042221\
 Data File : VD068956.D
 Acq On : 22 Apr 2021 16:47
 Operator : VA/SY
 Sample : M2107-13
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 23 08:46:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

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

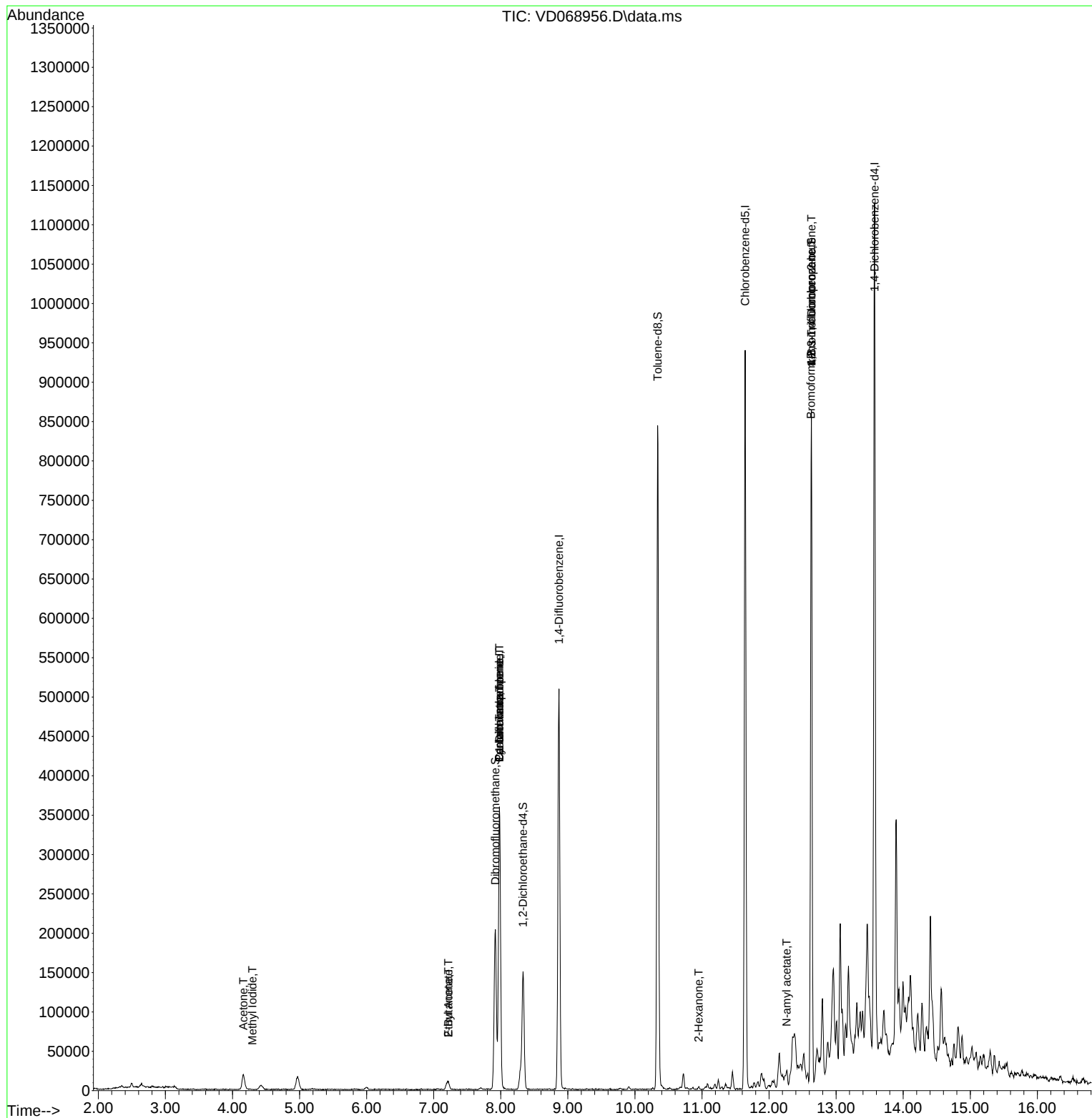
Internal Standards						
1) Pentafluorobenzene	7.979	168	272770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	466119	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	555298	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	301454	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	115860	40.19	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	80.38%
35) Dibromofluoromethane	7.920	113	145048	47.84	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.68%
50) Toluene-d8	10.337	98	594678	52.00	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.00%
62) 4-Bromofluorobenzene	12.631	95	260012	68.45	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	136.90%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	73	2.27	ug/l #	41
11) Tert butyl alcohol	5.220	59	179	Below	Cal #	73
16) Acetone	4.161	43	33145	83.03	ug/l	100
20) Methylene Chloride	4.967	84	15505	Below	Cal #	84
25) 2-Butanone	7.220	43	9882	17.49	ug/l #	83
31) Cyclohexane	7.979	56	5673	1.18	ug/l #	29
36) 1,1-Dichloropropene	7.979	75	19178	4.06	ug/l #	49
37) Ethyl Acetate	7.220	43	9882	7.13	ug/l #	65
38) Carbon Tetrachloride	7.979	117	26031	5.57	ug/l #	18
59) 2-Hexanone	10.949	43	1242	1.30	ug/l #	19
71) Bromoform	12.626	173	2417	1.04	ug/l #	29
74) N-amyl acetate	12.261	43	3819	1.02	ug/l #	57
76) 1,2,3-Trichloropropane	12.631	75	128019	46.49	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.631	75	128019	107.88	ug/l #	16

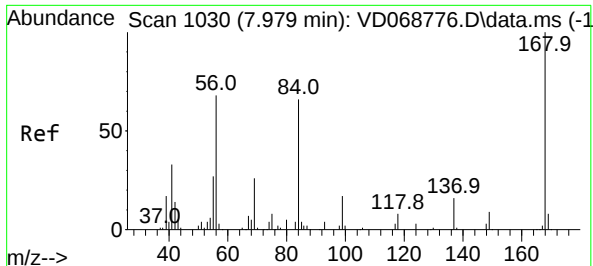
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 23 08:46:52 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 08 03:50:31 2021
Response via : Initial Calibration

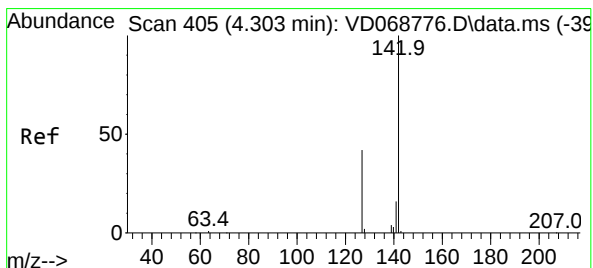
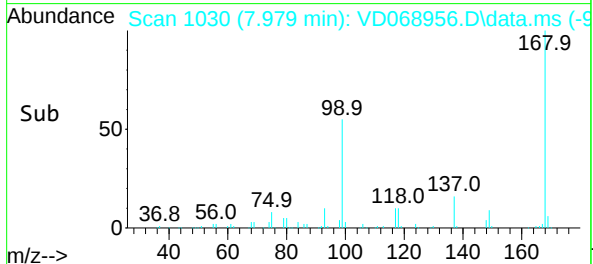
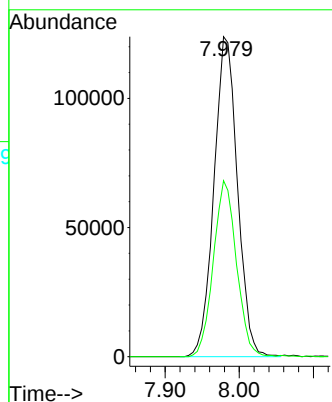
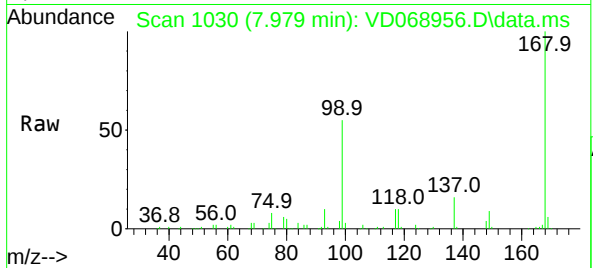




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD068956.D
Acq: 22 Apr 2021 16:47

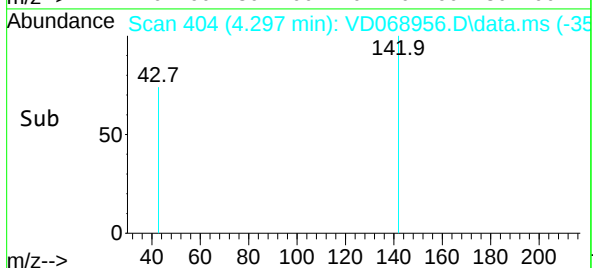
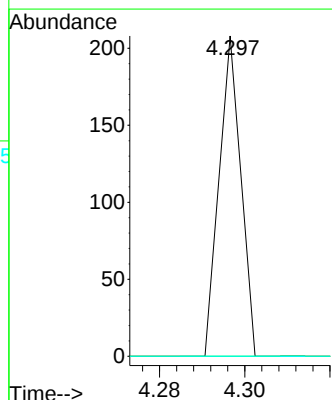
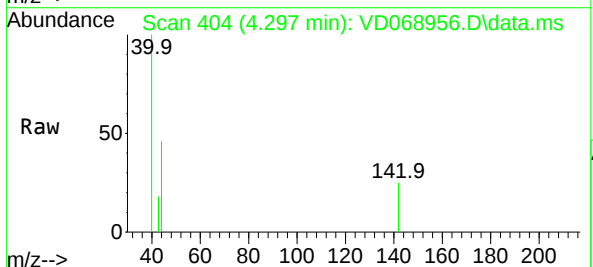
Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:168 Resp: 272770
Ion Ratio Lower Upper
168 100
99 55.0 46.2 69.2



#10
Methyl Iodide
Concen: 2.27 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD068956.D
Acq: 22 Apr 2021 16:47

Tgt Ion:142 Resp: 73
Ion Ratio Lower Upper
142 100
127 0.0 34.7 52.1#
141 0.0 11.0 16.4#

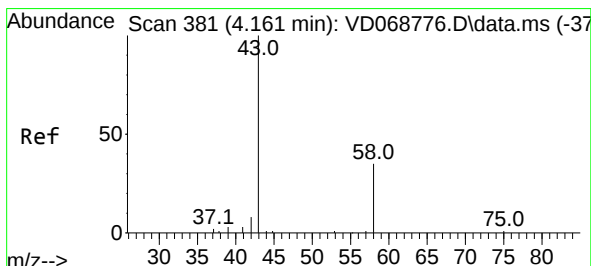
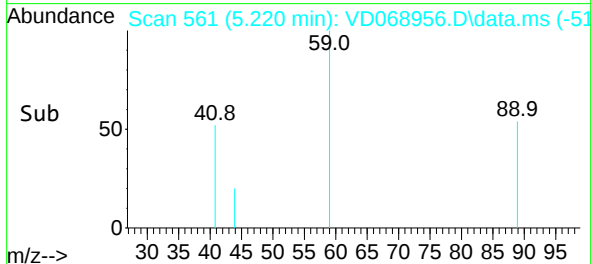
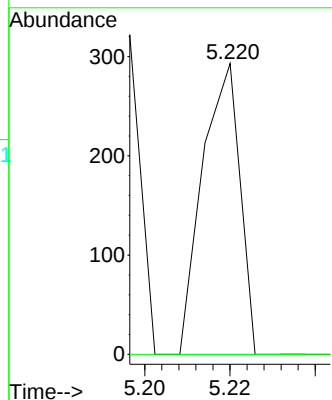
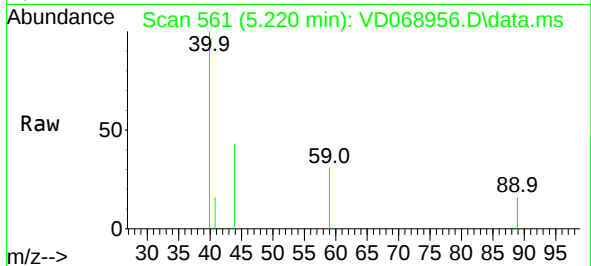




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. 0.000 min
Lab File: VD068956.D
Acq: 22 Apr 2021 16:47

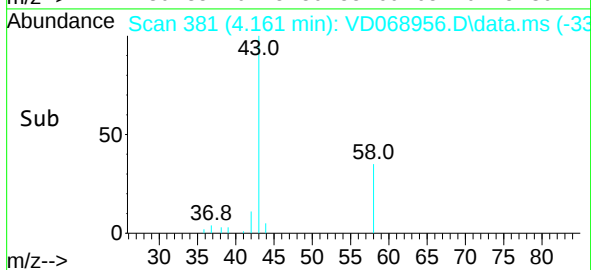
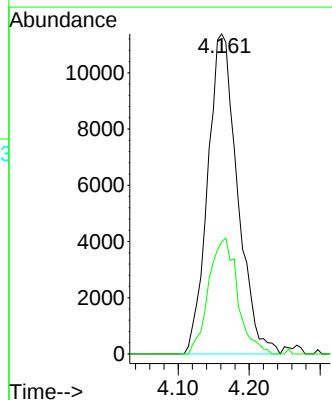
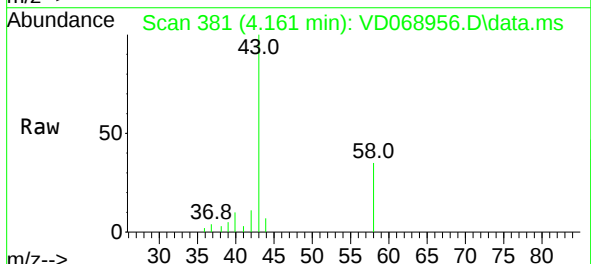
Instrument :
MSVOA_D
ClientSampled :

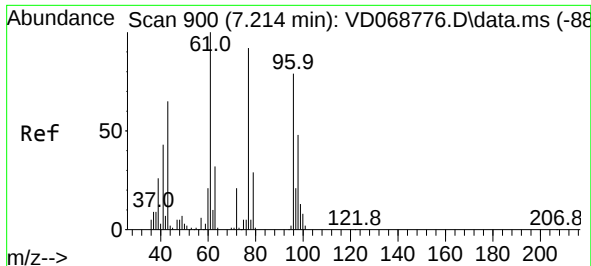
Tgt Ion: 59 Resp: 179
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 83.03 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD068956.D
Acq: 22 Apr 2021 16:47

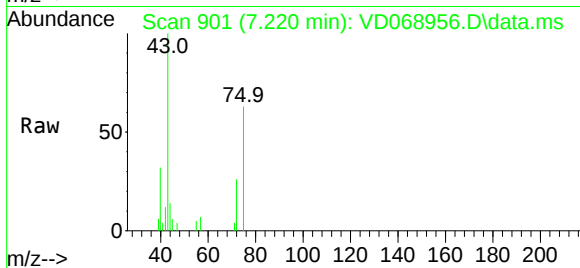
Tgt Ion: 43 Resp: 33145
Ion Ratio Lower Upper
43 100
58 35.1 28.0 42.0



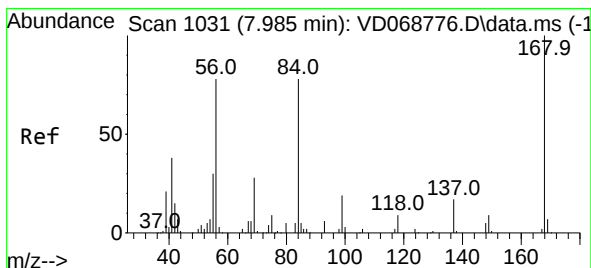
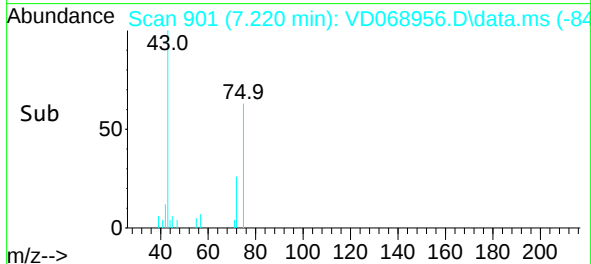
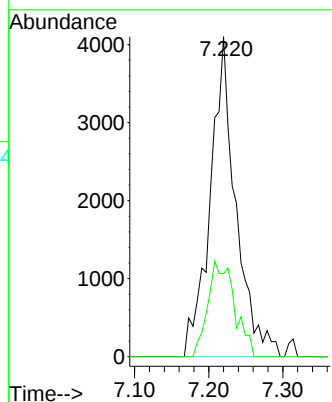


#25
2-Butanone
Concen: 17.49 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD068956.D
Acq: 22 Apr 2021 16:47

Instrument :
MSVOA_D
ClientSampled :

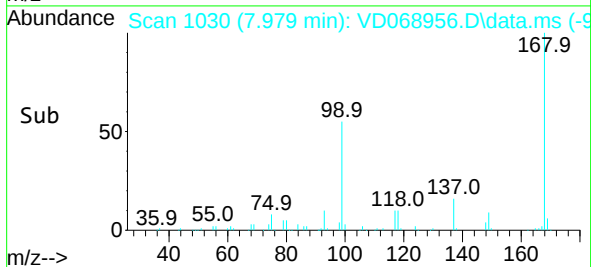
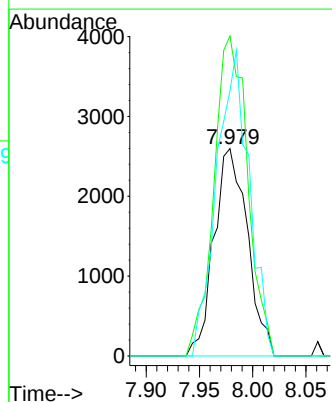
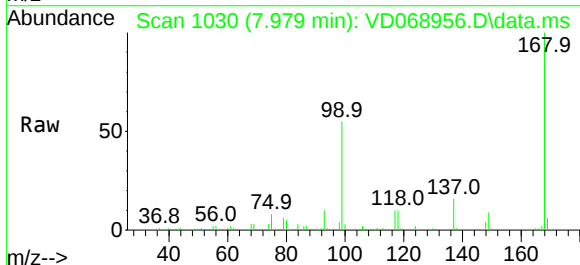


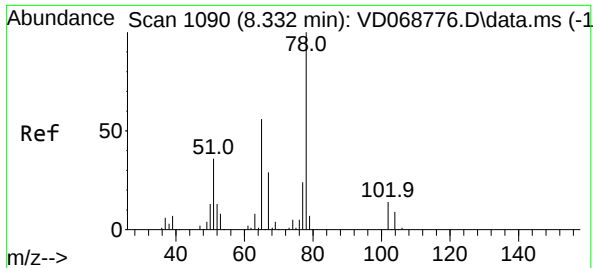
Tgt Ion: 43 Resp: 9882
Ion Ratio Lower Upper
43 100
72 26.0 28.6 43.0#



#31
Cyclohexane
Concen: 1.18 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068956.D
Acq: 22 Apr 2021 16:47

Tgt Ion: 56 Resp: 5673
Ion Ratio Lower Upper
56 100
69 154.3 30.0 45.0#
84 127.8 82.0 123.0#

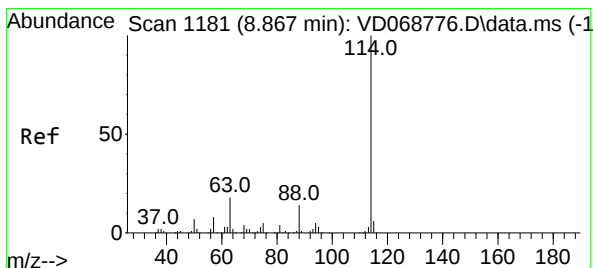
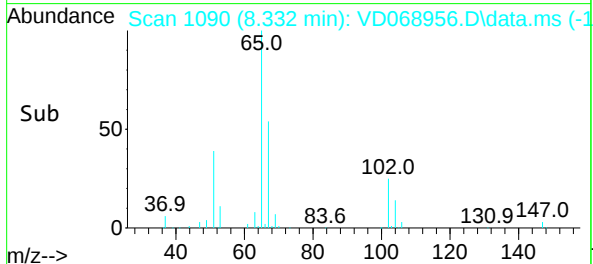
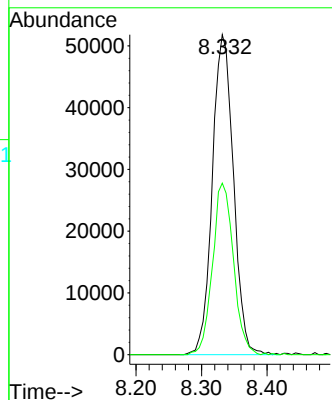
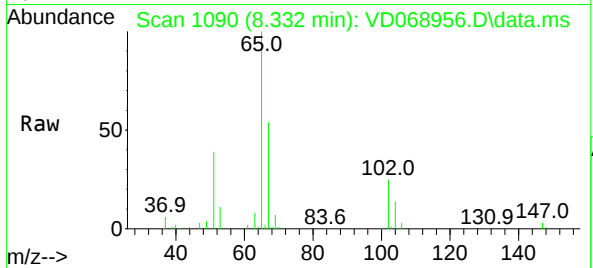




#33
1,2-Dichloroethane-d4
Concen: 40.19 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD068956.D
Acq: 22 Apr 2021 16:47

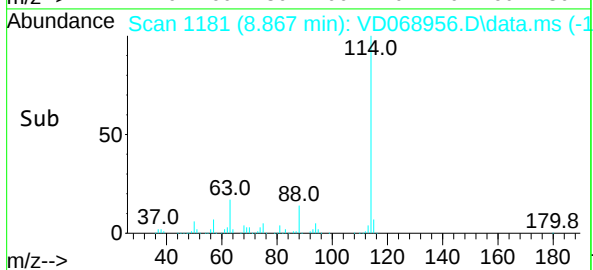
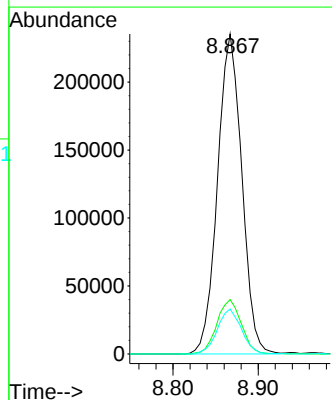
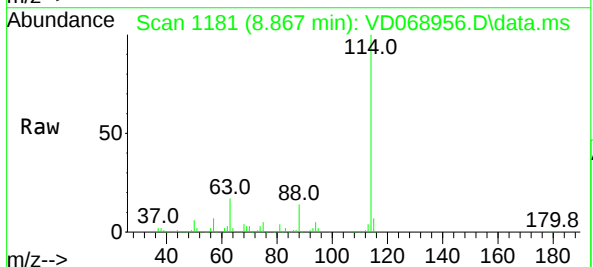
Instrument :
MSVOA_D
ClientSampled :

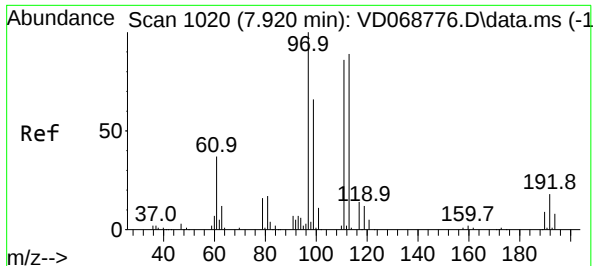
Tgt Ion: 65 Resp: 115860
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. -0.000 min
Lab File: VD068956.D
Acq: 22 Apr 2021 16:47

Tgt Ion: 114 Resp: 466119
Ion Ratio Lower Upper
114 100
63 17.0 0.0 38.2
88 14.0 0.0 29.4





#35

Dibromofluoromethane

Concen: 47.84 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. -0.000 min

Lab File: VD068956.D

Acq: 22 Apr 2021 16:47

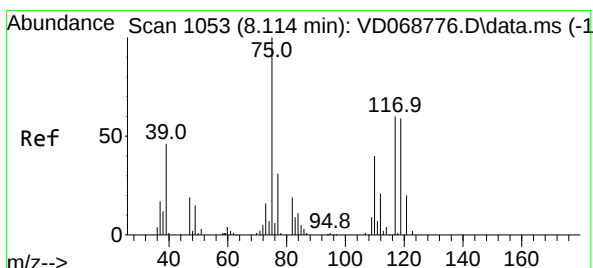
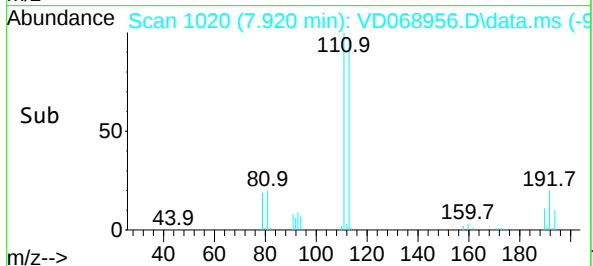
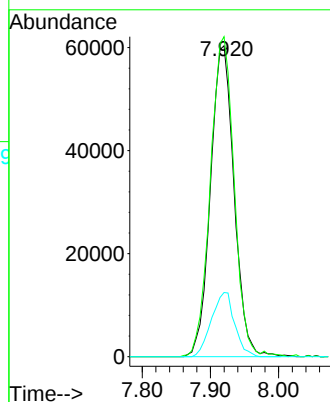
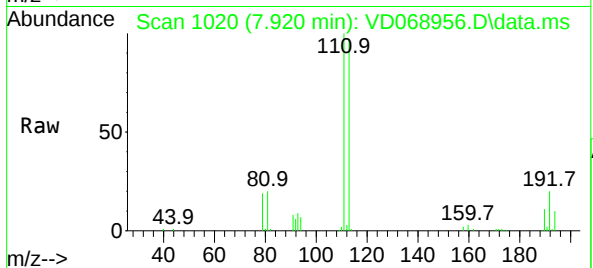
Tgt Ion:113 Resp: 145048

Ion Ratio Lower Upper

113 100

111 104.1 82.5 123.7

192 20.3 15.1 22.7



#36

1,1-Dichloropropene

Concen: 4.06 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD068956.D

Acq: 22 Apr 2021 16:47

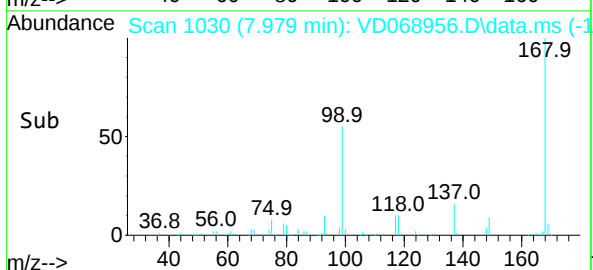
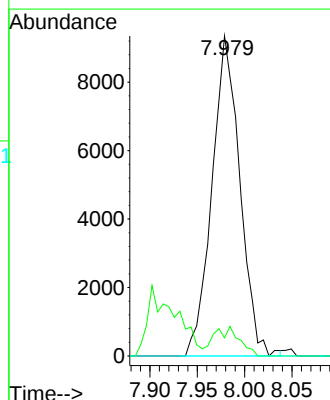
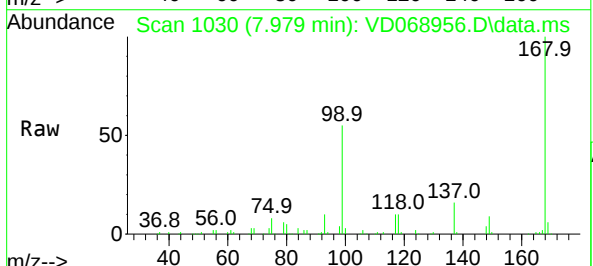
Tgt Ion: 75 Resp: 19178

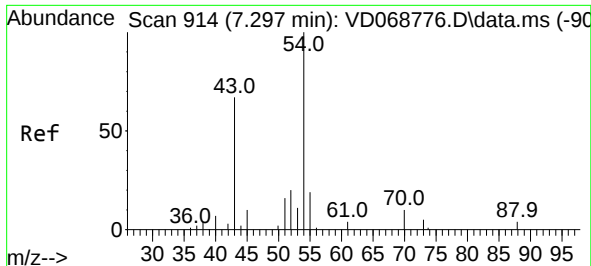
Ion Ratio Lower Upper

75 100

110 8.4 18.1 54.4#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 7.13 ug/l

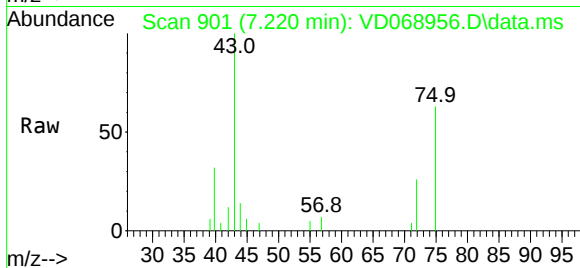
RT: 7.220 min Scan# 901

Delta R.T. -0.077 min

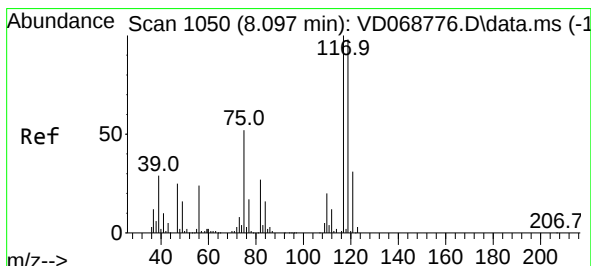
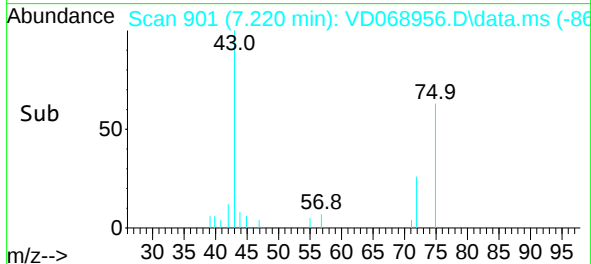
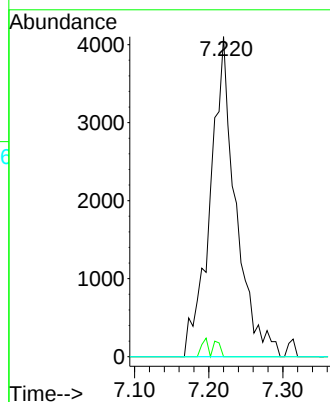
Lab File: VD068956.D

Acq: 22 Apr 2021 16:47

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	43	Resp:	9882
Ion	Ratio	Lower	Upper
43	100		
61	1.3	14.2	21.4#
70	0.0	9.4	14.0#



#38

Carbon Tetrachloride

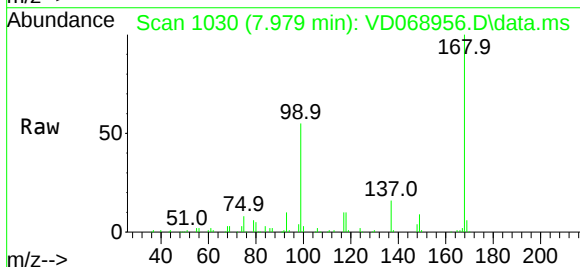
Concen: 5.57 ug/l

RT: 7.979 min Scan# 1030

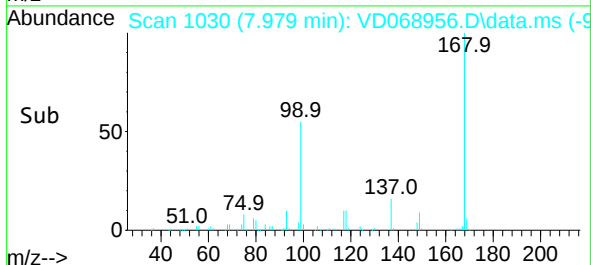
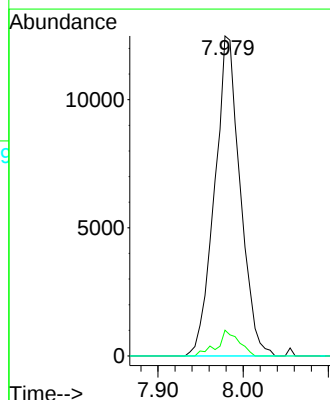
Delta R.T. -0.118 min

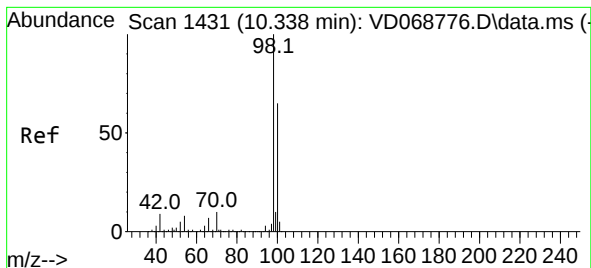
Lab File: VD068956.D

Acq: 22 Apr 2021 16:47



Tgt Ion:	117	Resp:	26031
Ion	Ratio	Lower	Upper
117	100		
119	8.0	76.6	115.0#
121	0.0	26.1	39.1#

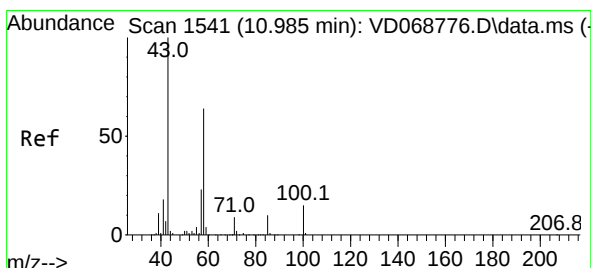
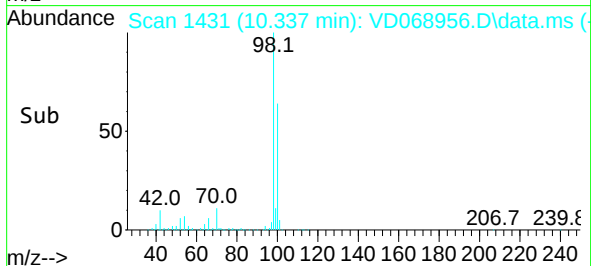
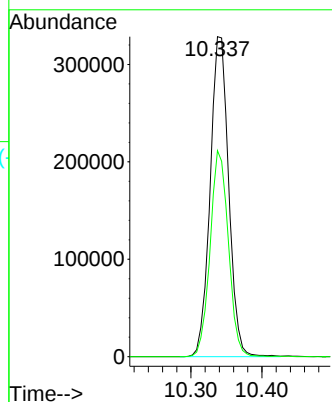
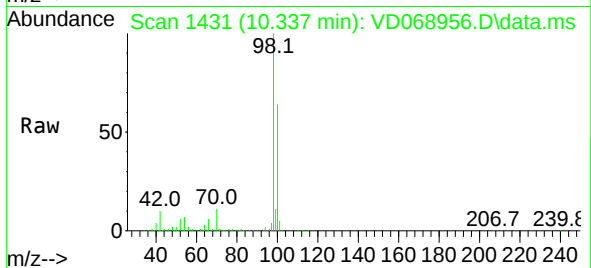




#50
Toluene-d8
Concen: 52.00 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.001 min
Lab File: VD068956.D
Acq: 22 Apr 2021 16:47

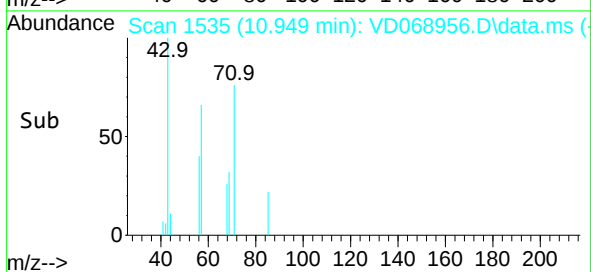
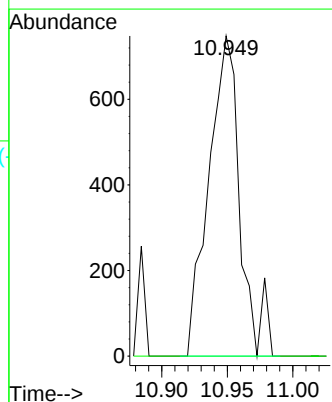
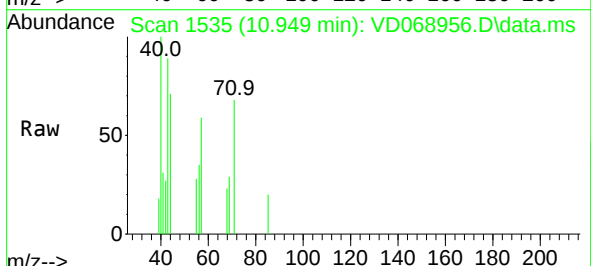
Instrument :
MSVOA_D
ClientSampled :

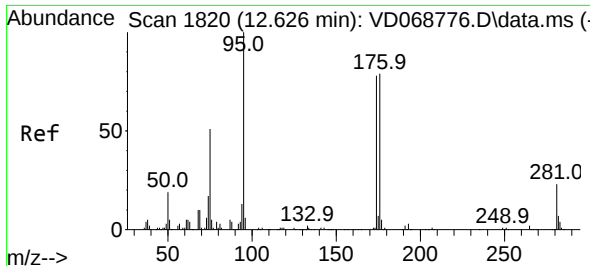
Tgt Ion: 98 Resp: 594678
Ion Ratio Lower Upper
98 100
100 63.5 51.8 77.6



#59
2-Hexanone
Concen: 1.30 ug/l
RT: 10.949 min Scan# 1535
Delta R.T. -0.036 min
Lab File: VD068956.D
Acq: 22 Apr 2021 16:47

Tgt Ion: 43 Resp: 1242
Ion Ratio Lower Upper
43 100
58 0.0 31.3 93.8#

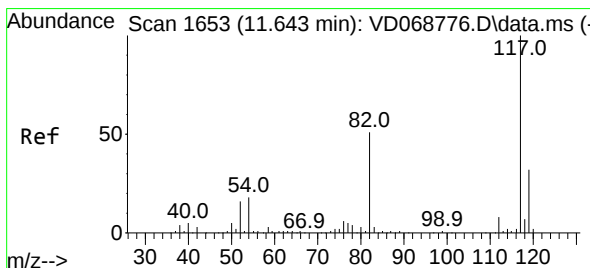
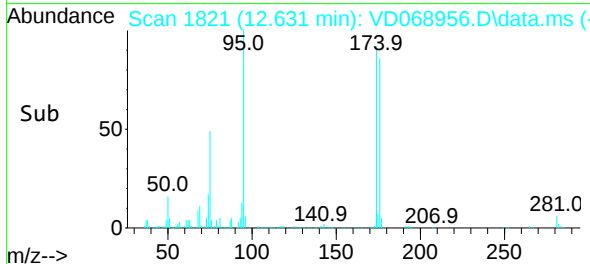
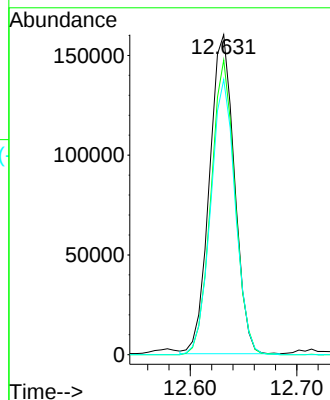
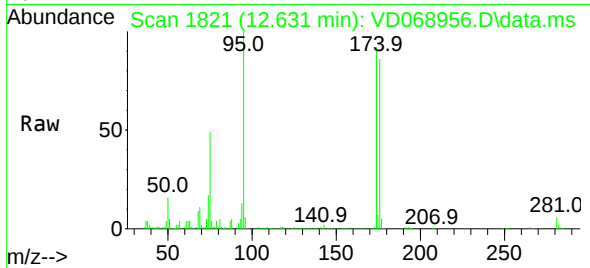




#62
4-Bromofluorobenzene
Concen: 68.45 ug/l
RT: 12.631 min Scan# 1821
Delta R.T. 0.005 min
Lab File: VD068956.D
Acq: 22 Apr 2021 16:47

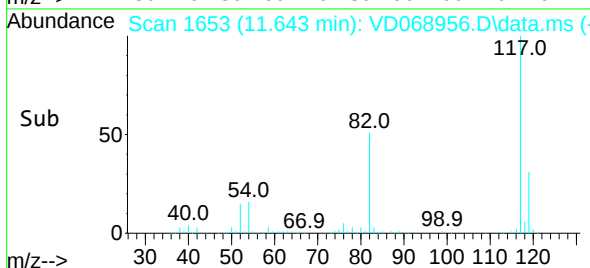
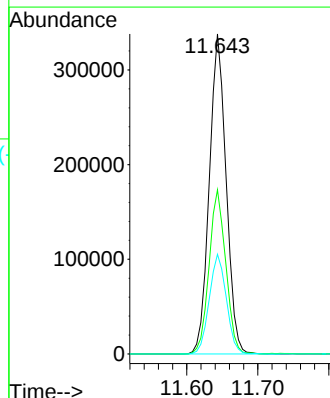
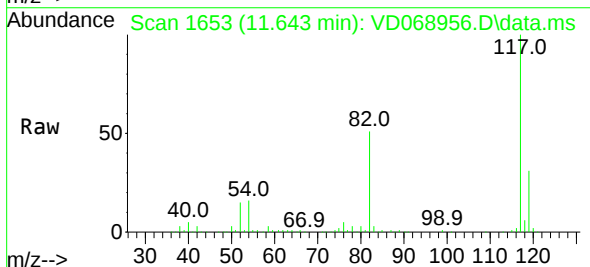
Instrument :
MSVOA_D
ClientSampleId :

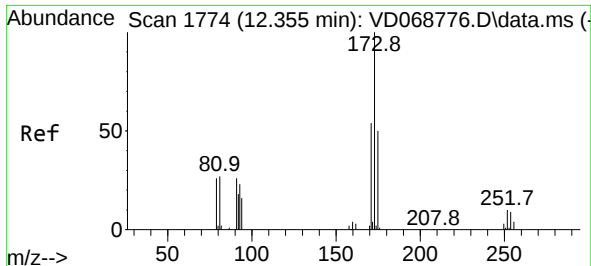
Tgt Ion: 95 Resp: 260012
Ion Ratio Lower Upper
95 100
174 88.6 0.0 168.0
176 84.9 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068956.D
Acq: 22 Apr 2021 16:47

Tgt Ion: 117 Resp: 555298
Ion Ratio Lower Upper
117 100
82 51.3 43.5 65.3
119 31.1 26.7 40.1

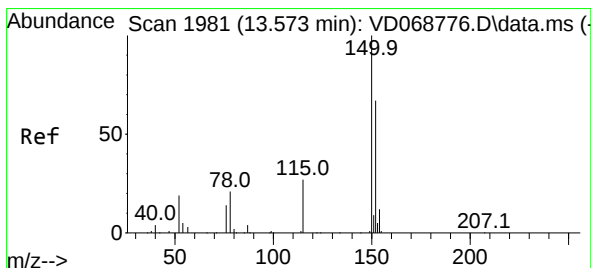
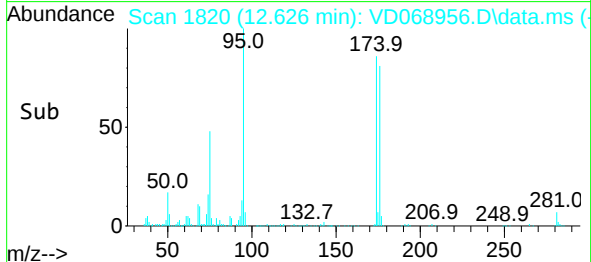
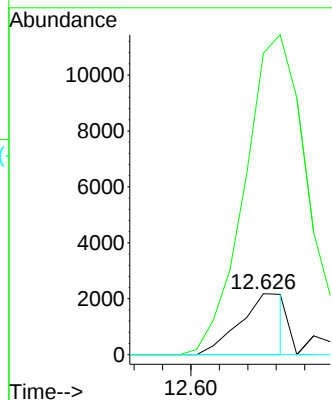
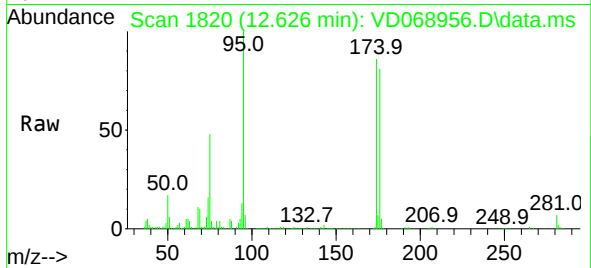




#71
Bromoform
Concen: 1.04 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD068956.D
Acq: 22 Apr 2021 16:47

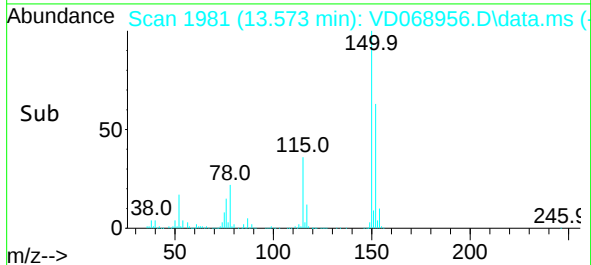
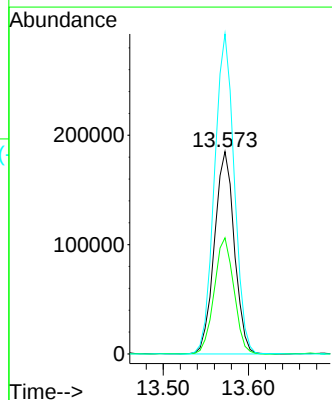
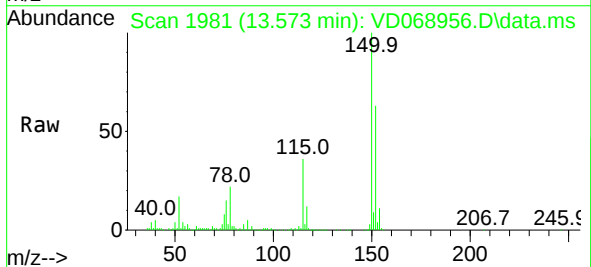
Instrument :
MSVOA_D
ClientSampleId :

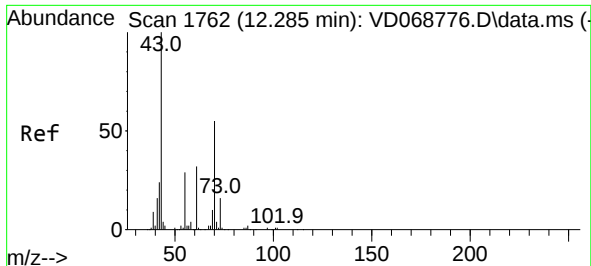
Tgt Ion:173 Resp: 2417
Ion Ratio Lower Upper
173 100
175 0.0 23.6 71.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068956.D
Acq: 22 Apr 2021 16:47

Tgt Ion:152 Resp: 301454
Ion Ratio Lower Upper
152 100
115 56.7 29.3 87.8
150 156.8 0.0 347.6

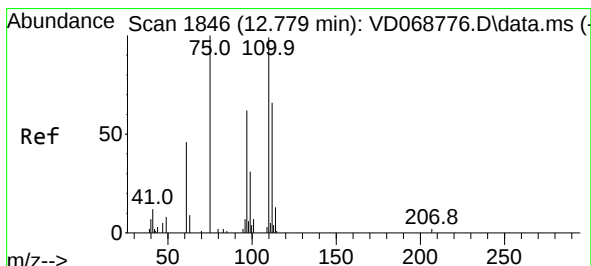
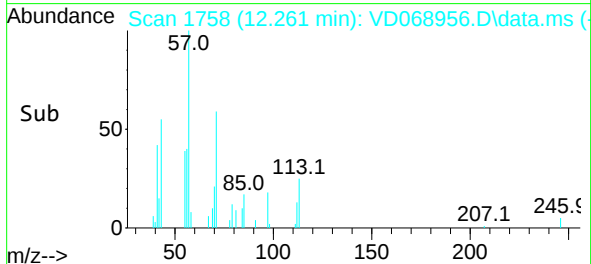
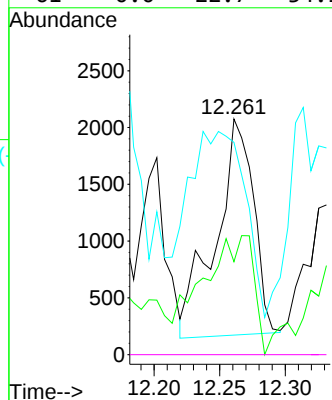
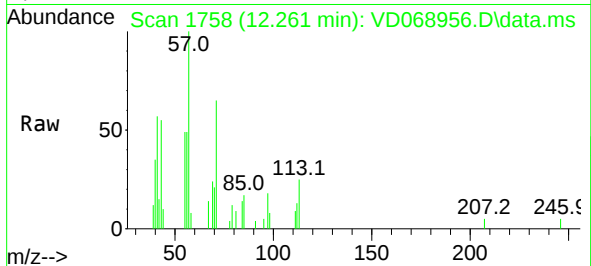




#74
N-amy1 acetate
Concen: 1.02 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.024 min
Lab File: VD068956.D
Acq: 22 Apr 2021 16:47

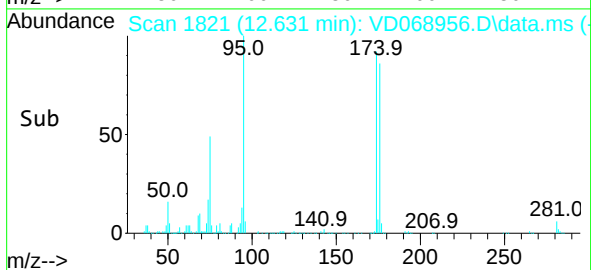
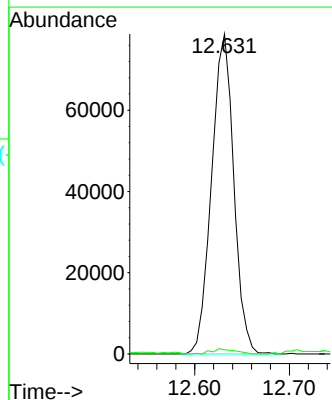
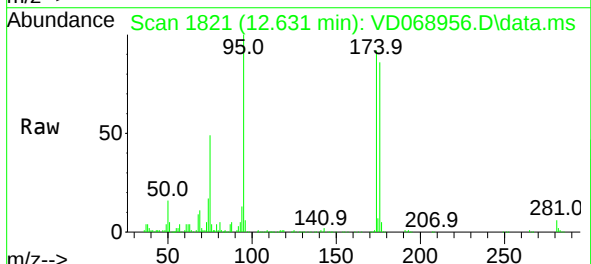
Instrument :
MSVOA_D
ClientSampleId :

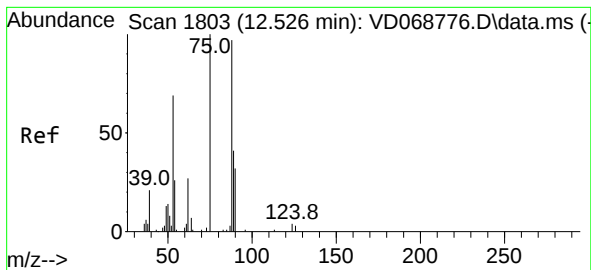
Tgt Ion: 43	Resp: 3819
Ion Ratio	Lower Upper
43 100	
70 75.2	41.9 62.9#
55 0.0	22.8 34.2#
61 0.0	22.7 34.1#



#76
1,2,3-Trichloropropane
Concen: 46.49 ug/l
RT: 12.631 min Scan# 1821
Delta R.T. -0.148 min
Lab File: VD068956.D
Acq: 22 Apr 2021 16:47

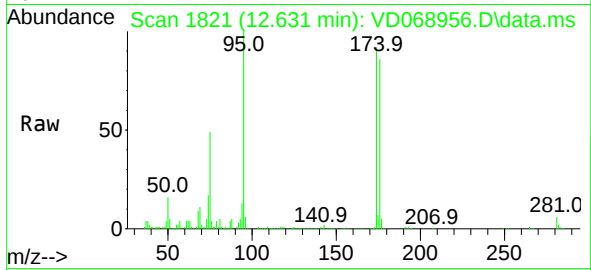
Tgt Ion: 75	Resp: 128019
Ion Ratio	Lower Upper
75 100	
77 1.7	0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 107.88 ug/l
RT: 12.631 min Scan# 1821
Delta R.T. 0.105 min
Lab File: VD068956.D
Acq: 22 Apr 2021 16:47

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 128019
Ion Ratio Lower Upper
75 100
53 1.0 66.8 100.2#
89 0.0 36.6 54.8#

