

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110321\
 Data File : VD070910.D
 Acq On : 03 Nov 2021 15:05
 Operator : VA/SY
 Sample : M4454-05
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 11221-A

Quant Time: Nov 03 22:10:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 27 05:34:47 2021
 Response via : Initial Calibration

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

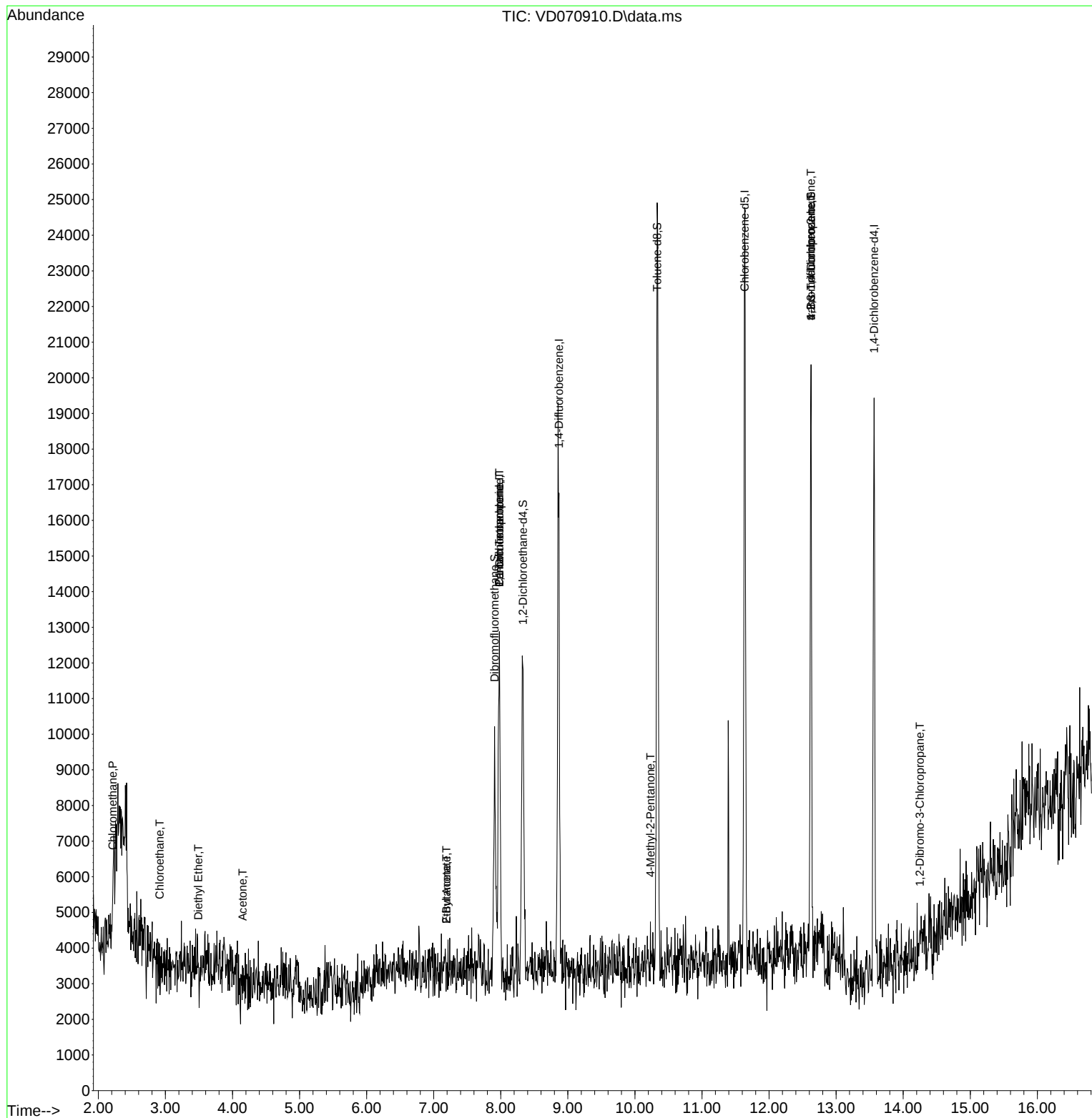
Internal Standards						
1) Pentafluorobenzene	7.979	168	7838	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	14014	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	13166	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	5270	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	7421	94.138	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 188.280%#	
35) Dibromofluoromethane	7.908	113	4213	45.595	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 91.180%	
50) Toluene-d8	10.332	98	15112	43.472	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 86.940%	
62) 4-Bromofluorobenzene	12.626	95	4811	41.945	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 83.880%	
Target Compounds						
						Qvalue
3) Chloromethane	2.215	50	366	3.557	ug/l	# 42
5) Bromomethane	2.779	94	60	Below Cal		95
6) Chloroethane	2.914	64	136	1.934	ug/l	# 39
8) Diethyl Ether	3.491	74	64	1.648	ug/l	# 1
16) Acetone	4.150	43	69	3.762	ug/l	# 40
25) 2-Butanone	7.191	43	68	3.012	ug/l	# 45
36) 1,1-Dichloropropene	7.979	75	397	2.708	ug/l	# 41
37) Ethyl Acetate	7.191	43	68	1.247	ug/l	# 66
38) Carbon Tetrachloride	7.979	117	887	6.016	ug/l	# 12
51) 4-Methyl-2-Pentanone	10.232	43	56	1.054	ug/l	# 34
76) 1,2,3-Trichloropropane	12.626	75	2172	41.867	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.626	75	2172	109.886	ug/l	# 18
92) 1,2-Dibromo-3-Chloropr...	14.249	75	128	12.248	ug/l	# 4

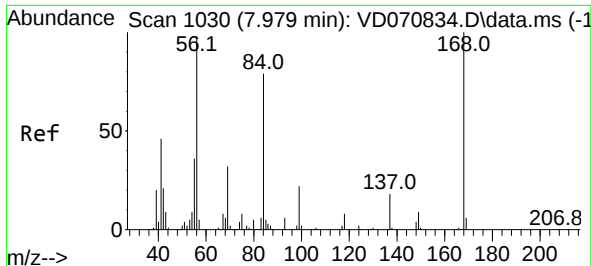
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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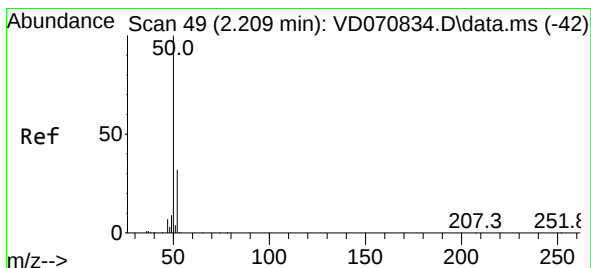
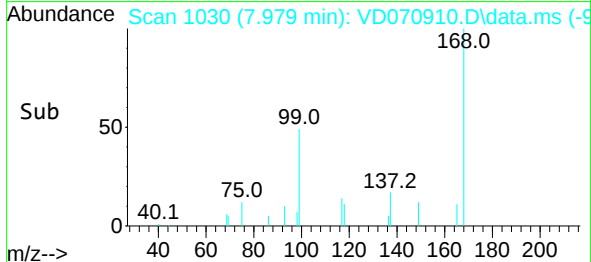
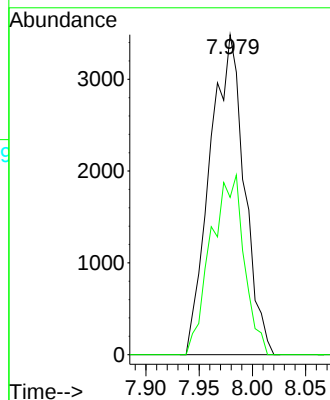
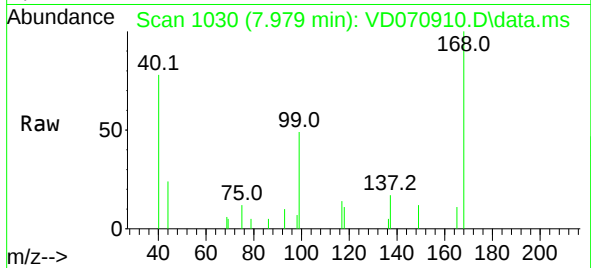




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD070910.D
Acq: 03 Nov 2021 15:05

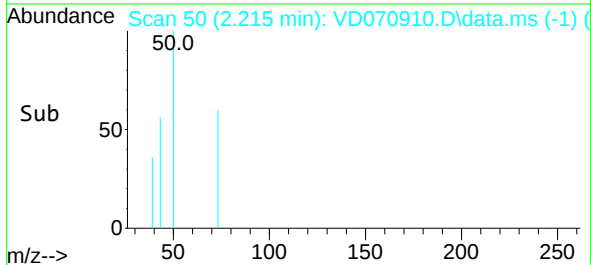
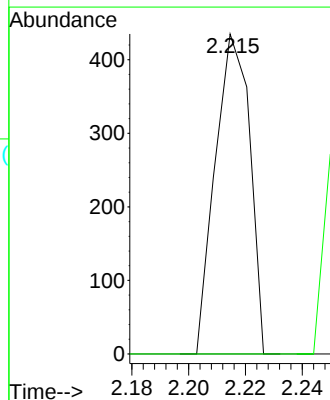
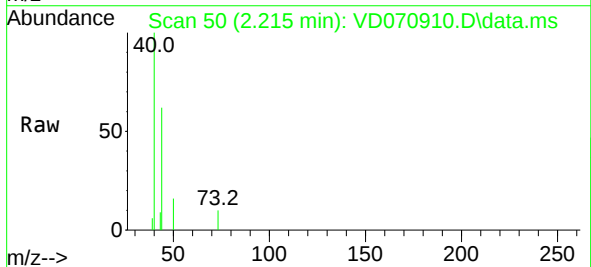
Instrument :
MSVOA_D
ClientSampleId :
11221-A

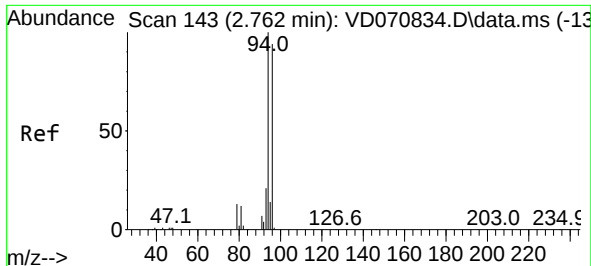
Tgt Ion:168 Resp: 7838
Ion Ratio Lower Upper
168 100
99 49.1 46.6 69.8



#3
Chloromethane
Concen: 3.557 ug/l
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070910.D
Acq: 03 Nov 2021 15:05

Tgt Ion: 50 Resp: 366
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#

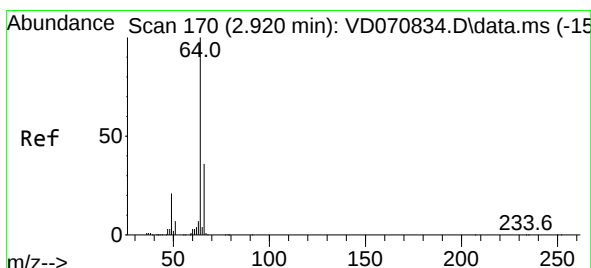
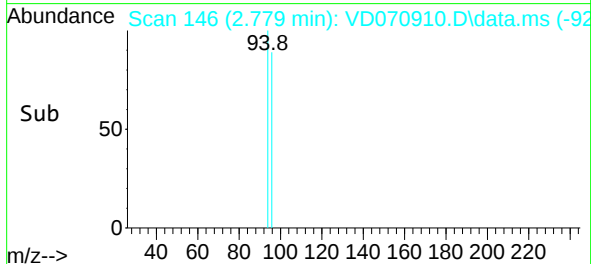
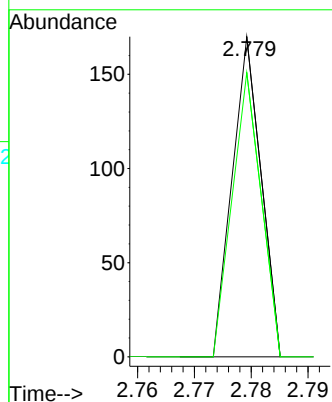
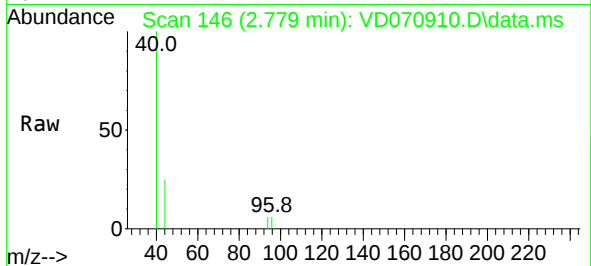




#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 143
Delta R.T. 0.017 min
Lab File: VD070910.D
Acq: 03 Nov 2021 15:05

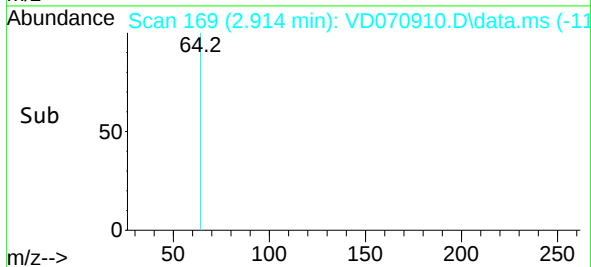
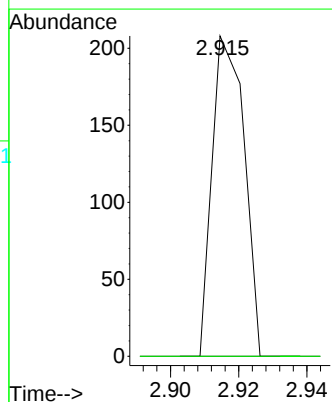
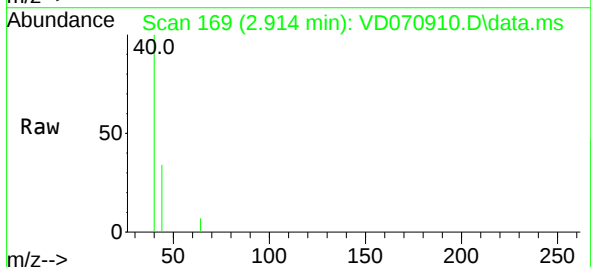
Instrument :
MSVOA_D
ClientSampleId :
11221-A

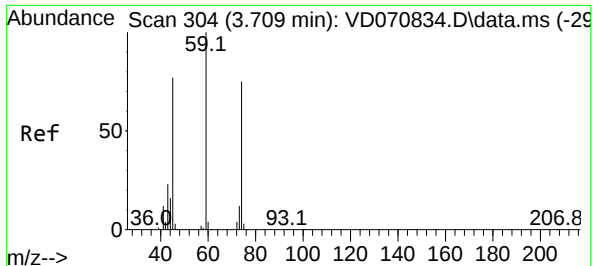
Tgt Ion: 94 Resp: 60
Ion Ratio Lower Upper
94 100
96 88.8 74.8 112.2



#6
Chloroethane
Concen: 1.934 ug/l
RT: 2.914 min Scan# 169
Delta R.T. -0.006 min
Lab File: VD070910.D
Acq: 03 Nov 2021 15:05

Tgt Ion: 64 Resp: 136
Ion Ratio Lower Upper
64 100
66 0.0 29.0 43.4#

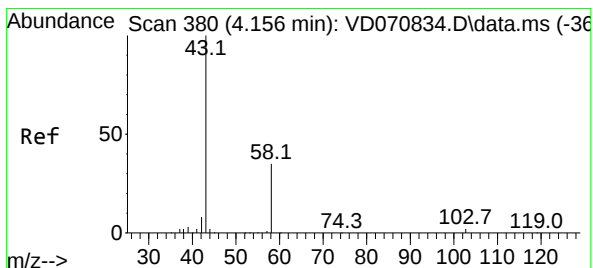
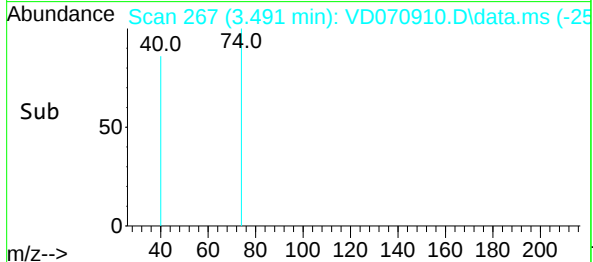
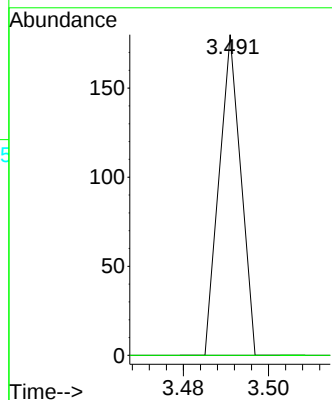
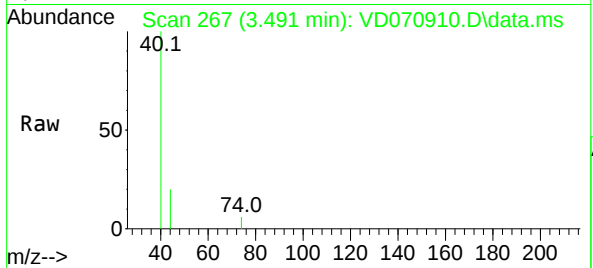




#8
Diethyl Ether
Concen: 1.648 ug/l
RT: 3.491 min Scan# 20
Delta R.T. -0.218 min
Lab File: VD070910.D
Acq: 03 Nov 2021 15:05

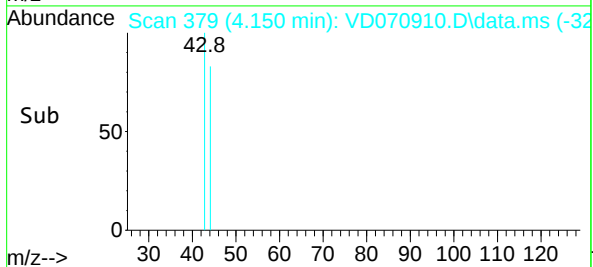
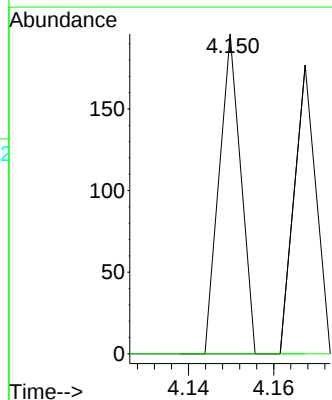
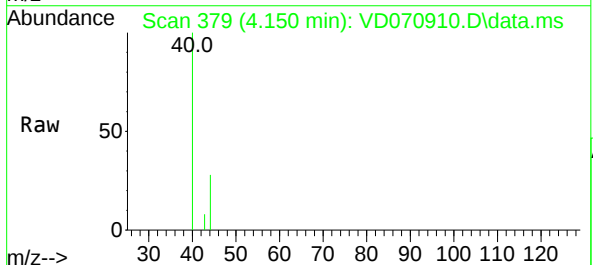
Instrument :
MSVOA_D
ClientSampleId :
11221-A

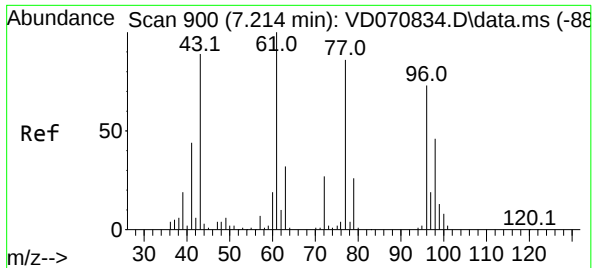
Tgt Ion: 74 Resp: 64
Ion Ratio Lower Upper
74 100
45 0.0 49.6 149.0#



#16
Acetone
Concen: 3.762 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070910.D
Acq: 03 Nov 2021 15:05

Tgt Ion: 43 Resp: 69
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#

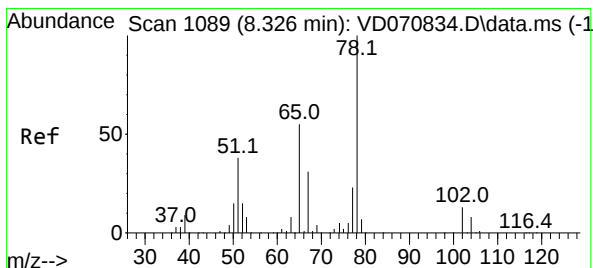
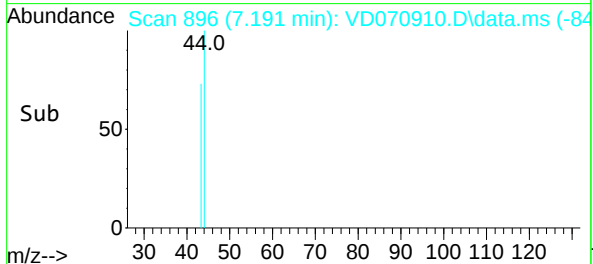
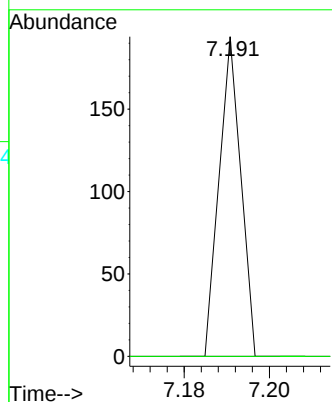
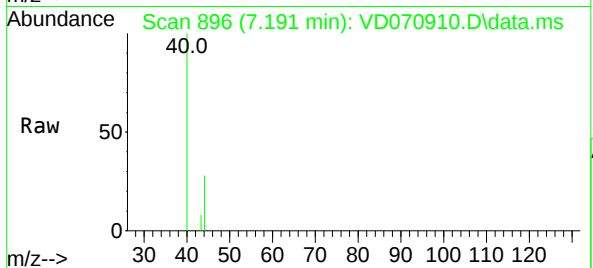




#25
2-Butanone
Concen: 3.012 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.023 min
Lab File: VD070910.D
Acq: 03 Nov 2021 15:05

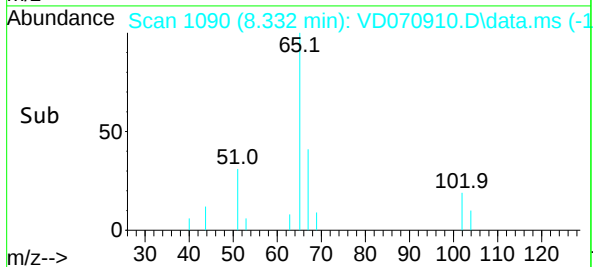
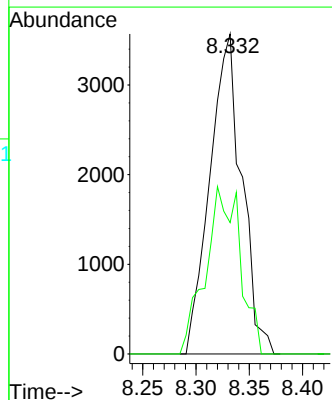
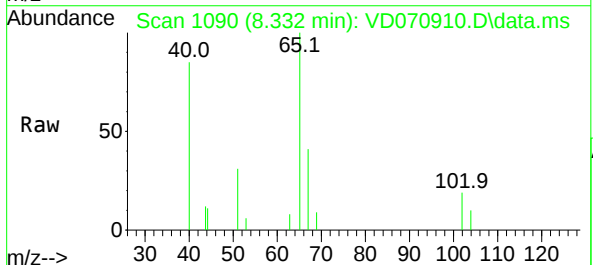
Instrument :
MSVOA_D
ClientSampleId :
11221-A

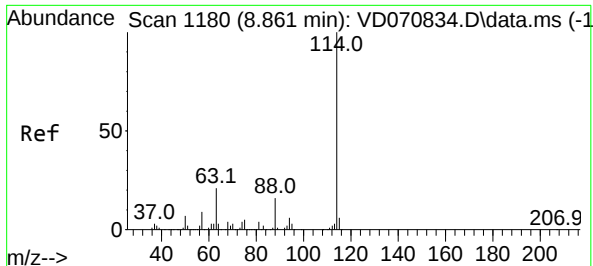
Tgt Ion: 43 Resp: 68
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#33
1,2-Dichloroethane-d4
Concen: 94.138 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070910.D
Acq: 03 Nov 2021 15:05

Tgt Ion: 65 Resp: 7421
Ion Ratio Lower Upper
65 100
67 56.8 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.867 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD070910.D

Acq: 03 Nov 2021 15:05

Instrument :

MSVOA_D

ClientSampleId :

11221-A

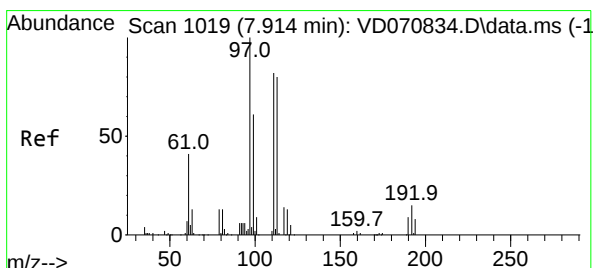
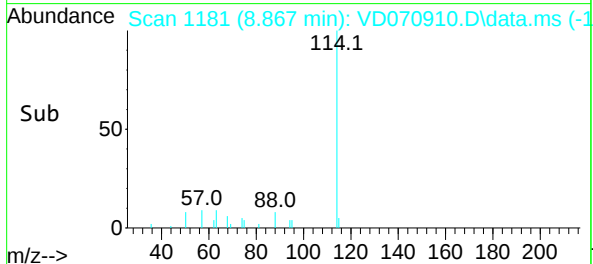
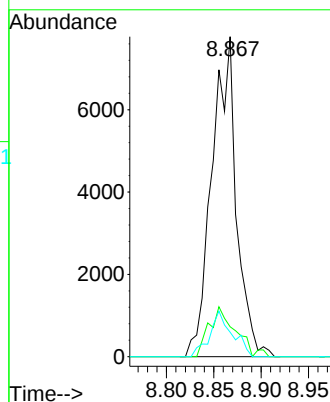
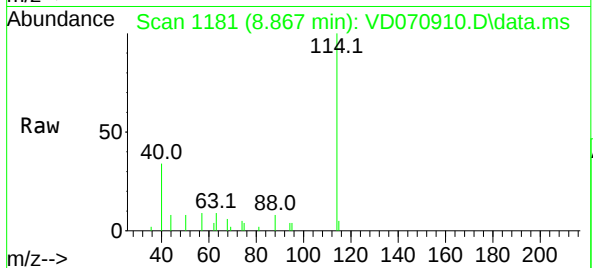
Tgt Ion:114 Resp: 14014

Ion Ratio Lower Upper

114 100

63 9.4 0.0 41.8

88 7.7 0.0 32.8



#35

Dibromofluoromethane

Concen: 45.595 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070910.D

Acq: 03 Nov 2021 15:05

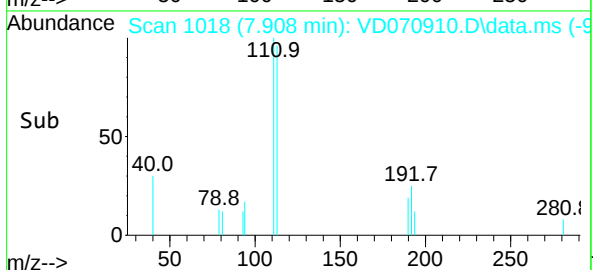
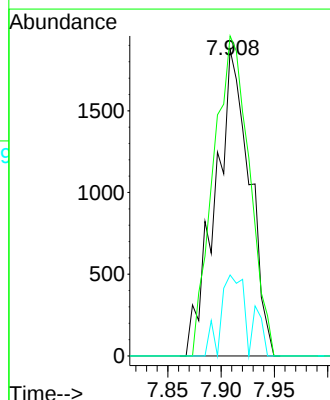
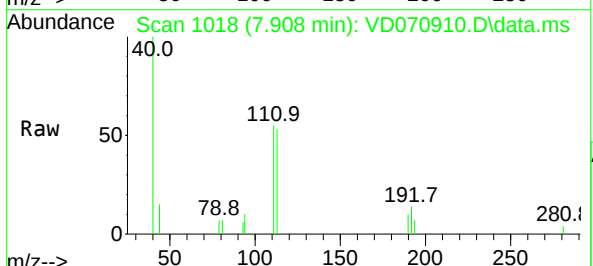
Tgt Ion:113 Resp: 4213

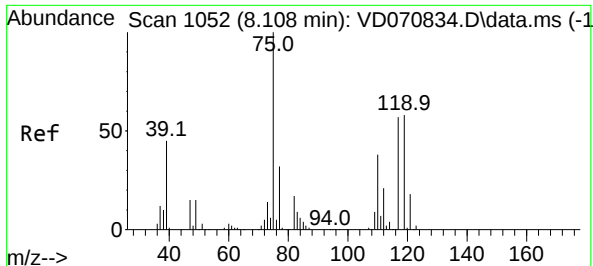
Ion Ratio Lower Upper

113 100

111 109.0 82.0 123.0

192 17.1 15.2 22.8





#36

1,1-Dichloropropene

Concen: 2.708 ug/l

RT: 7.979 min Scan# 1

Delta R.T. -0.129 min

Lab File: VD070910.D

Acq: 03 Nov 2021 15:05

Instrument :

MSVOA_D

ClientSampleId :

11221-A

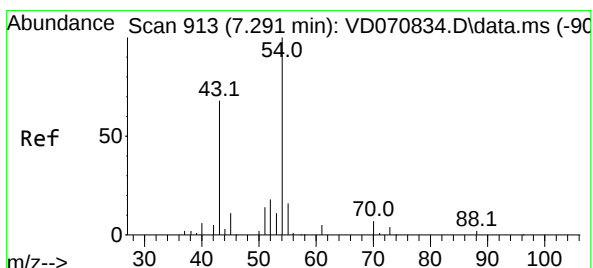
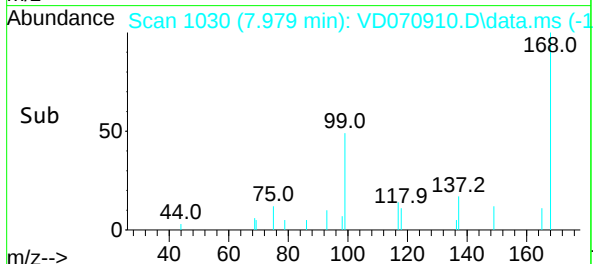
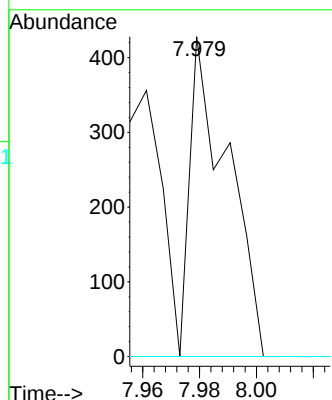
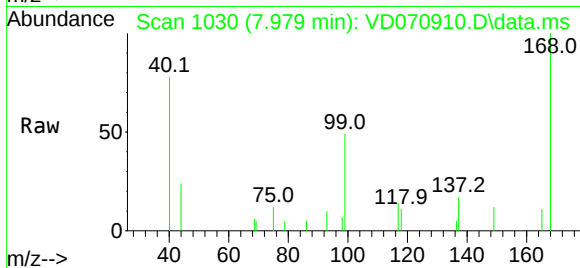
Tgt Ion: 75 Resp: 397

Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.4#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 1.247 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.100 min

Lab File: VD070910.D

Acq: 03 Nov 2021 15:05

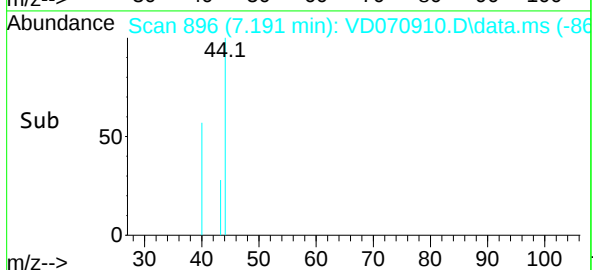
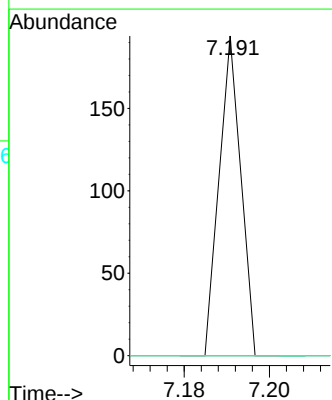
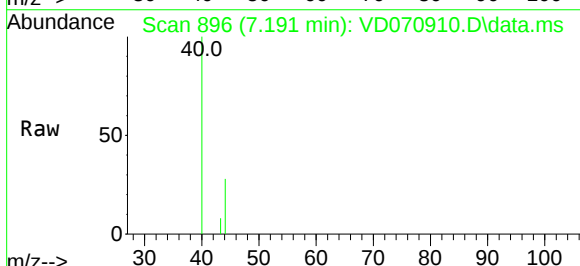
Tgt Ion: 43 Resp: 68

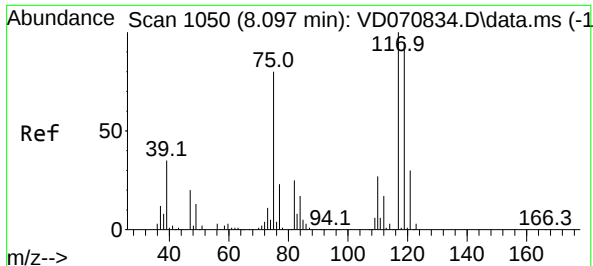
Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.6#

70 0.0 8.7 13.1#

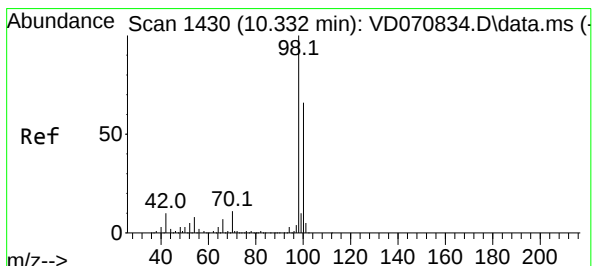
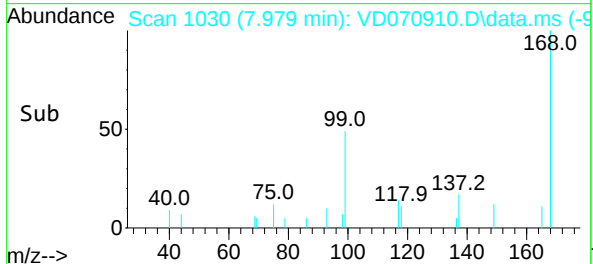
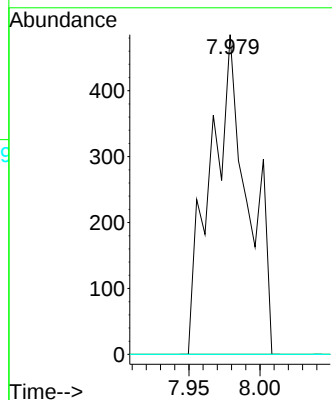
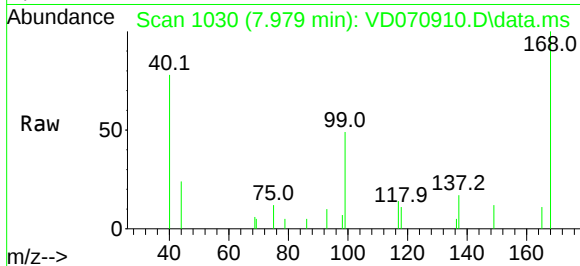




#38
Carbon Tetrachloride
Concen: 6.016 ug/l
RT: 7.979 min Scan# 1050
Delta R.T. -0.118 min
Lab File: VD070910.D
Acq: 03 Nov 2021 15:05

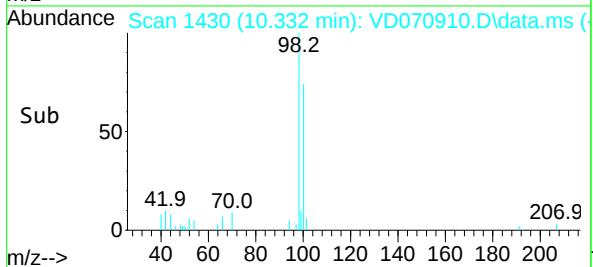
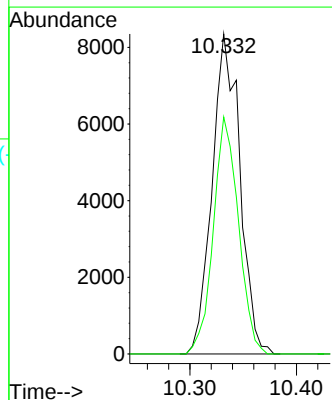
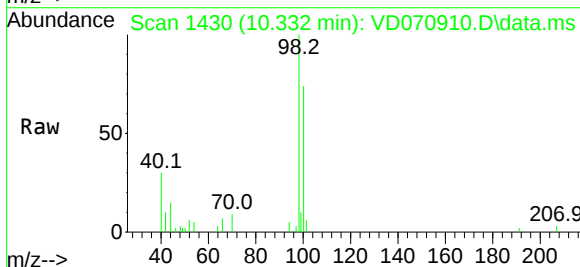
Instrument :
MSVOA_D
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11221-A

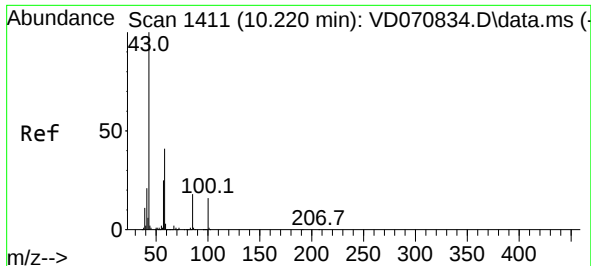
Tgt Ion:117 Resp: 887
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#



#50
Toluene-d8
Concen: 43.472 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070910.D
Acq: 03 Nov 2021 15:05

Tgt Ion: 98 Resp: 15112
Ion Ratio Lower Upper
98 100
100 66.9 51.8 77.6

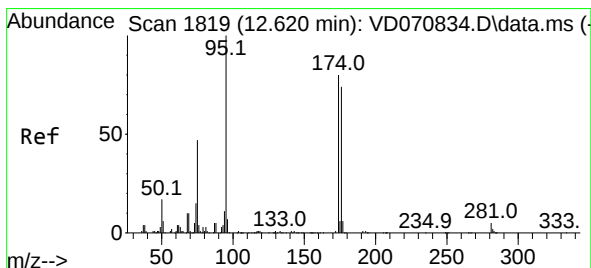
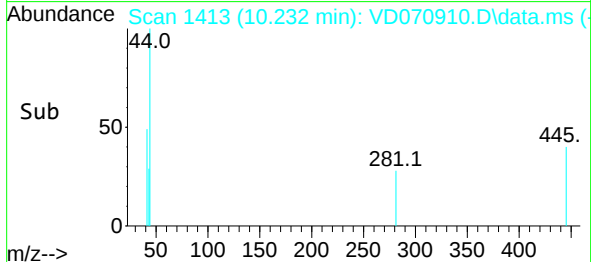
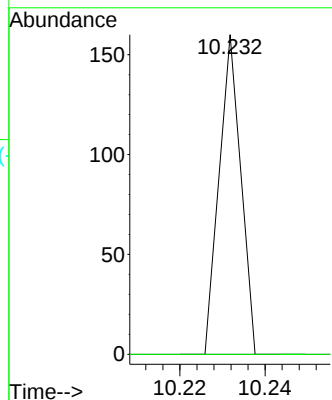
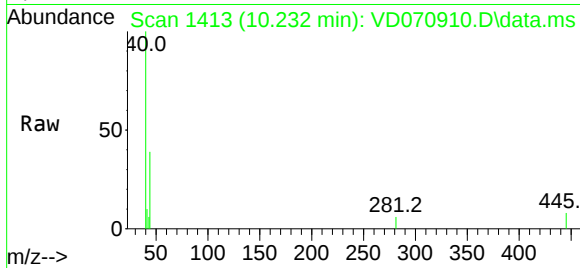




#51
4-Methyl-2-Pentanone
Concen: 1.054 ug/l
RT: 10.232 min Scan# 1411
Delta R.T. 0.012 min
Lab File: VD070910.D
Acq: 03 Nov 2021 15:05

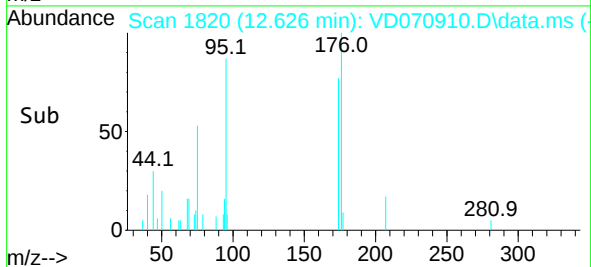
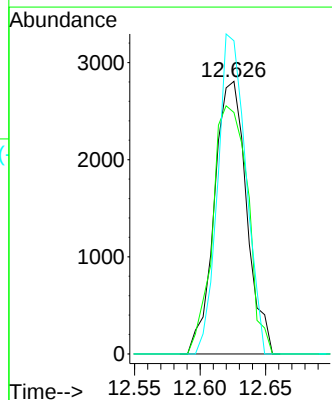
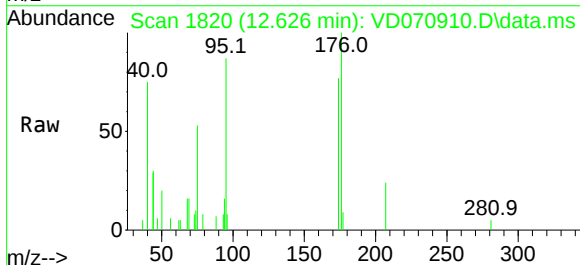
Instrument :
MSVOA_D
ClientSampleId :
11221-A

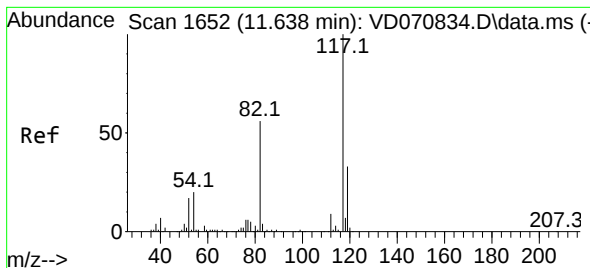
Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#62
4-Bromofluorobenzene
Concen: 41.945 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD070910.D
Acq: 03 Nov 2021 15:05

Tgt Ion: 95 Resp: 4811
Ion Ratio Lower Upper
95 100
174 98.8 0.0 159.4
176 101.6 0.0 154.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD070910.D

Acq: 03 Nov 2021 15:05

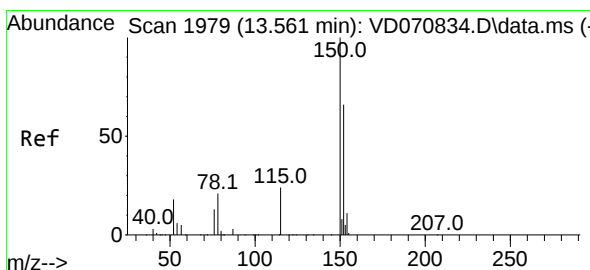
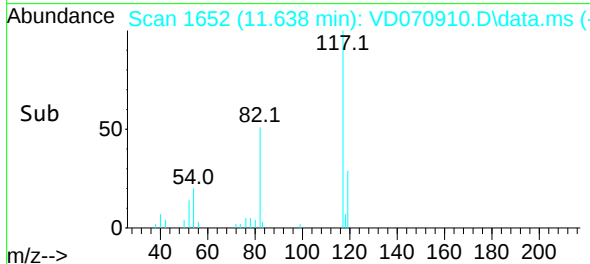
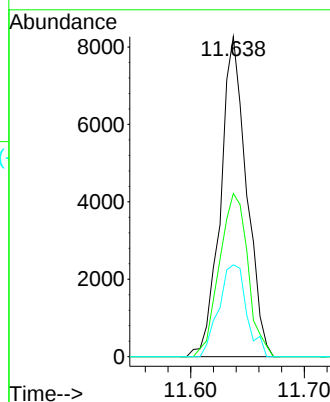
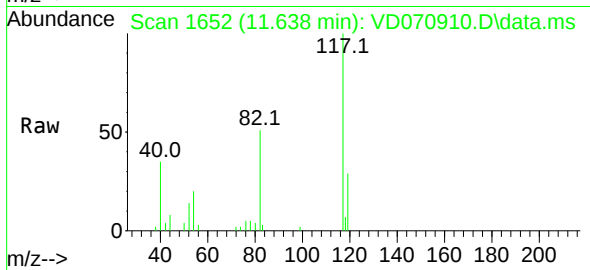
Instrument :

MSVOA_D

ClientSampleId :

11221-A

Tgt Ion:117	Resp:	13166
Ion	Ratio	Lower Upper
117	100	
82	51.0	44.7 67.1
119	28.7	26.2 39.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

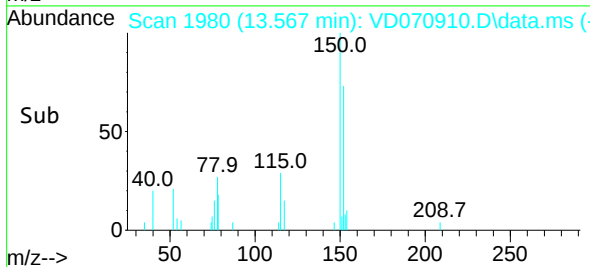
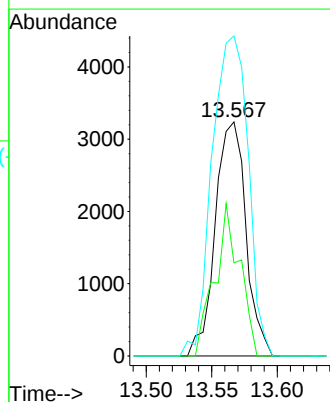
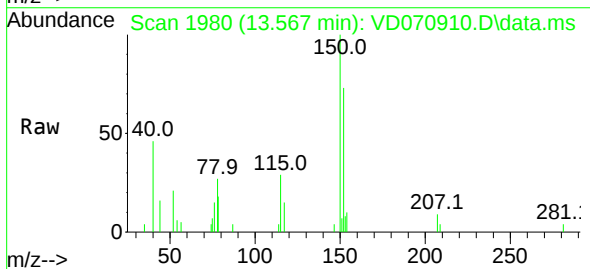
RT: 13.567 min Scan# 1980

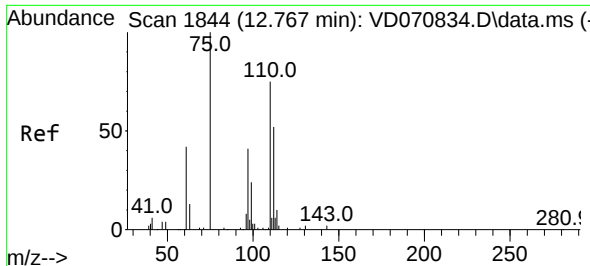
Delta R.T. 0.006 min

Lab File: VD070910.D

Acq: 03 Nov 2021 15:05

Tgt Ion:152	Resp:	5270
Ion	Ratio	Lower Upper
152	100	
115	52.9	29.8 89.3
150	160.6	0.0 349.2

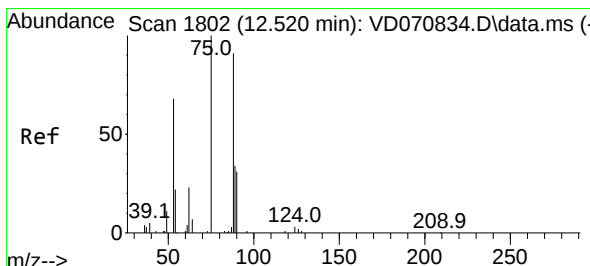
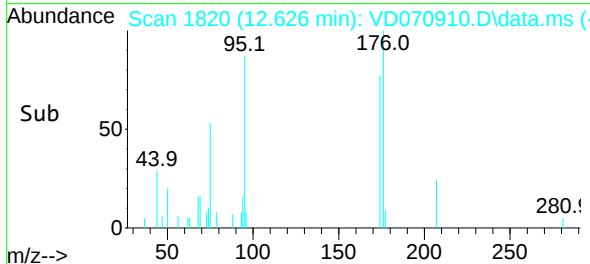
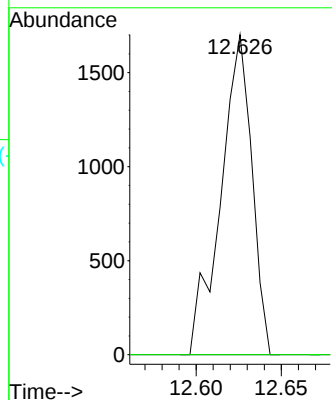
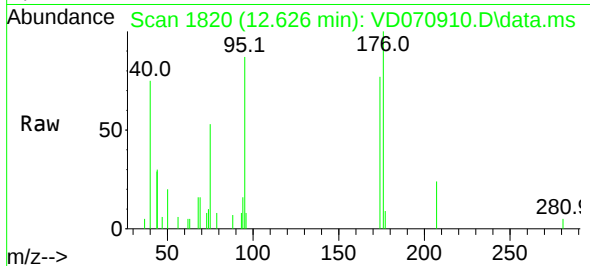




#76
1,2,3-Trichloropropane
Concen: 41.867 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.141 min
Lab File: VD070910.D
Acq: 03 Nov 2021 15:05

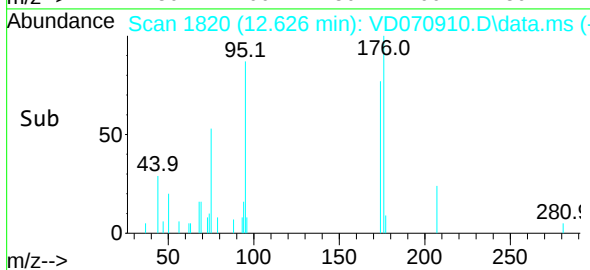
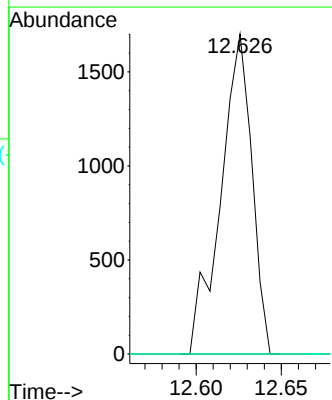
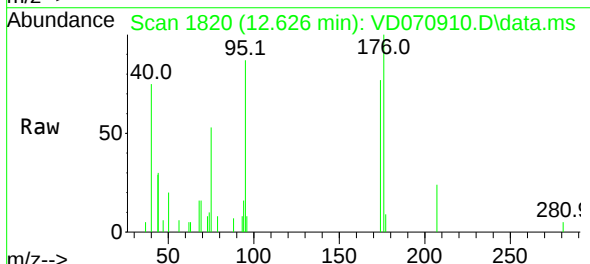
Instrument :
MSVOA_D
ClientSampleId :
11221-A

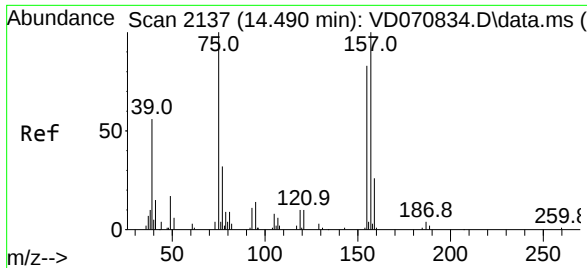
Tgt Ion: 75 Resp: 2172
Ion Ratio Lower Upper
75 100
77 0.0 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 109.886 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070910.D
Acq: 03 Nov 2021 15:05

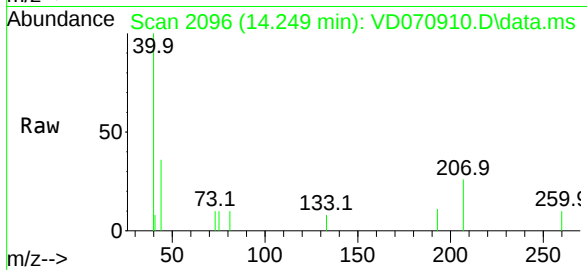
Tgt Ion: 75 Resp: 2172
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 12.248 ug/l
 RT: 14.249 min Scan# 2096
 Delta R.T. -0.241 min
 Lab File: VD070910.D
 Acq: 03 Nov 2021 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 11221-A



Tgt Ion: 75 Resp: 128
 Ion Ratio Lower Upper
 75 100
 155 0.0 40.0 120.0#
 157 0.0 49.8 149.3#

