

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112221\
 Data File : VU045939.D
 Acq On : 23 Nov 2021 01:45
 Operator : SY/MD
 Sample : M4775-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 23 06:51:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 05 13:35:16 2021
 Response via : Initial Calibration

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

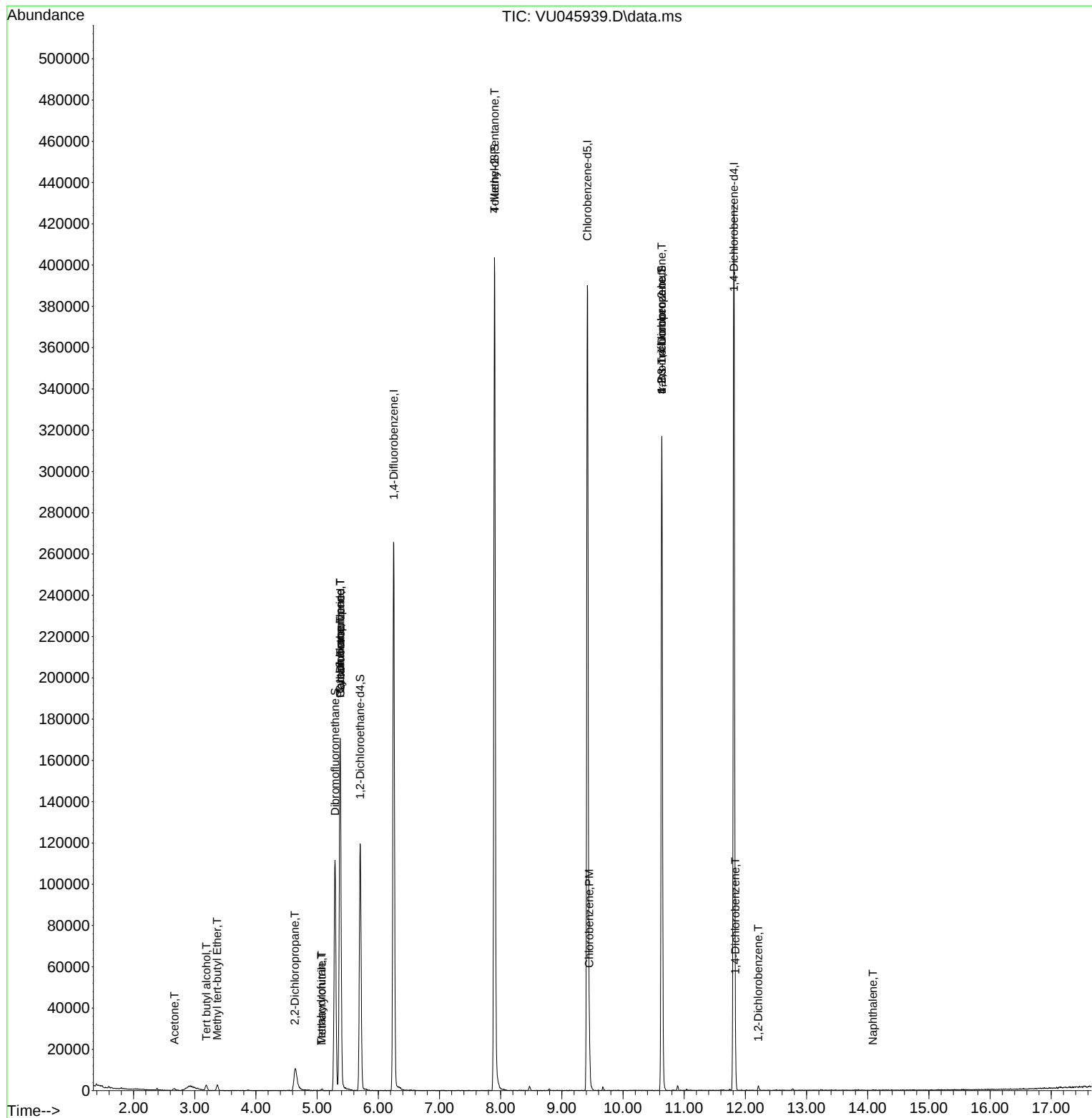
Internal Standards						
1) Pentafluorobenzene	5.379	168	117298	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	212060	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	222801	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	110973	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	89943	51.201	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.400%	
35) Dibromofluoromethane	5.292	113	71885	50.773	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.540%	
50) Toluene-d8	7.899	98	280001	53.185	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 106.360%	
62) 4-Bromofluorobenzene	10.632	95	107718	51.024	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.040%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.189	59	1665	4.789	ug/l #	72
16) Acetone	2.668	43	1742	1.948	ug/l	98
19) Methyl tert-butyl Ether	3.366	73	3131	0.674	ug/l	97
26) 2,2-Dichloropropane	4.636	77	776	0.347	ug/l #	53
29) Tetrahydrofuran	5.070	42	293	0.386	ug/l #	82
31) Cyclohexane	5.375	56	2623	1.023	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	10091	4.880	ug/l #	50
38) Carbon Tetrachloride	5.379	117	12117	5.813	ug/l #	16
41) Methacrylonitrile	5.076	41	252	0.201	ug/l #	22
51) 4-Methyl-2-Pentanone	7.899	43	880	0.367	ug/l #	1
65) Chlorobenzene	9.449	112	11408	2.607	ug/l	99
76) 1,2,3-Trichloropropane	10.632	75	56334	16.739	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.632	75	56334	54.548	ug/l #	12
88) 1,4-Dichlorobenzene	11.838	146	2713	0.755	ug/l #	63
91) 1,2-Dichlorobenzene	12.211	146	1019	0.295	ug/l	92
95) Naphthalene	14.082	128	330	1.065	ug/l #	69

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

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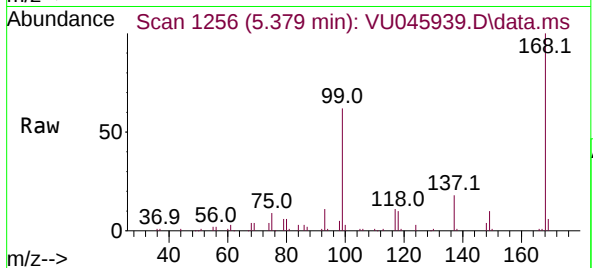
Quant Time: Nov 23 06:51:12 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 05 13:35:16 2021
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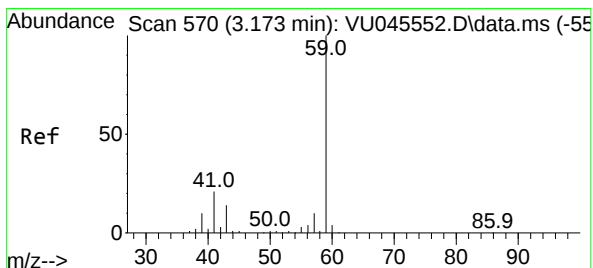
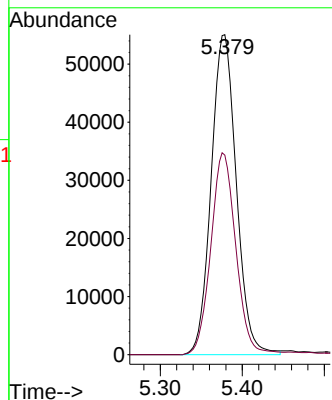
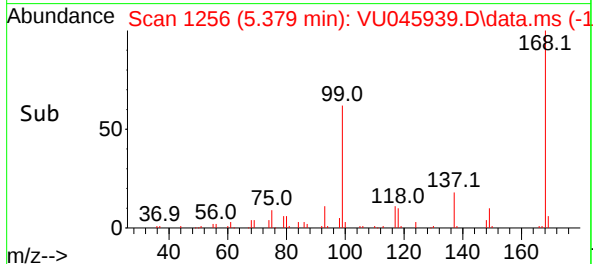


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 11
Delta R.T. 0.004 min
Lab File: VU045939.D
Acq: 23 Nov 2021 01:45

Instrument :
MSVOA_U
ClientSampleId :

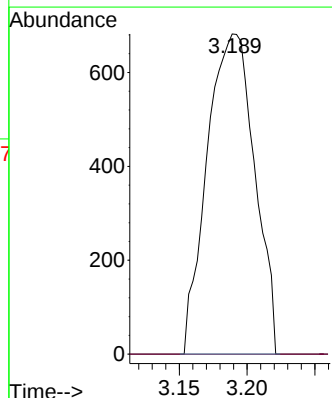
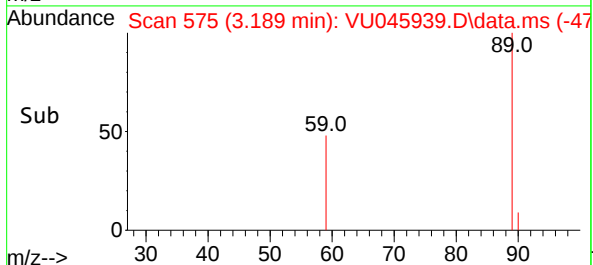
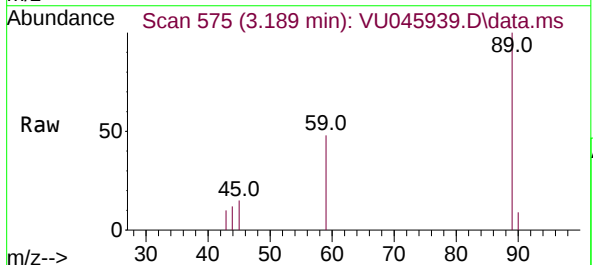


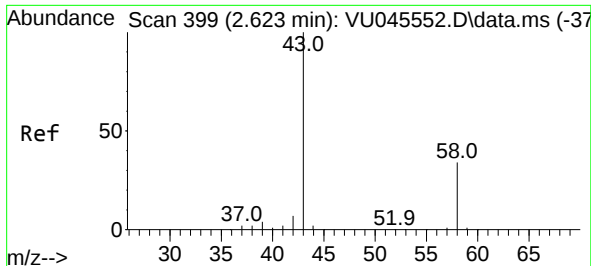
Tgt Ion:168 Resp: 117298
Ion Ratio Lower Upper
168 100
99 62.4 51.0 76.6



#11
Tert butyl alcohol
Concen: 4.789 ug/l
RT: 3.189 min Scan# 575
Delta R.T. 0.016 min
Lab File: VU045939.D
Acq: 23 Nov 2021 01:45

Tgt Ion: 59 Resp: 1665
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

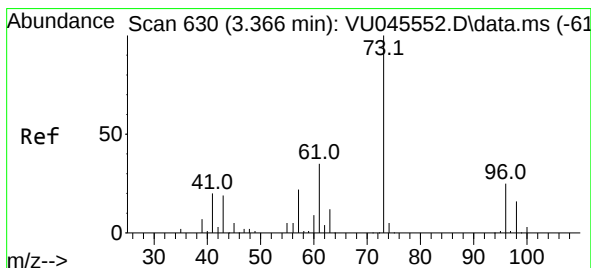
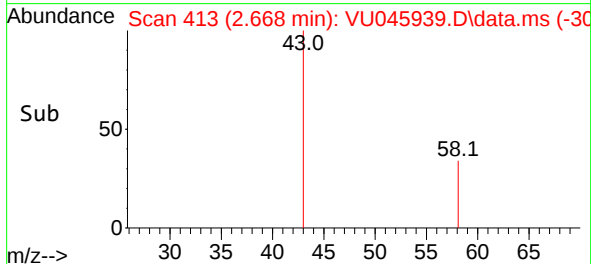
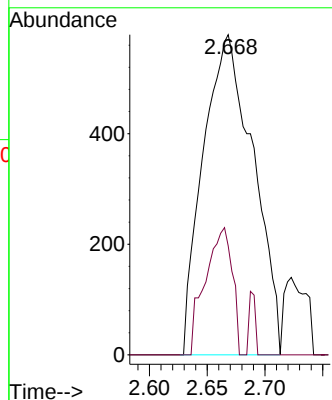
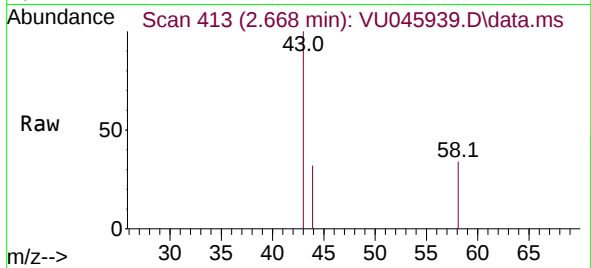




#16
Acetone
Concen: 1.948 ug/l
RT: 2.668 min Scan# 41
Delta R.T. 0.045 min
Lab File: VU045939.D
Acq: 23 Nov 2021 01:45

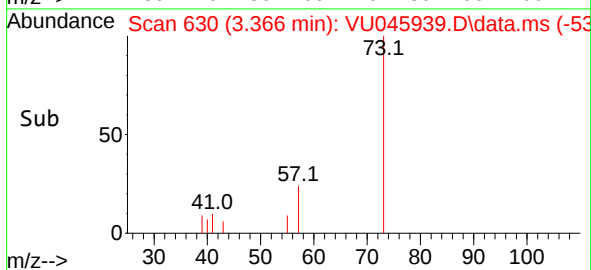
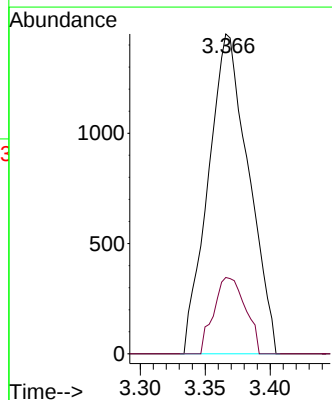
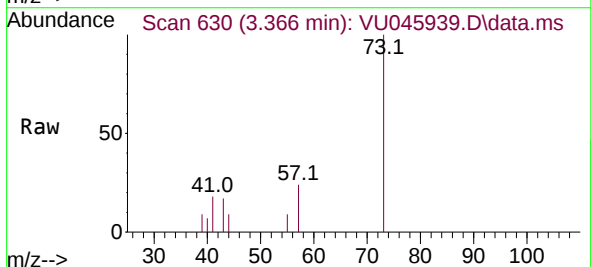
Instrument :
MSVOA_U
ClientSampleId :

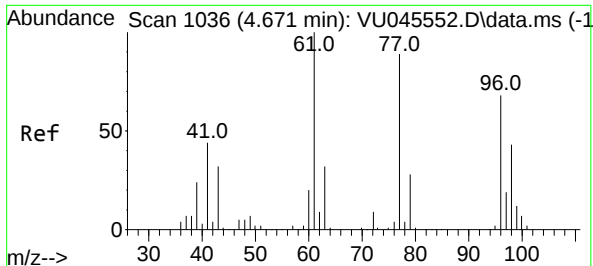
Tgt Ion: 43 Resp: 1742
Ion Ratio Lower Upper
43 100
58 34.0 26.2 39.2



#19
Methyl tert-butyl Ether
Concen: 0.674 ug/l
RT: 3.366 min Scan# 630
Delta R.T. 0.000 min
Lab File: VU045939.D
Acq: 23 Nov 2021 01:45

Tgt Ion: 73 Resp: 3131
Ion Ratio Lower Upper
73 100
57 23.9 18.1 27.1





#26

2,2-Dichloropropane

Concen: 0.347 ug/l

RT: 4.636 min Scan# 110

Delta R.T. -0.035 min

Lab File: VU045939.D

Acq: 23 Nov 2021 01:45

Instrument :

MSVOA_U

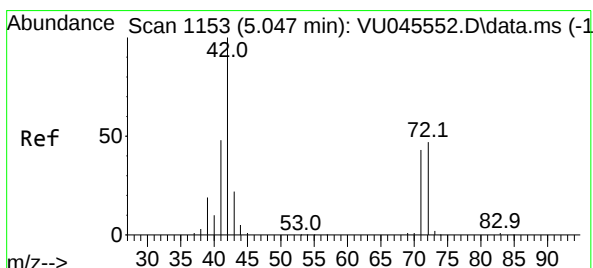
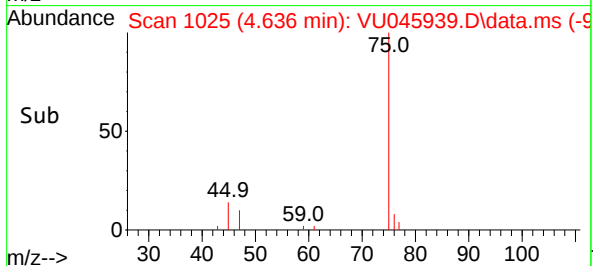
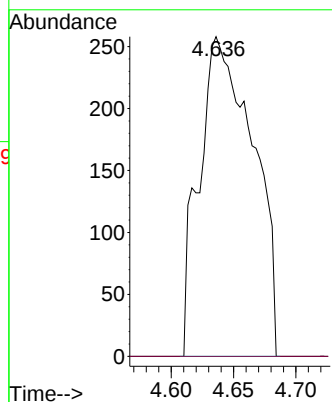
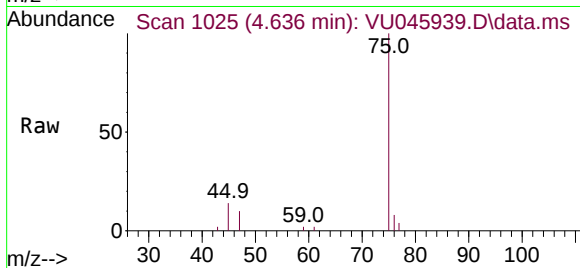
ClientSampleId :

Tgt Ion: 77 Resp: 776

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.1#



#29

Tetrahydrofuran

Concen: 0.386 ug/l

RT: 5.070 min Scan# 1160

Delta R.T. 0.023 min

Lab File: VU045939.D

Acq: 23 Nov 2021 01:45

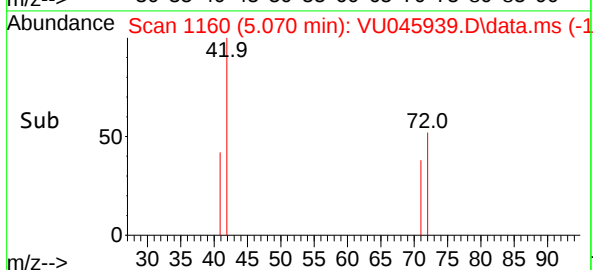
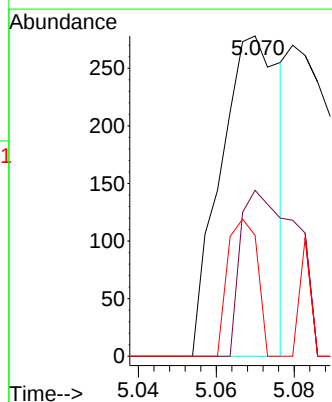
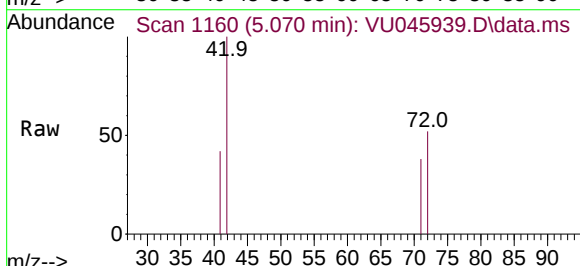
Tgt Ion: 42 Resp: 293

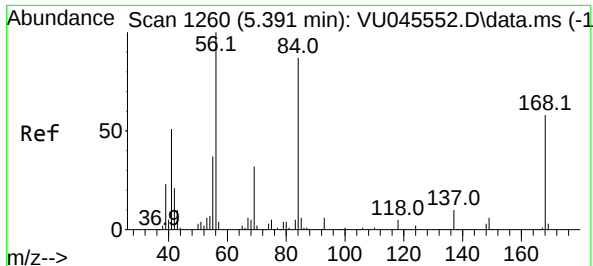
Ion Ratio Lower Upper

42 100

72 49.1 38.2 57.4

71 21.5 35.4 53.2#

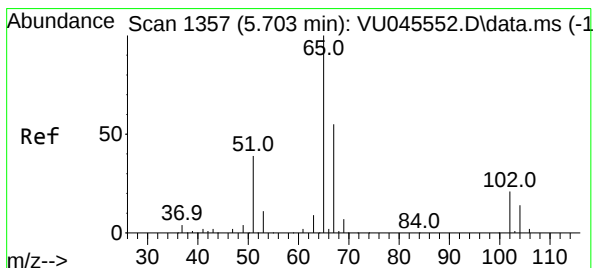
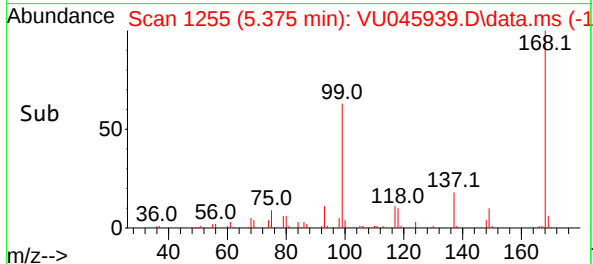
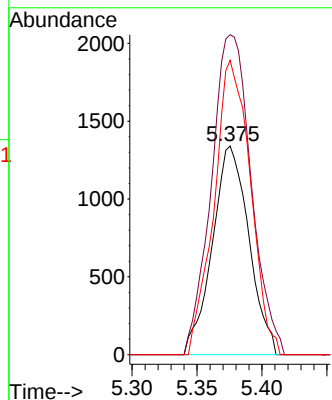
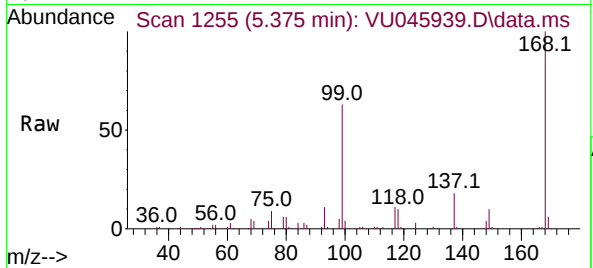




#31
Cyclohexane
Concen: 1.023 ug/l
RT: 5.375 min Scan# 1260
Delta R.T. -0.016 min
Lab File: VU045939.D
Acq: 23 Nov 2021 01:45

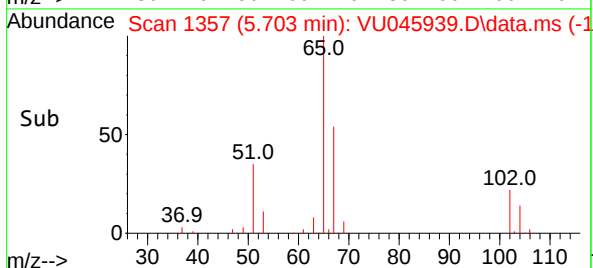
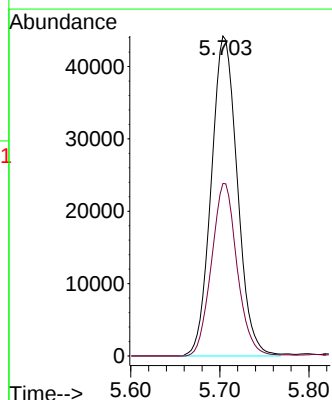
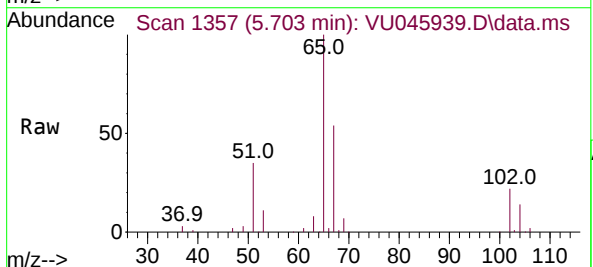
Instrument :
MSVOA_U
ClientSampleId :

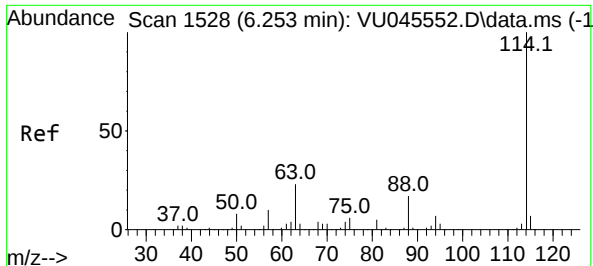
Tgt Ion: 56 Resp: 2623
Ion Ratio Lower Upper
56 100
69 153.4 26.4 39.6#
84 141.2 68.4 102.6#



#33
1,2-Dichloroethane-d4
Concen: 51.201 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. 0.000 min
Lab File: VU045939.D
Acq: 23 Nov 2021 01:45

Tgt Ion: 65 Resp: 89943
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU045939.D

Acq: 23 Nov 2021 01:45

Instrument :

MSVOA_U

ClientSampleId :

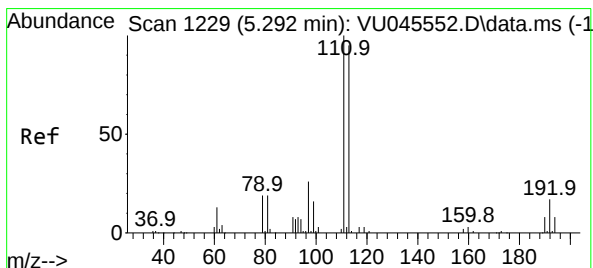
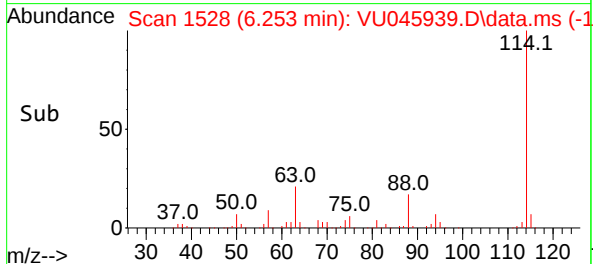
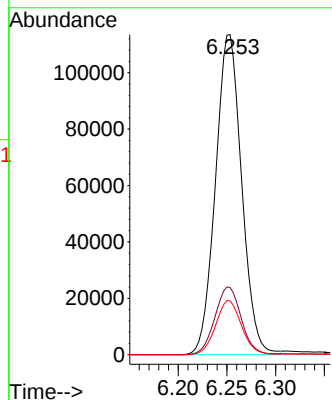
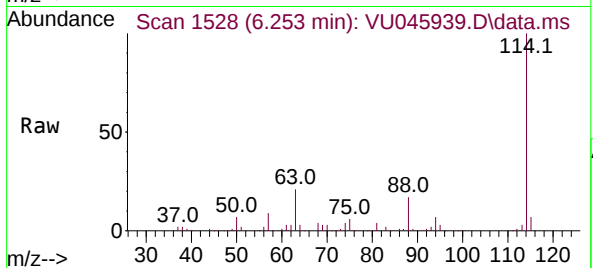
Tgt Ion:114 Resp: 212060

Ion Ratio Lower Upper

114 100

63 21.0 0.0 45.6

88 16.8 0.0 33.8



#35

Dibromofluoromethane

Concen: 50.773 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. 0.000 min

Lab File: VU045939.D

Acq: 23 Nov 2021 01:45

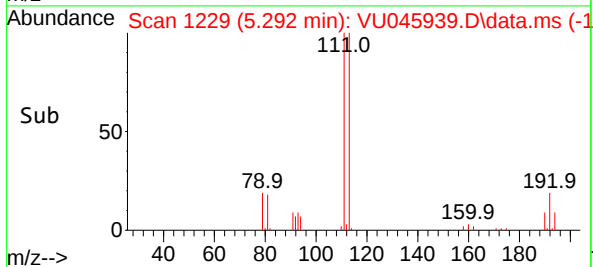
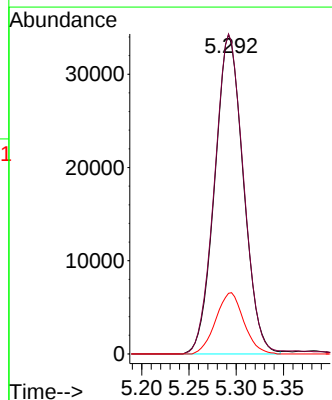
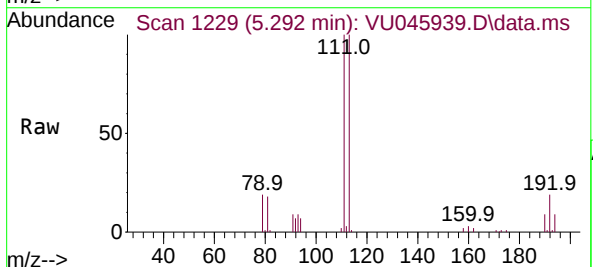
Tgt Ion:113 Resp: 71885

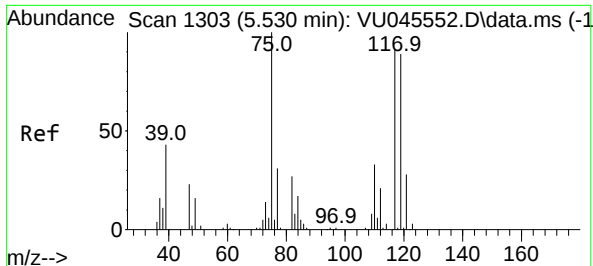
Ion Ratio Lower Upper

113 100

111 101.6 82.8 124.2

192 18.8 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.880 ug/l

RT: 5.375 min Scan# 1

Delta R.T. -0.154 min

Lab File: VU045939.D

Acq: 23 Nov 2021 01:45

Instrument :

MSVOA_U

ClientSampleId :

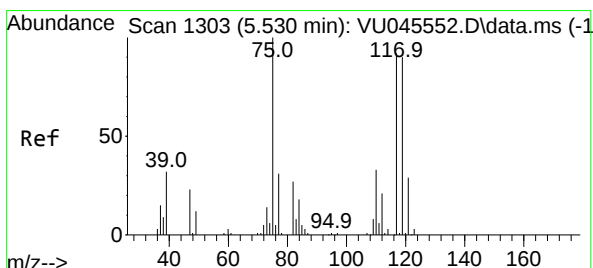
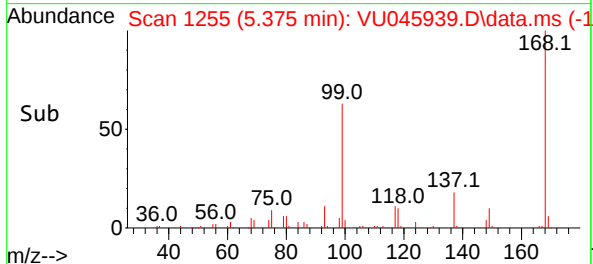
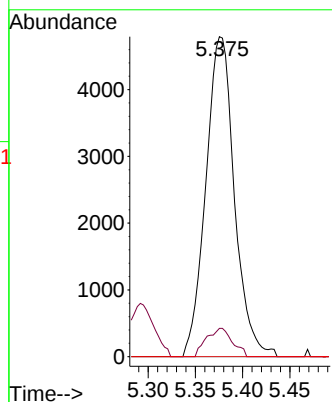
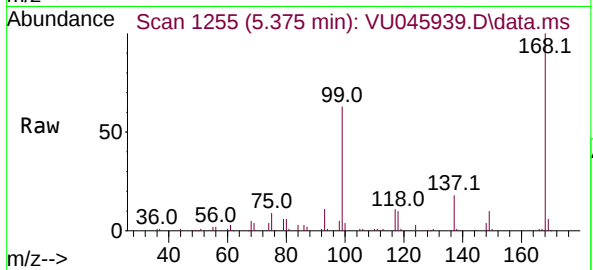
Tgt Ion: 75 Resp: 10091

Ion Ratio Lower Upper

75 100

110 8.0 16.7 50.0#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.813 ug/l

RT: 5.379 min Scan# 1256

Delta R.T. -0.151 min

Lab File: VU045939.D

Acq: 23 Nov 2021 01:45

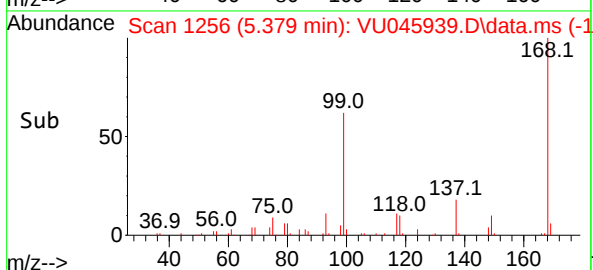
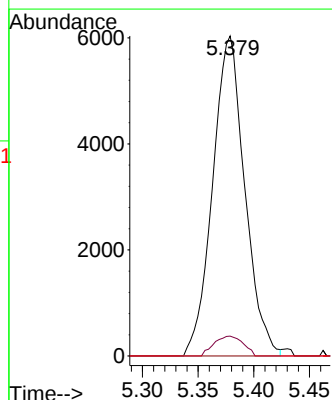
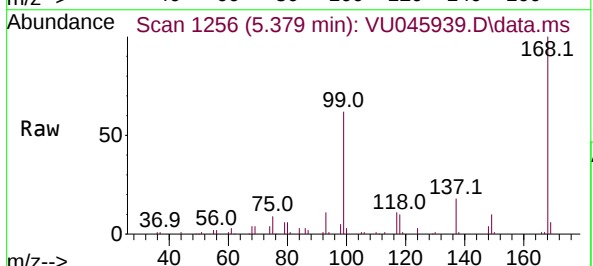
Tgt Ion: 117 Resp: 12117

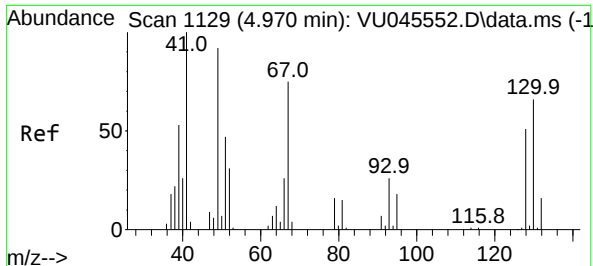
Ion Ratio Lower Upper

117 100

119 6.2 77.4 116.0#

121 0.0 24.8 37.2#





#41

Methacrylonitrile

Concen: 0.201 ug/l

RT: 5.076 min Scan# 1129

Delta R.T. 0.106 min

Lab File: VU045939.D

Acq: 23 Nov 2021 01:45

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 41 Resp: 252

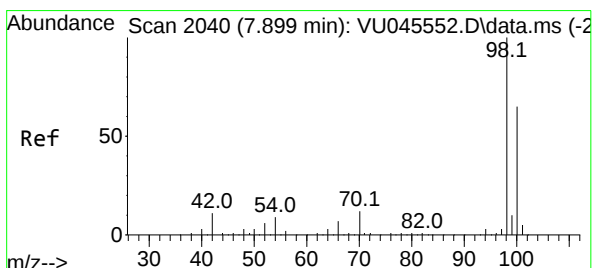
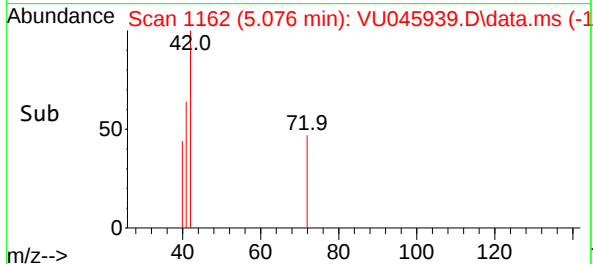
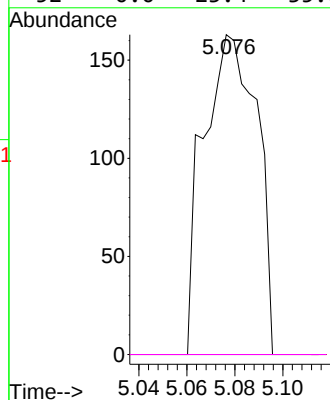
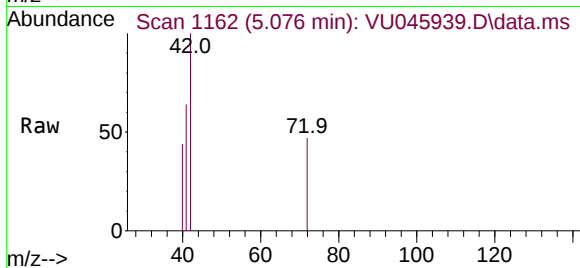
Ion Ratio Lower Upper

41 100

39 0.0 43.4 65.0#

67 0.0 61.0 91.4#

52 0.0 23.4 35.0#



#50

Toluene-d8

Concen: 53.185 ug/l

RT: 7.899 min Scan# 2040

Delta R.T. 0.000 min

Lab File: VU045939.D

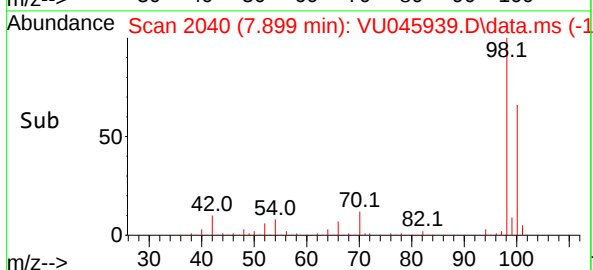
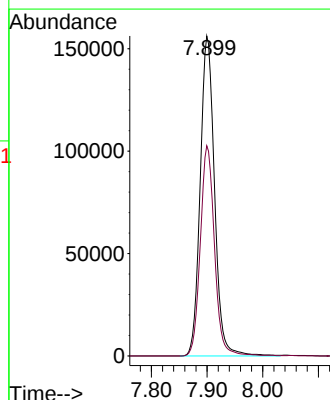
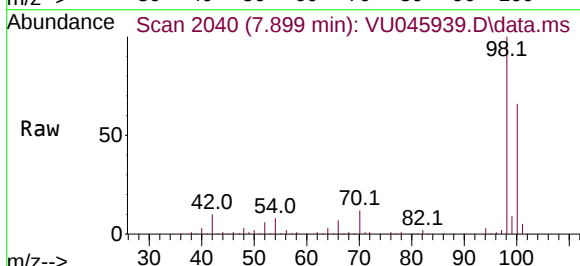
Acq: 23 Nov 2021 01:45

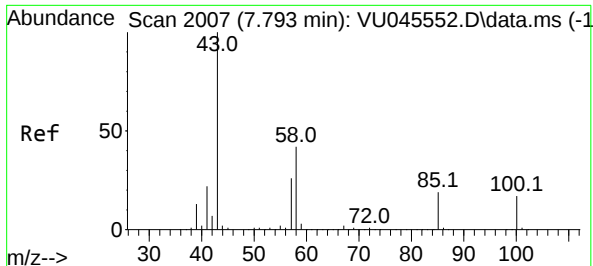
Tgt Ion: 98 Resp: 280001

Ion Ratio Lower Upper

98 100

100 65.2 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.367 ug/l

RT: 7.899 min Scan# 2007

Delta R.T. 0.106 min

Lab File: VU045939.D

Acq: 23 Nov 2021 01:45

Instrument :

MSVOA_U

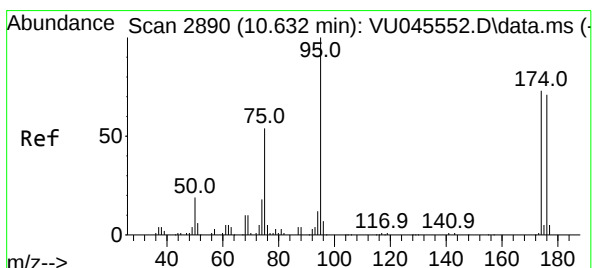
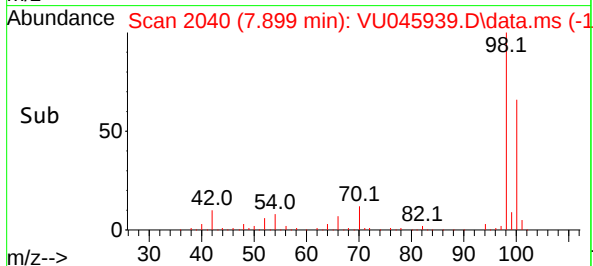
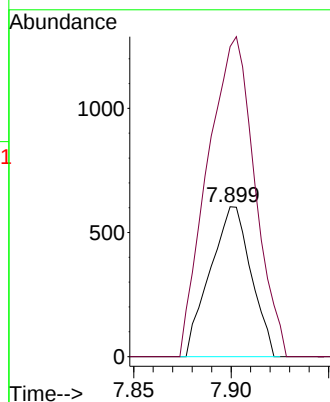
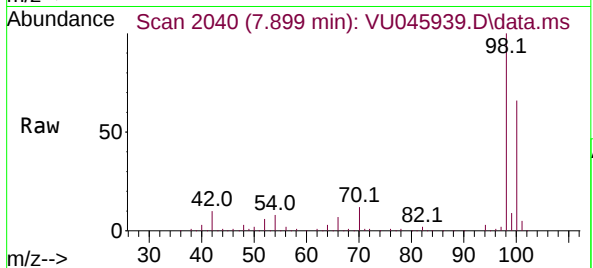
ClientSampleId :

Tgt Ion: 43 Resp: 880

Ion Ratio Lower Upper

43 100

58 246.5 33.8 50.8#



#62

4-Bromofluorobenzene

Concen: 51.024 ug/l

RT: 10.632 min Scan# 2890

Delta R.T. 0.000 min

Lab File: VU045939.D

Acq: 23 Nov 2021 01:45

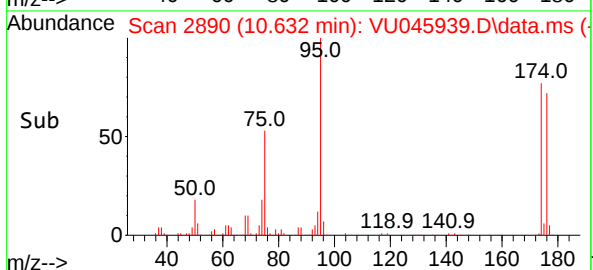
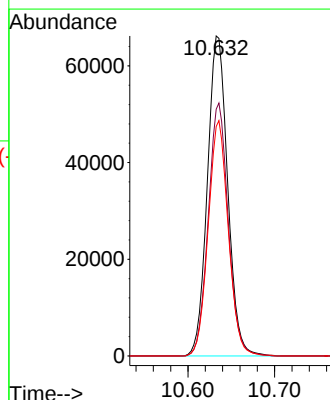
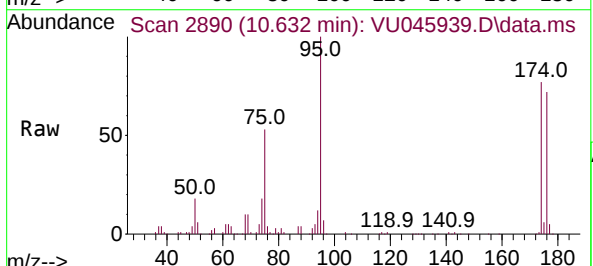
Tgt Ion: 95 Resp: 107718

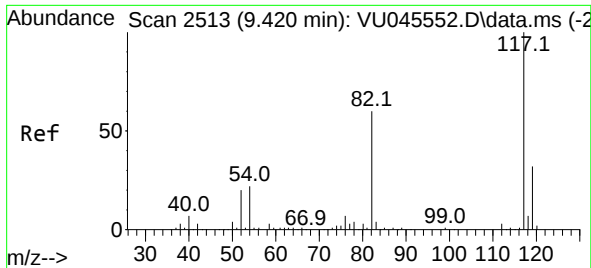
Ion Ratio Lower Upper

95 100

174 78.1 0.0 141.8

176 72.9 0.0 138.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.417 min Scan# 2

Delta R.T. -0.003 min

Lab File: VU045939.D

Acq: 23 Nov 2021 01:45

Instrument :

MSVOA_U

ClientSampleId :

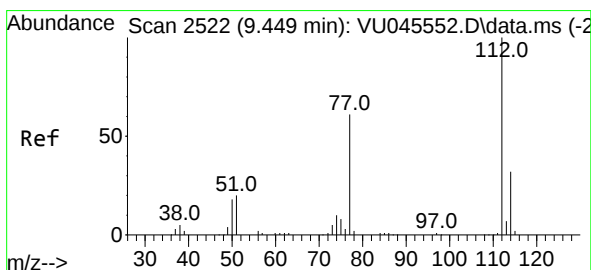
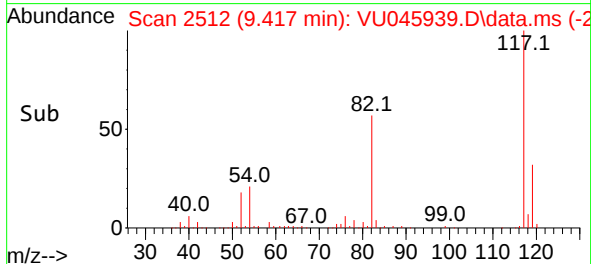
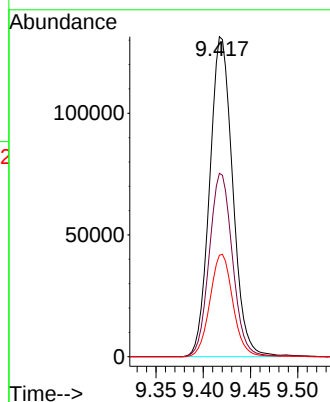
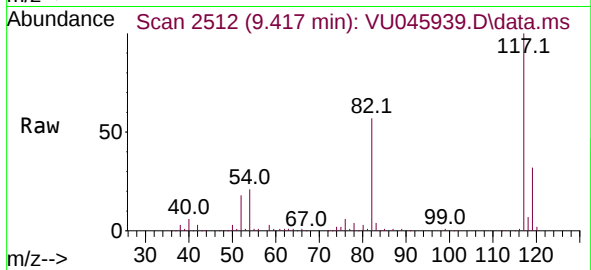
Tgt Ion:117 Resp: 222801

Ion Ratio Lower Upper

117 100

82 57.3 47.8 71.8

119 31.7 25.8 38.8



#65

Chlorobenzene

Concen: 2.607 ug/l

RT: 9.449 min Scan# 2522

Delta R.T. 0.000 min

Lab File: VU045939.D

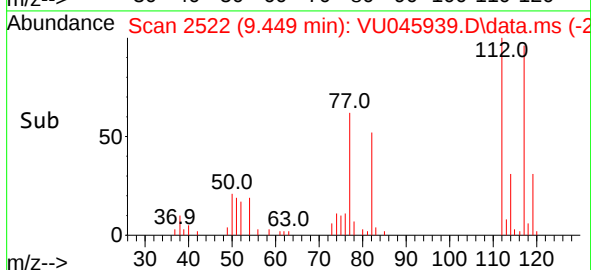
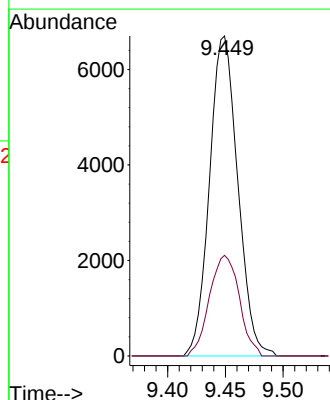
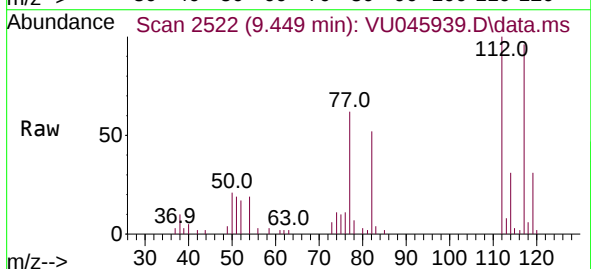
Acq: 23 Nov 2021 01:45

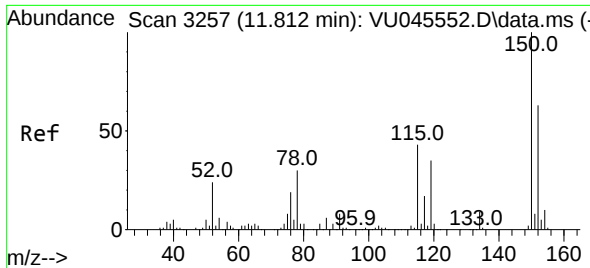
Tgt Ion:112 Resp: 11408

Ion Ratio Lower Upper

112 100

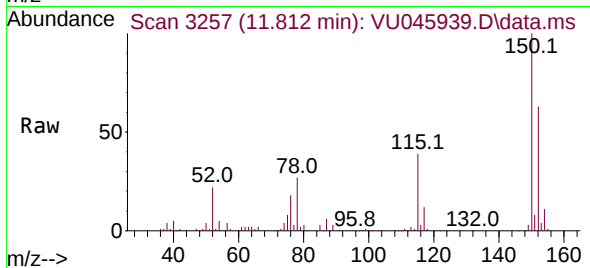
114 31.5 25.7 38.5



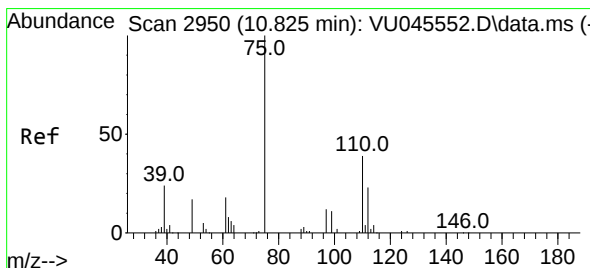
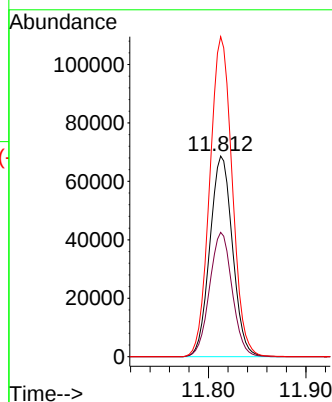
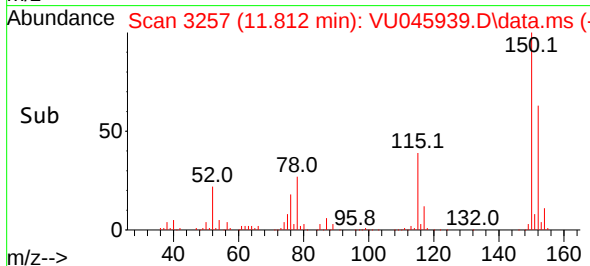


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU045939.D
 Acq: 23 Nov 2021 01:45

Instrument :
 MSVOA_U
 ClientSampleId :

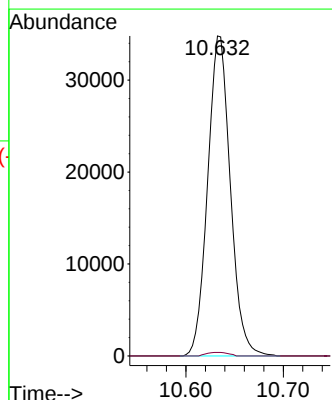
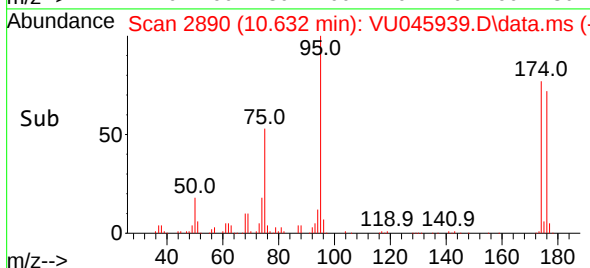
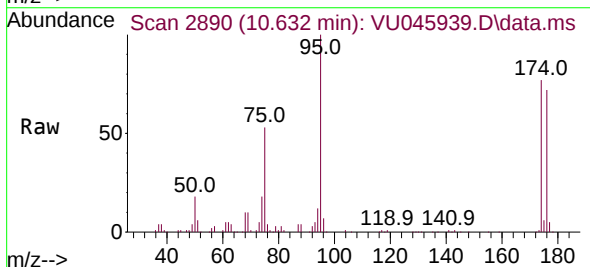


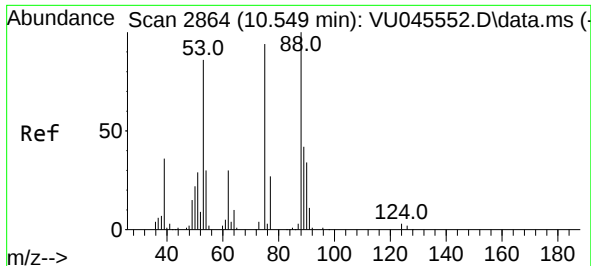
Tgt Ion:152 Resp: 110973
 Ion Ratio Lower Upper
 152 100
 115 61.8 42.7 128.1
 150 158.0 0.0 346.8



#76
 1,2,3-Trichloropropane
 Concen: 16.739 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.193 min
 Lab File: VU045939.D
 Acq: 23 Nov 2021 01:45

Tgt Ion: 75 Resp: 56334
 Ion Ratio Lower Upper
 75 100
 77 1.1 17.1 51.3#

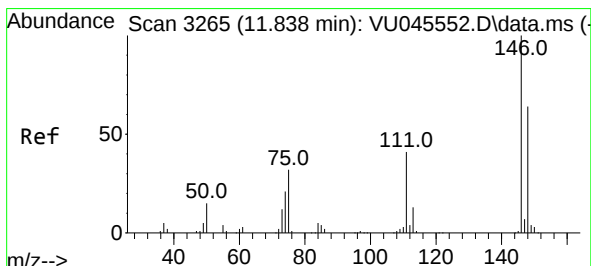
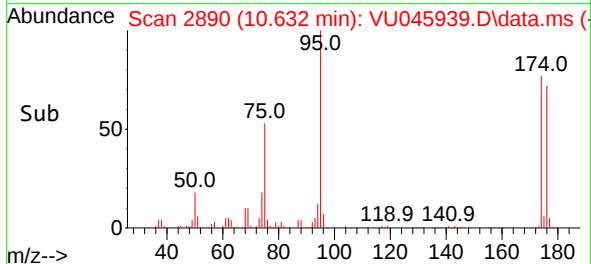
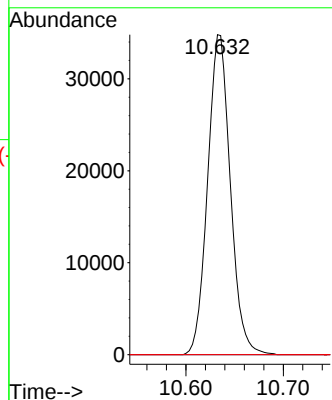
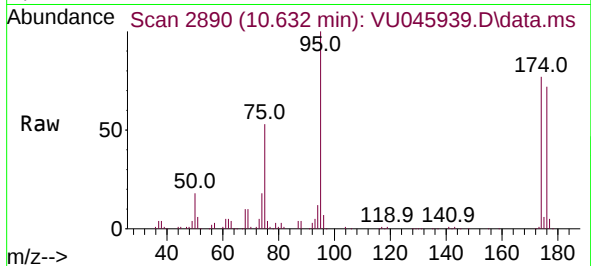




#81
trans-1,4-Dichloro-2-butene
Concen: 54.548 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.083 min
Lab File: VU045939.D
Acq: 23 Nov 2021 01:45

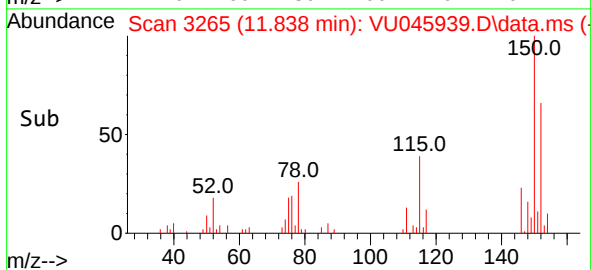
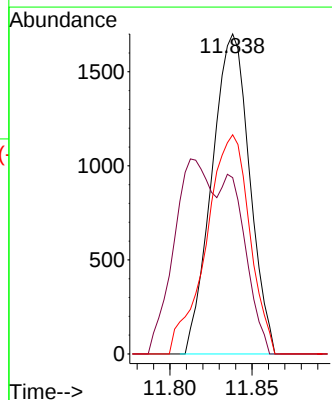
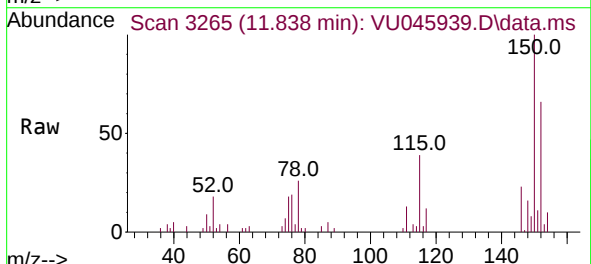
Instrument :
MSVOA_U
ClientSampleId :

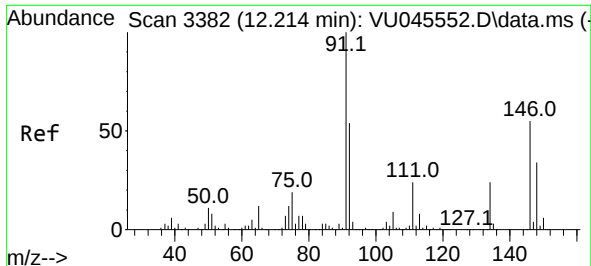
Tgt Ion: 75 Resp: 56334
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#



#88
1,4-Dichlorobenzene
Concen: 0.755 ug/l
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU045939.D
Acq: 23 Nov 2021 01:45

Tgt Ion: 146 Resp: 2713
Ion Ratio Lower Upper
146 100
111 0.0 20.6 61.9#
148 78.7 31.9 95.7





#91

1,2-Dichlorobenzene

Concen: 0.295 ug/l

RT: 12.211 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU045939.D

Acq: 23 Nov 2021 01:45

Instrument :

MSVOA_U

ClientSampleId :

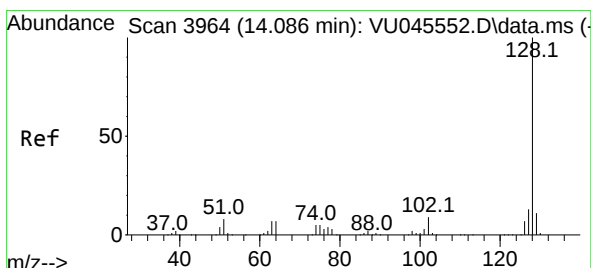
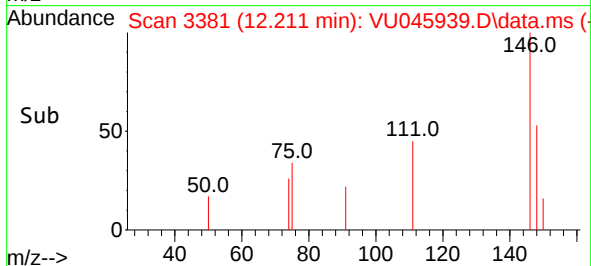
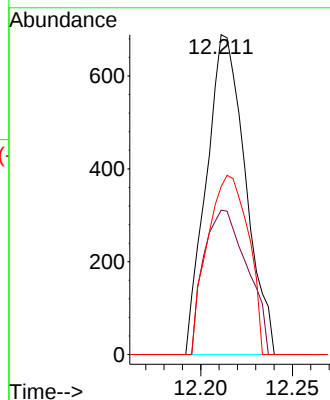
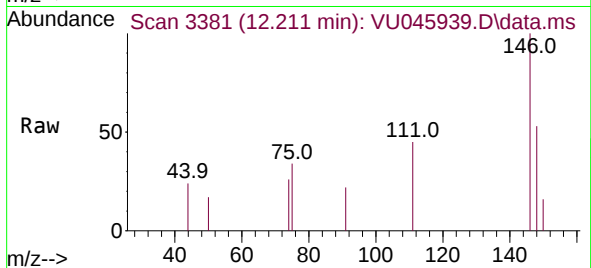
Tgt Ion:146 Resp: 1019

Ion Ratio Lower Upper

146 100

111 50.2 21.9 65.5

148 58.8 32.1 96.3



#95

Naphthalene

Concen: 1.065 ug/l

RT: 14.082 min Scan# 3963

Delta R.T. -0.004 min

Lab File: VU045939.D

Acq: 23 Nov 2021 01:45

Tgt Ion:128 Resp: 330

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 13.0#

