

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110821\
 Data File : VU045608.D
 Acq On : 08 Nov 2021 12:28
 Operator : SY/MD
 Sample : M4568-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 09 09:54:17 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

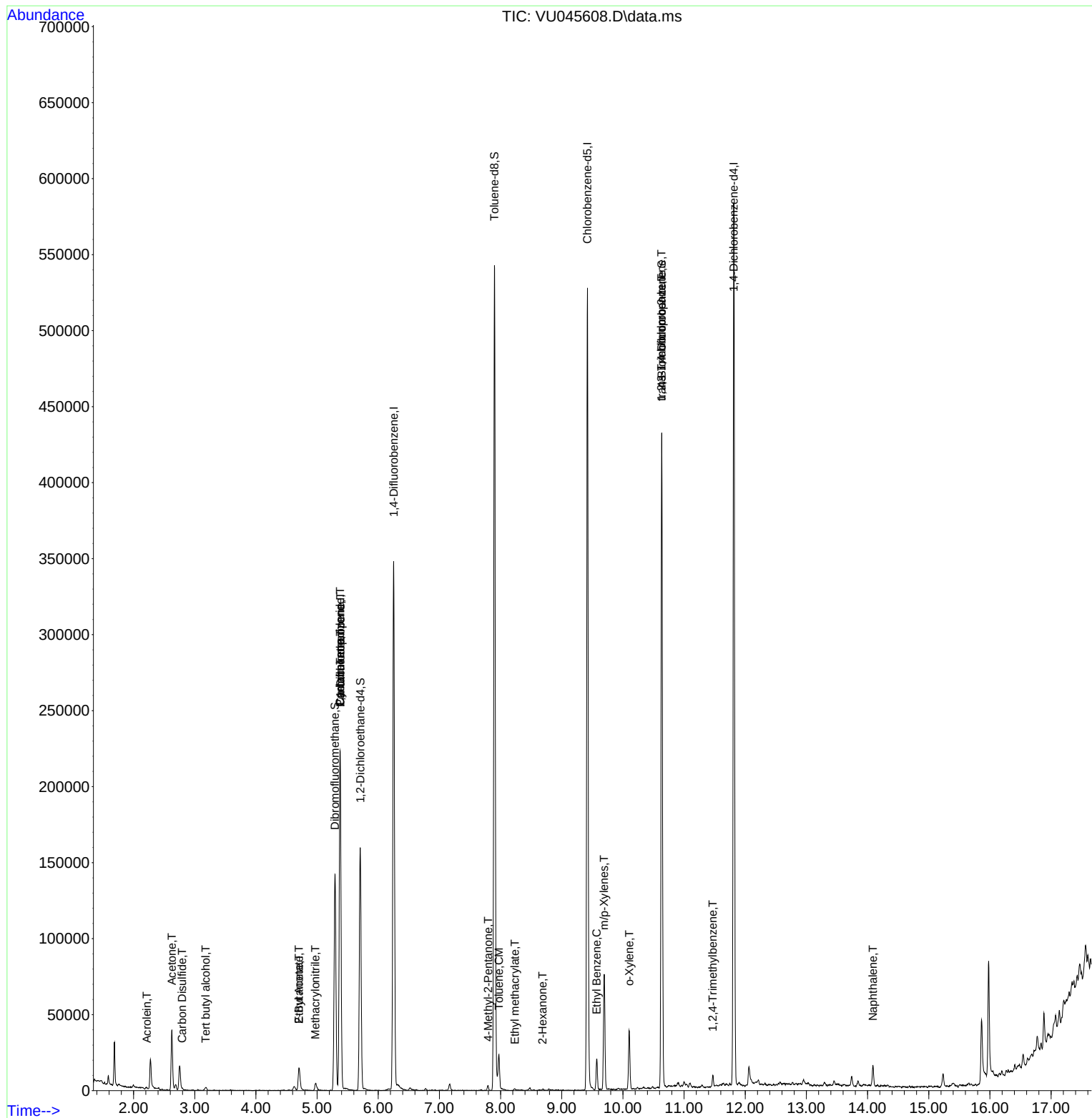
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.378	168	146999	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	276908	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	280241	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	144788	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	118745	53.939	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.880%	
35) Dibromofluoromethane	5.292	113	90479	48.940	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.880%	
50) Toluene-d8	7.899	98	364300	52.992	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 105.980%	
62) 4-Bromofluorobenzene	10.635	95	142756	51.785	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.580%	
Target Compounds						Qvalue
11) Tert butyl alcohol	3.179	59	2460	5.646	ug/l #	82
13) Acrolein	2.218	56	20	0.317	ug/l #	1
16) Acetone	2.626	43	42787	38.180	ug/l	100
17) Carbon Disulfide	2.793	76	1012	0.223	ug/l #	74
25) 2-Butanone	4.703	43	22580	14.527	ug/l	97
31) Cyclohexane	5.375	56	3347	1.042	ug/l #	1
36) 1,1-Dichloropropene	5.378	75	12830	4.752	ug/l #	49
37) Ethyl Acetate	4.703	43	22580	7.280	ug/l #	67
38) Carbon Tetrachloride	5.375	117	15483	5.688	ug/l #	15
41) Methacrylonitrile	4.973	41	591	0.361	ug/l #	33
51) 4-Methyl-2-Pentanone	7.796	43	2178	0.696	ug/l	92
52) Toluene	7.973	92	9123	1.864	ug/l	96
56) Ethyl methacrylate	8.234	69	147	2.462	ug/l #	33
59) 2-Hexanone	8.687	43	816	7.826	ug/l	70
67) Ethyl Benzene	9.571	91	14047	1.425	ug/l	98
68) m/p-Xylenes	9.693	106	22013	5.921	ug/l	99
69) o-Xylene	10.102	106	10352	2.864	ug/l	98
76) 1,2,3-Trichloropropane	10.632	75	75427	17.178	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.632	75	75427	55.900	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.468	105	3841	0.468	ug/l	93
95) Naphthalene	14.089	128	10170	1.879	ug/l	97

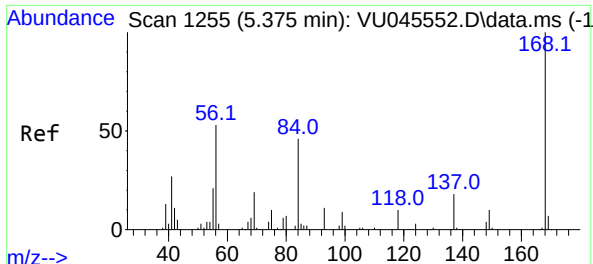
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

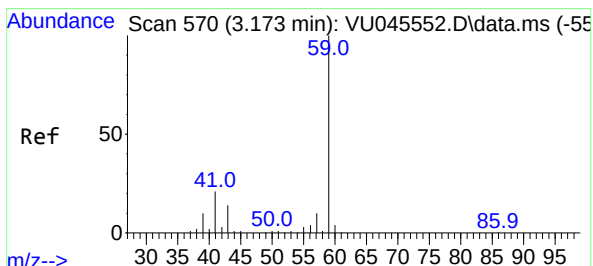
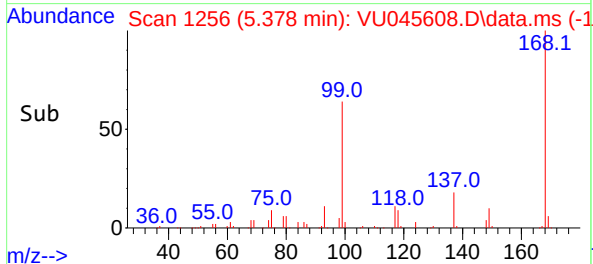
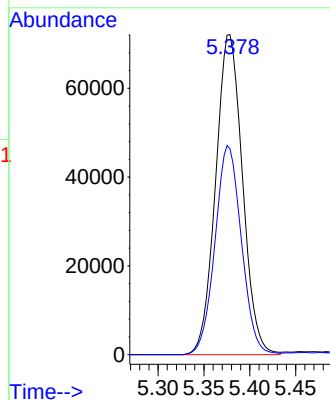
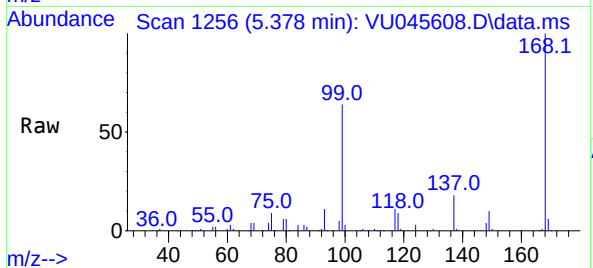




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU045608.D
Acq: 08 Nov 2021 12:28

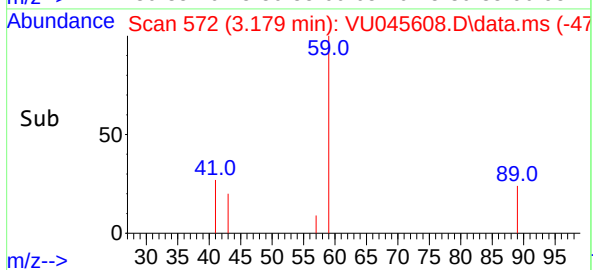
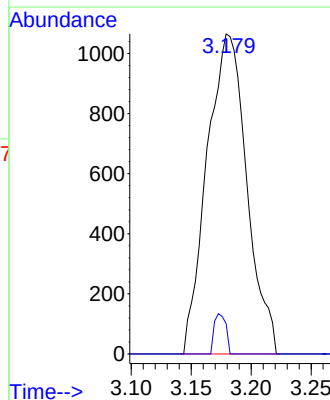
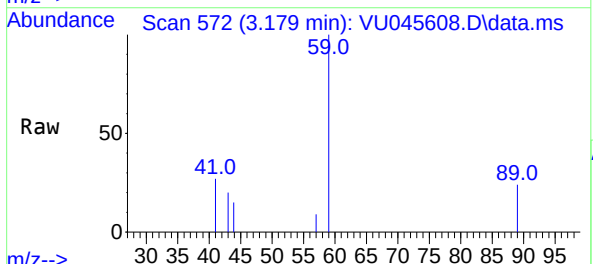
Instrument :
MSVOA_U
ClientSampleId :

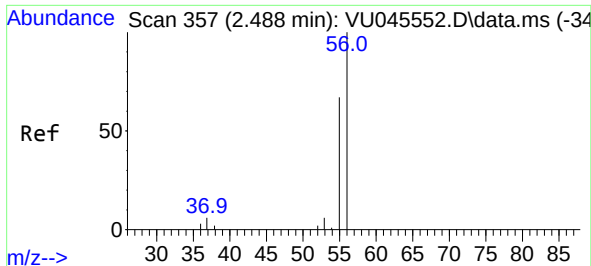
Tgt Ion:168 Resp: 146999
Ion Ratio Lower Upper
168 100
99 64.4 51.0 76.6



#11
Tert butyl alcohol
Concen: 5.646 ug/l
RT: 3.179 min Scan# 572
Delta R.T. 0.006 min
Lab File: VU045608.D
Acq: 08 Nov 2021 12:28

Tgt Ion: 59 Resp: 2460
Ion Ratio Lower Upper
59 100
57 3.7 8.3 12.5#

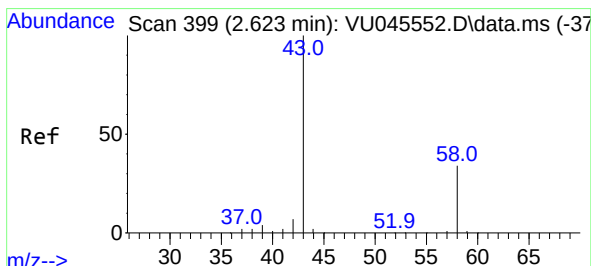
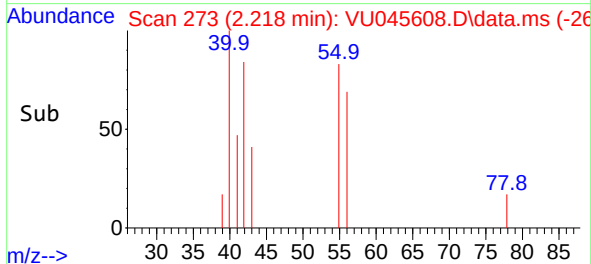
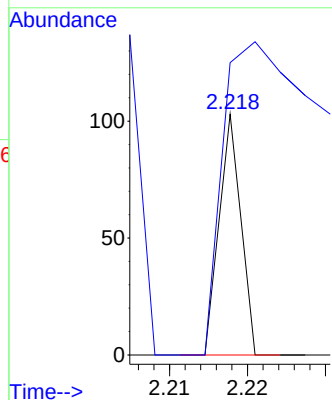
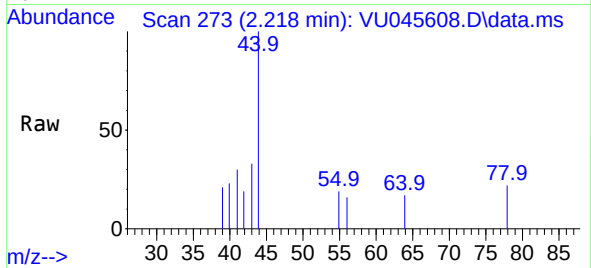




#13
Acrolein
Concen: 0.317 ug/l
RT: 2.218 min Scan# 21
Delta R.T. -0.270 min
Lab File: VU045608.D
Acq: 08 Nov 2021 12:28

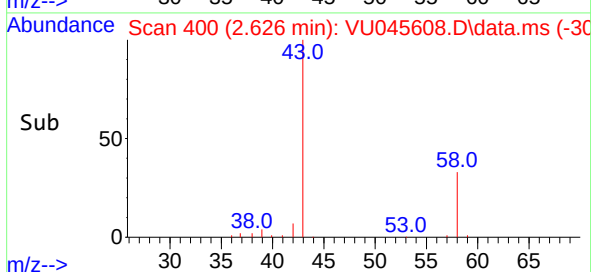
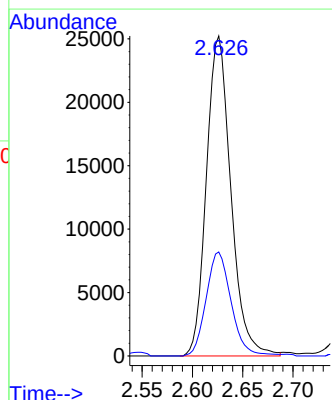
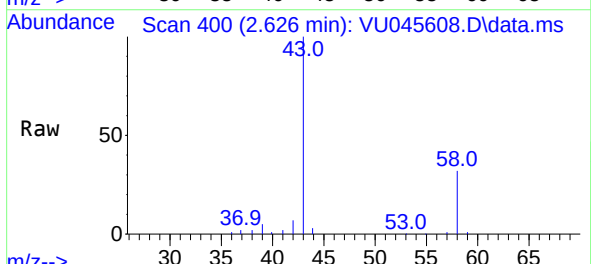
Instrument :
MSVOA_U
ClientSampleId :

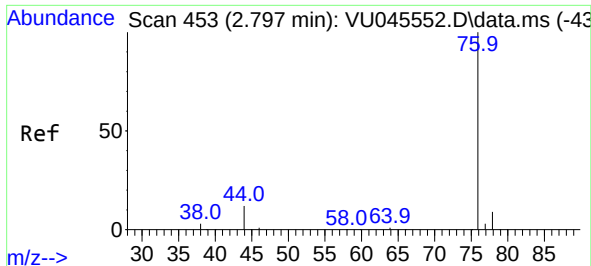
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 575.0 56.3 84.5#



#16
Acetone
Concen: 38.180 ug/l
RT: 2.626 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU045608.D
Acq: 08 Nov 2021 12:28

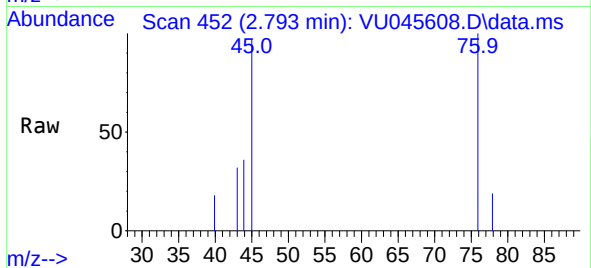
Tgt Ion: 43 Resp: 42787
Ion Ratio Lower Upper
43 100
58 32.5 26.2 39.2



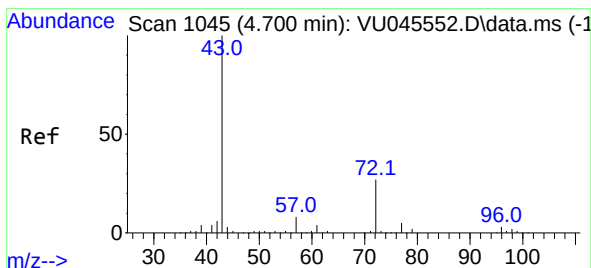
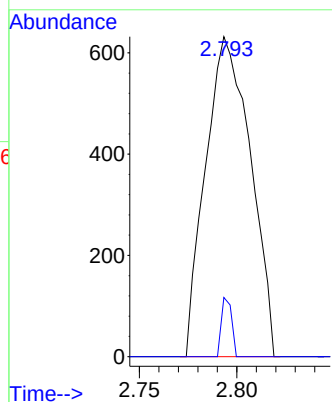
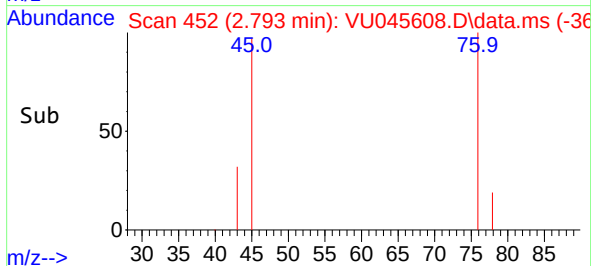


#17
Carbon Disulfide
Concen: 0.223 ug/l
RT: 2.793 min Scan# 41
Delta R.T. -0.003 min
Lab File: VU045608.D
Acq: 08 Nov 2021 12:28

Instrument :
MSVOA_U
ClientSampleId :

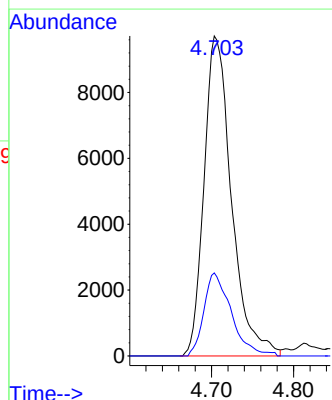
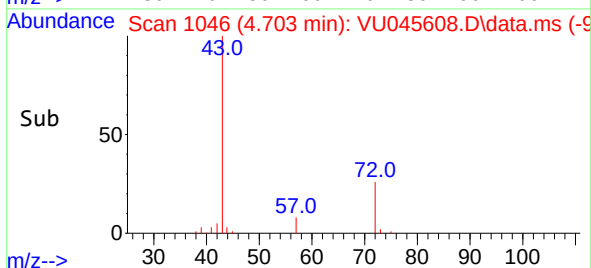
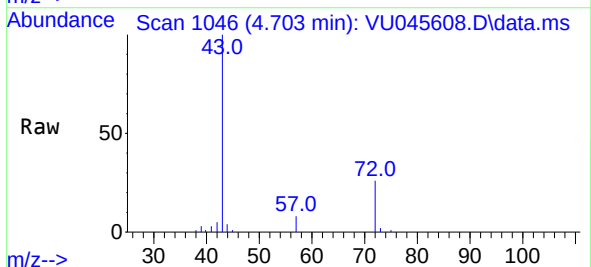


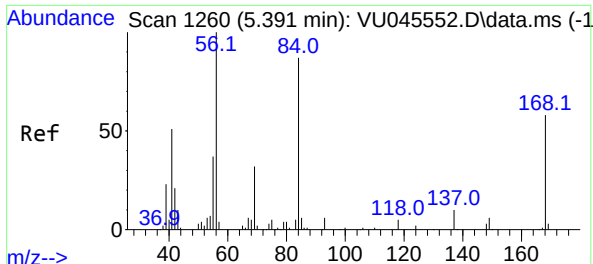
Tgt Ion: 76 Resp: 1012
Ion Ratio Lower Upper
76 100
78 18.5 7.3 10.9#



#25
2-Butanone
Concen: 14.527 ug/l
RT: 4.703 min Scan# 1046
Delta R.T. 0.003 min
Lab File: VU045608.D
Acq: 08 Nov 2021 12:28

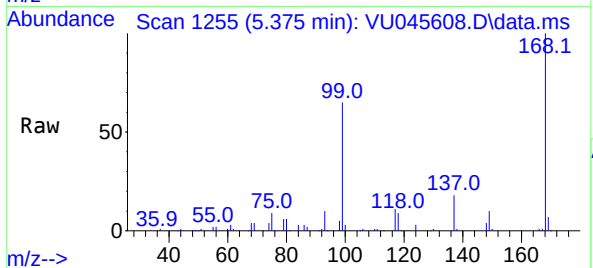
Tgt Ion: 43 Resp: 22580
Ion Ratio Lower Upper
43 100
72 25.9 22.0 33.0



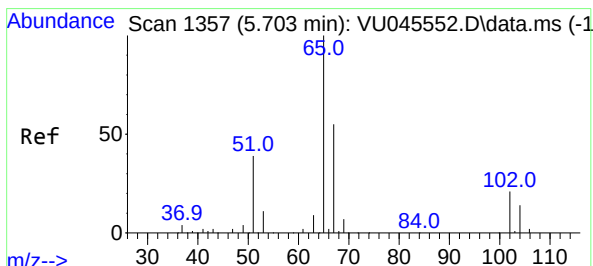
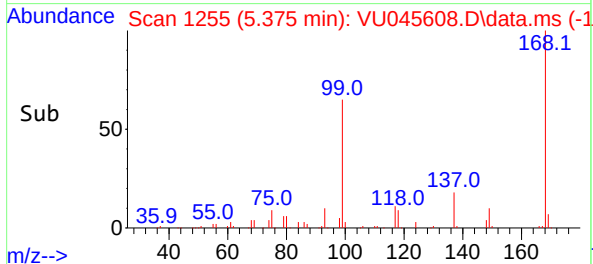
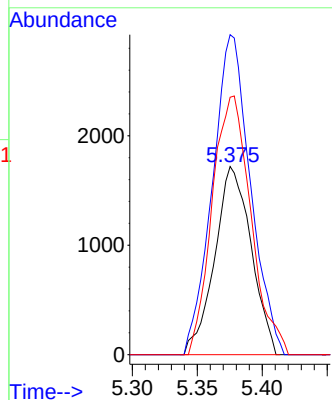


#31
Cyclohexane
Concen: 1.042 ug/l
RT: 5.375 min Scan# 11
Delta R.T. -0.016 min
Lab File: VU045608.D
Acq: 08 Nov 2021 12:28

Instrument :
MSVOA_U
ClientSampleId :

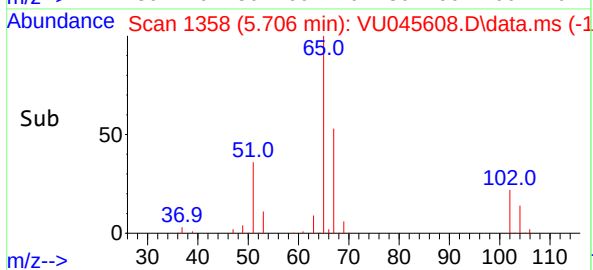
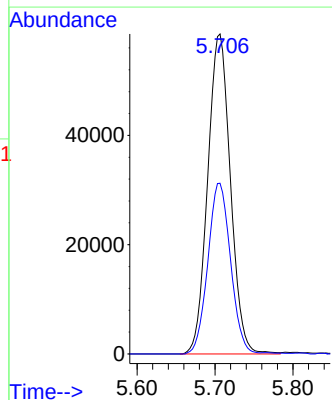
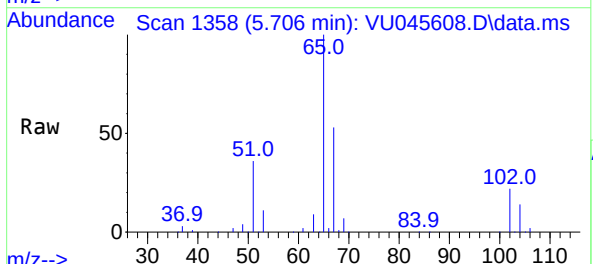


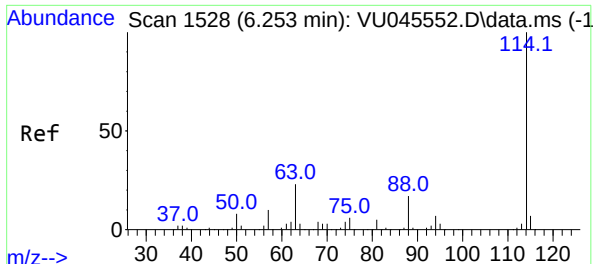
Tgt Ion: 56 Resp: 3347
Ion Ratio Lower Upper
56 100
69 170.1 26.4 39.6#
84 136.8 68.4 102.6#



#33
1,2-Dichloroethane-d4
Concen: 53.939 ug/l
RT: 5.706 min Scan# 1358
Delta R.T. 0.003 min
Lab File: VU045608.D
Acq: 08 Nov 2021 12:28

Tgt Ion: 65 Resp: 118745
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU045608.D

Acq: 08 Nov 2021 12:28

Instrument :

MSVOA_U

ClientSampleId :

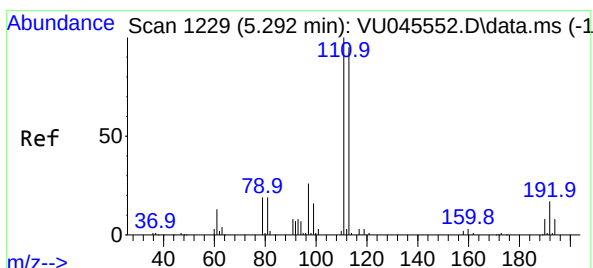
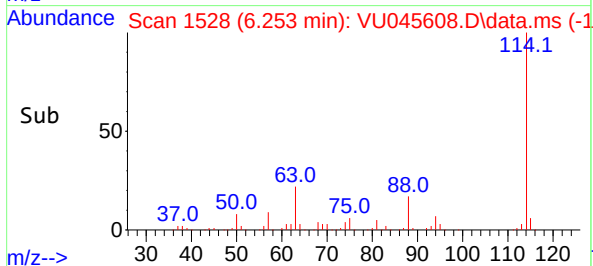
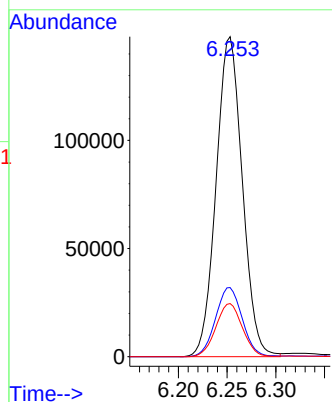
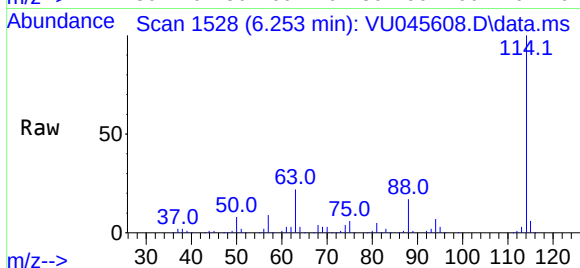
Tgt Ion:114 Resp: 276908

Ion Ratio Lower Upper

114 100

63 21.6 0.0 45.6

88 16.6 0.0 33.8



#35

Dibromofluoromethane

Concen: 48.940 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VU045608.D

Acq: 08 Nov 2021 12:28

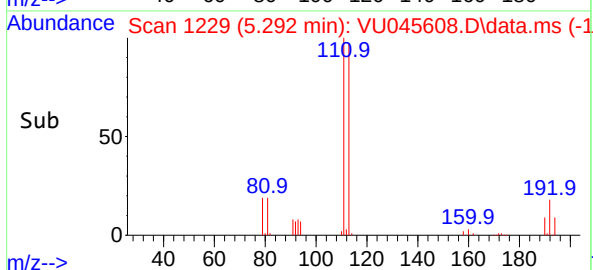
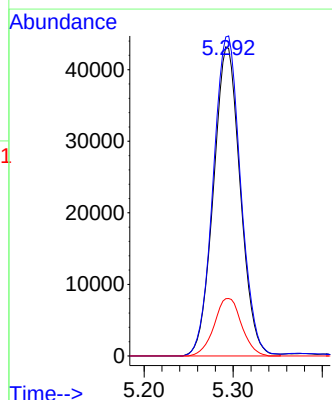
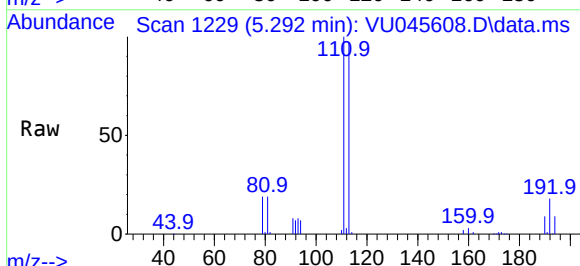
Tgt Ion:113 Resp: 90479

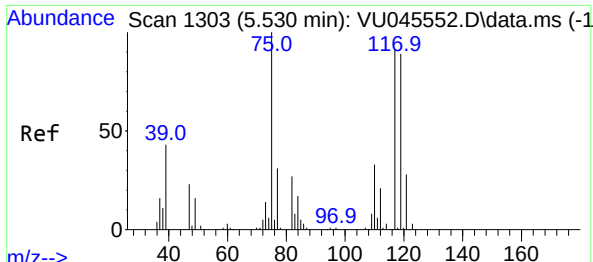
Ion Ratio Lower Upper

113 100

111 105.7 82.8 124.2

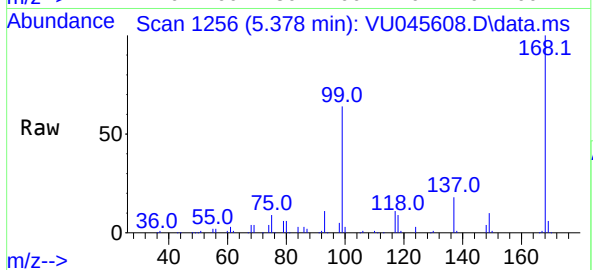
192 19.0 14.8 22.2



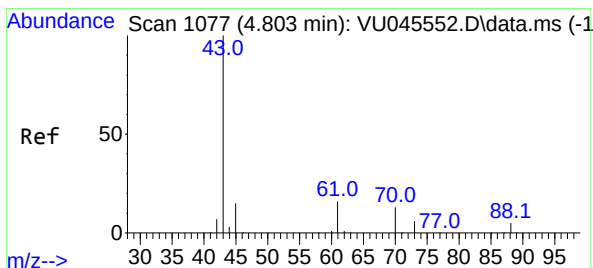
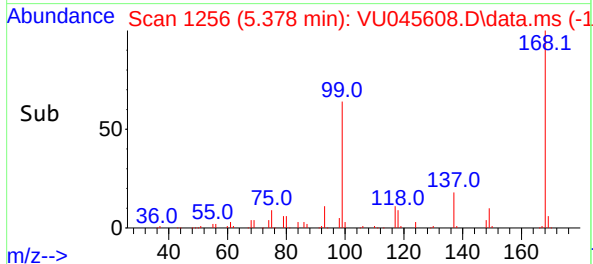
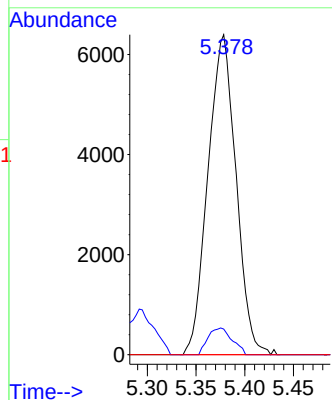


#36
1,1-Dichloropropene
Concen: 4.752 ug/l
RT: 5.378 min Scan# 11
Delta R.T. -0.151 min
Lab File: VU045608.D
Acq: 08 Nov 2021 12:28

Instrument :
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ClientSampleId :

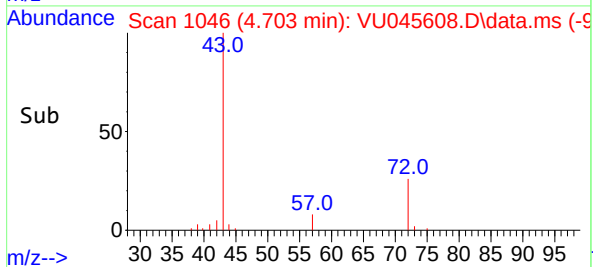
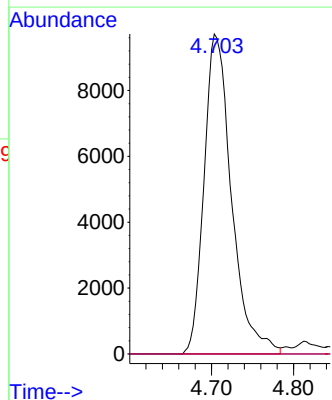
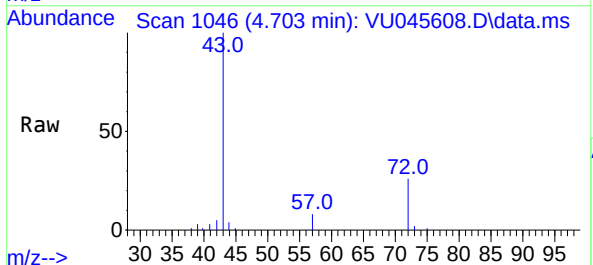


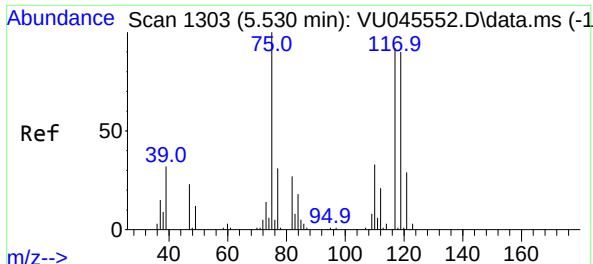
Tgt Ion: 75 Resp: 12830
Ion Ratio Lower Upper
75 100
110 7.1 16.7 50.0#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 7.280 ug/l
RT: 4.703 min Scan# 1046
Delta R.T. -0.100 min
Lab File: VU045608.D
Acq: 08 Nov 2021 12:28

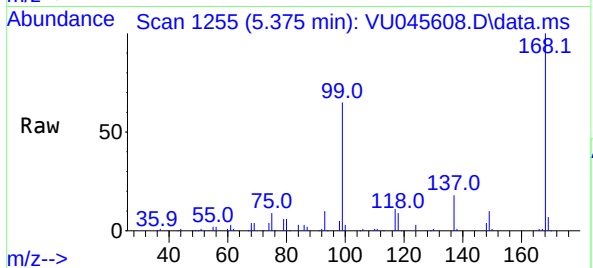
Tgt Ion: 43 Resp: 22580
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 9.1 13.7#



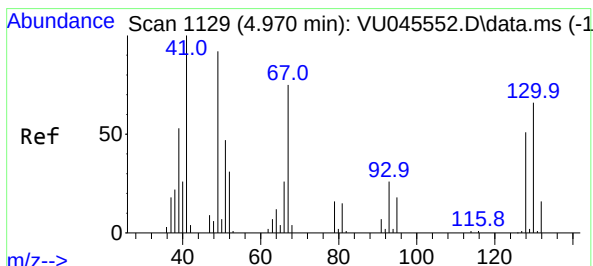
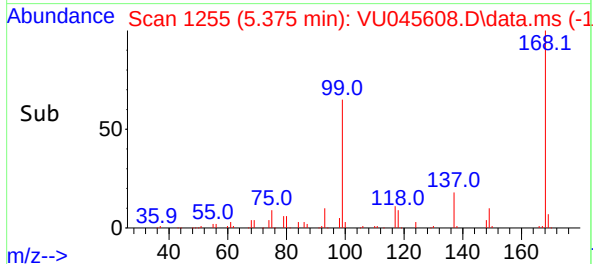
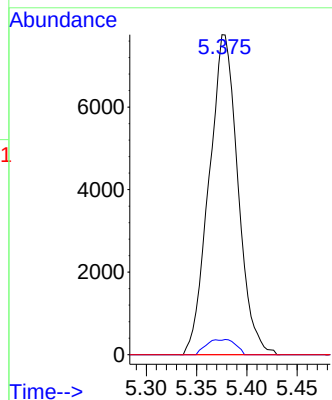


#38
Carbon Tetrachloride
Concen: 5.688 ug/l
RT: 5.375 min Scan# 11
Delta R.T. -0.154 min
Lab File: VU045608.D
Acq: 08 Nov 2021 12:28

Instrument :
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ClientSampleId :

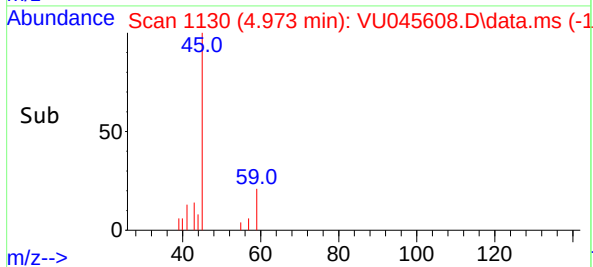
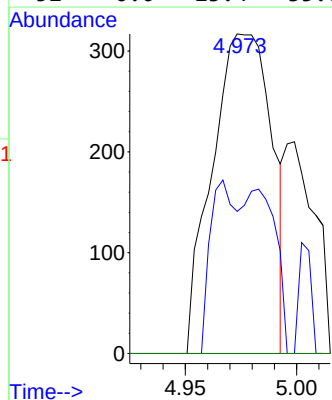
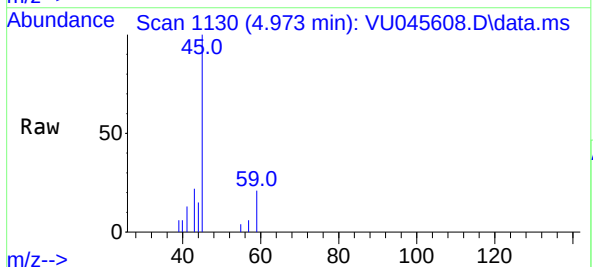


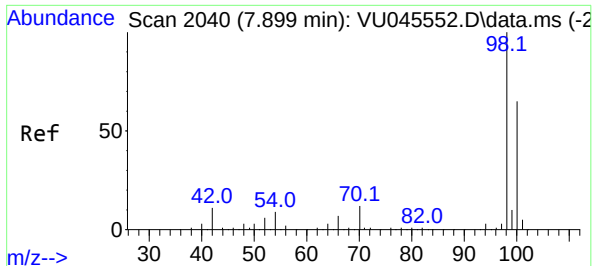
Tgt Ion:117 Resp: 15483
Ion Ratio Lower Upper
117 100
119 4.5 77.4 116.0#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 0.361 ug/l
RT: 4.973 min Scan# 1130
Delta R.T. 0.003 min
Lab File: VU045608.D
Acq: 08 Nov 2021 12:28

Tgt Ion: 41 Resp: 591
Ion Ratio Lower Upper
41 100
39 23.9 43.4 65.0#
67 0.0 61.0 91.4#
52 0.0 23.4 35.0#

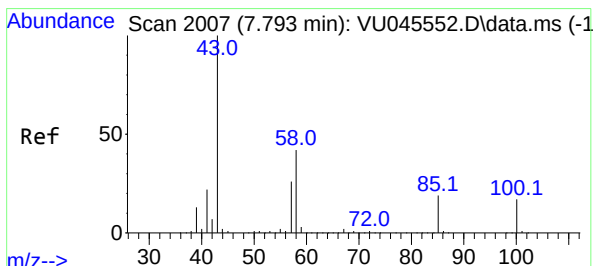
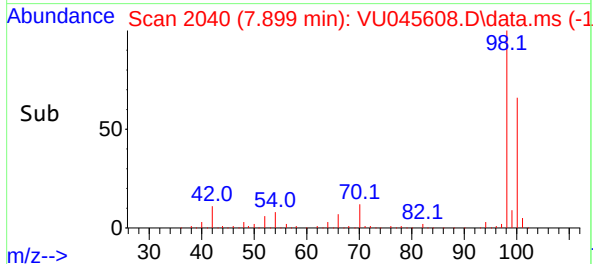
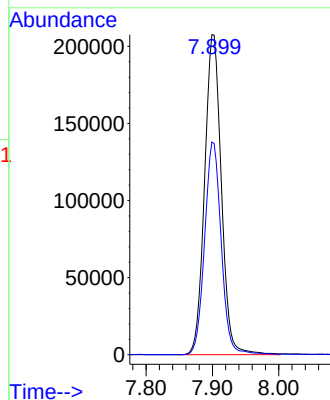
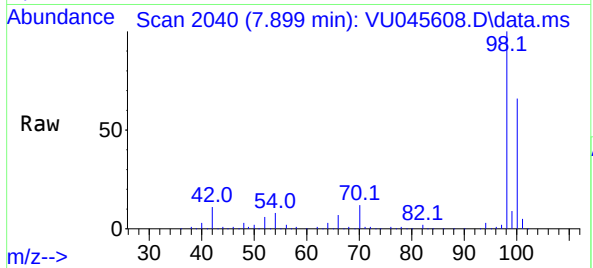




#50
Toluene-d8
Concen: 52.992 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU045608.D
Acq: 08 Nov 2021 12:28

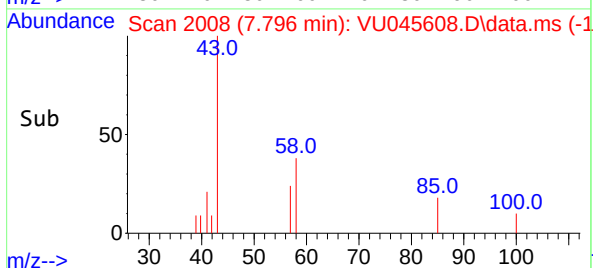
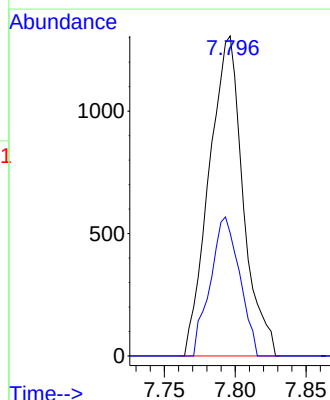
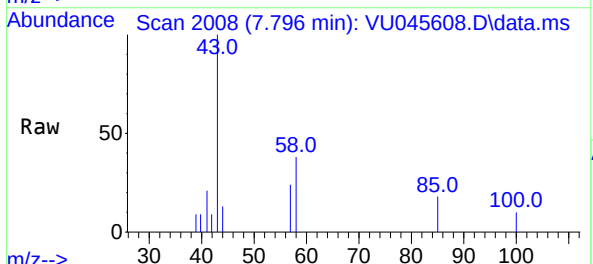
Instrument :
MSVOA_U
ClientSampleId :

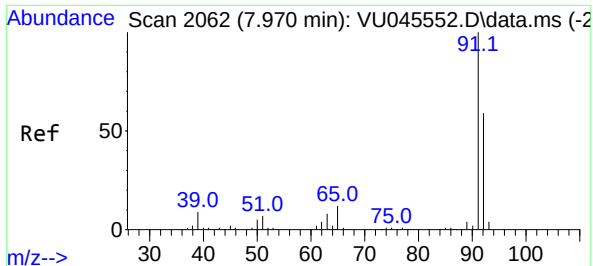
Tgt Ion: 98 Resp: 364300
Ion Ratio Lower Upper
98 100
100 65.8 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.696 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. 0.003 min
Lab File: VU045608.D
Acq: 08 Nov 2021 12:28

Tgt Ion: 43 Resp: 2178
Ion Ratio Lower Upper
43 100
58 37.3 33.8 50.8

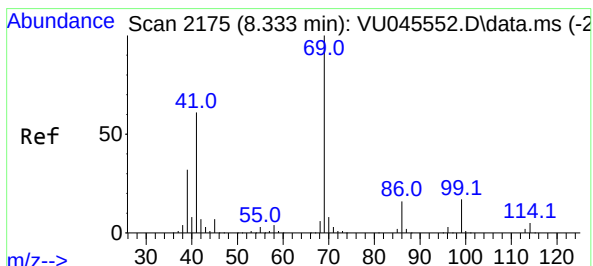
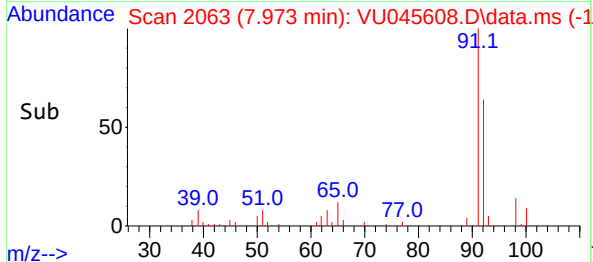
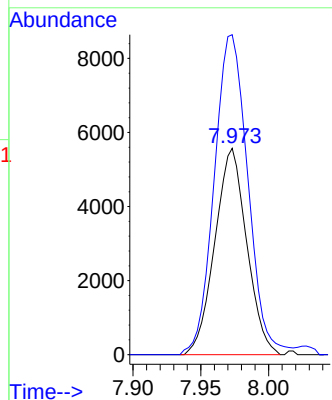
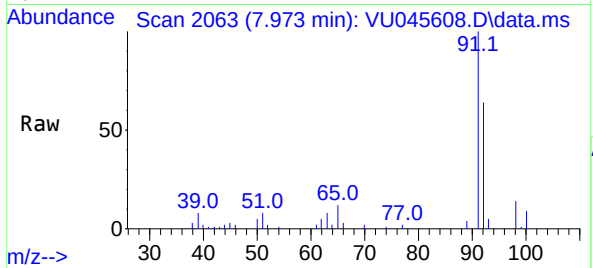




#52
Toluene
Concen: 1.864 ug/l
RT: 7.973 min Scan# 2062
Delta R.T. 0.003 min
Lab File: VU045608.D
Acq: 08 Nov 2021 12:28

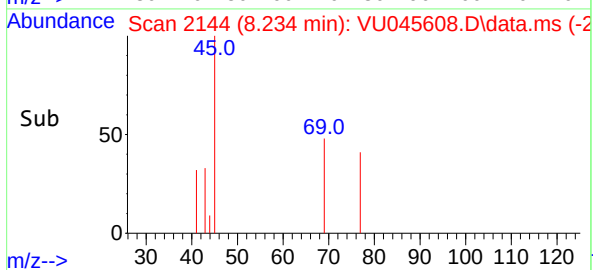
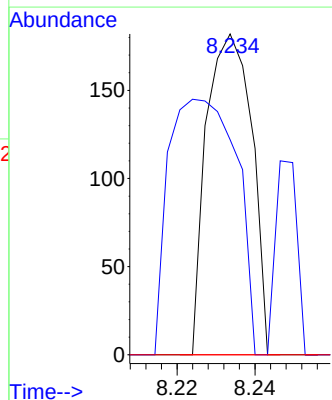
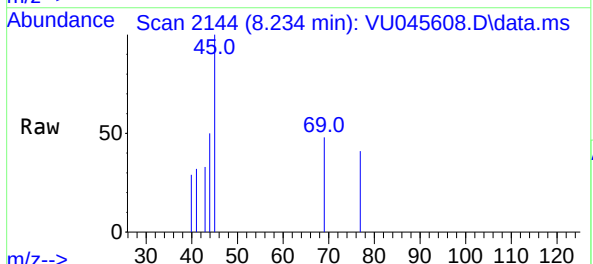
Instrument :
MSVOA_U
ClientSampleId :

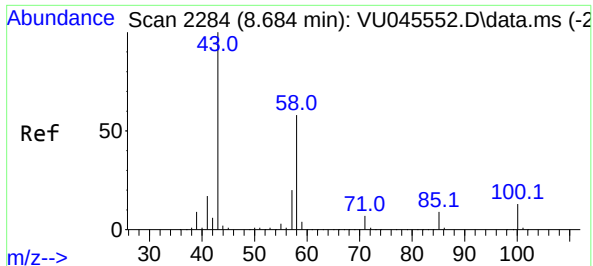
Tgt Ion: 92 Resp: 9123
Ion Ratio Lower Upper
92 100
91 163.6 135.6 203.4



#56
Ethyl methacrylate
Concen: 2.462 ug/l
RT: 8.234 min Scan# 2144
Delta R.T. -0.099 min
Lab File: VU045608.D
Acq: 08 Nov 2021 12:28

Tgt Ion: 69 Resp: 147
Ion Ratio Lower Upper
69 100
41 119.0 51.0 76.4#
39 0.0 26.6 39.8#





#59

2-Hexanone

Concen: 7.826 ug/l

RT: 8.687 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU045608.D

Acq: 08 Nov 2021 12:28

Instrument :

MSVOA_U

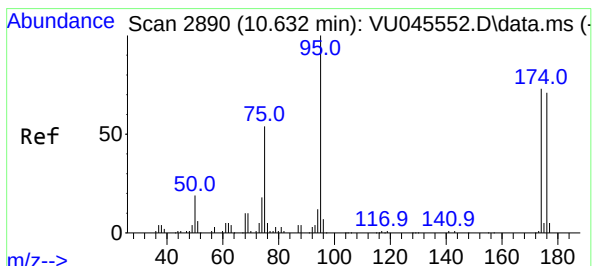
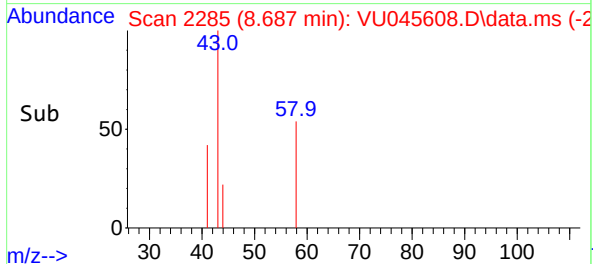
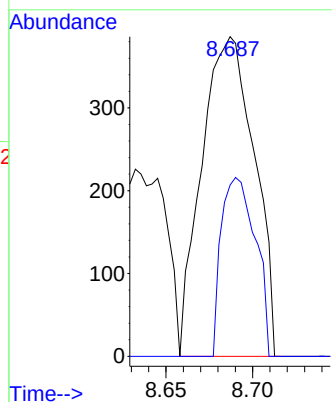
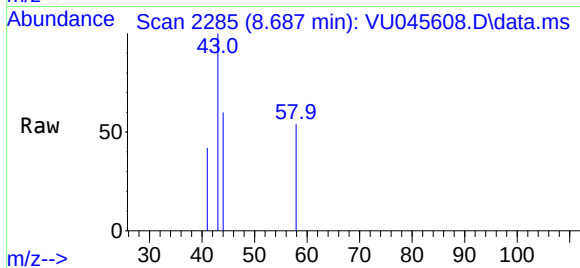
ClientSampleId :

Tgt Ion: 43 Resp: 816

Ion Ratio Lower Upper

43 100

58 36.3 29.5 88.6



#62

4-Bromofluorobenzene

Concen: 51.785 ug/l

RT: 10.635 min Scan# 2891

Delta R.T. 0.003 min

Lab File: VU045608.D

Acq: 08 Nov 2021 12:28

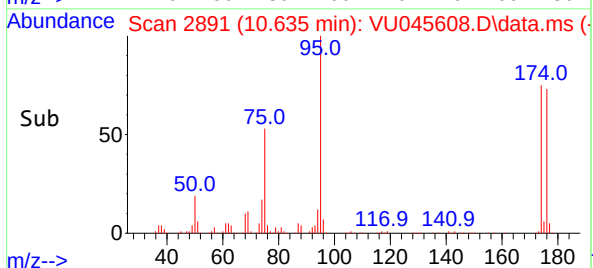
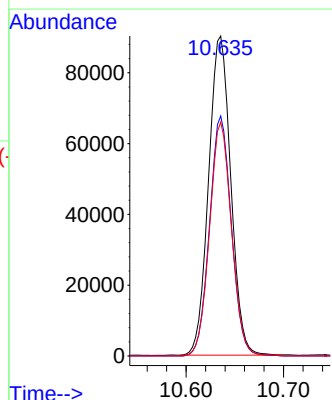
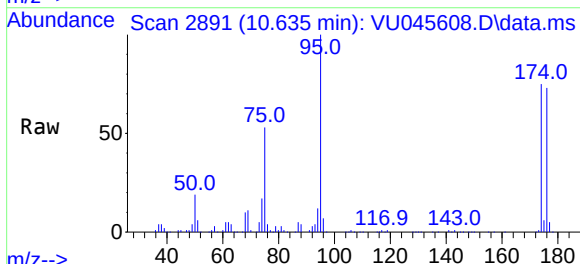
Tgt Ion: 95 Resp: 142756

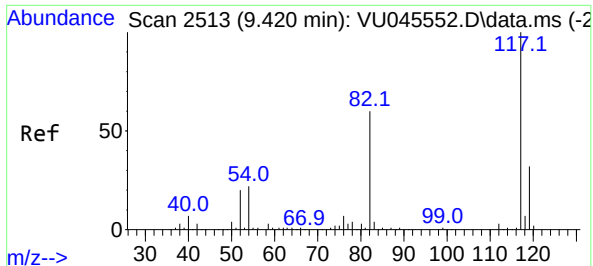
Ion Ratio Lower Upper

95 100

174 74.0 0.0 141.8

176 72.2 0.0 138.2

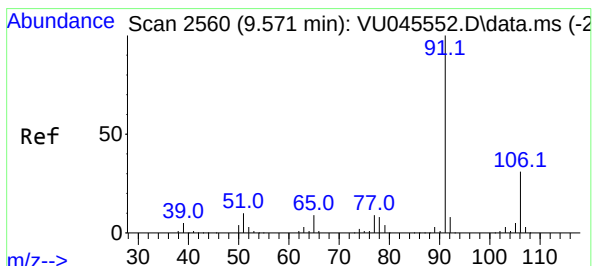
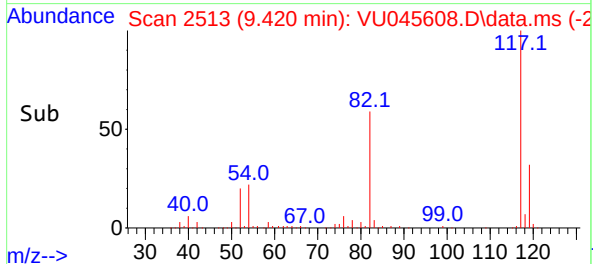
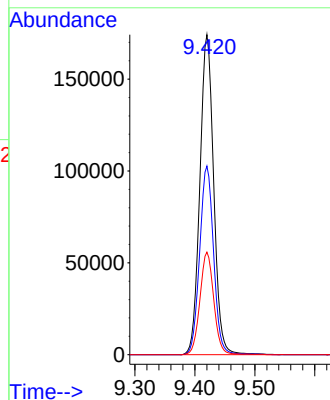
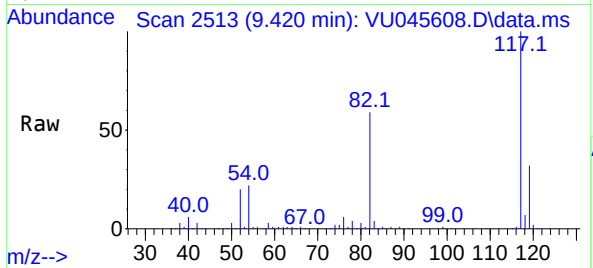




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU045608.D
Acq: 08 Nov 2021 12:28

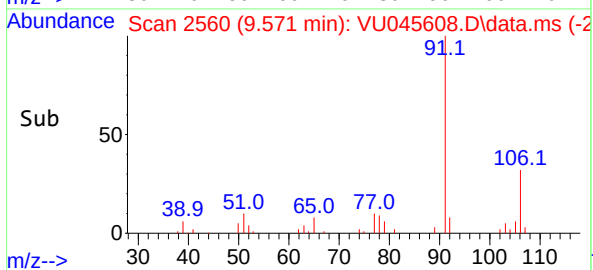
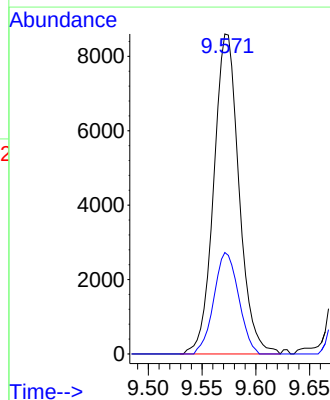
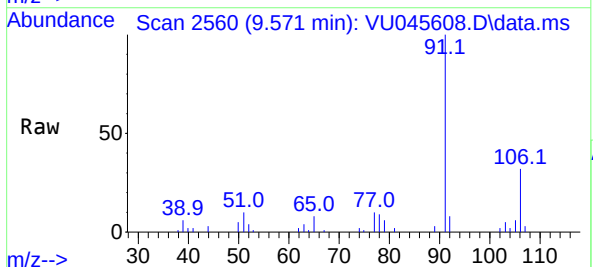
Instrument :
MSVOA_U
ClientSampleId :

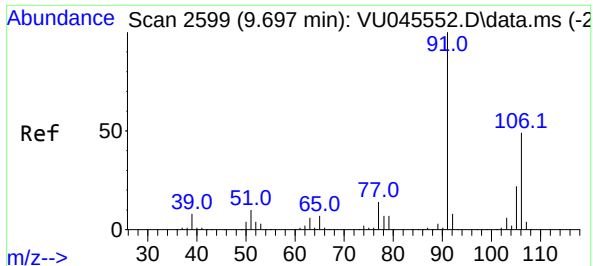
Tgt Ion:117 Resp: 280241
Ion Ratio Lower Upper
117 100
82 58.9 47.8 71.8
119 32.0 25.8 38.8



#67
Ethyl Benzene
Concen: 1.425 ug/l
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU045608.D
Acq: 08 Nov 2021 12:28

Tgt Ion: 91 Resp: 14047
Ion Ratio Lower Upper
91 100
106 31.7 24.6 36.8

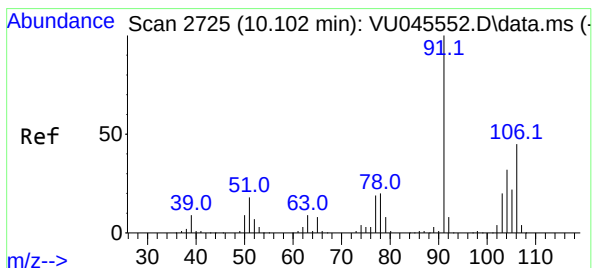
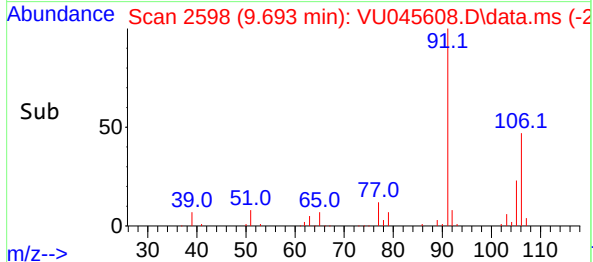
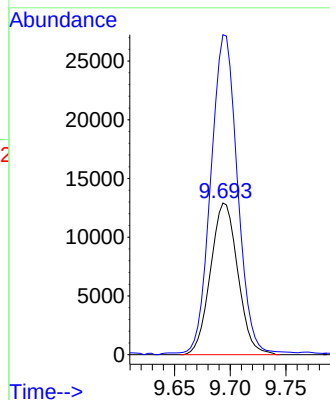
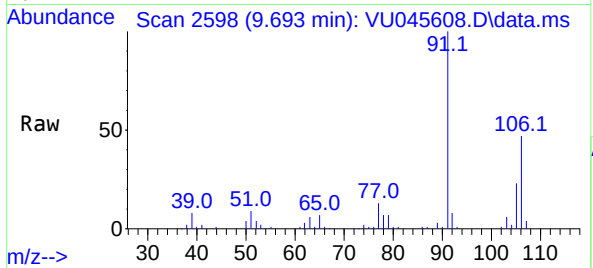




#68
m/p-Xylenes
Concen: 5.921 ug/l
RT: 9.693 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU045608.D
Acq: 08 Nov 2021 12:28

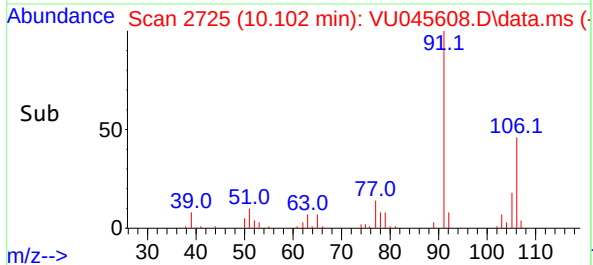
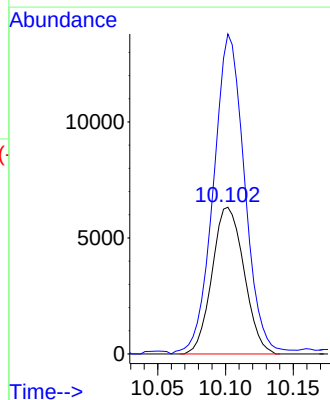
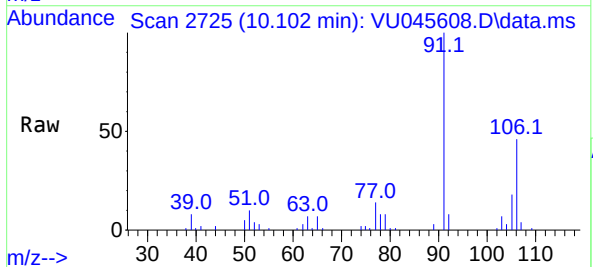
Instrument :
MSVOA_U
ClientSampleId :

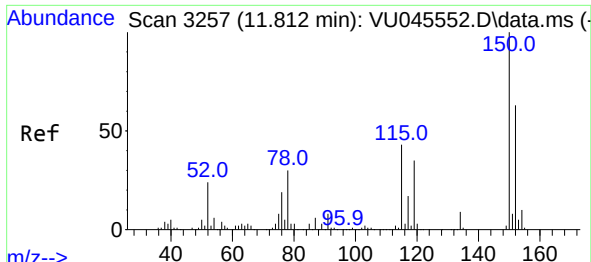
Tgt Ion:106 Resp: 22013
Ion Ratio Lower Upper
106 100
91 208.2 164.7 247.1



#69
o-Xylene
Concen: 2.864 ug/l
RT: 10.102 min Scan# 2725
Delta R.T. -0.000 min
Lab File: VU045608.D
Acq: 08 Nov 2021 12:28

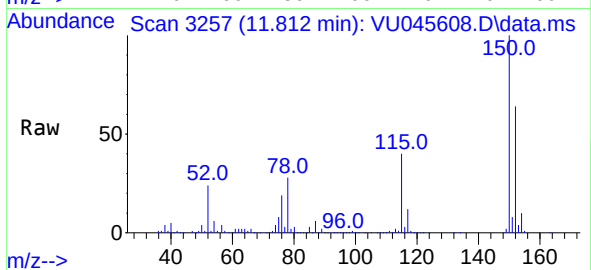
Tgt Ion:106 Resp: 10352
Ion Ratio Lower Upper
106 100
91 214.0 108.7 326.3



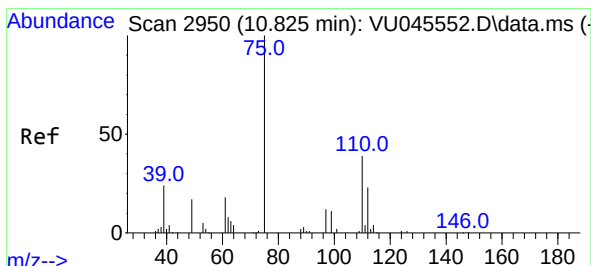
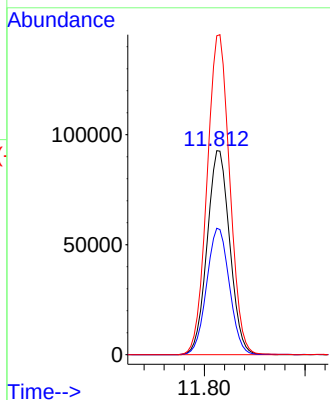
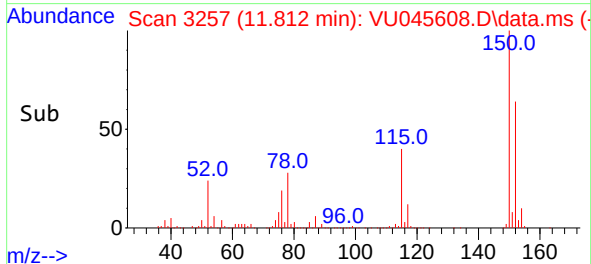


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU045608.D
 Acq: 08 Nov 2021 12:28

Instrument :
 MSVOA_U
 ClientSampleId :

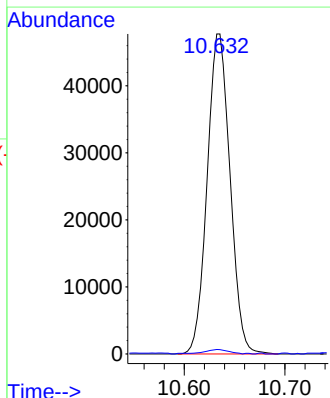
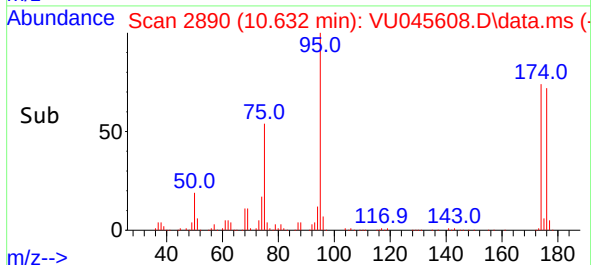
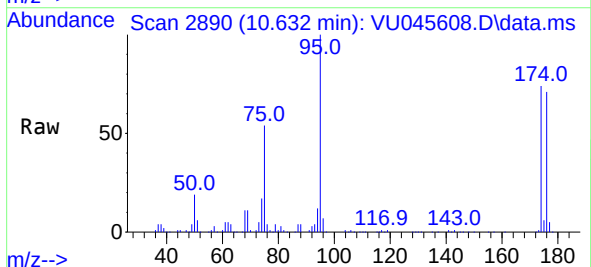


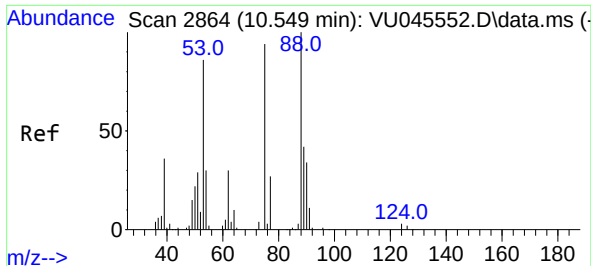
Tgt Ion:152 Resp: 144788
 Ion Ratio Lower Upper
 152 100
 115 62.5 42.7 128.1
 150 157.3 0.0 346.8



#76
 1,2,3-Trichloropropane
 Concen: 17.178 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.193 min
 Lab File: VU045608.D
 Acq: 08 Nov 2021 12:28

Tgt Ion: 75 Resp: 75427
 Ion Ratio Lower Upper
 75 100
 77 1.4 17.1 51.3#

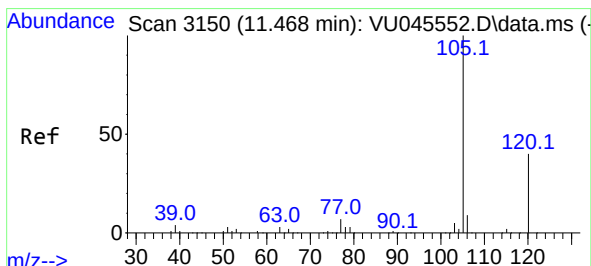
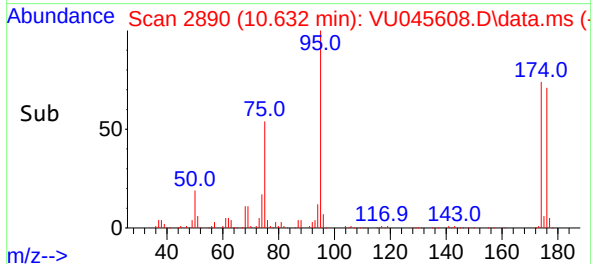
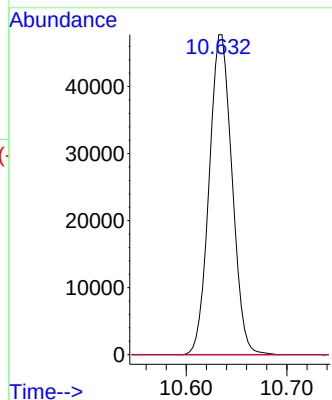
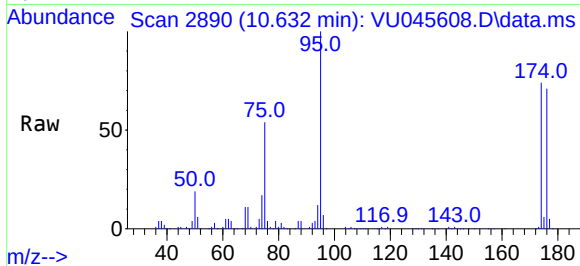




#81
trans-1,4-Dichloro-2-butene
Concen: 55.900 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.083 min
Lab File: VU045608.D
Acq: 08 Nov 2021 12:28

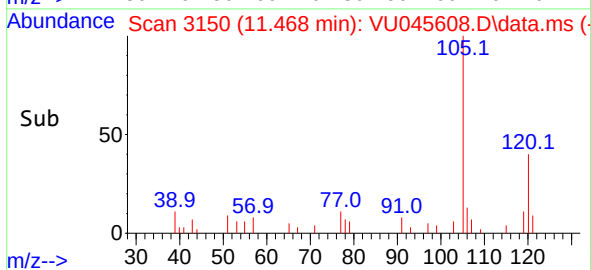
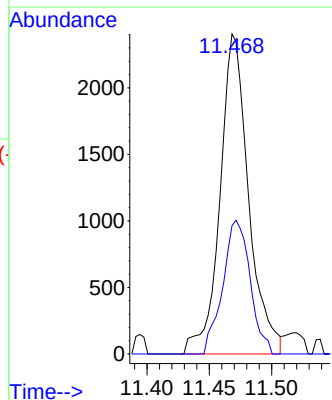
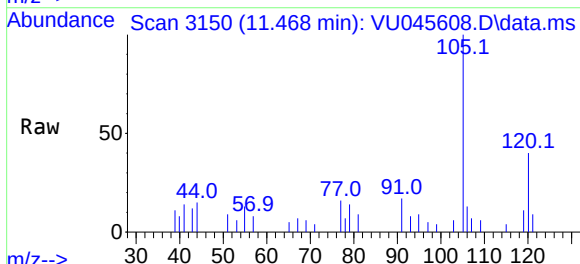
Instrument :
MSVOA_U
ClientSampleId :

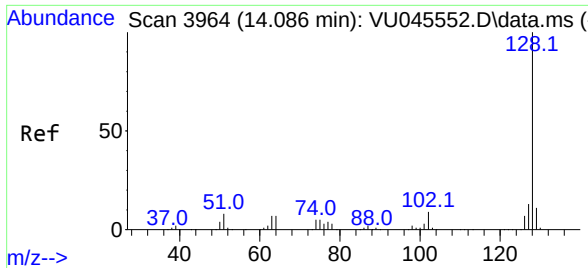
Tgt Ion: 75 Resp: 75427
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#



#84
1,2,4-Trimethylbenzene
Concen: 0.468 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VU045608.D
Acq: 08 Nov 2021 12:28

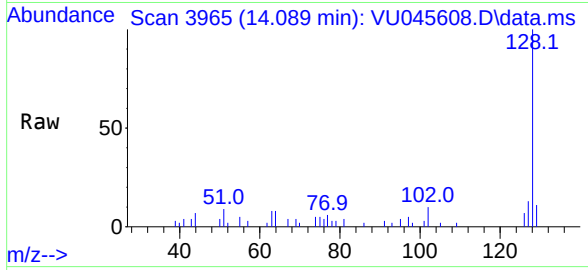
Tgt Ion: 105 Resp: 3841
Ion Ratio Lower Upper
105 100
120 40.0 22.2 66.6





#95
Naphthalene
Concen: 1.879 ug/l
RT: 14.089 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU045608.D
Acq: 08 Nov 2021 12:28

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	128	Resp:	10170
Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.6	15.8
129	11.9	8.6	13.0

