

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110821\
 Data File : VU045622.D
 Acq On : 08 Nov 2021 17:50
 Operator : SY/MD
 Sample : M4485-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 AG-3

Quant Time: Nov 09 10:00:10 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)

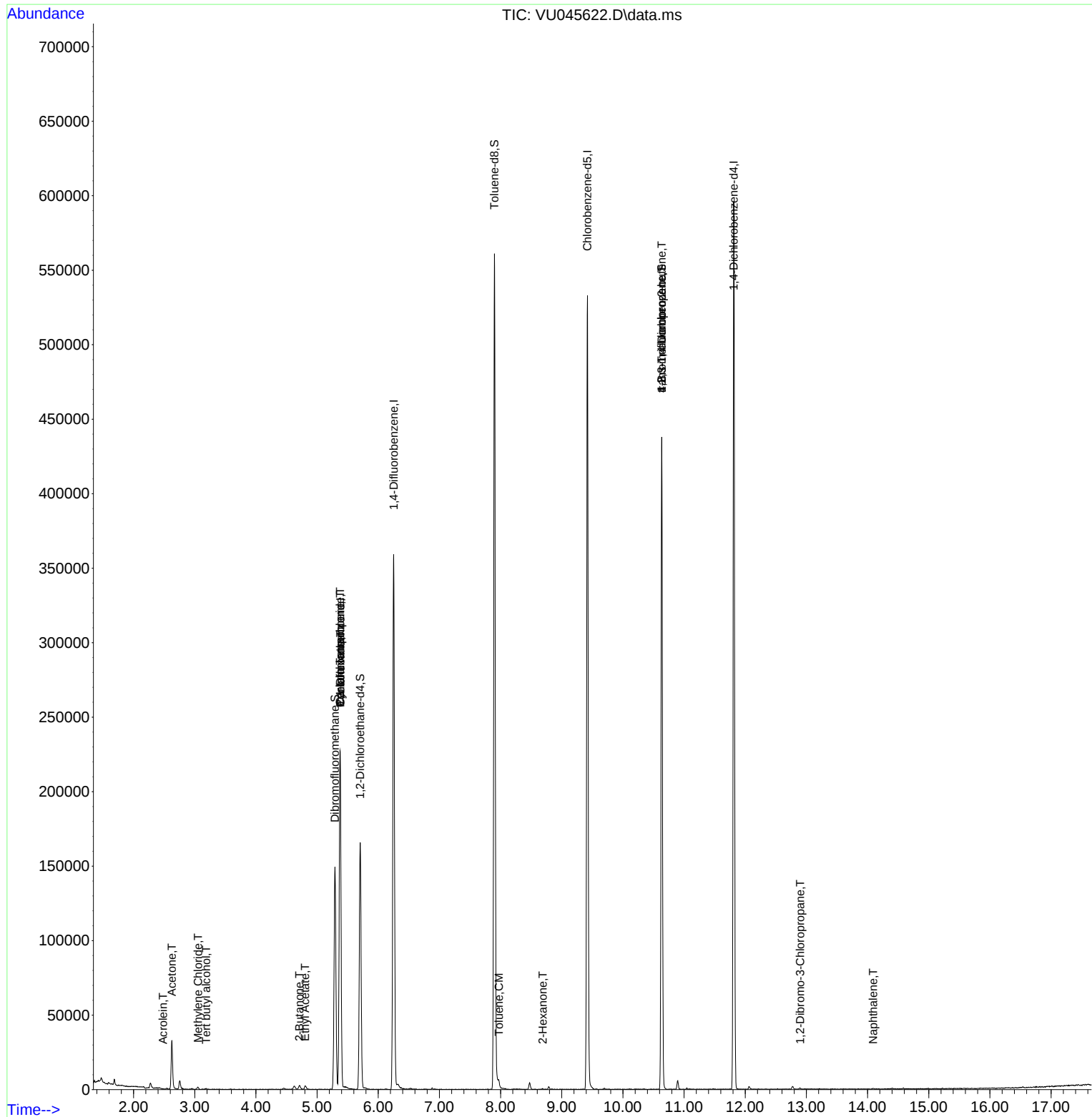
Internal Standards						
1) Pentafluorobenzene	5.379	168	152052	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	286292	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	290430	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	150013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	123311	54.151	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.300%			
35) Dibromofluoromethane	5.292	113	96584	50.530	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.060%			
50) Toluene-d8	7.899	98	373972	52.616	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.240%			
62) 4-Bromofluorobenzene	10.636	95	144732	50.781	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.560%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	3.189	59	366	0.812	ug/l #	72
13) Acrolein	2.482	56	39	0.597	ug/l #	14
16) Acetone	2.626	43	35336	30.484	ug/l	99
20) Methylene Chloride	3.054	84	744	0.369	ug/l	84
25) 2-Butanone	4.710	43	3993	2.484	ug/l #	86
31) Cyclohexane	5.379	56	3457	1.040	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	13182	4.722	ug/l #	50
37) Ethyl Acetate	4.806	43	3880	1.210	ug/l #	88
38) Carbon Tetrachloride	5.375	117	16040	5.699	ug/l #	15
52) Toluene	7.973	92	1579	0.312	ug/l	98
59) 2-Hexanone	8.690	43	369	7.662	ug/l	78
76) 1,2,3-Trichloropropane	10.636	75	77033	16.933	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.636	75	77033	55.144	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	12.899	75	224	0.244	ug/l #	6
95) Naphthalene	14.092	128	384	1.060	ug/l #	69

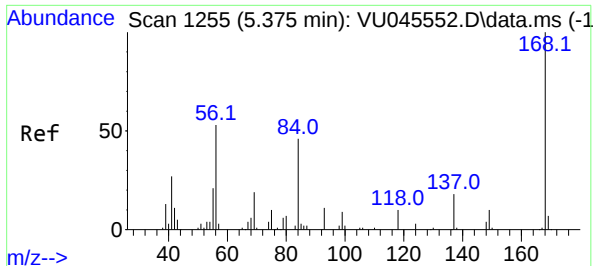
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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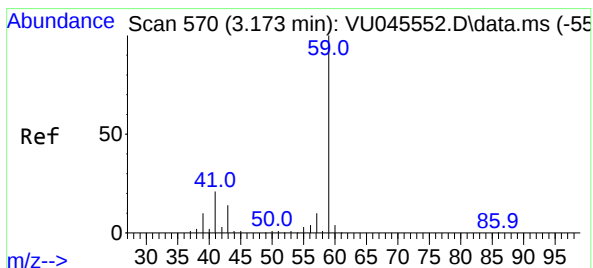
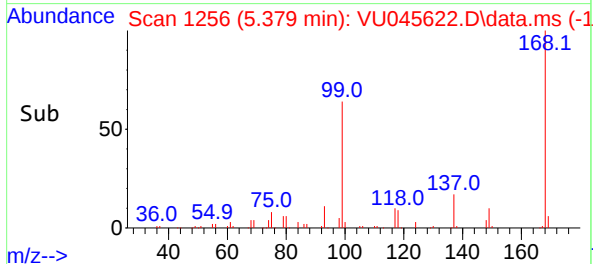
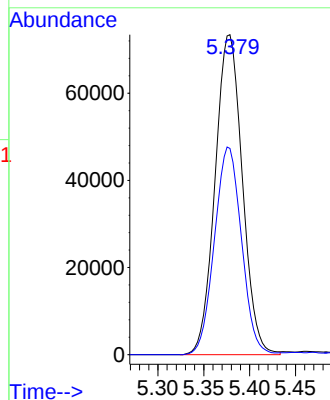
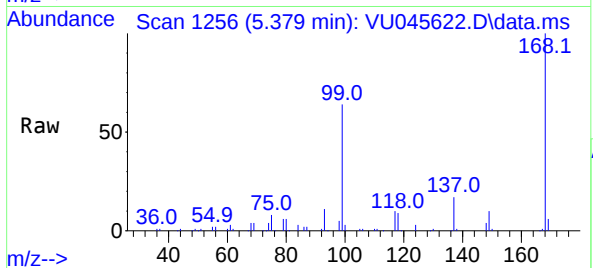




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 11
Delta R.T. 0.004 min
Lab File: VU045622.D
Acq: 08 Nov 2021 17:50

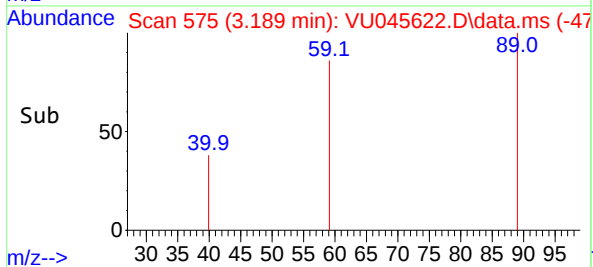
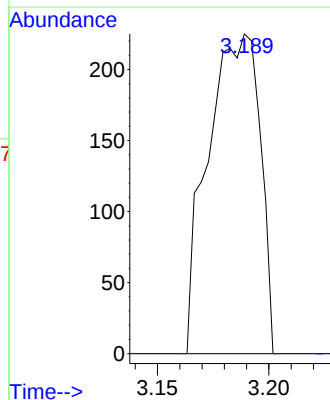
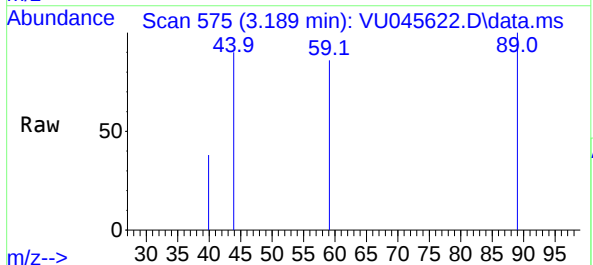
Instrument :
MSVOA_U
ClientSampleId :
AG-3

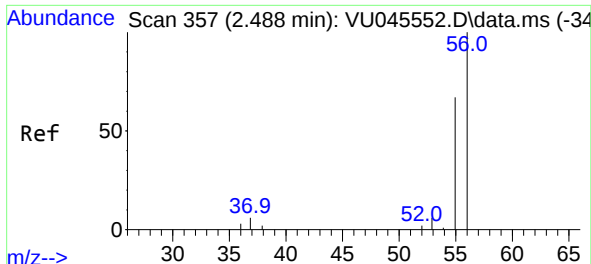
Tgt Ion:168 Resp: 152052
Ion Ratio Lower Upper
168 100
99 64.4 51.0 76.6



#11
Tert butyl alcohol
Concen: 0.812 ug/l
RT: 3.189 min Scan# 575
Delta R.T. 0.016 min
Lab File: VU045622.D
Acq: 08 Nov 2021 17:50

Tgt Ion: 59 Resp: 366
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

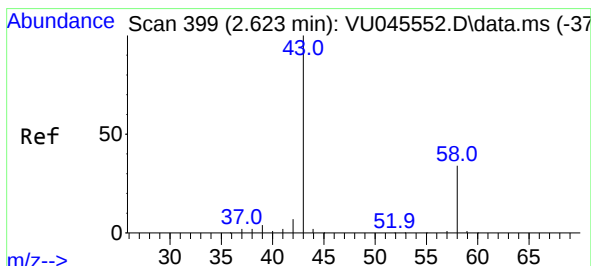
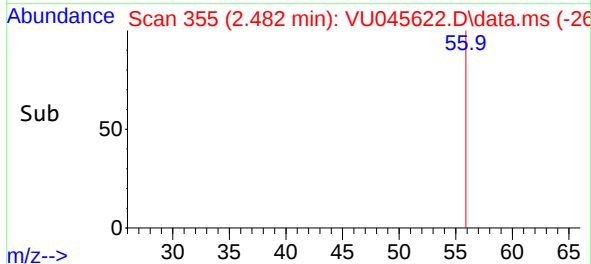
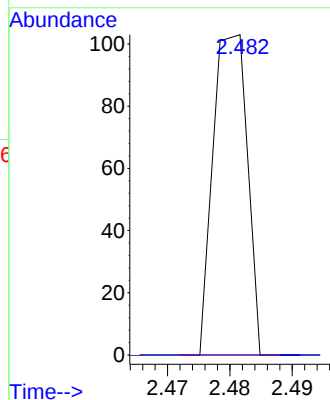
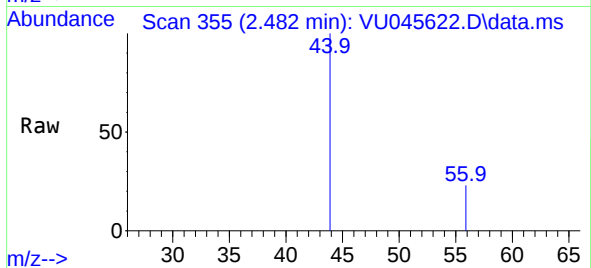




#13
Acrolein
Concen: 0.597 ug/l
RT: 2.482 min Scan# 31
Delta R.T. -0.006 min
Lab File: VU045622.D
Acq: 08 Nov 2021 17:50

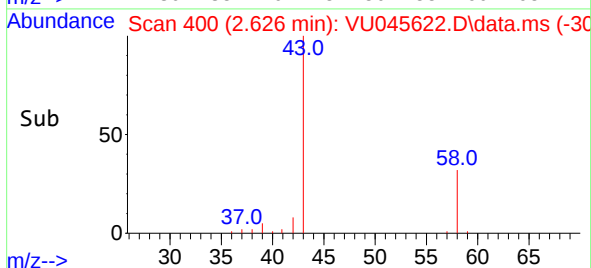
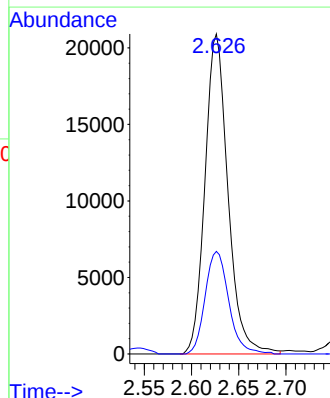
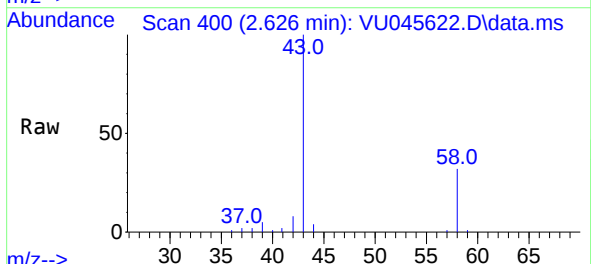
Instrument :
MSVOA_U
ClientSampleId :
AG-3

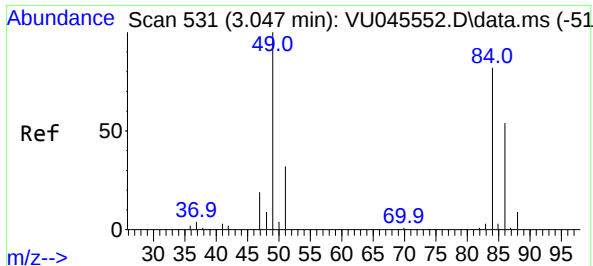
Tgt Ion: 56 Resp: 39
Ion Ratio Lower Upper
56 100
55 0.0 56.3 84.5#



#16
Acetone
Concen: 30.484 ug/l
RT: 2.626 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU045622.D
Acq: 08 Nov 2021 17:50

Tgt Ion: 43 Resp: 35336
Ion Ratio Lower Upper
43 100
58 32.0 26.2 39.2



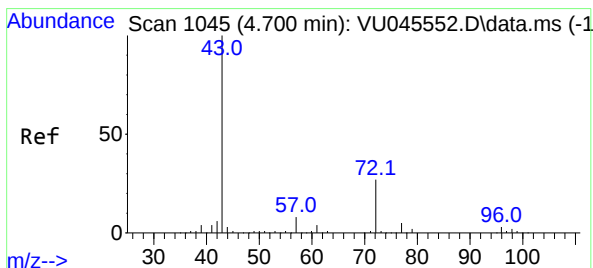
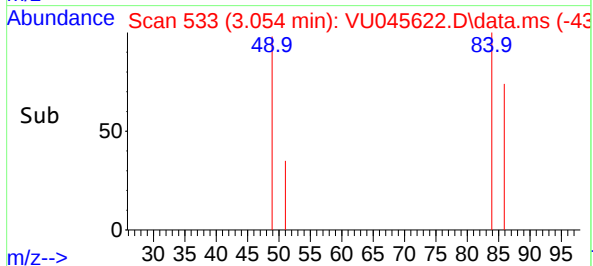
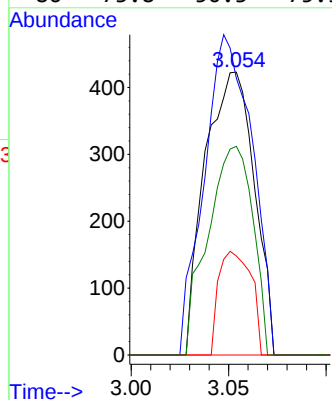
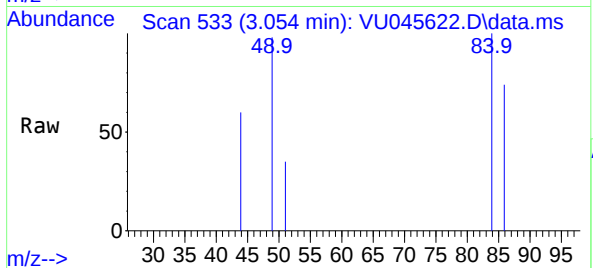


#20
Methylene Chloride
Concen: 0.369 ug/l
RT: 3.054 min Scan# 51
Delta R.T. 0.007 min
Lab File: VU045622.D
Acq: 08 Nov 2021 17:50

Instrument :
MSVOA_U
ClientSampleId :
AG-3

Tgt Ion: 84 Resp: 744

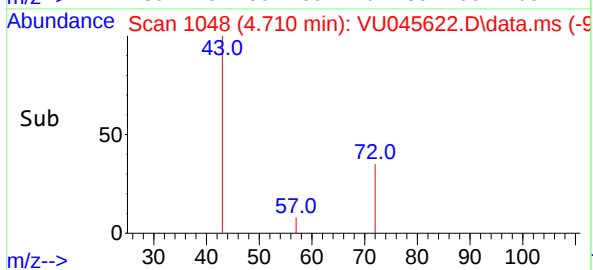
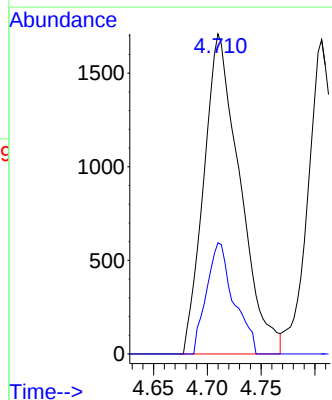
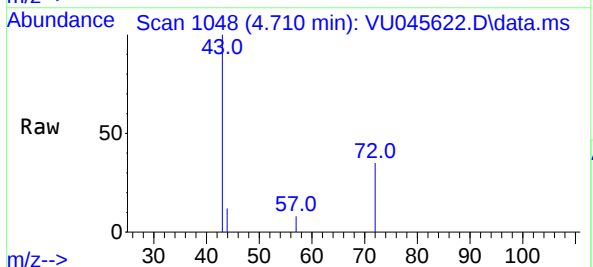
Ion	Ratio	Lower	Upper
84	100		
49	97.9	96.4	144.6
51	35.0	30.5	45.7
86	73.8	50.3	75.5

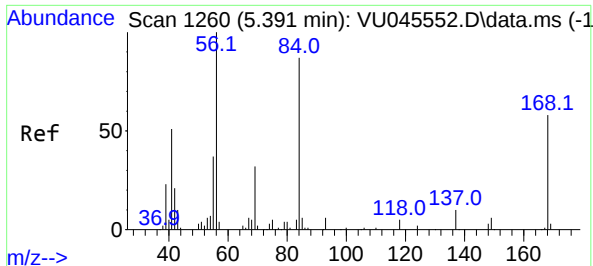


#25
2-Butanone
Concen: 2.484 ug/l
RT: 4.710 min Scan# 1048
Delta R.T. 0.010 min
Lab File: VU045622.D
Acq: 08 Nov 2021 17:50

Tgt Ion: 43 Resp: 3993

Ion	Ratio	Lower	Upper
43	100		
72	34.8	22.0	33.0#

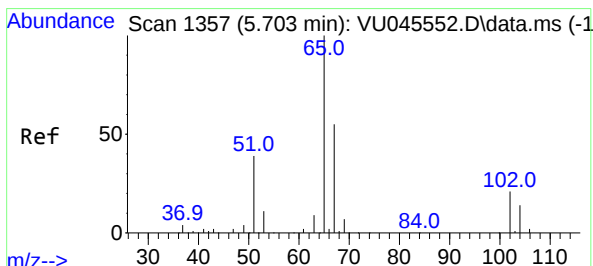
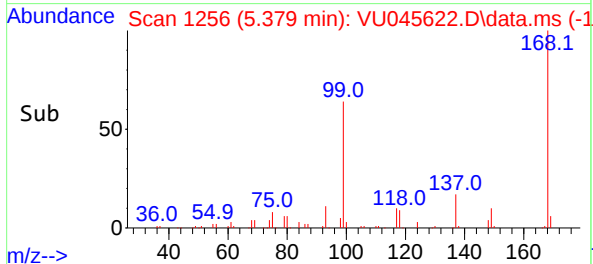
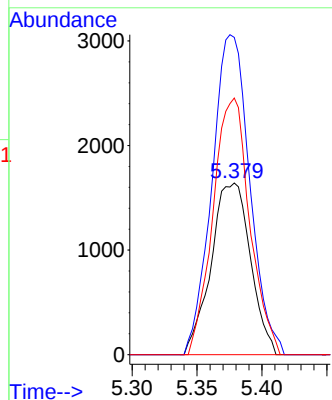
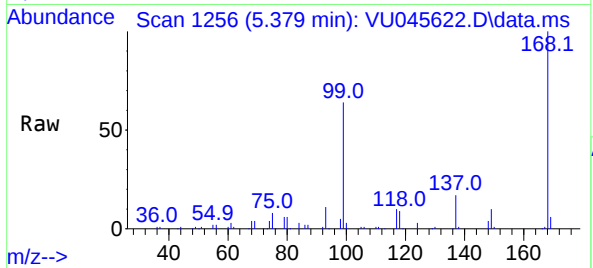




#31
Cyclohexane
Concen: 1.040 ug/l
RT: 5.379 min Scan# 1260
Delta R.T. -0.013 min
Lab File: VU045622.D
Acq: 08 Nov 2021 17:50

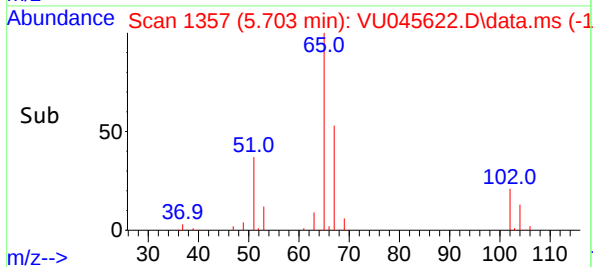
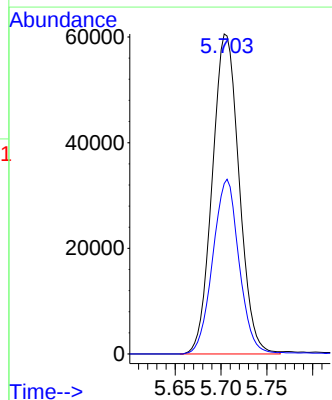
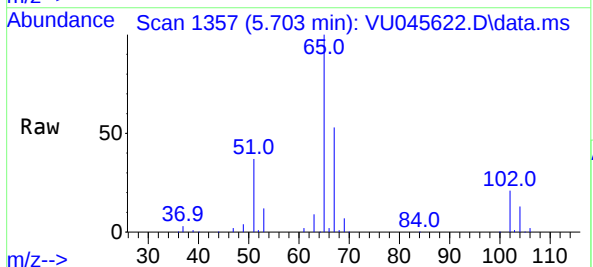
Instrument :
MSVOA_U
ClientSampleId :
AG-3

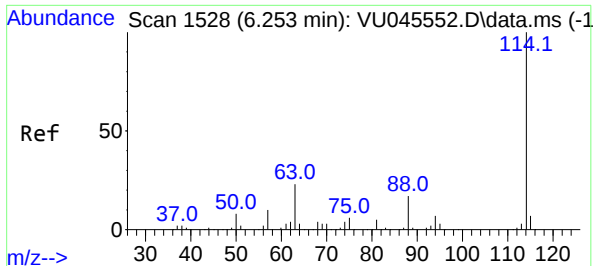
Tgt Ion: 56 Resp: 3457
Ion Ratio Lower Upper
56 100
69 184.9 26.4 39.6#
84 149.5 68.4 102.6#



#33
1,2-Dichloroethane-d4
Concen: 54.151 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. 0.000 min
Lab File: VU045622.D
Acq: 08 Nov 2021 17:50

Tgt Ion: 65 Resp: 123311
Ion Ratio Lower Upper
65 100
67 53.7 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: VU045622.D

Acq: 08 Nov 2021 17:50

Instrument :

MSVOA_U

ClientSampleId :

AG-3

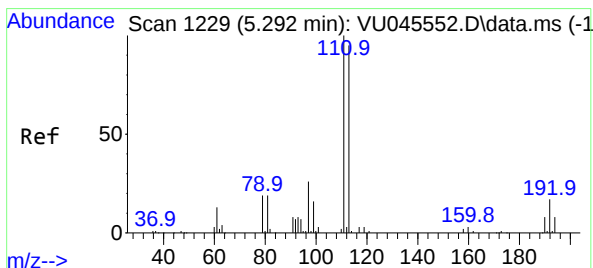
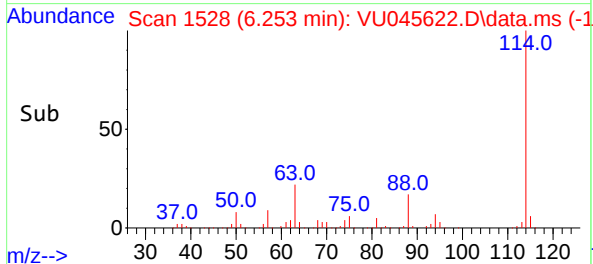
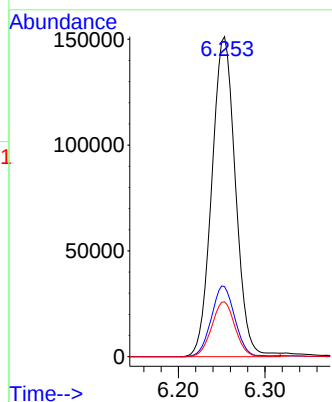
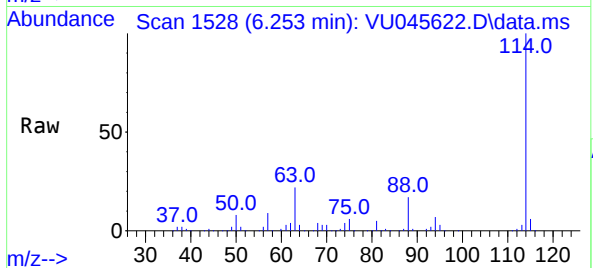
Tgt Ion:114 Resp: 286292

Ion Ratio Lower Upper

114 100

63 21.9 0.0 45.6

88 17.2 0.0 33.8



#35

Dibromofluoromethane

Concen: 50.530 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. 0.000 min

Lab File: VU045622.D

Acq: 08 Nov 2021 17:50

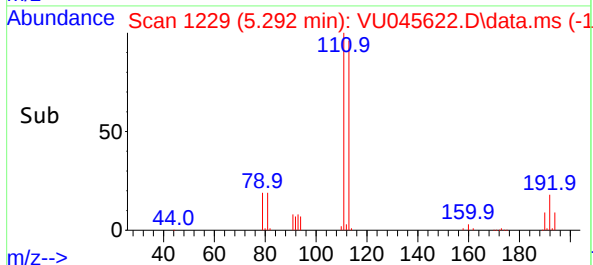
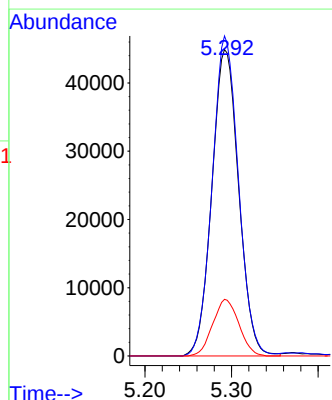
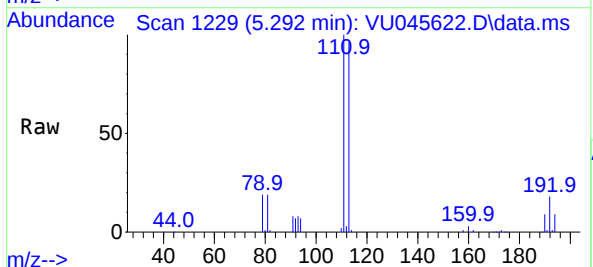
Tgt Ion:113 Resp: 96584

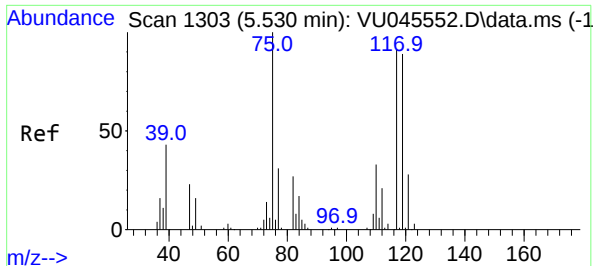
Ion Ratio Lower Upper

113 100

111 102.2 82.8 124.2

192 18.0 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.722 ug/l

RT: 5.375 min Scan# 11

Delta R.T. -0.154 min

Lab File: VU045622.D

Acq: 08 Nov 2021 17:50

Instrument :

MSVOA_U

ClientSampleId :

AG-3

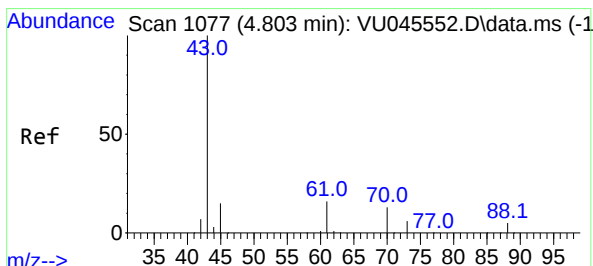
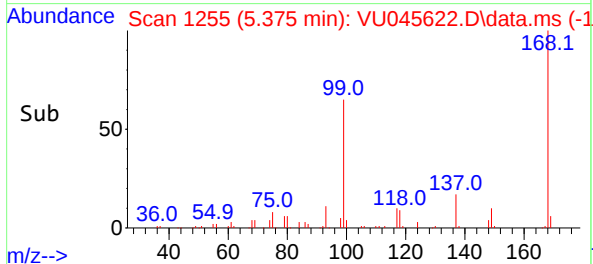
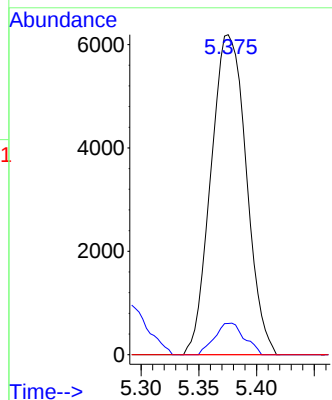
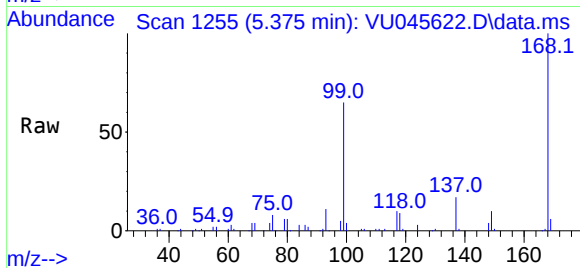
Tgt Ion: 75 Resp: 13182

Ion Ratio Lower Upper

75 100

110 8.3 16.7 50.0#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.210 ug/l

RT: 4.806 min Scan# 1078

Delta R.T. 0.003 min

Lab File: VU045622.D

Acq: 08 Nov 2021 17:50

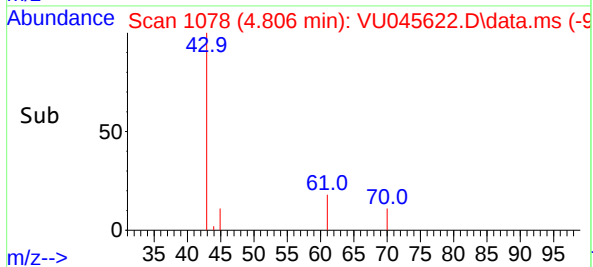
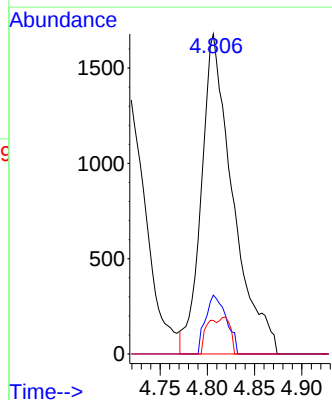
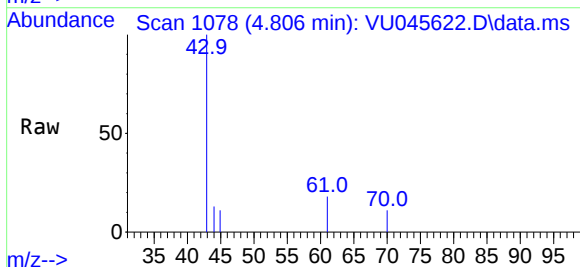
Tgt Ion: 43 Resp: 3880

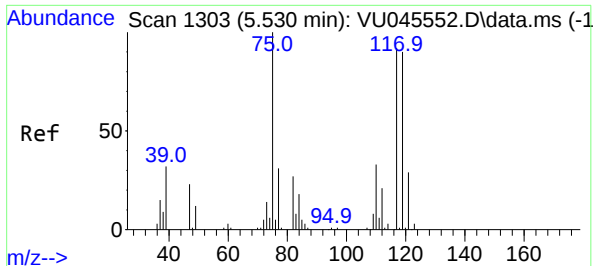
Ion Ratio Lower Upper

43 100

61 12.2 11.6 17.4

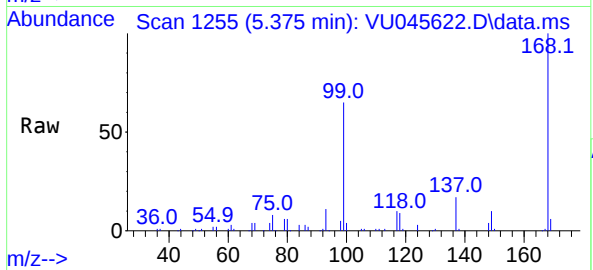
70 4.0 9.1 13.7#



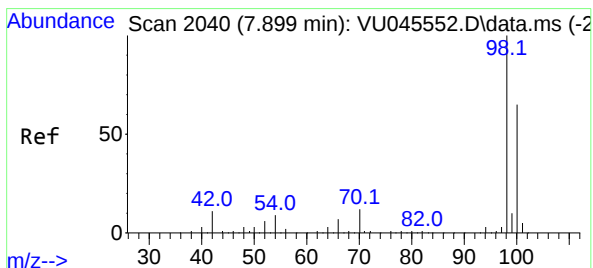
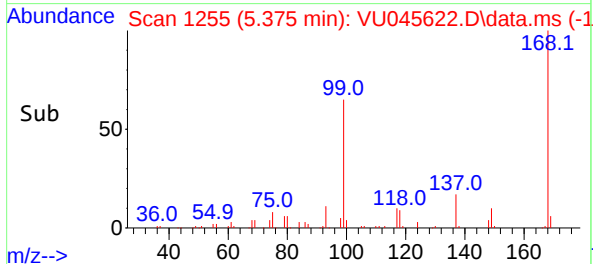
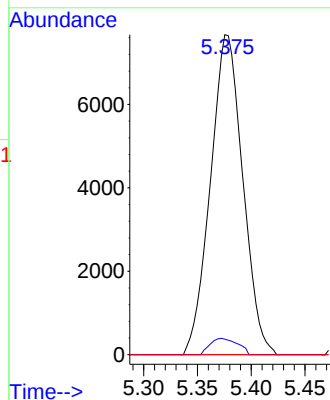


#38
Carbon Tetrachloride
Concen: 5.699 ug/l
RT: 5.375 min Scan# 117
Delta R.T. -0.154 min
Lab File: VU045622.D
Acq: 08 Nov 2021 17:50

Instrument :
MSVOA_U
ClientSampleId :
AG-3

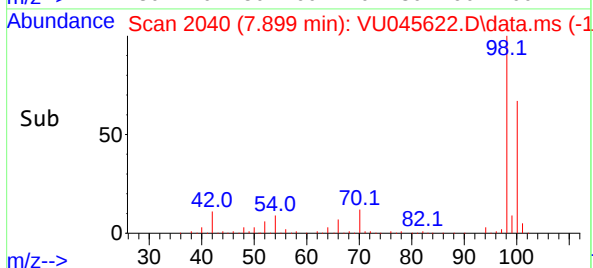
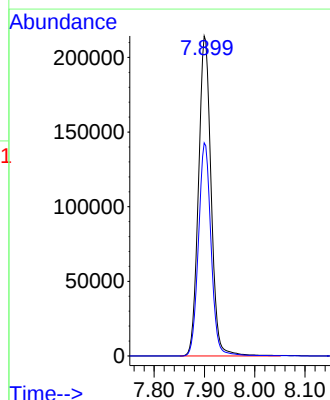
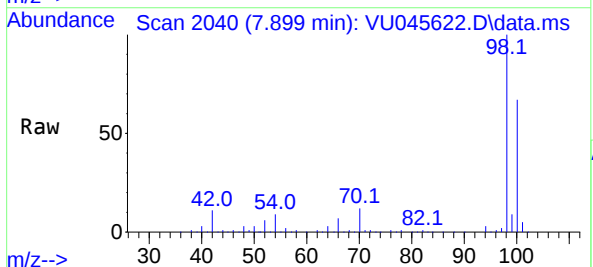


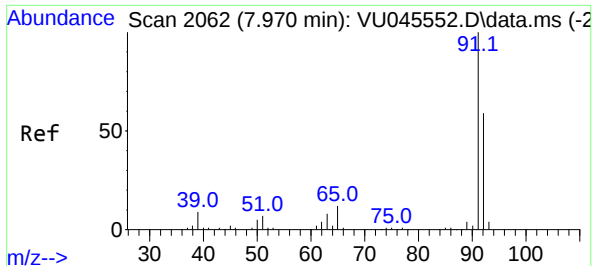
Tgt Ion:117 Resp: 16040
Ion Ratio Lower Upper
117 100
119 4.8 77.4 116.0#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 52.616 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VU045622.D
Acq: 08 Nov 2021 17:50

Tgt Ion: 98 Resp: 373972
Ion Ratio Lower Upper
98 100
100 66.3 52.5 78.7

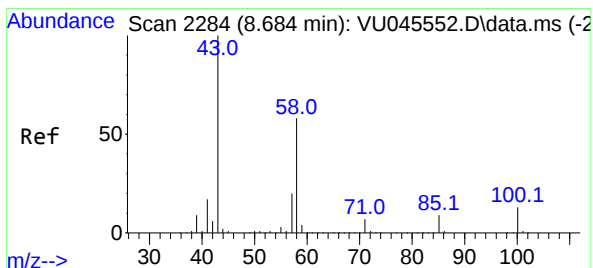
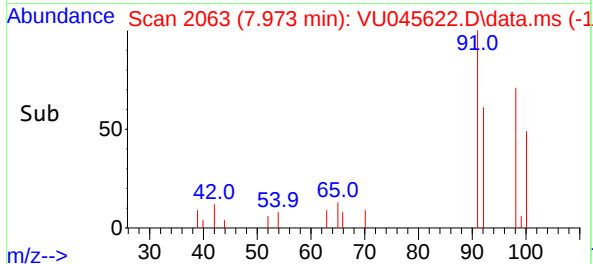
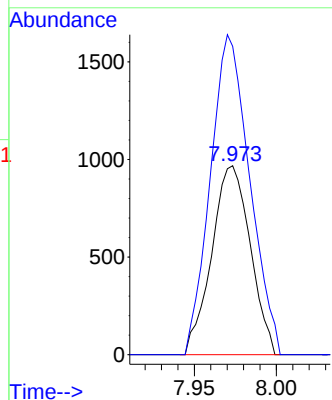
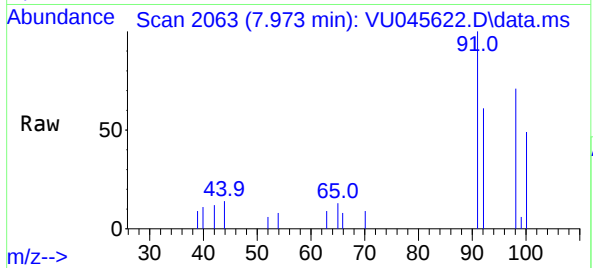




#52
Toluene
Concen: 0.312 ug/l
RT: 7.973 min Scan# 2062
Delta R.T. 0.003 min
Lab File: VU045622.D
Acq: 08 Nov 2021 17:50

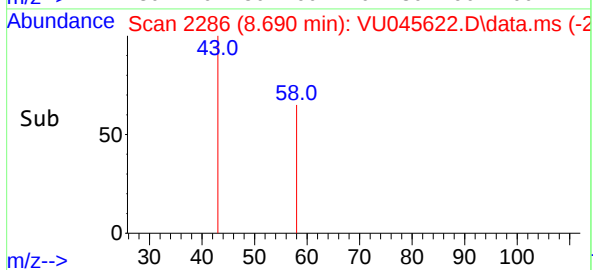
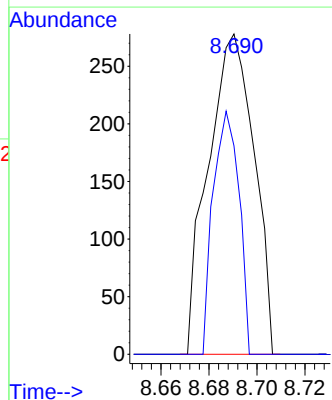
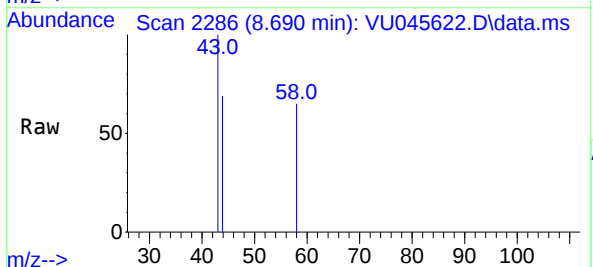
Instrument :
MSVOA_U
ClientSampleId :
AG-3

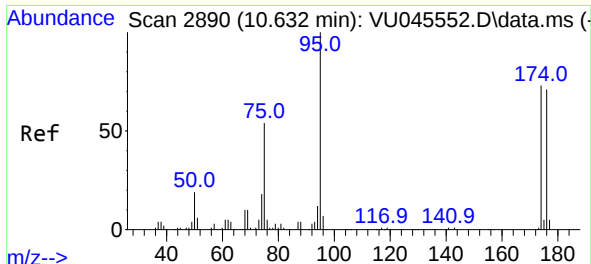
Tgt Ion: 92 Resp: 1579
Ion Ratio Lower Upper
92 100
91 172.8 135.6 203.4



#59
2-Hexanone
Concen: 7.662 ug/l
RT: 8.690 min Scan# 2286
Delta R.T. 0.006 min
Lab File: VU045622.D
Acq: 08 Nov 2021 17:50

Tgt Ion: 43 Resp: 369
Ion Ratio Lower Upper
43 100
58 42.5 29.5 88.6

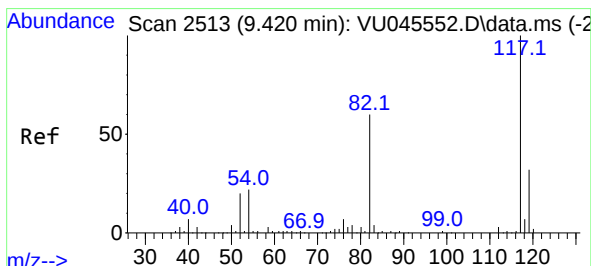
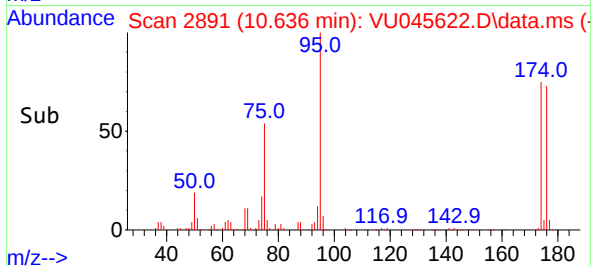
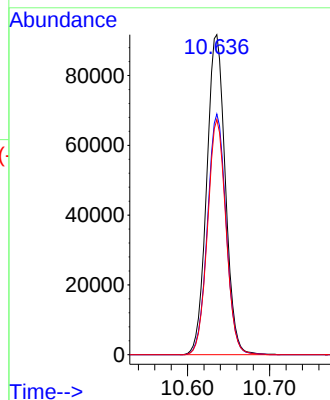
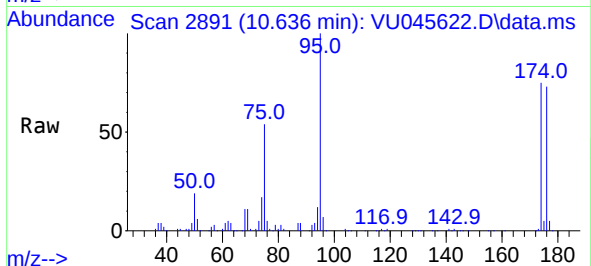




#62
4-Bromofluorobenzene
Concen: 50.781 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.003 min
Lab File: VU045622.D
Acq: 08 Nov 2021 17:50

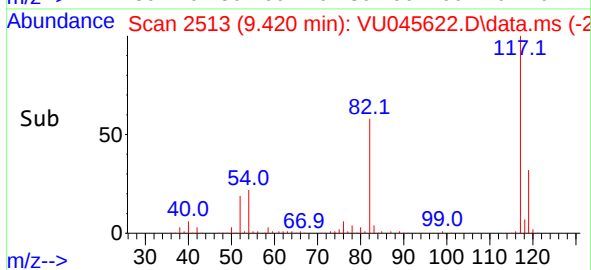
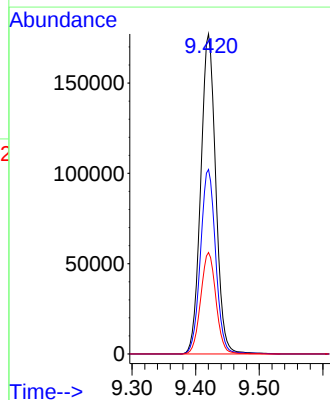
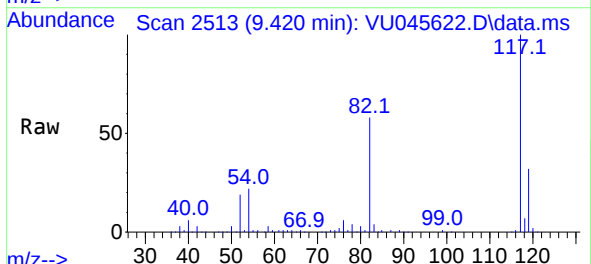
Instrument :
MSVOA_U
ClientSampleId :
AG-3

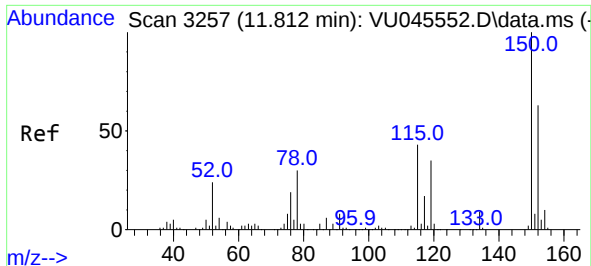
Tgt Ion: 95 Resp: 144732
Ion Ratio Lower Upper
95 100
174 75.0 0.0 141.8
176 72.5 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045622.D
Acq: 08 Nov 2021 17:50

Tgt Ion: 117 Resp: 290430
Ion Ratio Lower Upper
117 100
82 57.7 47.8 71.8
119 31.7 25.8 38.8

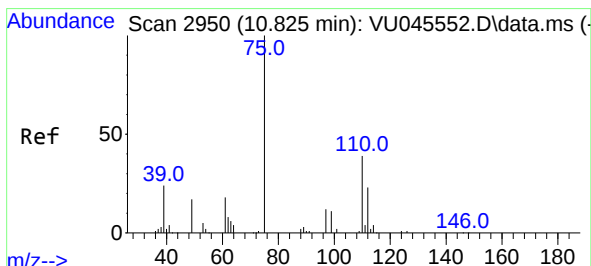
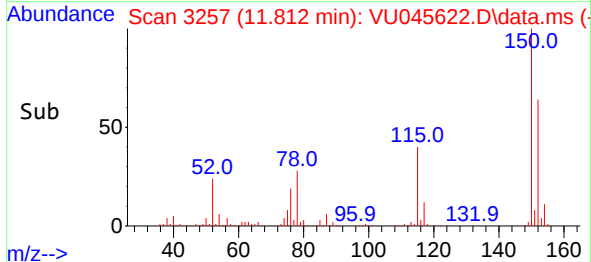
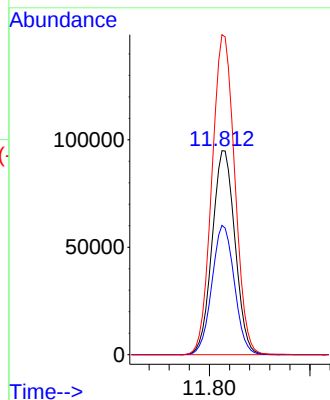
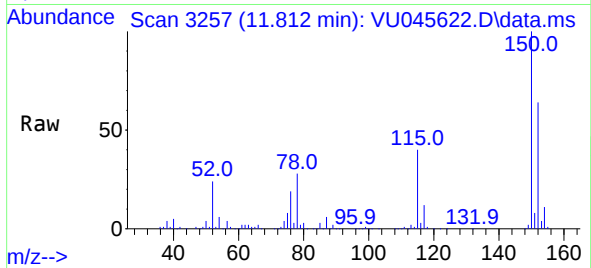




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU045622.D
 Acq: 08 Nov 2021 17:50

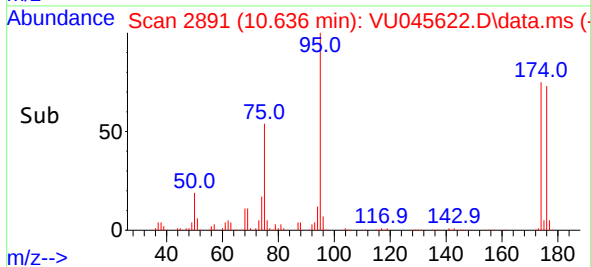
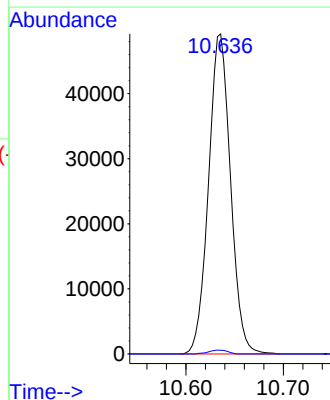
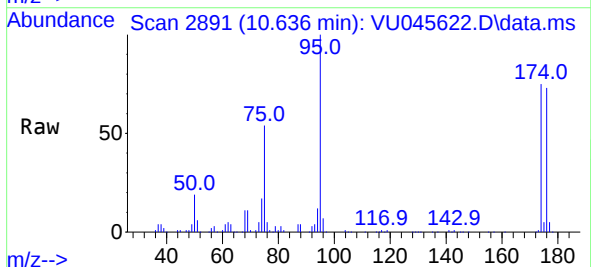
Instrument :
 MSVOA_U
 ClientSampleId :
 AG-3

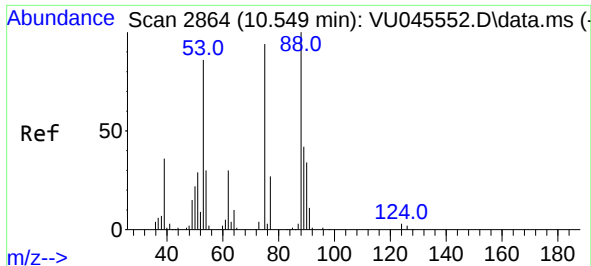
Tgt Ion:152 Resp: 150013
 Ion Ratio Lower Upper
 152 100
 115 62.3 42.7 128.1
 150 156.9 0.0 346.8



#76
 1,2,3-Trichloropropane
 Concen: 16.933 ug/l
 RT: 10.636 min Scan# 2891
 Delta R.T. -0.190 min
 Lab File: VU045622.D
 Acq: 08 Nov 2021 17:50

Tgt Ion: 75 Resp: 77033
 Ion Ratio Lower Upper
 75 100
 77 1.0 17.1 51.3#

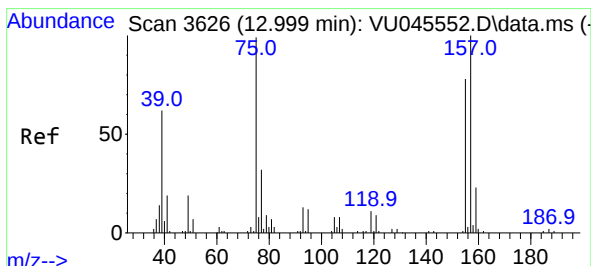
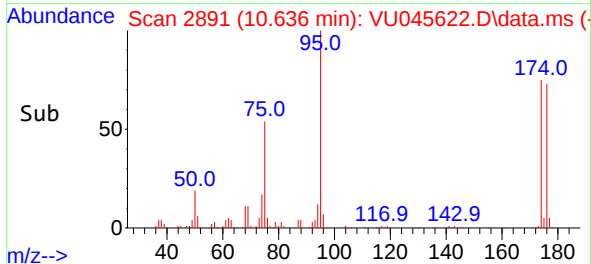
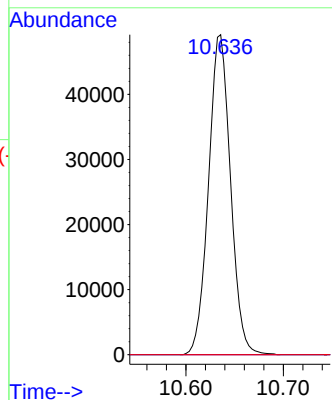
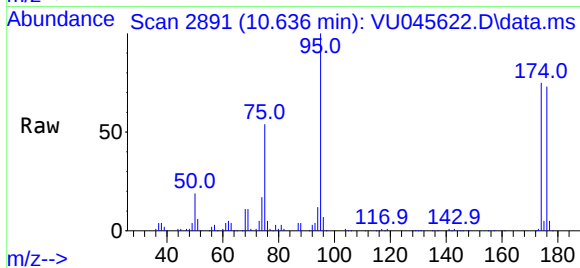




#81
trans-1,4-Dichloro-2-butene
Concen: 55.144 ug/l
RT: 10.636 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU045622.D
Acq: 08 Nov 2021 17:50

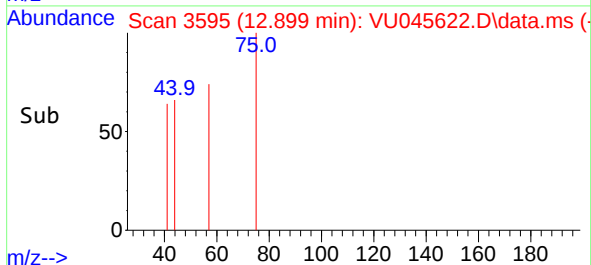
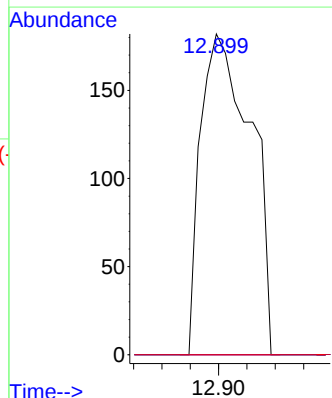
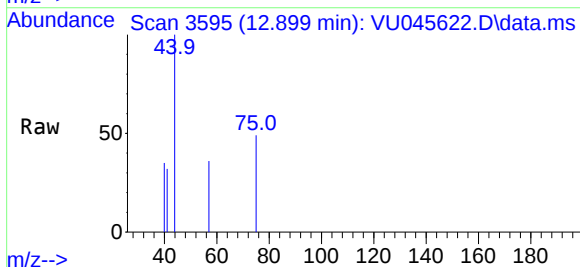
Instrument :
MSVOA_U
ClientSampleId :
AG-3

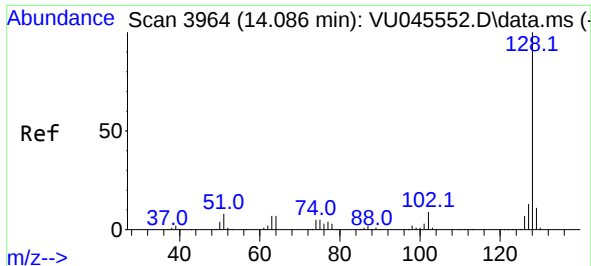
Tgt Ion: 75 Resp: 77033
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.244 ug/l
RT: 12.899 min Scan# 3595
Delta R.T. -0.100 min
Lab File: VU045622.D
Acq: 08 Nov 2021 17:50

Tgt Ion: 75 Resp: 224
Ion Ratio Lower Upper
75 100
155 0.0 37.8 113.3#
157 0.0 48.4 145.2#





#95

Naphthalene

Concen: 1.060 ug/l

RT: 14.092 min Scan# 3966

Delta R.T. 0.006 min

Lab File: VU045622.D

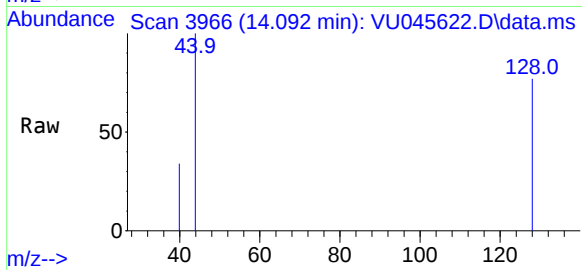
Acq: 08 Nov 2021 17:50

Instrument :

MSVOA_U

ClientSampleId :

AG-3



Tgt Ion:128 Resp: 384

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 13.0#

