

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110821\
 Data File : VU045606.D
 Acq On : 08 Nov 2021 11:42
 Operator : SY/MD
 Sample : M4434-13 50X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 2004

Quant Time: Nov 08 14:58:52 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)

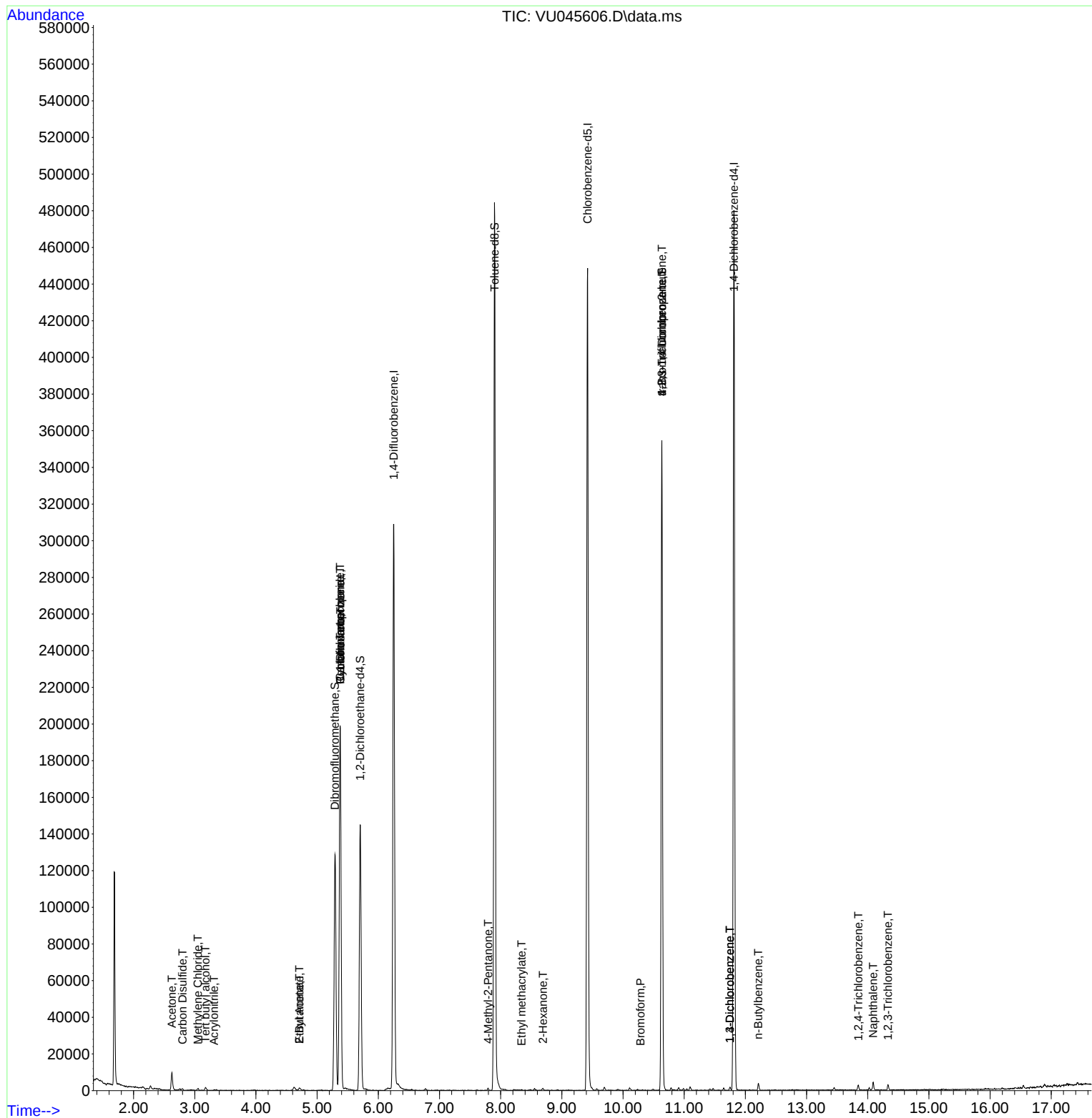
Internal Standards						
1) Pentafluorobenzene	5.379	168	131264	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	246497	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	243284	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	119189	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	108809	55.350	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.700%			
35) Dibromofluoromethane	5.292	113	83512	50.745	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.480%			
50) Toluene-d8	7.899	98	323395	52.846	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.700%			
62) 4-Bromofluorobenzene	10.636	95	119601	48.738	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.480%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.176	59	1797	4.618	ug/l #	78
15) Acrylonitrile	3.314	53	276	0.266	ug/l #	64
16) Acetone	2.626	43	10670	10.662	ug/l	100
17) Carbon Disulfide	2.800	76	1144	0.283	ug/l #	86
20) Methylene Chloride	3.047	84	403	0.232	ug/l #	72
25) 2-Butanone	4.710	43	2488	1.793	ug/l #	89
31) Cyclohexane	5.379	56	3030	1.056	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	11092	4.615	ug/l #	50
37) Ethyl Acetate	4.710	43	2488	0.901	ug/l #	67
38) Carbon Tetrachloride	5.375	117	14303	5.903	ug/l #	15
51) 4-Methyl-2-Pentanone	7.796	43	983	0.353	ug/l #	69
56) Ethyl methacrylate	8.343	69	144	2.466	ug/l #	39
59) 2-Hexanone	8.690	43	1053	7.956	ug/l	82
71) Bromoform	10.285	173	21	3.099	ug/l #	29
76) 1,2,3-Trichloropropane	10.636	75	63025	17.437	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.636	75	63025	56.695	ug/l #	12
87) 1,3-Dichlorobenzene	11.748	146	927	0.243	ug/l	92
88) 1,4-Dichlorobenzene	11.748	146	927	0.240	ug/l	91
89) n-Butylbenzene	12.211	91	1521	0.220	ug/l	97
93) 1,2,4-Trichlorobenzene	13.844	180	1105	0.431	ug/l	91
95) Naphthalene	14.089	128	3990	1.434	ug/l #	94
96) 1,2,3-Trichlorobenzene	14.330	180	1051	0.412	ug/l	97

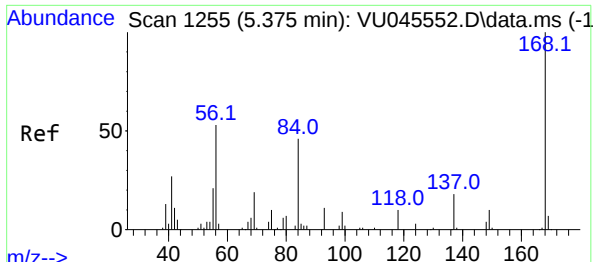
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Nov 05 13:35:16 2021
Response via : Initial Calibration

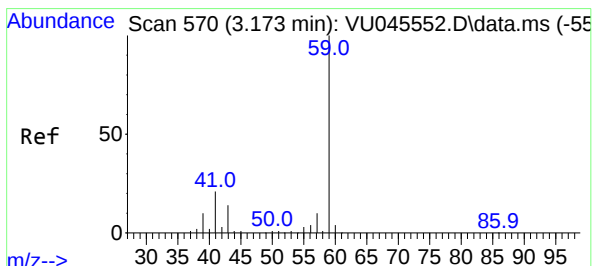
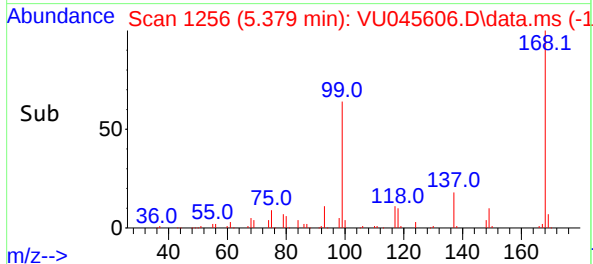
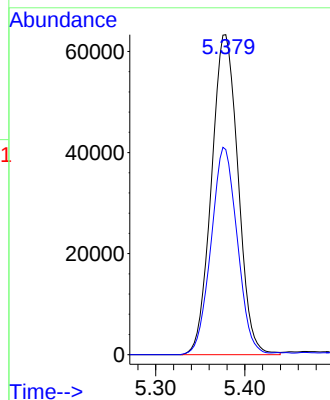
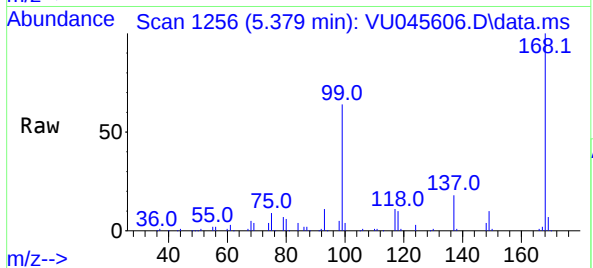




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 11
Delta R.T. 0.004 min
Lab File: VU045606.D
Acq: 08 Nov 2021 11:42

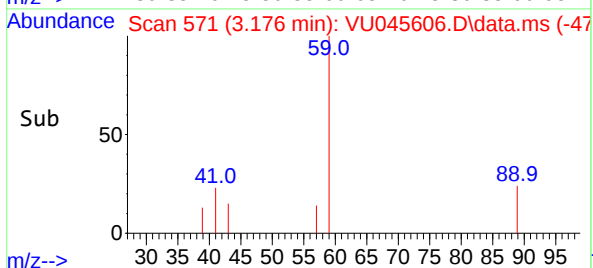
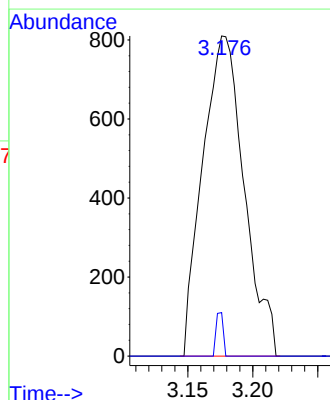
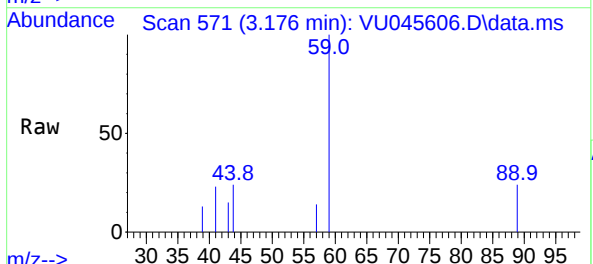
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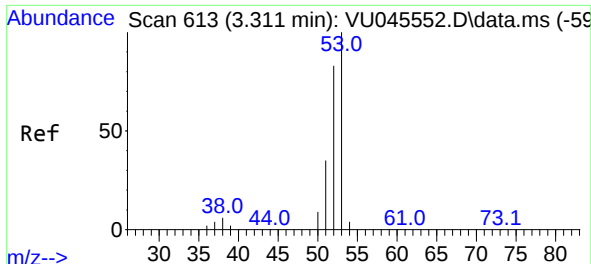
Tgt Ion:168 Resp: 131264
Ion Ratio Lower Upper
168 100
99 64.1 51.0 76.6



#11
Tert butyl alcohol
Concen: 4.618 ug/l
RT: 3.176 min Scan# 571
Delta R.T. 0.003 min
Lab File: VU045606.D
Acq: 08 Nov 2021 11:42

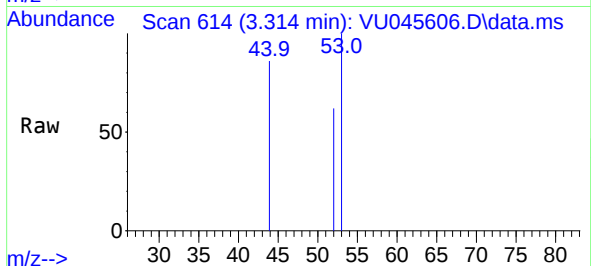
Tgt Ion: 59 Resp: 1797
Ion Ratio Lower Upper
59 100
57 2.3 8.3 12.5#



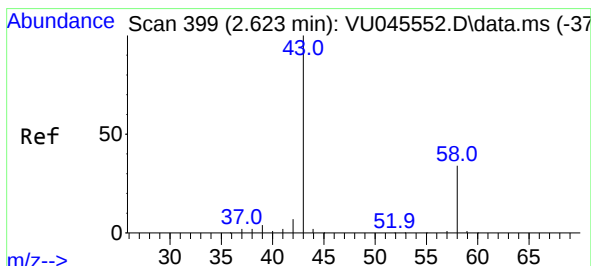
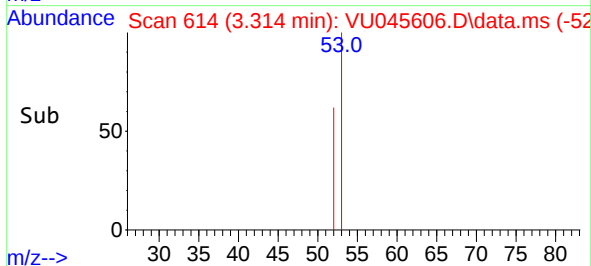
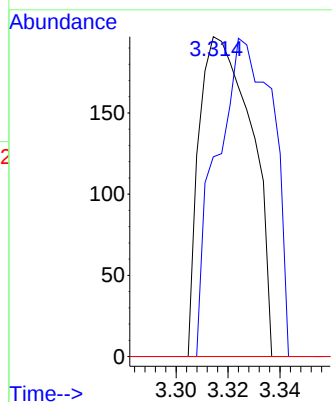


#15
Acrylonitrile
Concen: 0.266 ug/l
RT: 3.314 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU045606.D
Acq: 08 Nov 2021 11:42

Instrument :
MSVOA_U
ClientSampleId :
2004

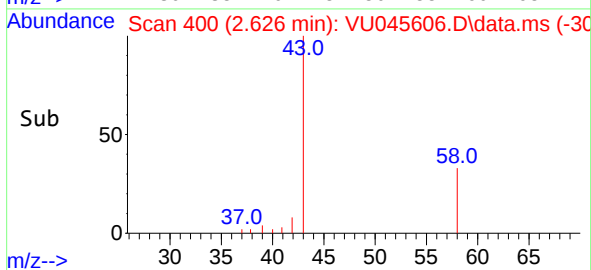
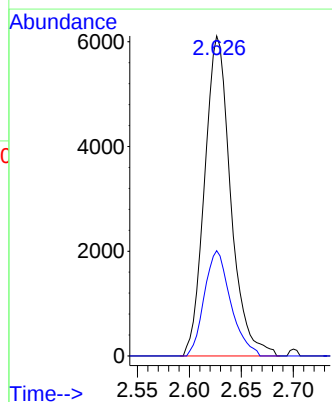
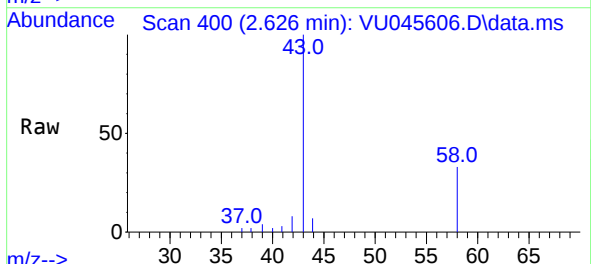


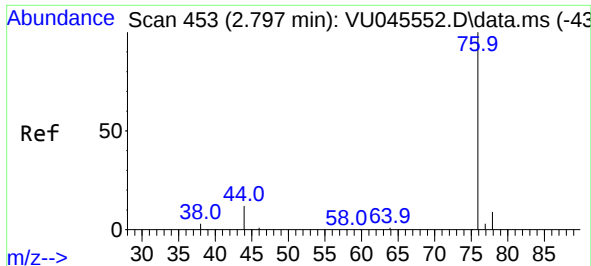
Tgt Ion: 53 Resp: 276
Ion Ratio Lower Upper
53 100
52 106.5 66.6 100.0#
51 0.0 28.4 42.6#



#16
Acetone
Concen: 10.662 ug/l
RT: 2.626 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU045606.D
Acq: 08 Nov 2021 11:42

Tgt Ion: 43 Resp: 10670
Ion Ratio Lower Upper
43 100
58 32.9 26.2 39.2

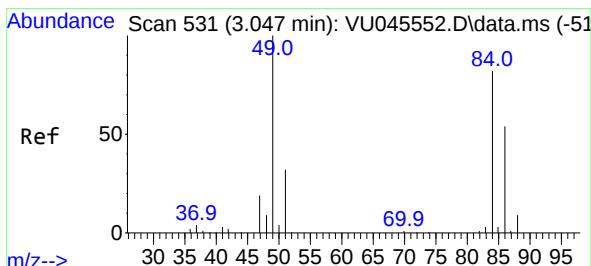
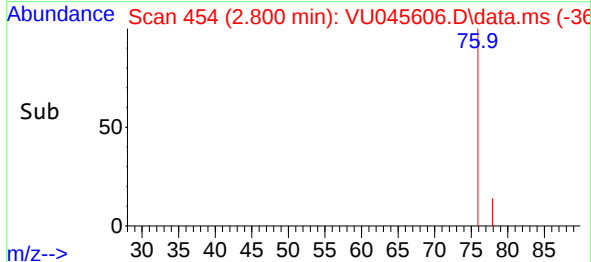
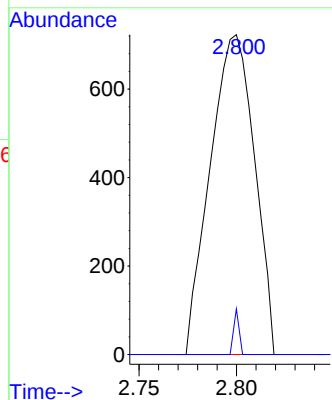
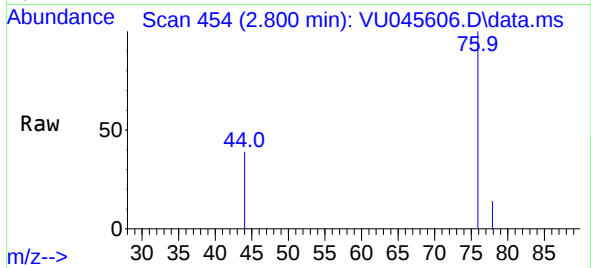




#17
Carbon Disulfide
Concen: 0.283 ug/l
RT: 2.800 min Scan# 411
Delta R.T. 0.003 min
Lab File: VU045606.D
Acq: 08 Nov 2021 11:42

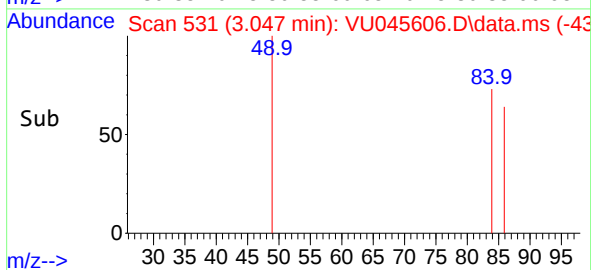
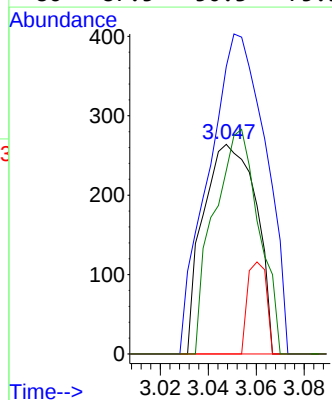
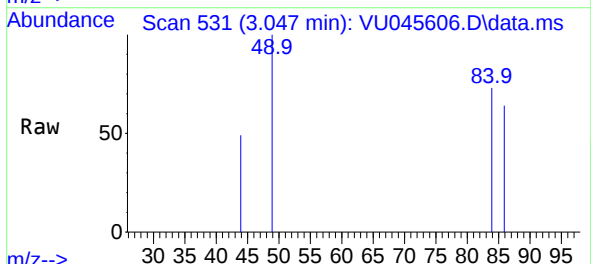
Instrument :
MSVOA_U
ClientSampleId :
2004

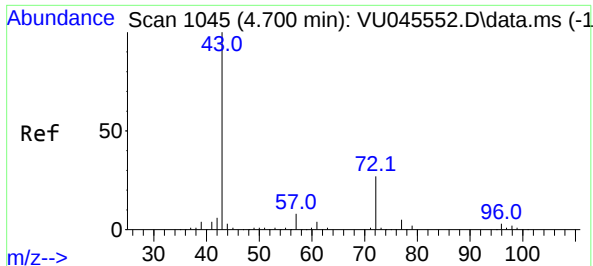
Tgt Ion: 76 Resp: 1144
Ion Ratio Lower Upper
76 100
78 14.2 7.3 10.9#



#20
Methylene Chloride
Concen: 0.232 ug/l
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU045606.D
Acq: 08 Nov 2021 11:42

Tgt Ion: 84 Resp: 403
Ion Ratio Lower Upper
84 100
49 137.1 96.4 144.6
51 0.0 30.5 45.7#
86 87.5 50.3 75.5#

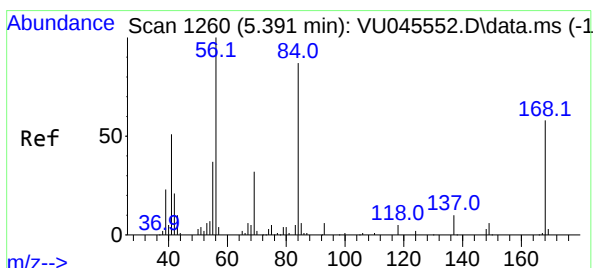
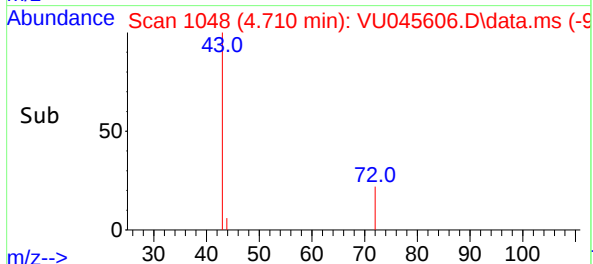
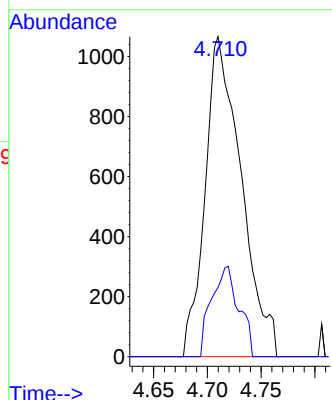
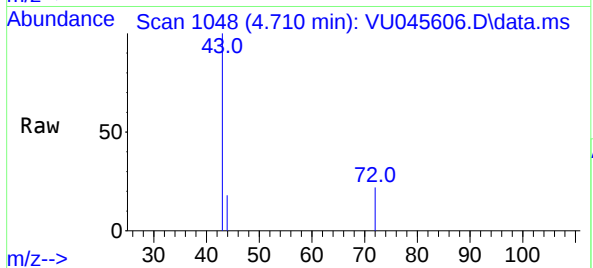




#25
2-Butanone
Concen: 1.793 ug/l
RT: 4.710 min Scan# 1045
Delta R.T. 0.010 min
Lab File: VU045606.D
Acq: 08 Nov 2021 11:42

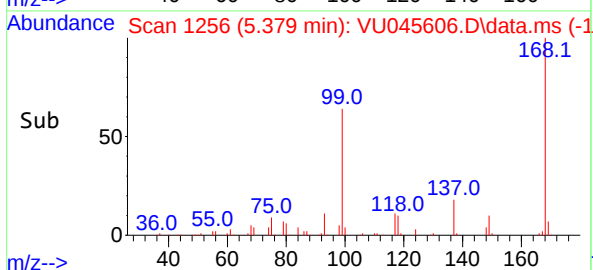
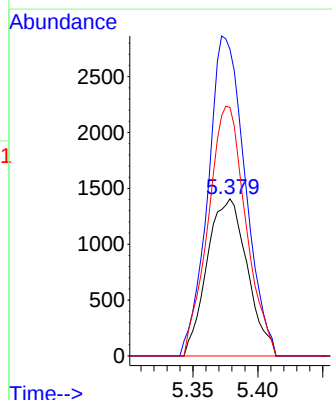
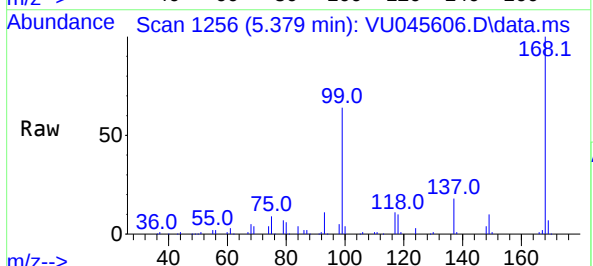
Instrument :
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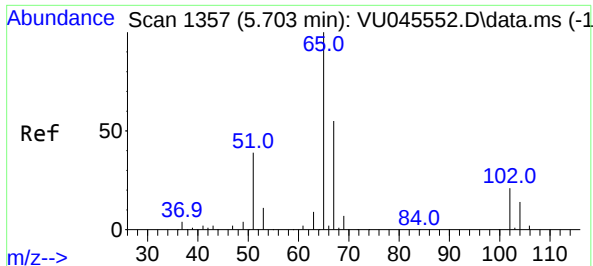
Tgt Ion: 43 Resp: 2488
Ion Ratio Lower Upper
43 100
72 21.6 22.0 33.0#



#31
Cyclohexane
Concen: 1.056 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.013 min
Lab File: VU045606.D
Acq: 08 Nov 2021 11:42

Tgt Ion: 56 Resp: 3030
Ion Ratio Lower Upper
56 100
69 195.2 26.4 39.6#
84 158.3 68.4 102.6#

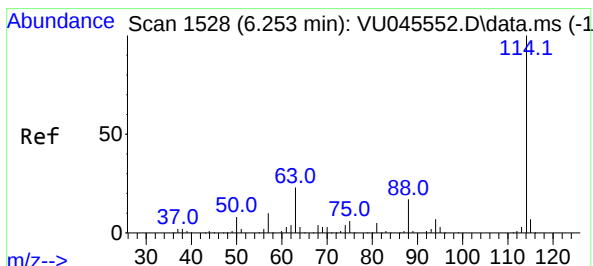
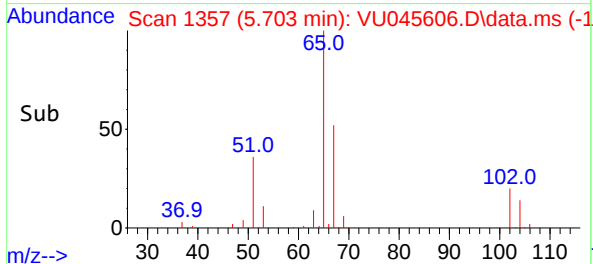
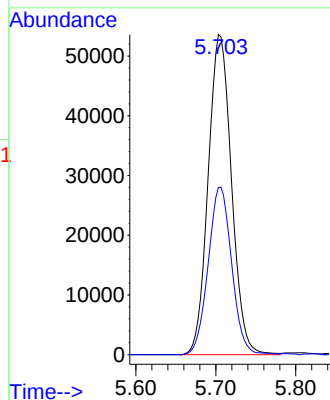
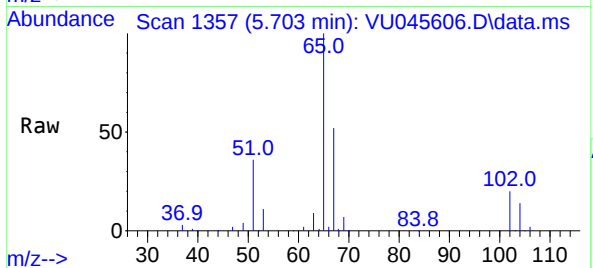




#33
1,2-Dichloroethane-d4
Concen: 55.350 ug/l
RT: 5.703 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU045606.D
Acq: 08 Nov 2021 11:42

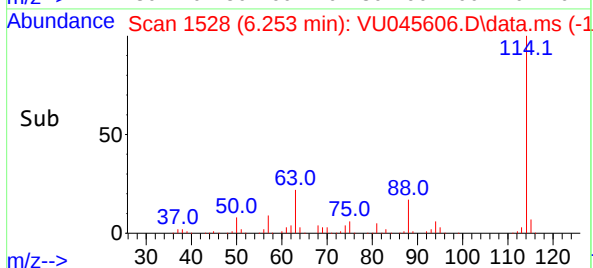
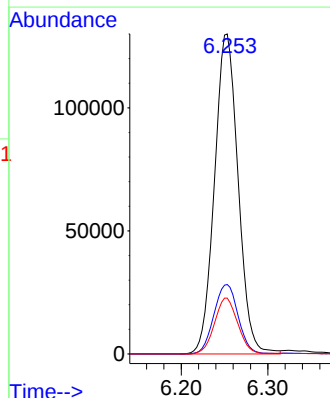
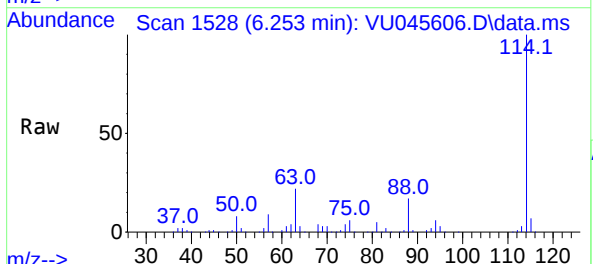
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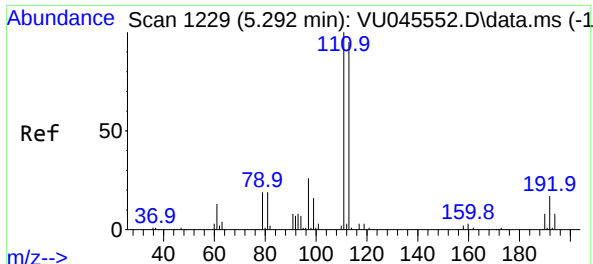
Tgt Ion: 65 Resp: 108809
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. 0.000 min
Lab File: VU045606.D
Acq: 08 Nov 2021 11:42

Tgt Ion: 114 Resp: 246497
Ion Ratio Lower Upper
114 100
63 21.7 0.0 45.6
88 17.4 0.0 33.8

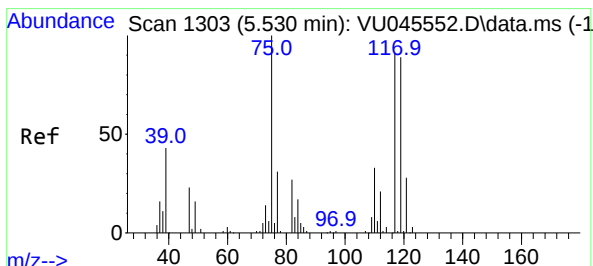
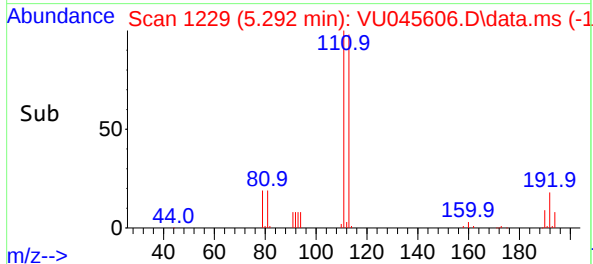
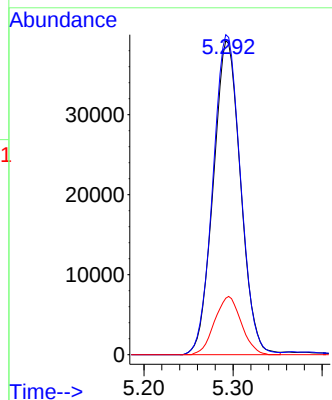
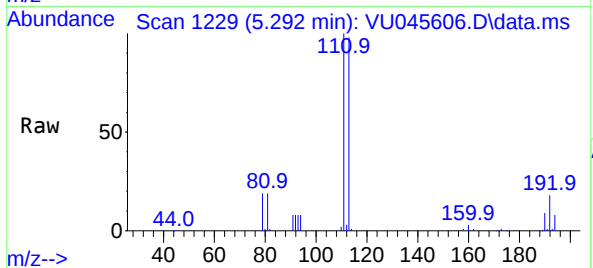




#35
Dibromofluoromethane
Concen: 50.745 ug/l
RT: 5.292 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU045606.D
Acq: 08 Nov 2021 11:42

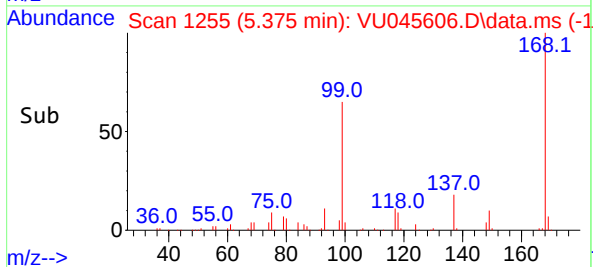
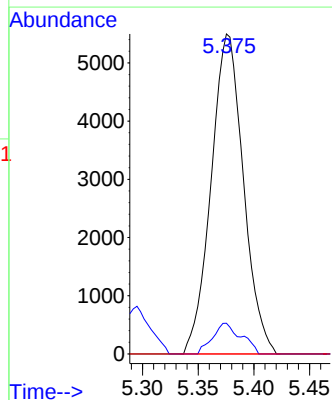
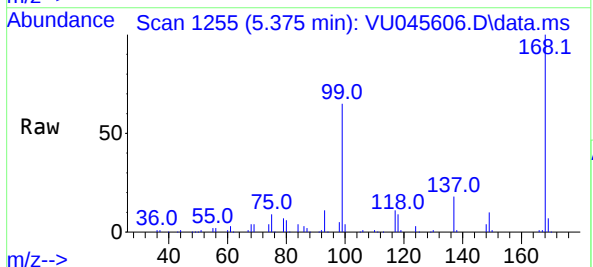
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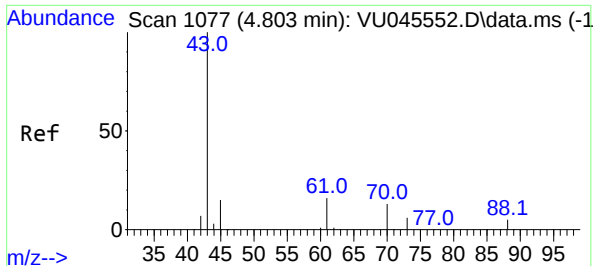
Tgt Ion:113 Resp: 83512
Ion Ratio Lower Upper
113 100
111 102.7 82.8 124.2
192 18.1 14.8 22.2



#36
1,1-Dichloropropene
Concen: 4.615 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.154 min
Lab File: VU045606.D
Acq: 08 Nov 2021 11:42

Tgt Ion: 75 Resp: 11092
Ion Ratio Lower Upper
75 100
110 8.5 16.7 50.0#
77 0.0 25.0 37.4#

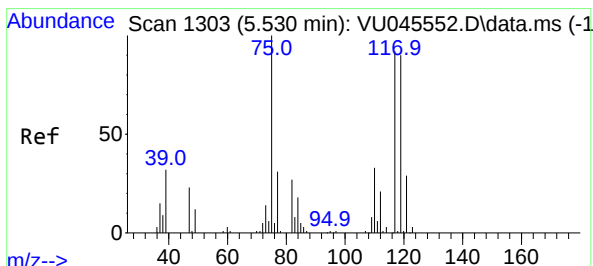
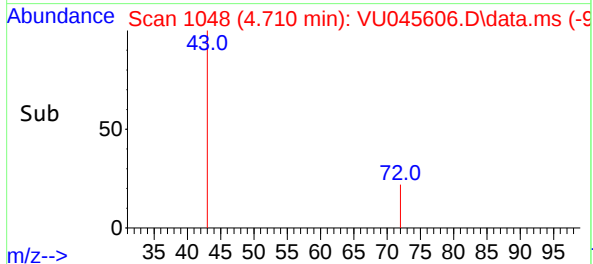
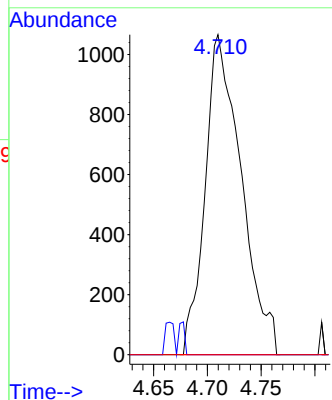
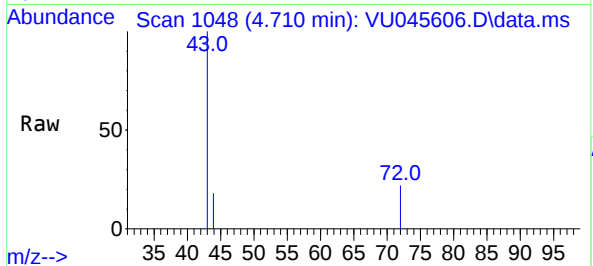




#37
Ethyl Acetate
Concen: 0.901 ug/l
RT: 4.710 min Scan# 1048
Delta R.T. -0.093 min
Lab File: VU045606.D
Acq: 08 Nov 2021 11:42

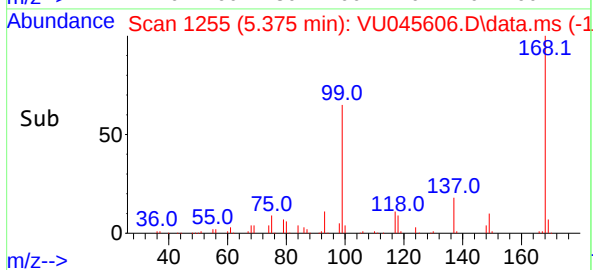
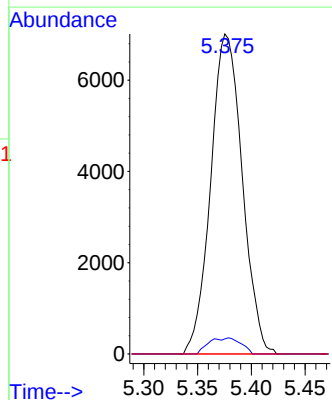
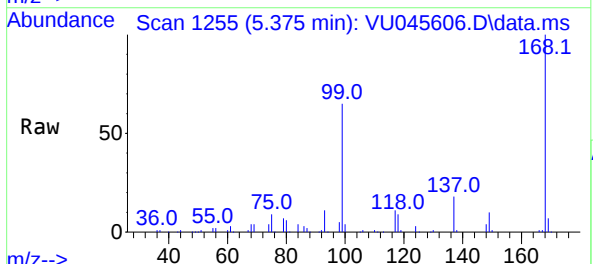
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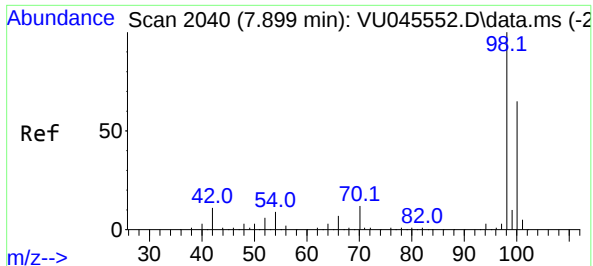
Tgt Ion: 43 Resp: 2488
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 9.1 13.7#



#38
Carbon Tetrachloride
Concen: 5.903 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.154 min
Lab File: VU045606.D
Acq: 08 Nov 2021 11:42

Tgt Ion: 117 Resp: 14303
Ion Ratio Lower Upper
117 100
119 4.7 77.4 116.0#
121 0.0 24.8 37.2#

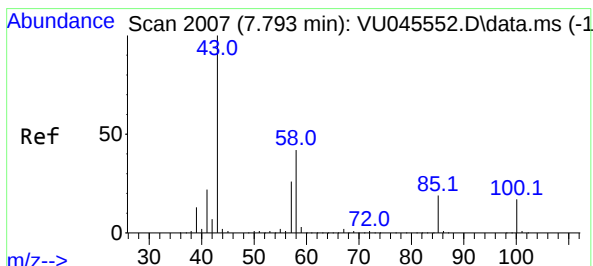
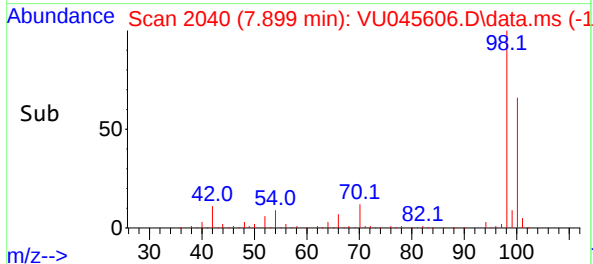
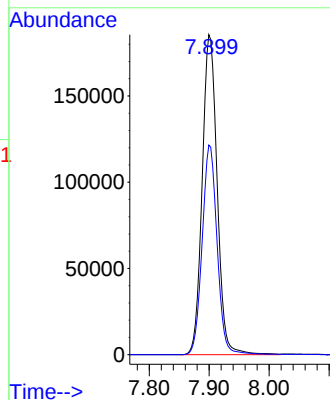
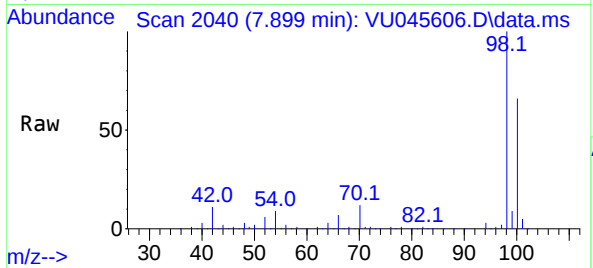




#50
Toluene-d8
Concen: 52.846 ug/l
RT: 7.899 min Scan# 2004
Delta R.T. 0.000 min
Lab File: VU045606.D
Acq: 08 Nov 2021 11:42

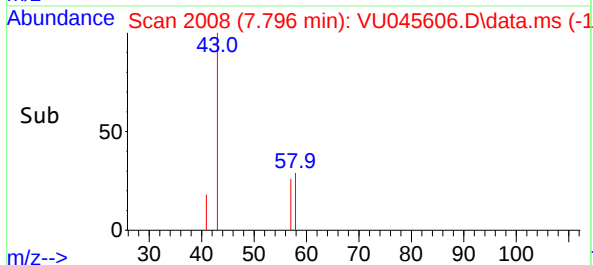
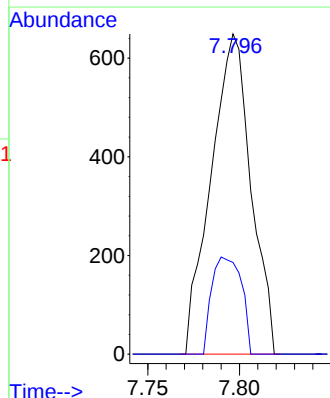
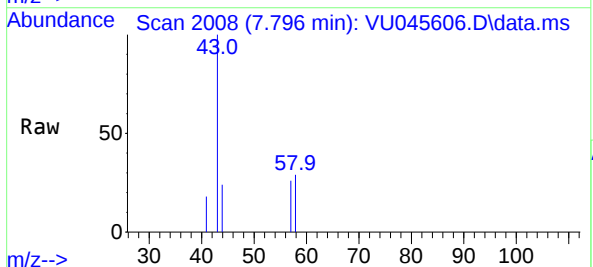
Instrument :
MSVOA_U
ClientSampleId :
2004

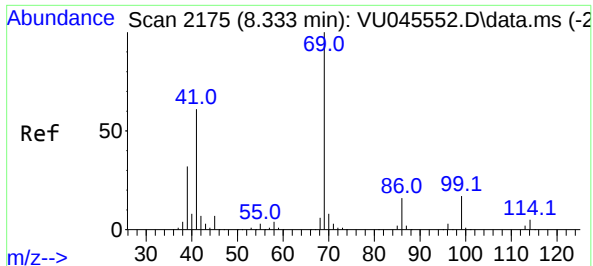
Tgt Ion: 98 Resp: 323395
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.353 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. 0.003 min
Lab File: VU045606.D
Acq: 08 Nov 2021 11:42

Tgt Ion: 43 Resp: 983
Ion Ratio Lower Upper
43 100
58 22.4 33.8 50.8#





#56

Ethyl methacrylate

Concen: 2.466 ug/l

RT: 8.343 min Scan# 2175

Delta R.T. 0.010 min

Lab File: VU045606.D

Acq: 08 Nov 2021 11:42

Instrument :

MSVOA_U

ClientSampleId :

2004

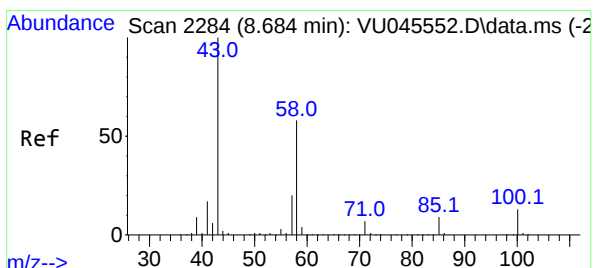
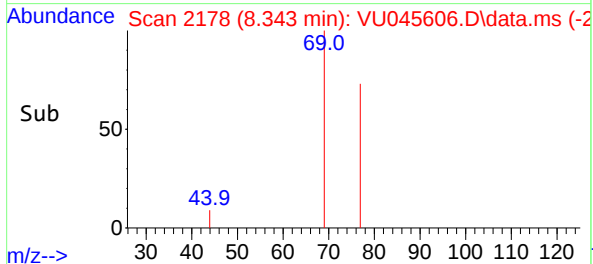
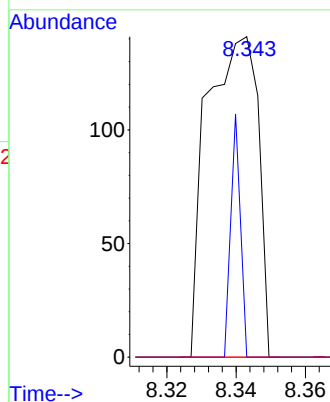
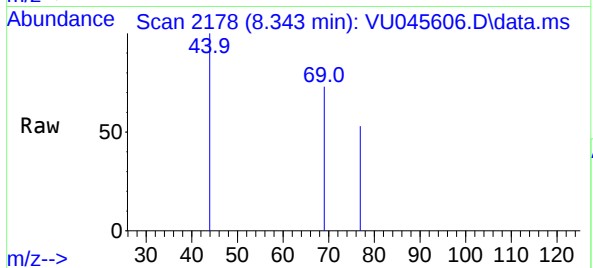
Tgt Ion: 69 Resp: 144

Ion Ratio Lower Upper

69 100

41 14.6 51.0 76.4#

39 0.0 26.6 39.8#



#59

2-Hexanone

Concen: 7.956 ug/l

RT: 8.690 min Scan# 2286

Delta R.T. 0.006 min

Lab File: VU045606.D

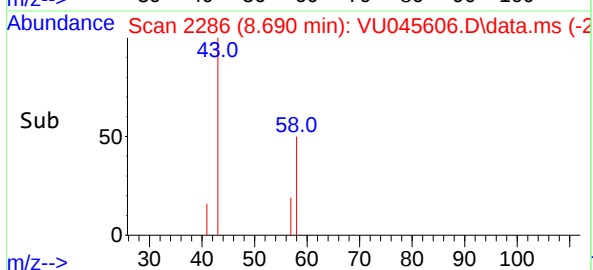
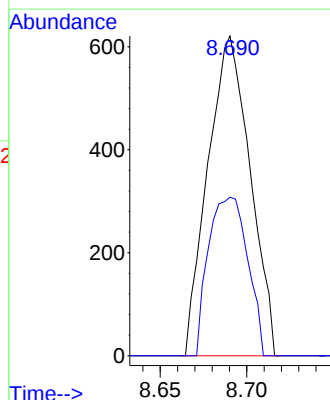
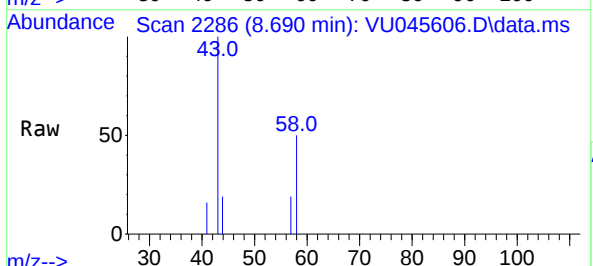
Acq: 08 Nov 2021 11:42

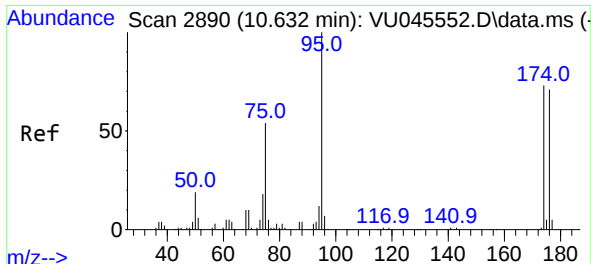
Tgt Ion: 43 Resp: 1053

Ion Ratio Lower Upper

43 100

58 46.0 29.5 88.6

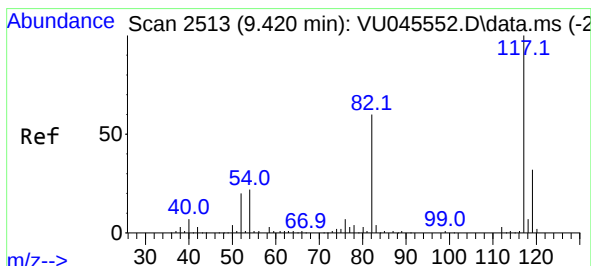
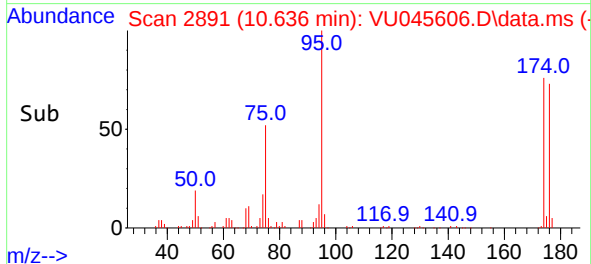
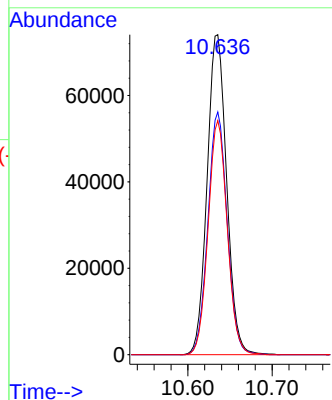
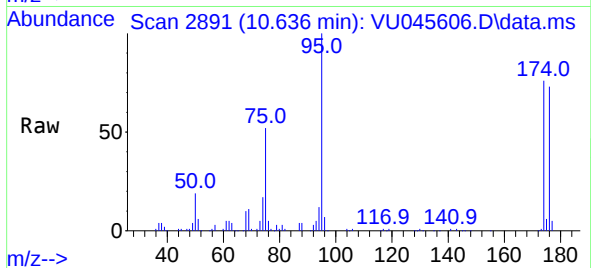




#62
4-Bromofluorobenzene
Concen: 48.738 ug/l
RT: 10.636 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU045606.D
Acq: 08 Nov 2021 11:42

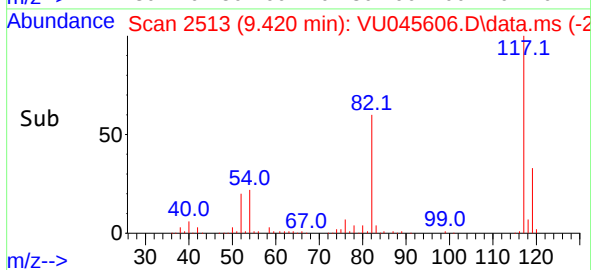
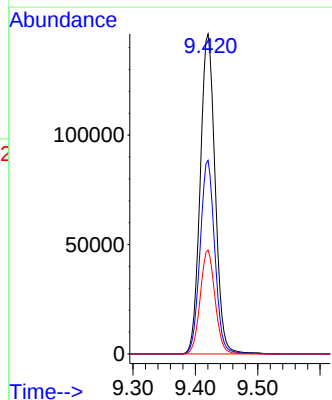
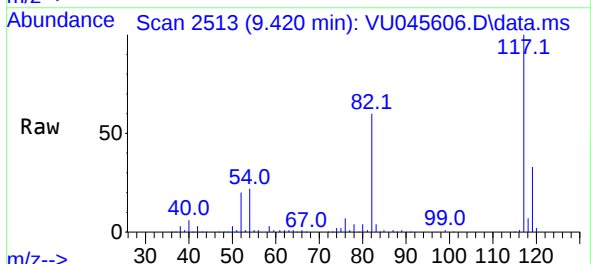
Instrument :
MSVOA_U
ClientSampleId :
2004

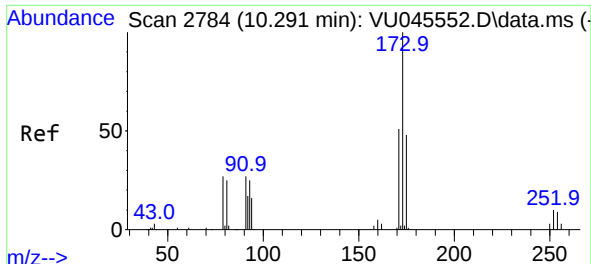
Tgt Ion: 95 Resp: 119601
Ion Ratio Lower Upper
95 100
174 74.9 0.0 141.8
176 71.5 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045606.D
Acq: 08 Nov 2021 11:42

Tgt Ion: 117 Resp: 243284
Ion Ratio Lower Upper
117 100
82 60.5 47.8 71.8
119 32.5 25.8 38.8

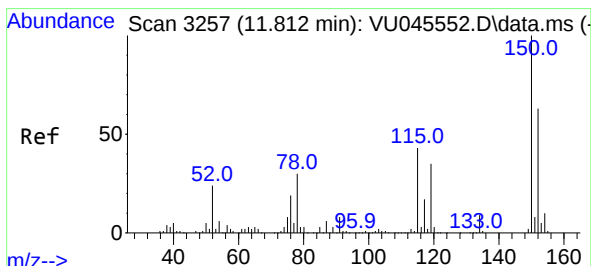
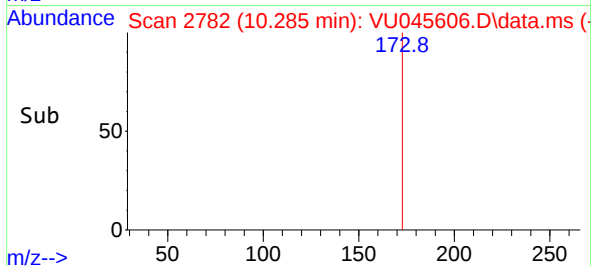
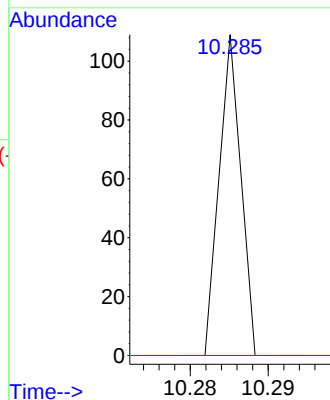
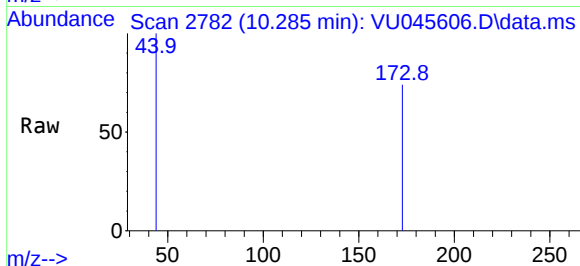




#71
Bromoform
Concen: 3.099 ug/l
RT: 10.285 min Scan# 21
Delta R.T. -0.006 min
Lab File: VU045606.D
Acq: 08 Nov 2021 11:42

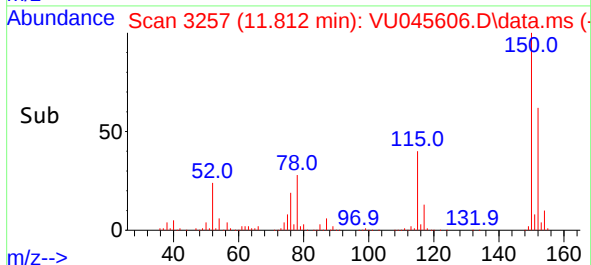
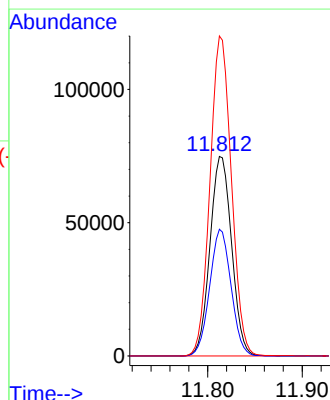
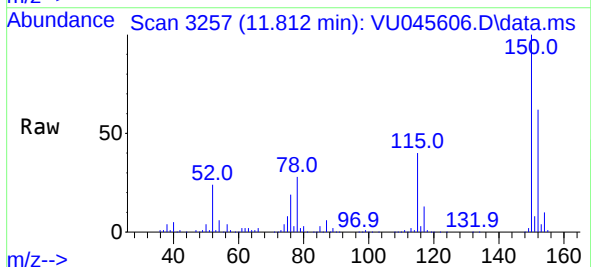
Instrument :
MSVOA_U
ClientSampleId :
2004

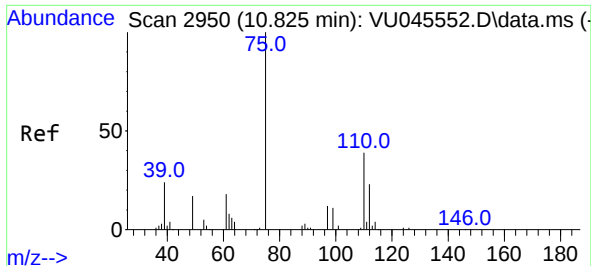
Tgt Ion:173 Resp: 21
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.000 min
Lab File: VU045606.D
Acq: 08 Nov 2021 11:42

Tgt Ion:152 Resp: 119189
Ion Ratio Lower Upper
152 100
115 62.5 42.7 128.1
150 158.6 0.0 346.8

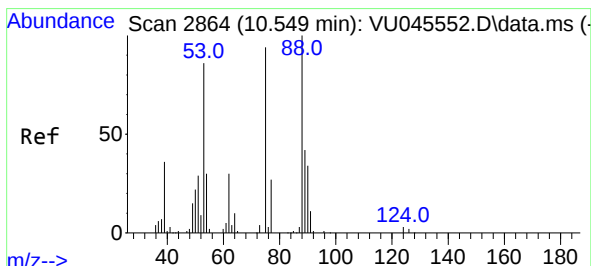
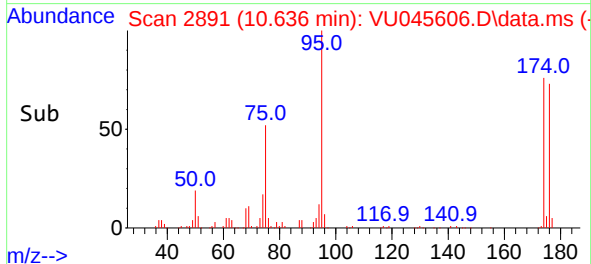
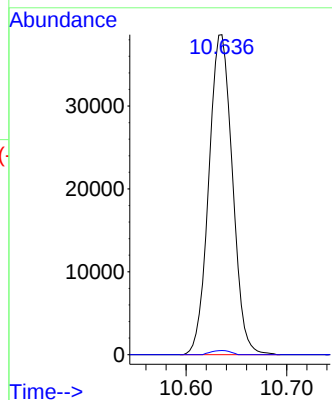
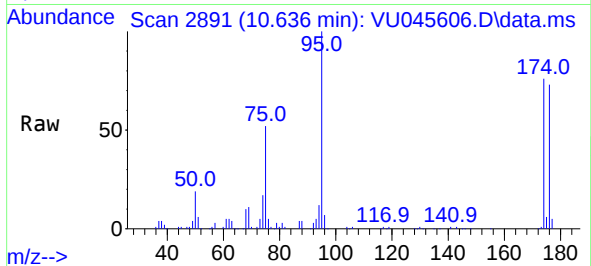




#76
1,2,3-Trichloropropane
Concen: 17.437 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.190 min
Lab File: VU045606.D
Acq: 08 Nov 2021 11:42

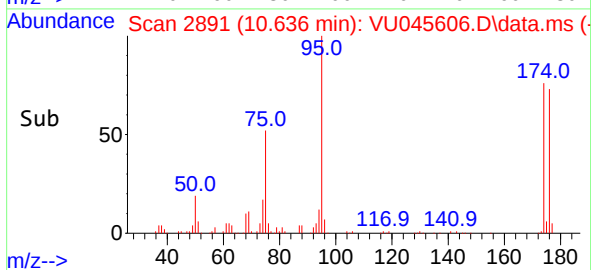
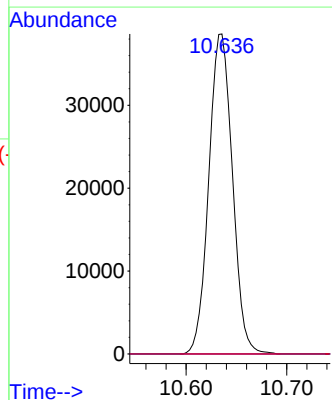
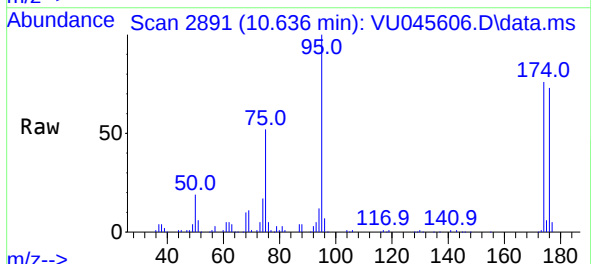
Instrument :
MSVOA_U
ClientSampleId :
2004

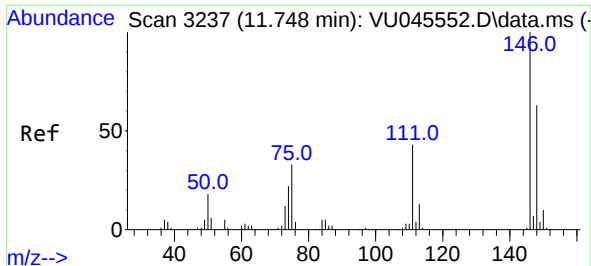
Tgt Ion: 75 Resp: 63025
Ion Ratio Lower Upper
75 100
77 1.1 17.1 51.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.695 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.087 min
Lab File: VU045606.D
Acq: 08 Nov 2021 11:42

Tgt Ion: 75 Resp: 63025
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#





#87

1,3-Dichlorobenzene

Concen: 0.243 ug/l

RT: 11.748 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU045606.D

Acq: 08 Nov 2021 11:42

Instrument :

MSVOA_U

ClientSampleId :

2004

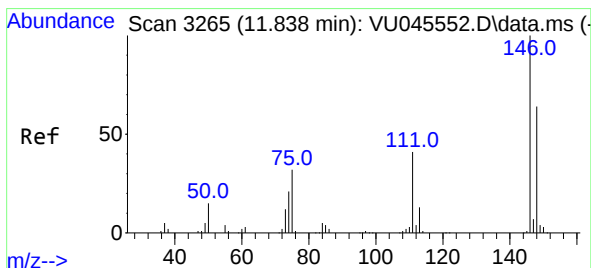
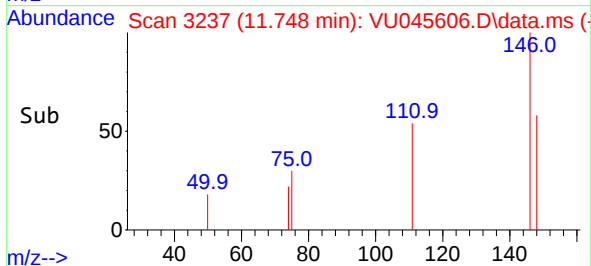
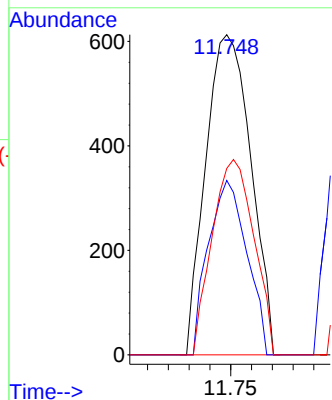
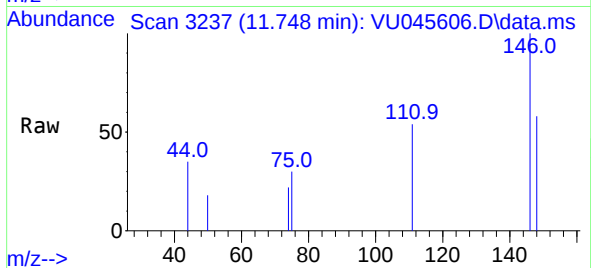
Tgt Ion:146 Resp: 927

Ion Ratio Lower Upper

146 100

111 46.4 21.3 63.9

148 56.3 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 0.240 ug/l

RT: 11.748 min Scan# 3237

Delta R.T. -0.090 min

Lab File: VU045606.D

Acq: 08 Nov 2021 11:42

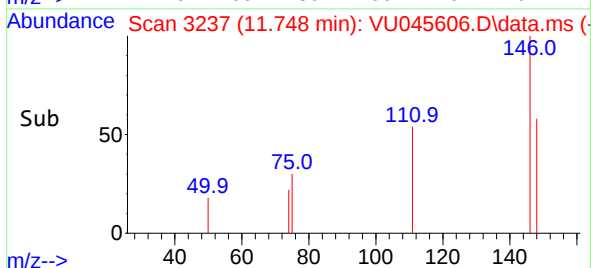
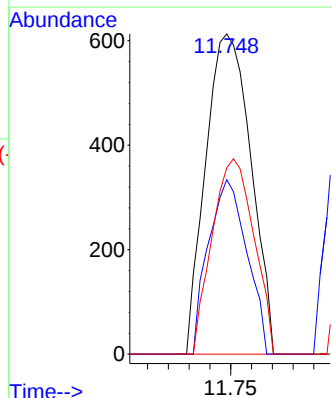
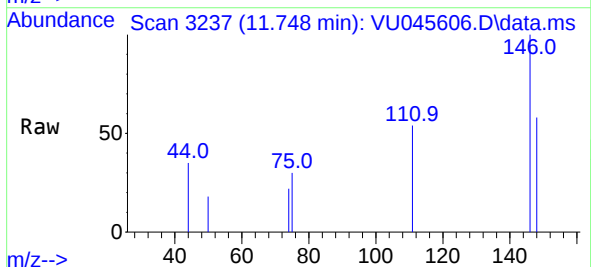
Tgt Ion:146 Resp: 927

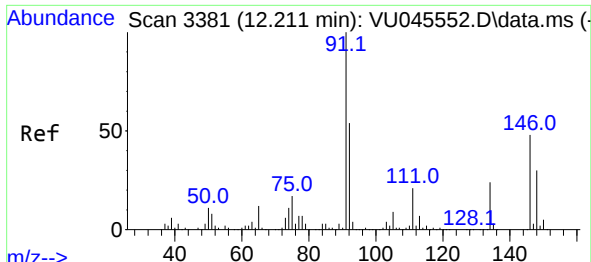
Ion Ratio Lower Upper

146 100

111 46.4 20.6 61.9

148 56.3 31.9 95.7

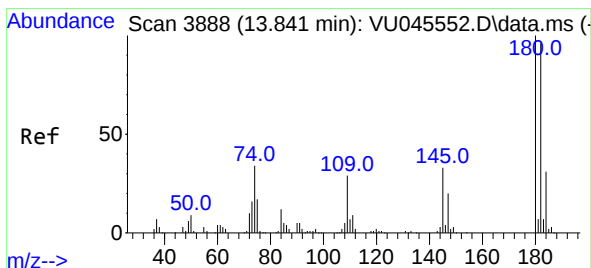
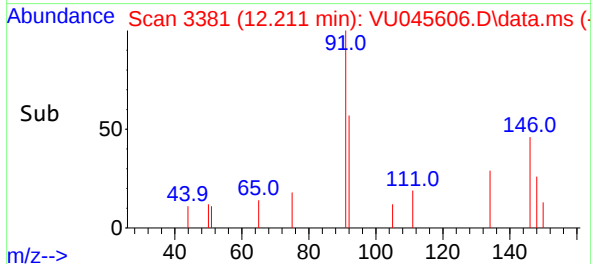
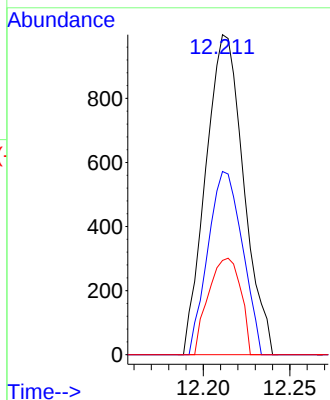
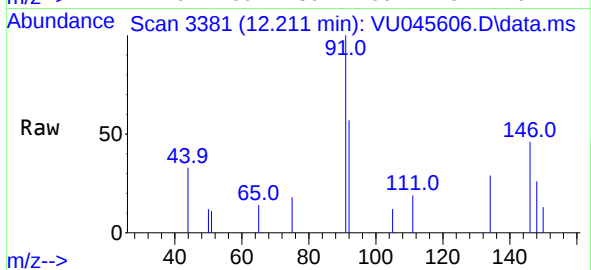




#89
n-Butylbenzene
Concen: 0.220 ug/l
RT: 12.211 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU045606.D
Acq: 08 Nov 2021 11:42

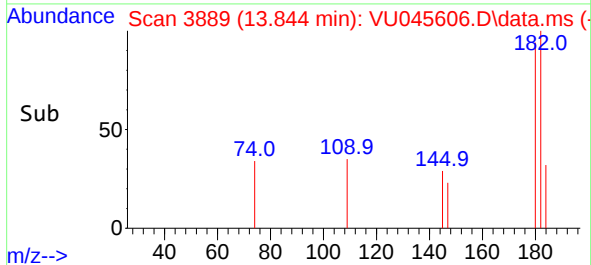
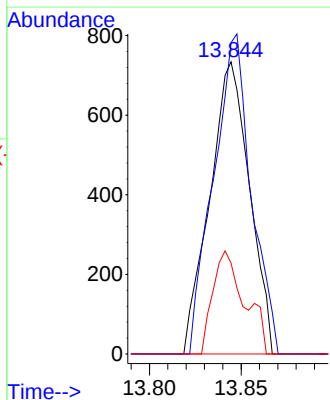
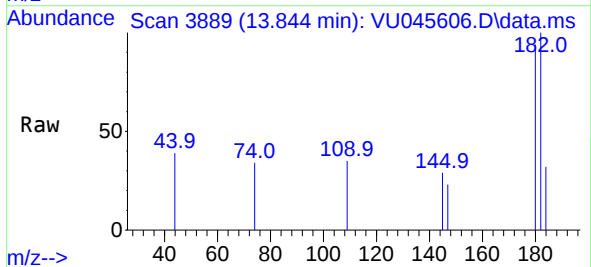
Instrument :
MSVOA_U
ClientSampleId :
2004

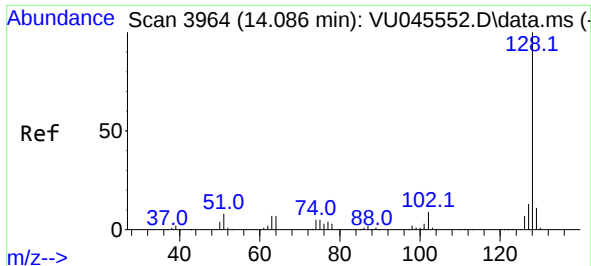
Tgt Ion: 91	Resp:	1521
Ion	Ratio	Lower Upper
91	100	
92	52.0	27.1 81.2
134	25.6	11.8 35.4



#93
1,2,4-Trichlorobenzene
Concen: 0.431 ug/l
RT: 13.844 min Scan# 3889
Delta R.T. 0.003 min
Lab File: VU045606.D
Acq: 08 Nov 2021 11:42

Tgt Ion: 180	Resp:	1105
Ion	Ratio	Lower Upper
180	100	
182	104.0	47.0 141.2
145	28.2	15.6 46.7

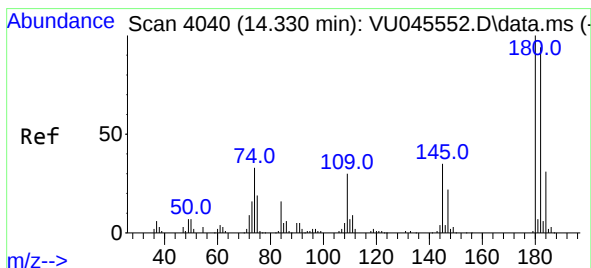
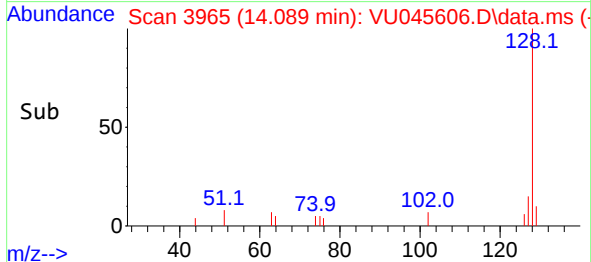
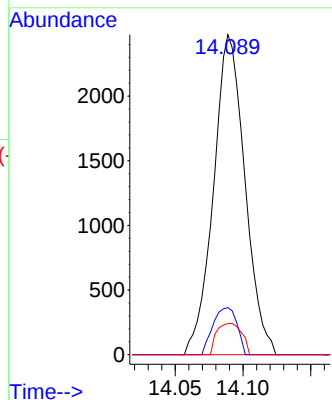
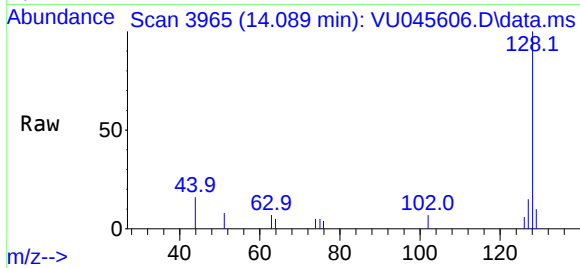




#95
Naphthalene
Concen: 1.434 ug/l
RT: 14.089 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU045606.D
Acq: 08 Nov 2021 11:42

Instrument :
MSVOA_U
ClientSampleId :
2004

Tgt Ion:128	Resp:	3990
Ion	Ratio	Lower Upper
128	100	
127	11.2	10.6 15.8
129	7.8	8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.412 ug/l
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU045606.D
Acq: 08 Nov 2021 11:42

Tgt Ion:180	Resp:	1051
Ion	Ratio	Lower Upper
180	100	
182	98.4	47.7 143.1
145	31.9	16.7 50.0

