

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111121\
 Data File : VU045733.D
 Acq On : 11 Nov 2021 13:08
 Operator : SY/MD
 Sample : M4608-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SY-6-20211109

Quant Time: Nov 12 06:07:12 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)

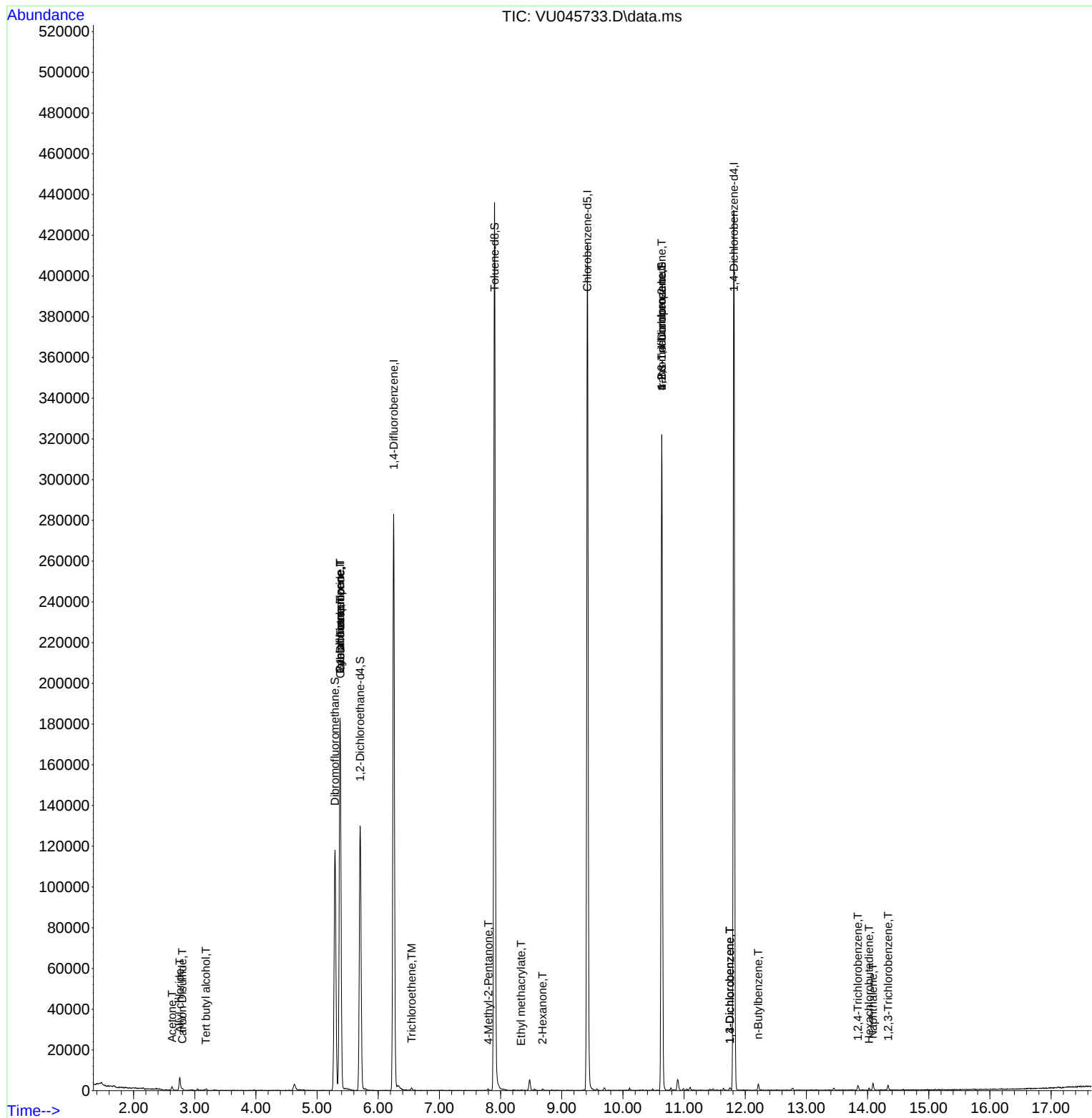
Internal Standards						
1) Pentafluorobenzene	5.375	168	119945	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	221947	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	223970	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	108555	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	96585	53.768	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.540%	
35) Dibromofluoromethane	5.292	113	75873	51.203	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.400%	
50) Toluene-d8	7.902	98	289531	52.545	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 105.100%	
62) 4-Bromofluorobenzene	10.635	95	108568	49.136	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.280%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.182	59	527	1.482	ug/l #	72
14) Allyl chloride	2.755	41	529	0.225	ug/l #	67
16) Acetone	2.629	43	1769	1.935	ug/l	98
17) Carbon Disulfide	2.796	76	954	0.258	ug/l #	76
31) Cyclohexane	5.375	56	2914	1.112	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	10805	4.993	ug/l #	50
38) Carbon Tetrachloride	5.378	117	13403	6.143	ug/l #	16
44) Trichloroethene	6.546	130	336	0.219	ug/l	92
51) 4-Methyl-2-Pentanone	7.799	43	622	0.248	ug/l #	75
56) Ethyl methacrylate	8.336	69	39	2.437	ug/l #	26
59) 2-Hexanone	8.687	43	602	7.802	ug/l	98
76) 1,2,3-Trichloropropane	10.635	75	56869	17.275	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.635	75	56869	56.197	ug/l #	12
87) 1,3-Dichlorobenzene	11.748	146	780	0.224	ug/l	87
88) 1,4-Dichlorobenzene	11.748	146	780	0.222	ug/l	88
89) n-Butylbenzene	12.211	91	1475	0.234	ug/l	94
93) 1,2,4-Trichlorobenzene	13.841	180	1037	0.444	ug/l	93
94) Hexachlorobutadiene	14.024	225	276	0.274	ug/l	80
95) Naphthalene	14.089	128	3270	1.393	ug/l	96
96) 1,2,3-Trichlorobenzene	14.336	180	994	0.428	ug/l #	90

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

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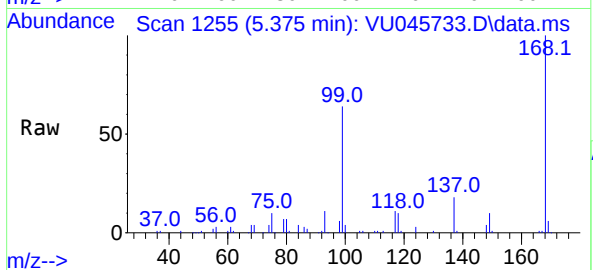
Quant Time: Nov 12 06:07:12 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 05 13:35:16 2021
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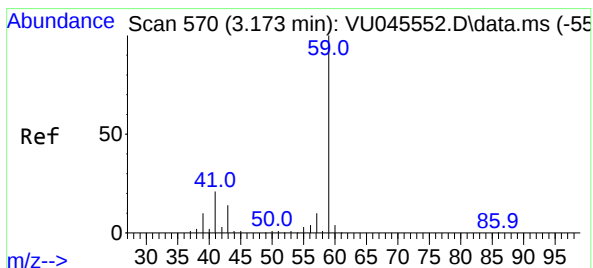
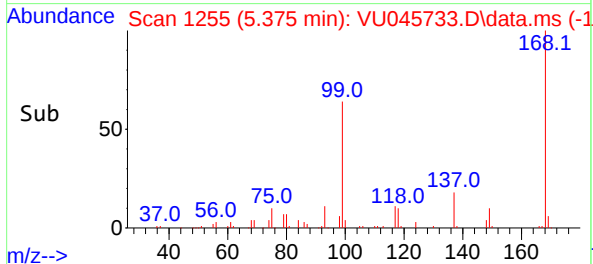
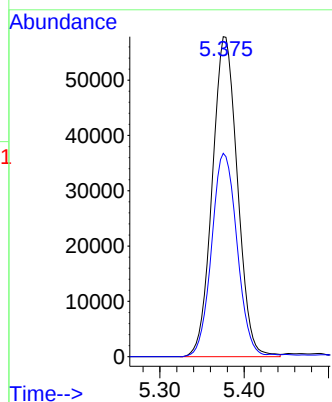


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU045733.D
Acq: 11 Nov 2021 13:08

Instrument :
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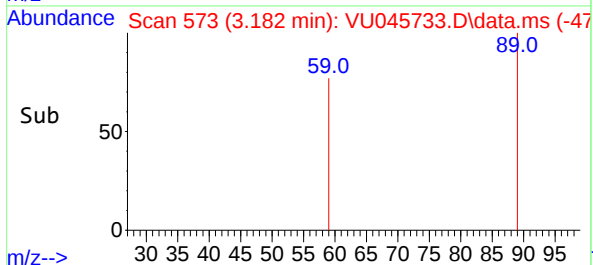
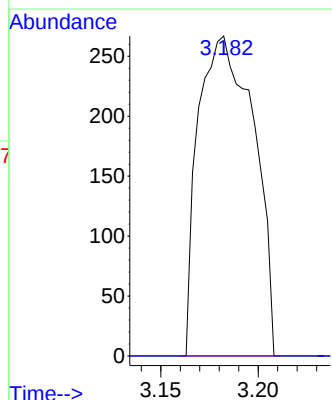
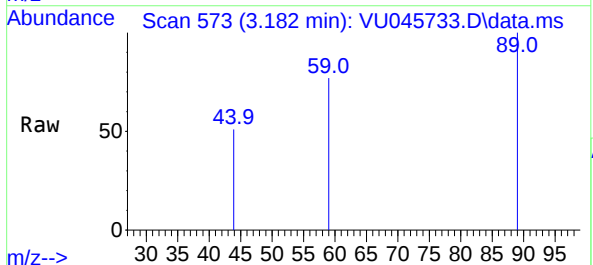


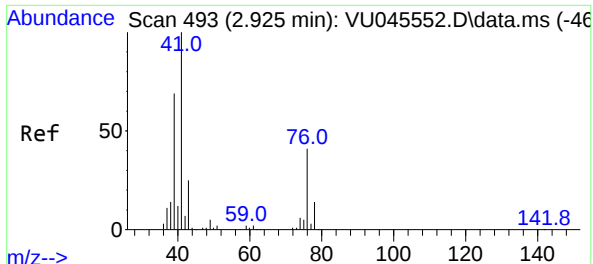
Tgt Ion:168 Resp: 119945
Ion Ratio Lower Upper
168 100
99 63.5 51.0 76.6



#11
Tert butyl alcohol
Concen: 1.482 ug/l
RT: 3.182 min Scan# 573
Delta R.T. 0.010 min
Lab File: VU045733.D
Acq: 11 Nov 2021 13:08

Tgt Ion: 59 Resp: 527
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

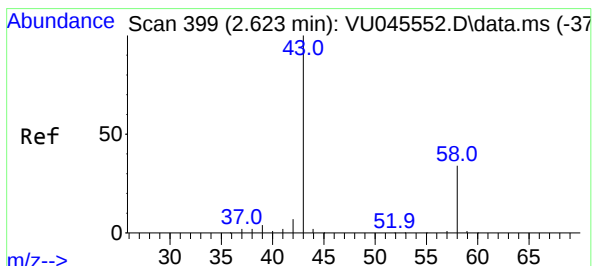
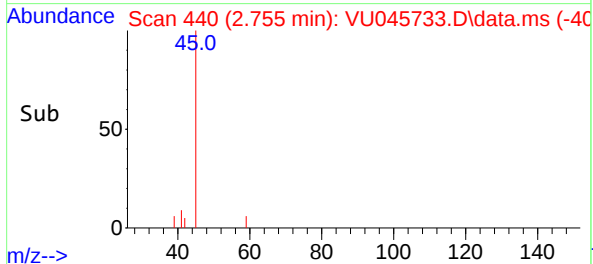
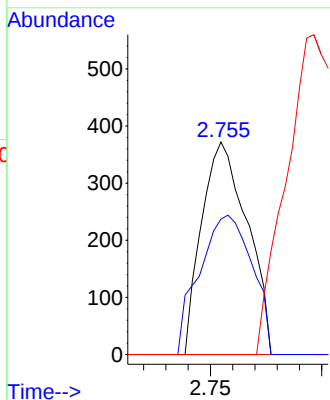
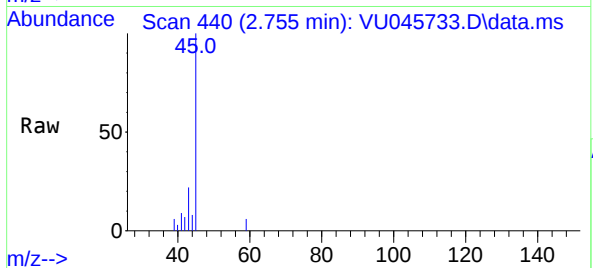




#14
Allyl chloride
Concen: 0.225 ug/l
RT: 2.755 min Scan# 441
Delta R.T. -0.171 min
Lab File: VU045733.D
Acq: 11 Nov 2021 13:08

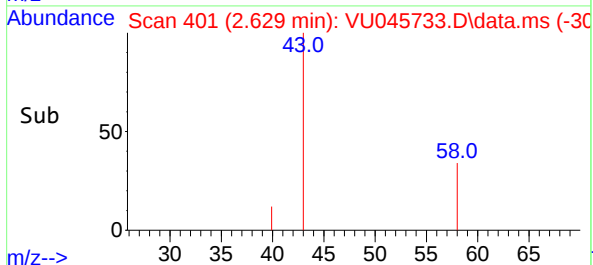
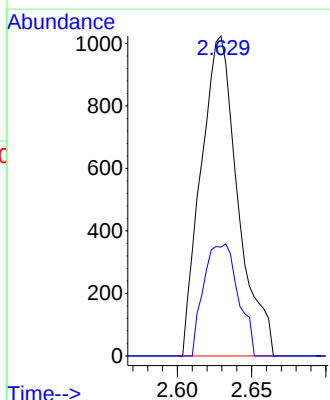
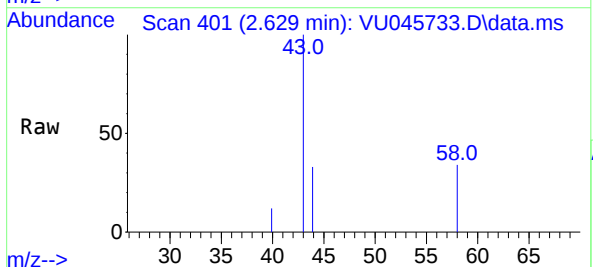
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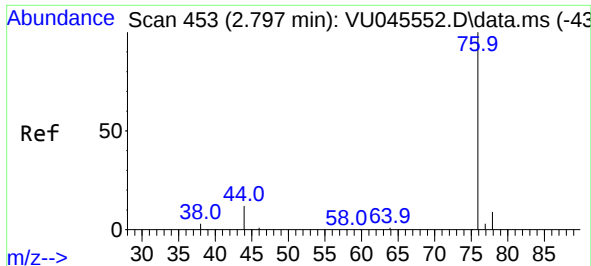
Tgt Ion: 41 Resp: 529
Ion Ratio Lower Upper
41 100
39 76.0 49.7 74.5#
76 0.0 27.7 41.5#



#16
Acetone
Concen: 1.935 ug/l
RT: 2.629 min Scan# 401
Delta R.T. 0.006 min
Lab File: VU045733.D
Acq: 11 Nov 2021 13:08

Tgt Ion: 43 Resp: 1769
Ion Ratio Lower Upper
43 100
58 34.0 26.2 39.2

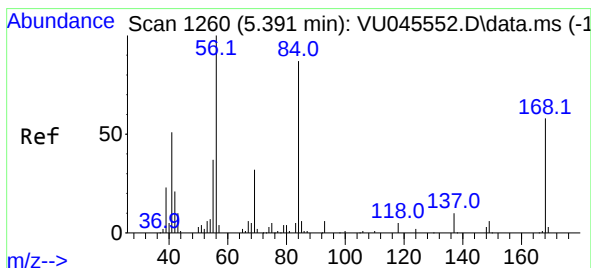
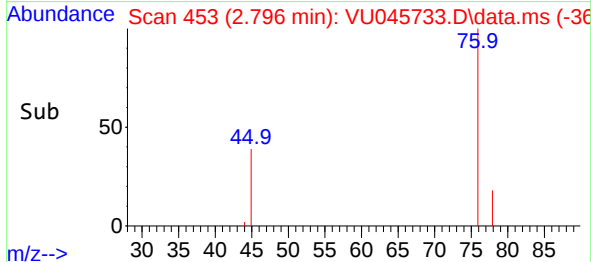
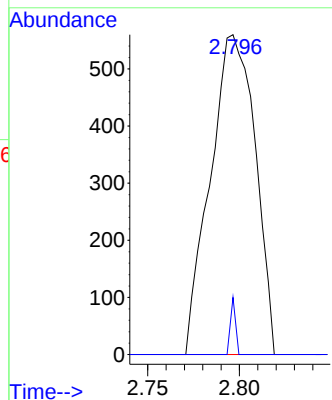
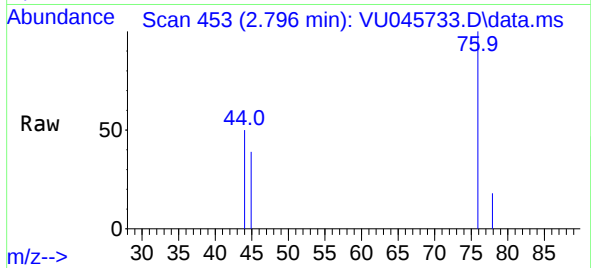




#17
Carbon Disulfide
Concen: 0.258 ug/l
RT: 2.796 min Scan# 41
Delta R.T. -0.000 min
Lab File: VU045733.D
Acq: 11 Nov 2021 13:08

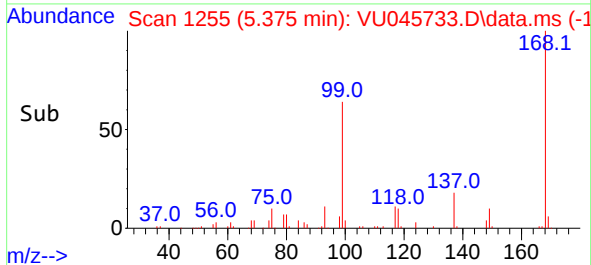
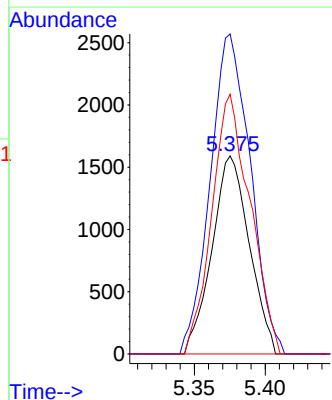
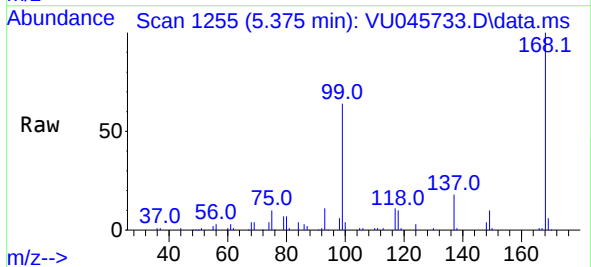
Instrument :
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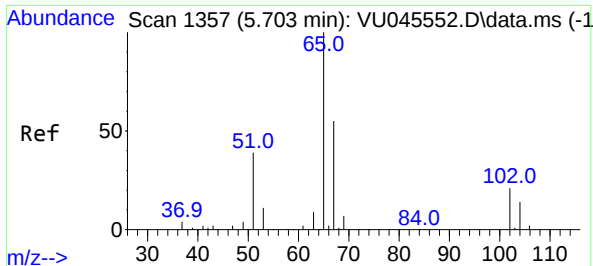
Tgt Ion: 76 Resp: 954
Ion Ratio Lower Upper
76 100
78 17.9 7.3 10.9#



#31
Cyclohexane
Concen: 1.112 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.016 min
Lab File: VU045733.D
Acq: 11 Nov 2021 13:08

Tgt Ion: 56 Resp: 2914
Ion Ratio Lower Upper
56 100
69 161.5 26.4 39.6#
84 131.0 68.4 102.6#

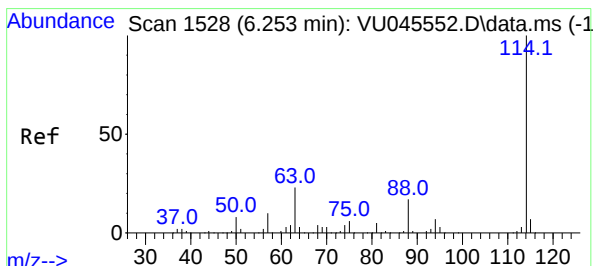
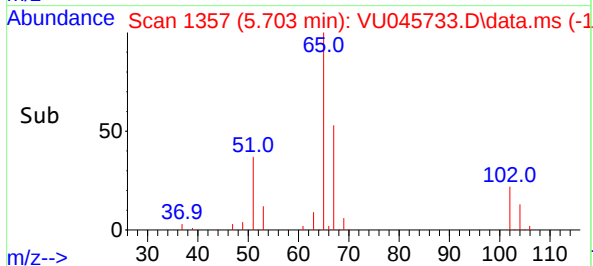
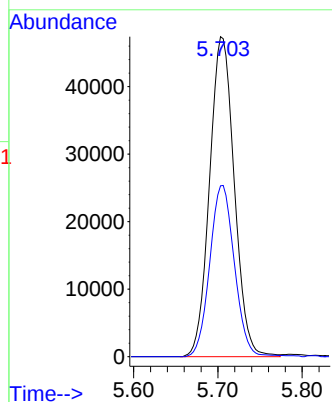
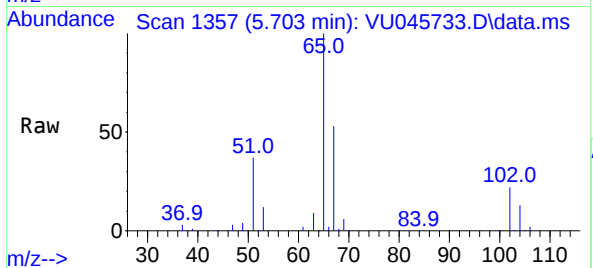




#33
1,2-Dichloroethane-d4
Concen: 53.768 ug/l
RT: 5.703 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU045733.D
Acq: 11 Nov 2021 13:08

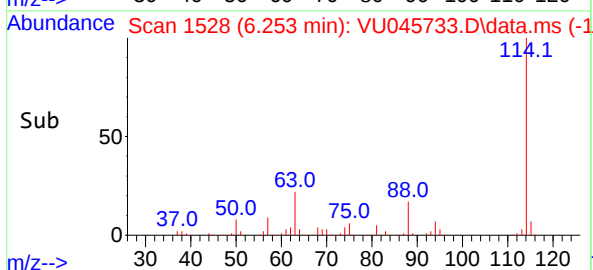
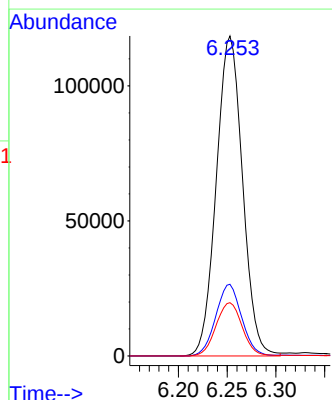
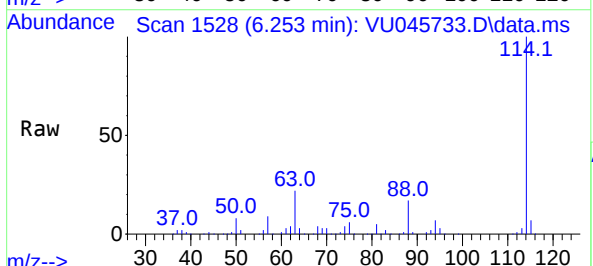
Instrument :
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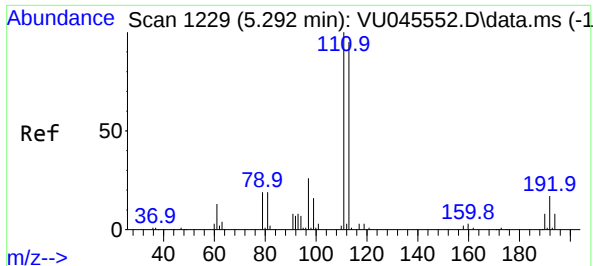
Tgt Ion: 65 Resp: 96585
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. -0.000 min
Lab File: VU045733.D
Acq: 11 Nov 2021 13:08

Tgt Ion: 114 Resp: 221947
Ion Ratio Lower Upper
114 100
63 22.4 0.0 45.6
88 16.7 0.0 33.8

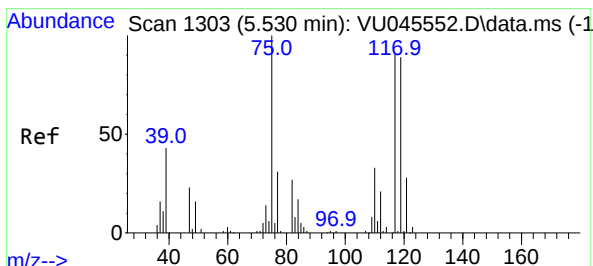
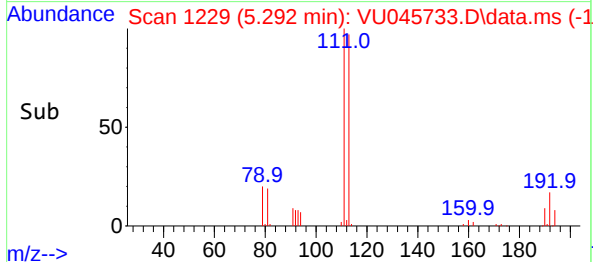
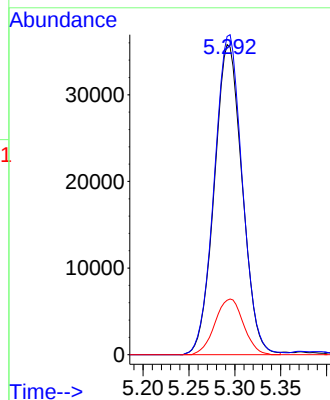
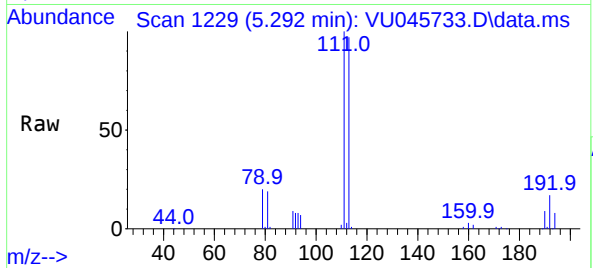




#35
Dibromofluoromethane
Concen: 51.203 ug/l
RT: 5.292 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU045733.D
Acq: 11 Nov 2021 13:08

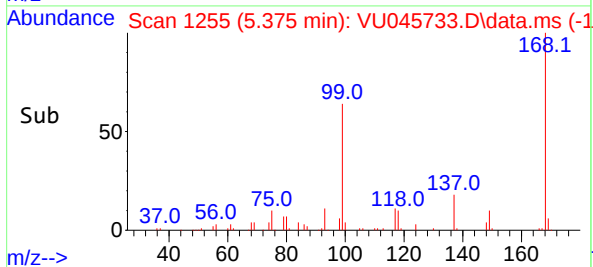
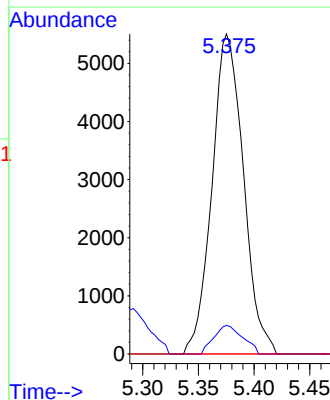
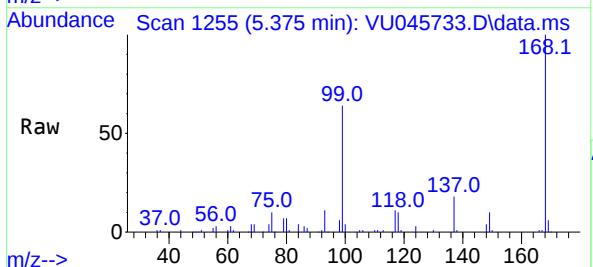
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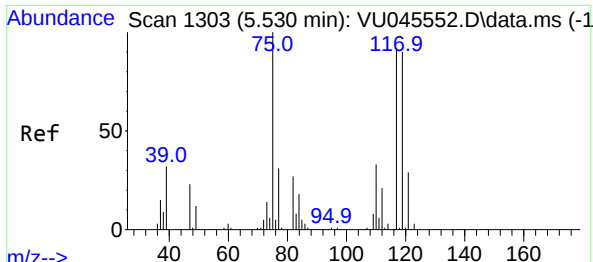
Tgt Ion:113 Resp: 75873
Ion Ratio Lower Upper
113 100
111 103.2 82.8 124.2
192 18.3 14.8 22.2



#36
1,1-Dichloropropene
Concen: 4.993 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.154 min
Lab File: VU045733.D
Acq: 11 Nov 2021 13:08

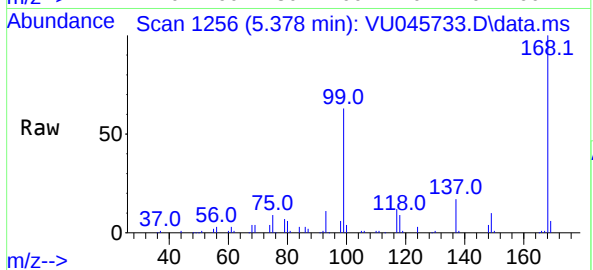
Tgt Ion: 75 Resp: 10805
Ion Ratio Lower Upper
75 100
110 8.2 16.7 50.0#
77 0.0 25.0 37.4#



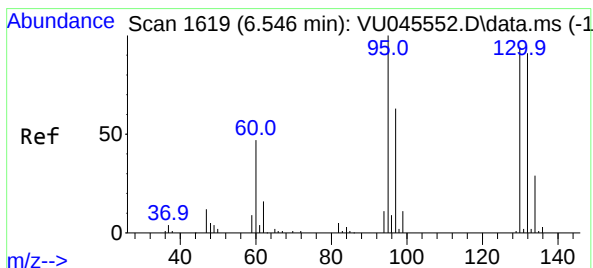
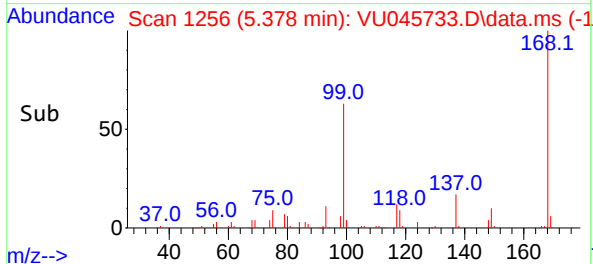
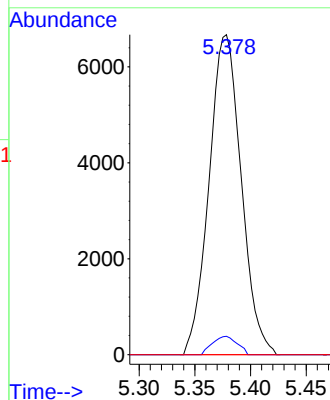


#38
Carbon Tetrachloride
Concen: 6.143 ug/l
RT: 5.378 min Scan# 117
Delta R.T. -0.151 min
Lab File: VU045733.D
Acq: 11 Nov 2021 13:08

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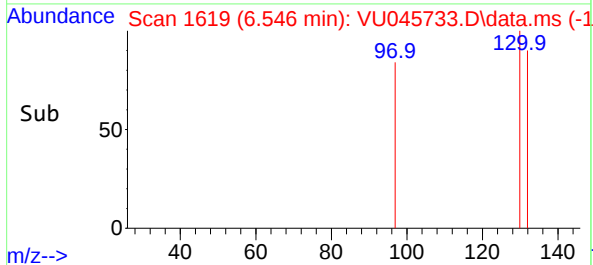
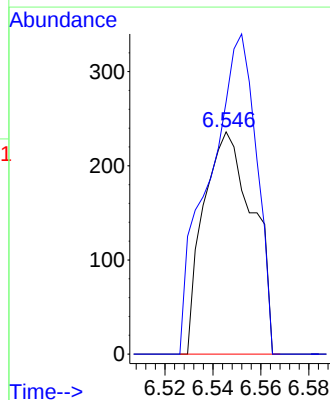
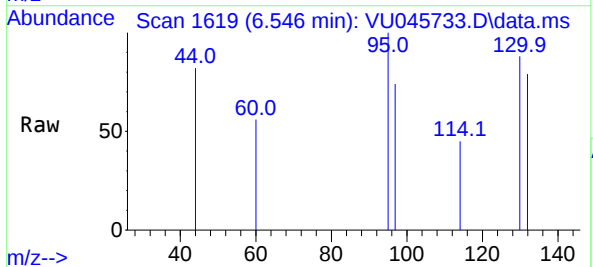


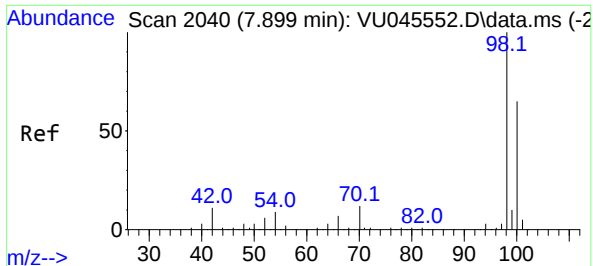
Tgt Ion:117 Resp: 13403
Ion Ratio Lower Upper
117 100
119 5.8 77.4 116.0#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 0.219 ug/l
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU045733.D
Acq: 11 Nov 2021 13:08

Tgt Ion:130 Resp: 336
Ion Ratio Lower Upper
130 100
95 113.6 0.0 211.4

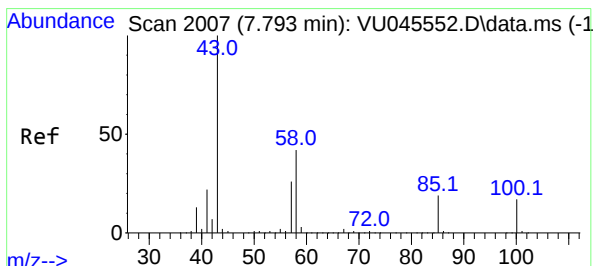
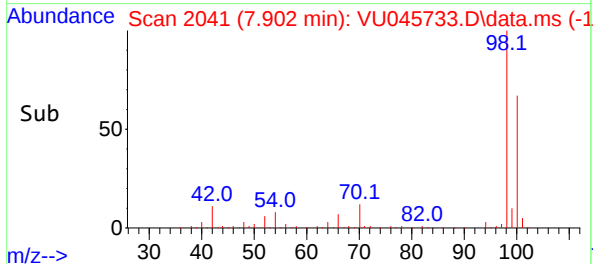
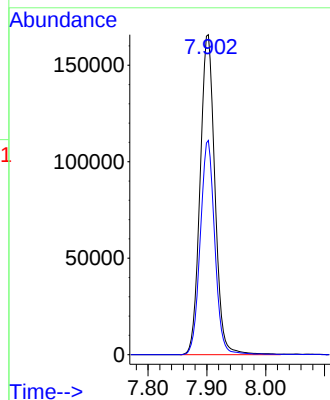
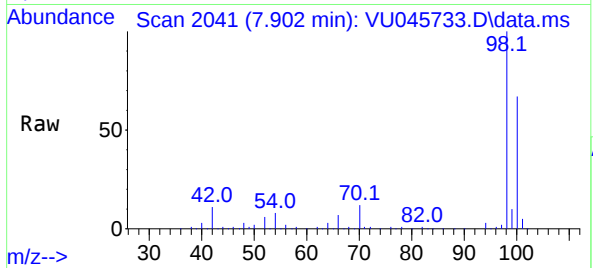




#50
Toluene-d8
Concen: 52.545 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. 0.003 min
Lab File: VU045733.D
Acq: 11 Nov 2021 13:08

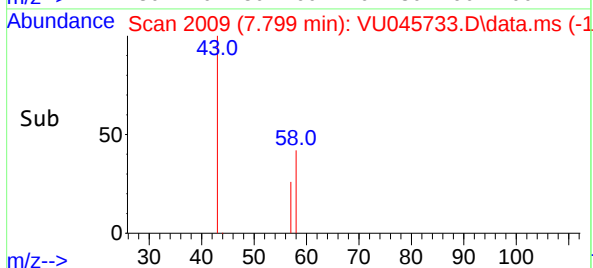
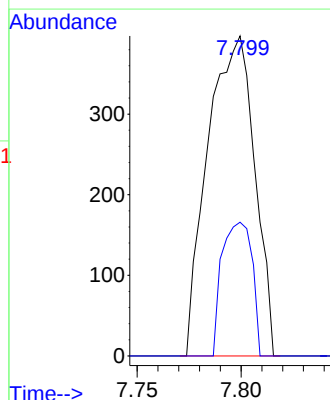
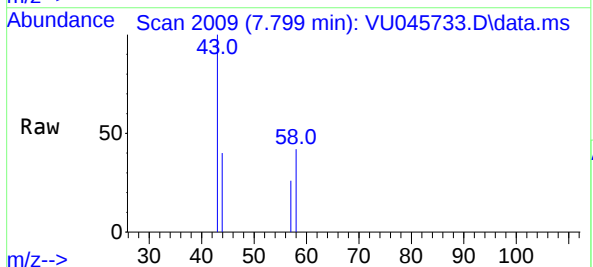
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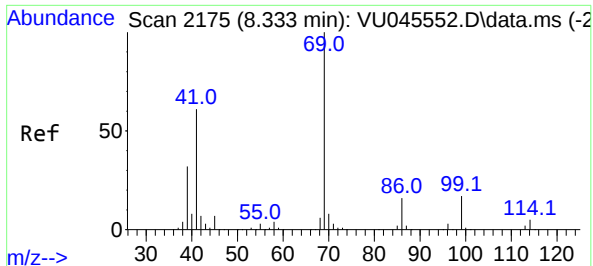
Tgt Ion: 98 Resp: 289531
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.248 ug/l
RT: 7.799 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VU045733.D
Acq: 11 Nov 2021 13:08

Tgt Ion: 43 Resp: 622
Ion Ratio Lower Upper
43 100
58 26.7 33.8 50.8#





#56

Ethyl methacrylate

Concen: 2.437 ug/l

RT: 8.336 min Scan# 2176

Delta R.T. 0.003 min

Lab File: VU045733.D

Acq: 11 Nov 2021 13:08

Instrument :

MSVOA_U

ClientSampleId :

SY-6-20211109

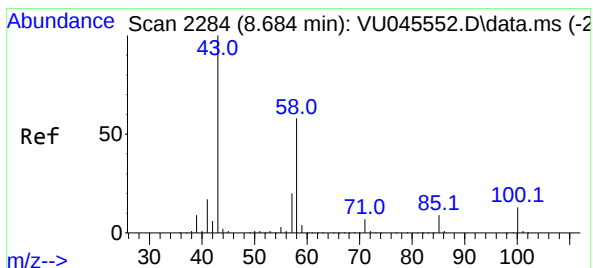
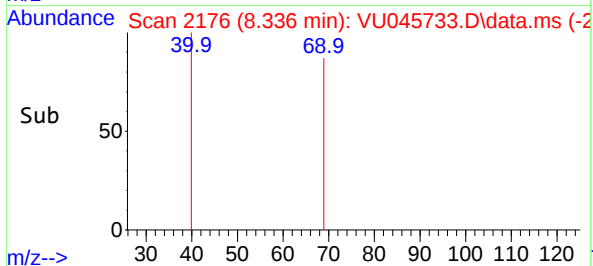
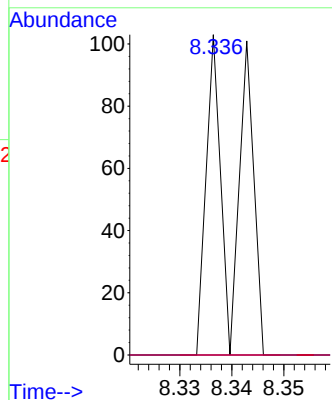
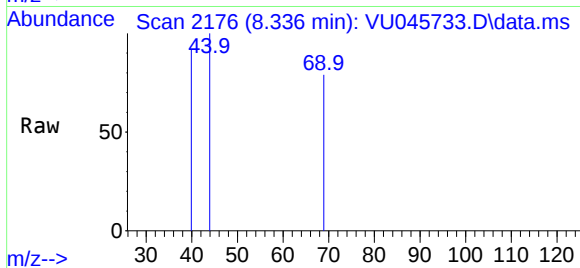
Tgt Ion: 69 Resp: 39

Ion Ratio Lower Upper

69 100

41 0.0 51.0 76.4#

39 0.0 26.6 39.8#



#59

2-Hexanone

Concen: 7.802 ug/l

RT: 8.687 min Scan# 2285

Delta R.T. 0.003 min

Lab File: VU045733.D

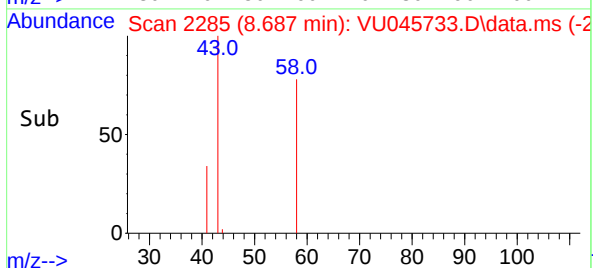
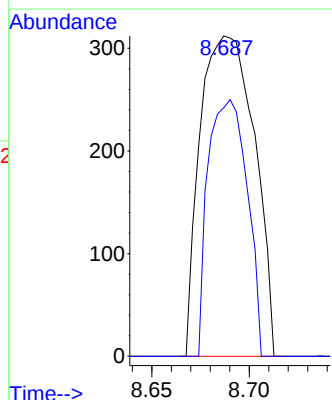
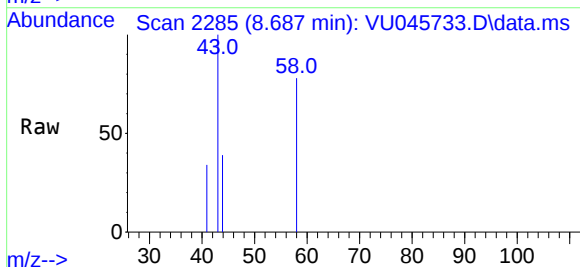
Acq: 11 Nov 2021 13:08

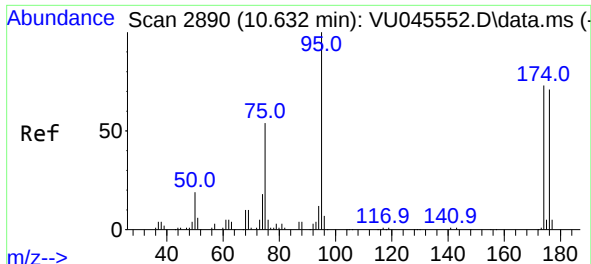
Tgt Ion: 43 Resp: 602

Ion Ratio Lower Upper

43 100

58 57.5 29.5 88.6

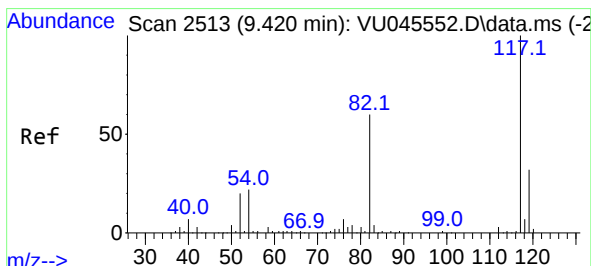
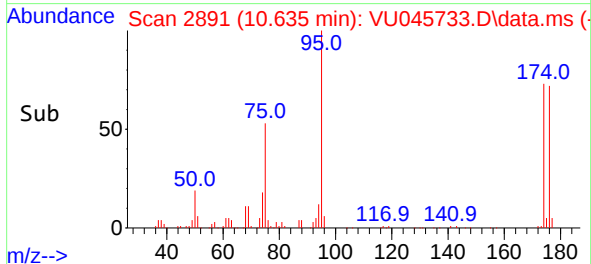
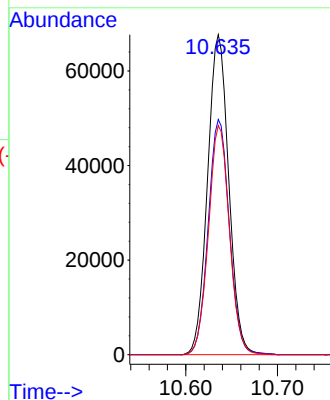
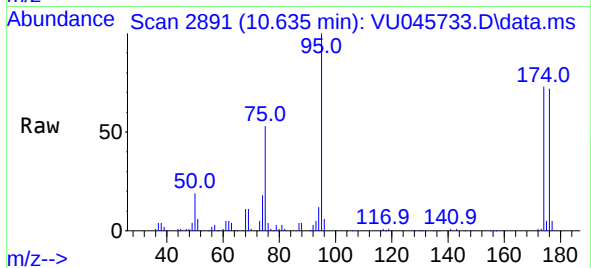




#62
4-Bromofluorobenzene
Concen: 49.136 ug/l
RT: 10.635 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU045733.D
Acq: 11 Nov 2021 13:08

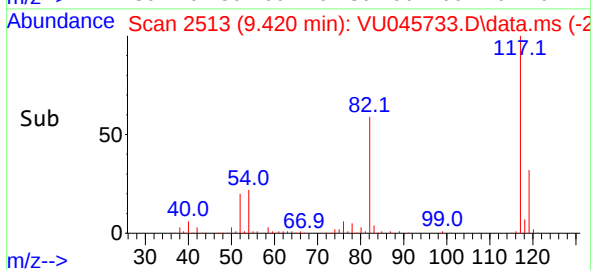
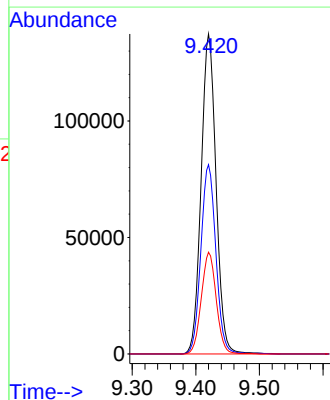
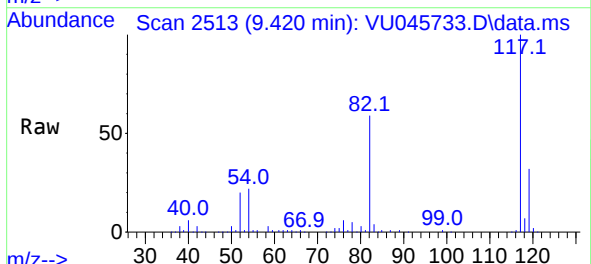
Instrument :
MSVOA_U
ClientSampleId :
SY-6-20211109

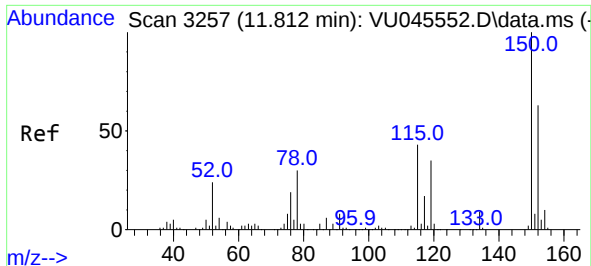
Tgt Ion: 95 Resp: 108568
Ion Ratio Lower Upper
95 100
174 73.6 0.0 141.8
176 70.6 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045733.D
Acq: 11 Nov 2021 13:08

Tgt Ion: 117 Resp: 223970
Ion Ratio Lower Upper
117 100
82 59.1 47.8 71.8
119 31.8 25.8 38.8

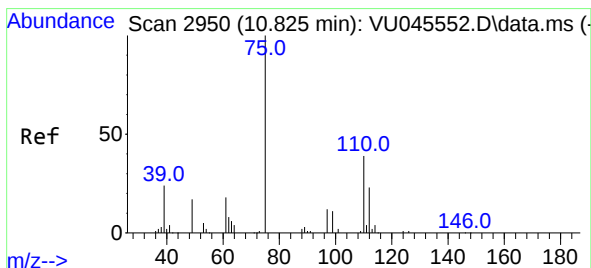
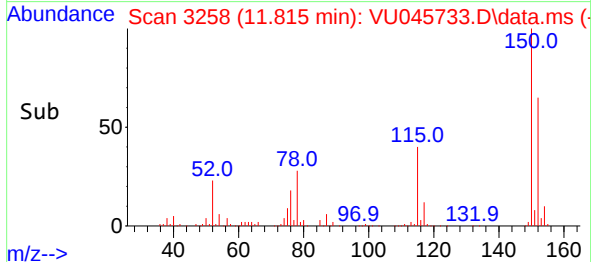
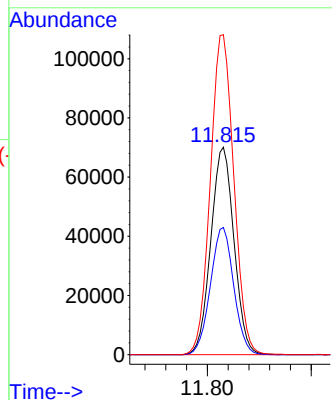
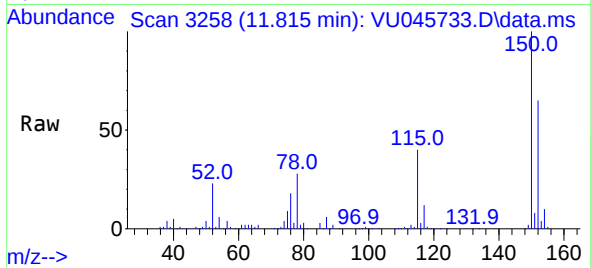




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.815 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU045733.D
Acq: 11 Nov 2021 13:08

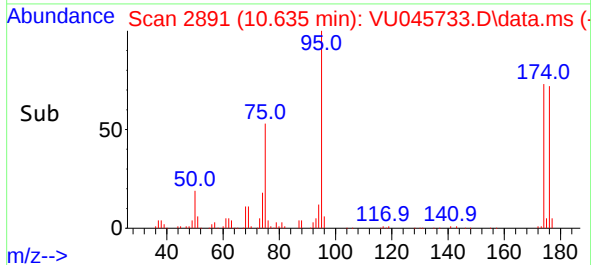
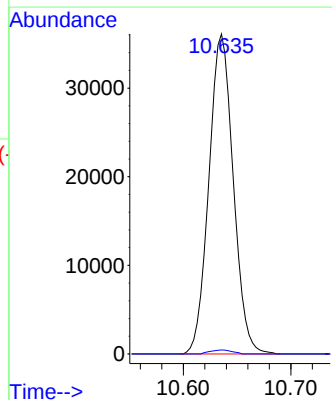
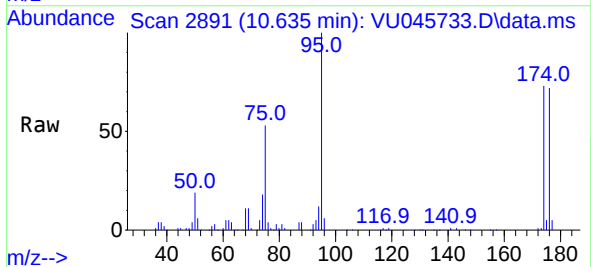
Instrument :
MSVOA_U
ClientSampleId :
SY-6-20211109

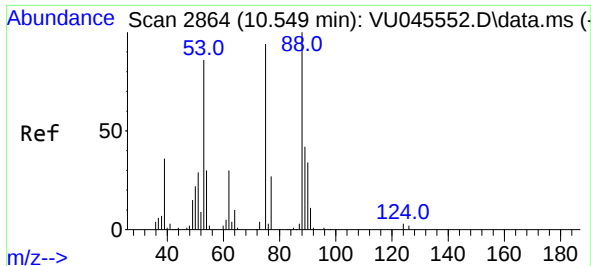
Tgt Ion:152 Resp: 108555
Ion Ratio Lower Upper
152 100
115 61.7 42.7 128.1
150 156.3 0.0 346.8



#76
1,2,3-Trichloropropane
Concen: 17.275 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.190 min
Lab File: VU045733.D
Acq: 11 Nov 2021 13:08

Tgt Ion: 75 Resp: 56869
Ion Ratio Lower Upper
75 100
77 1.1 17.1 51.3#

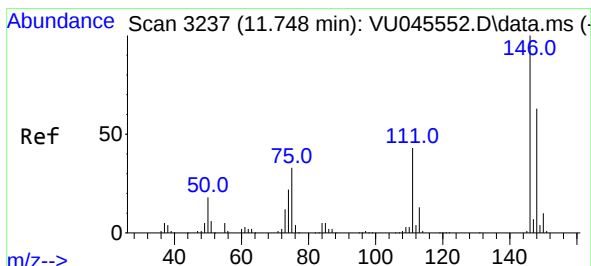
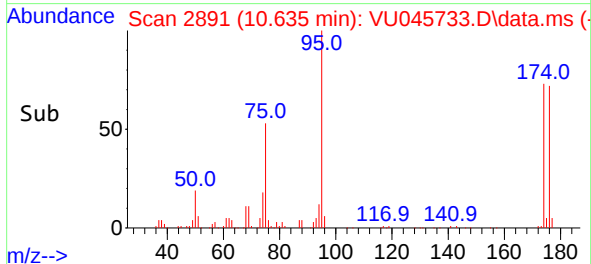
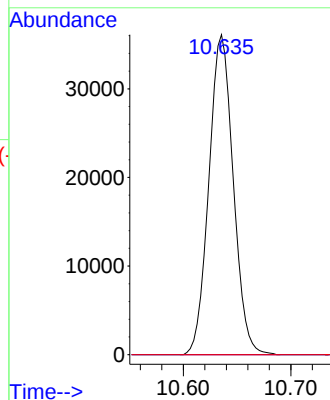
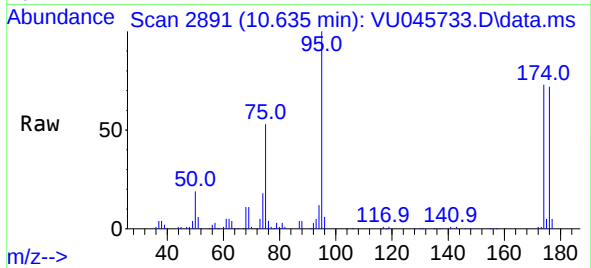




#81
trans-1,4-Dichloro-2-butene
Concen: 56.197 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.086 min
Lab File: VU045733.D
Acq: 11 Nov 2021 13:08

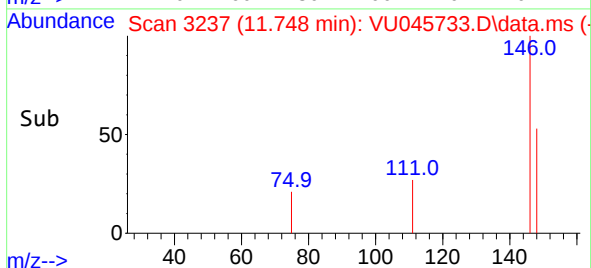
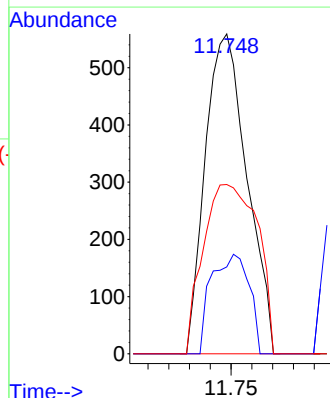
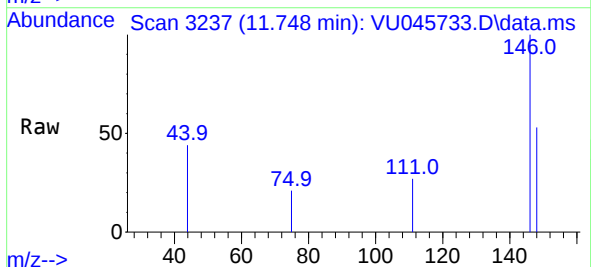
Instrument :
MSVOA_U
ClientSampleId :
SY-6-20211109

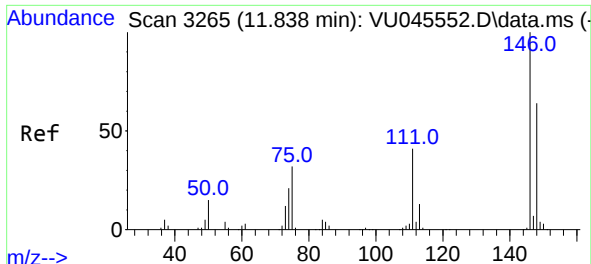
Tgt Ion: 75 Resp: 56869
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#



#87
1,3-Dichlorobenzene
Concen: 0.224 ug/l
RT: 11.748 min Scan# 3237
Delta R.T. -0.000 min
Lab File: VU045733.D
Acq: 11 Nov 2021 13:08

Tgt Ion:146 Resp: 780
Ion Ratio Lower Upper
146 100
111 28.1 21.3 63.9
148 68.8 31.7 95.1





#88

1,4-Dichlorobenzene

Concen: 0.222 ug/l

RT: 11.748 min Scan# 31

Delta R.T. -0.090 min

Lab File: VU045733.D

Acq: 11 Nov 2021 13:08

Instrument :

MSVOA_U

ClientSampleId :

SY-6-20211109

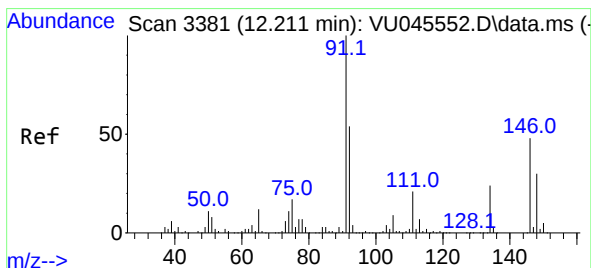
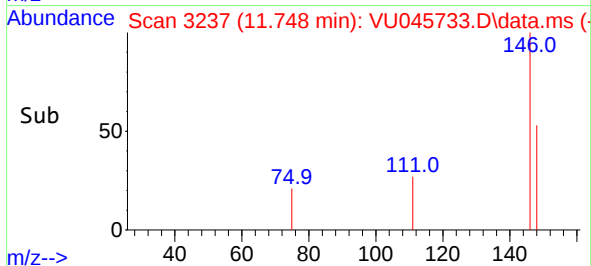
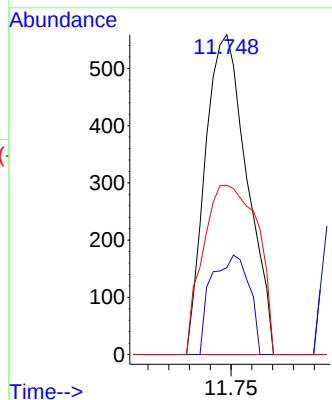
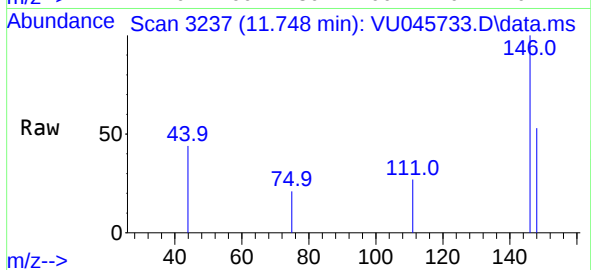
Tgt Ion:146 Resp: 780

Ion Ratio Lower Upper

146 100

111 28.1 20.6 61.9

148 68.8 31.9 95.7



#89

n-Butylbenzene

Concen: 0.234 ug/l

RT: 12.211 min Scan# 3381

Delta R.T. -0.000 min

Lab File: VU045733.D

Acq: 11 Nov 2021 13:08

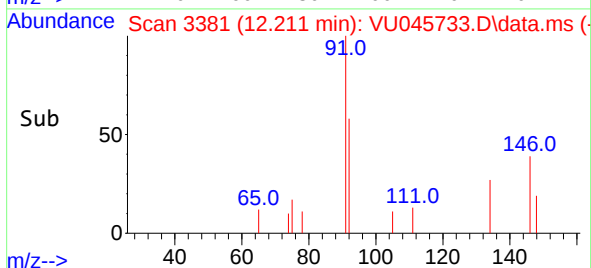
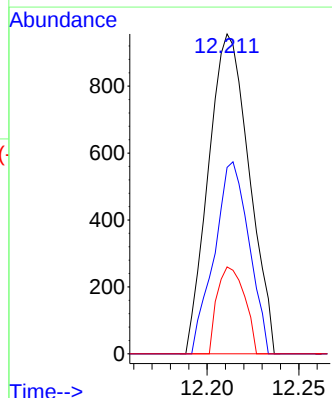
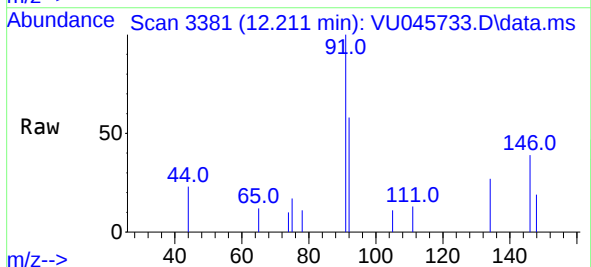
Tgt Ion: 91 Resp: 1475

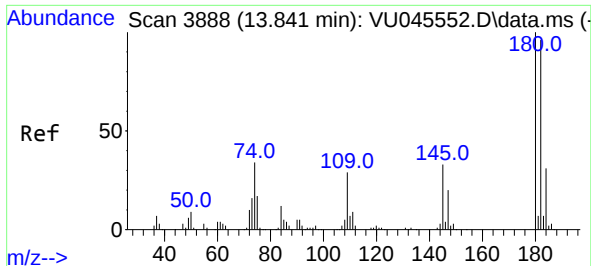
Ion Ratio Lower Upper

91 100

92 51.1 27.1 81.2

134 18.2 11.8 35.4

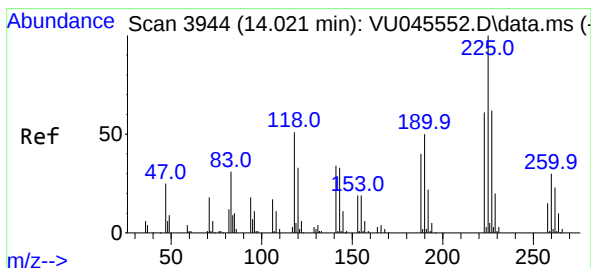
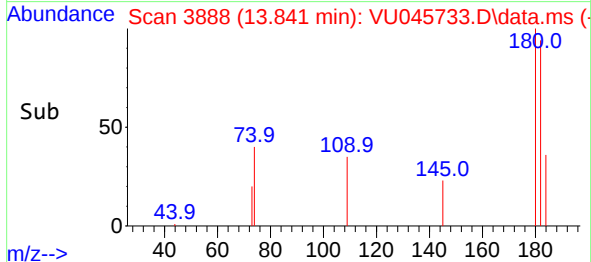
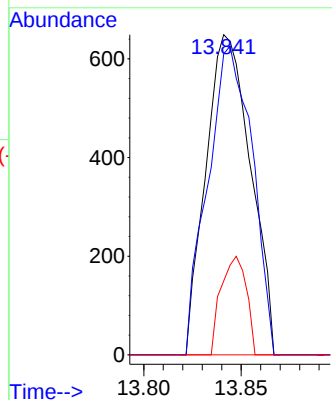
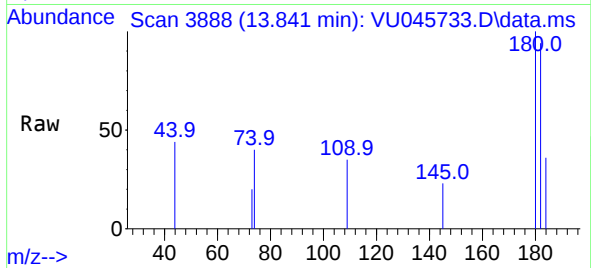




#93
1,2,4-Trichlorobenzene
Concen: 0.444 ug/l
RT: 13.841 min Scan# 3888
Delta R.T. -0.000 min
Lab File: VU045733.D
Acq: 11 Nov 2021 13:08

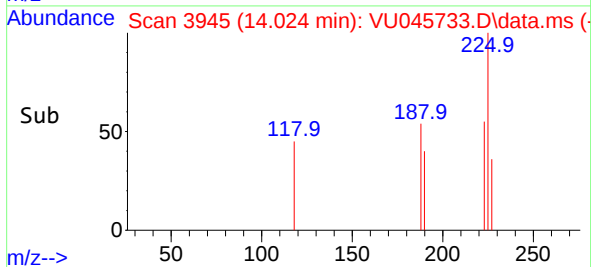
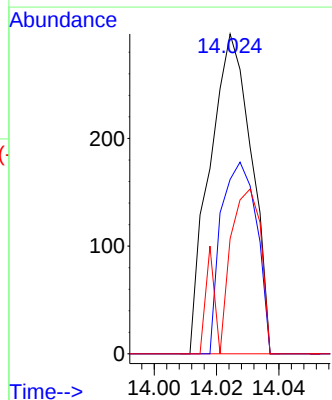
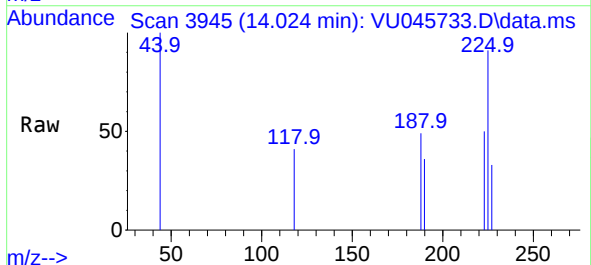
Instrument :
MSVOA_U
ClientSampleId :
SY-6-20211109

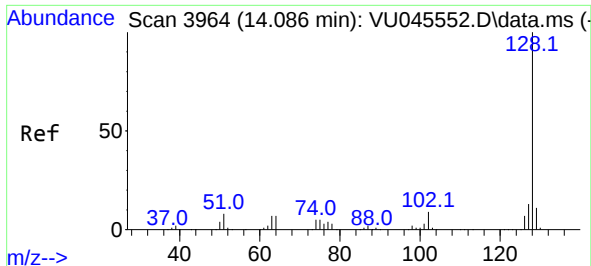
Tgt Ion:180 Resp: 1037
Ion Ratio Lower Upper
180 100
182 95.7 47.0 141.2
145 17.4 15.6 46.7



#94
Hexachlorobutadiene
Concen: 0.274 ug/l
RT: 14.024 min Scan# 3945
Delta R.T. 0.003 min
Lab File: VU045733.D
Acq: 11 Nov 2021 13:08

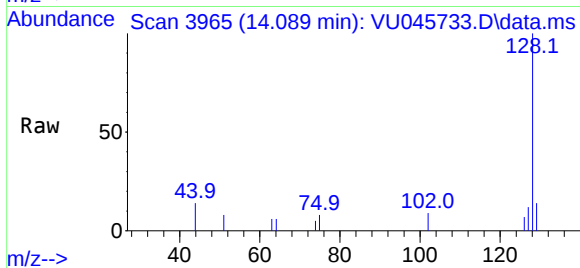
Tgt Ion:225 Resp: 276
Ion Ratio Lower Upper
225 100
223 51.1 32.0 96.2
227 43.8 31.1 93.5





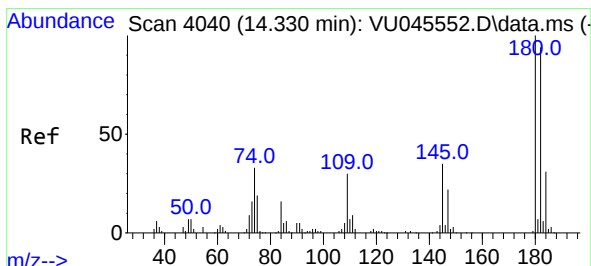
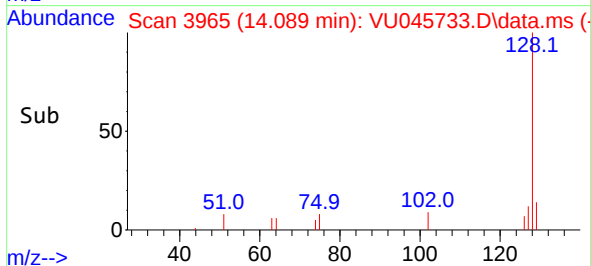
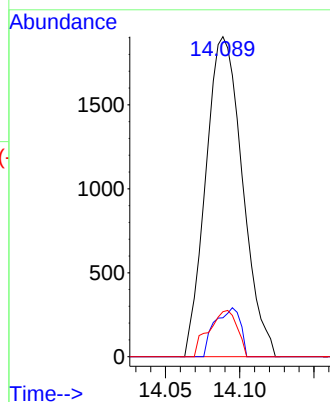
#95
Naphthalene
Concen: 1.393 ug/l
RT: 14.089 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU045733.D
Acq: 11 Nov 2021 13:08

Instrument :
MSVOA_U
ClientSampleId :
SY-6-20211109



Tgt Ion:128 Resp: 3270

Ion	Ratio	Lower	Upper
128	100		
127	10.6	10.6	15.8
129	11.2	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.428 ug/l
RT: 14.336 min Scan# 4042
Delta R.T. 0.006 min
Lab File: VU045733.D
Acq: 11 Nov 2021 13:08

Tgt Ion:180 Resp: 994

Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.7	143.1
145	15.9	16.7	50.0#

