

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092821\
 Data File : VU044937.D
 Acq On : 28 Sep 2021 13:32
 Operator : SY/MD
 Sample : VU0928MBL01
 Misc : 5.0g/10mL/100uL/5.00mL/MSVOA_U/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928MBL01

Quant Time: Sep 28 15:52:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 12:32:13 2021
 Response via : Initial Calibration

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

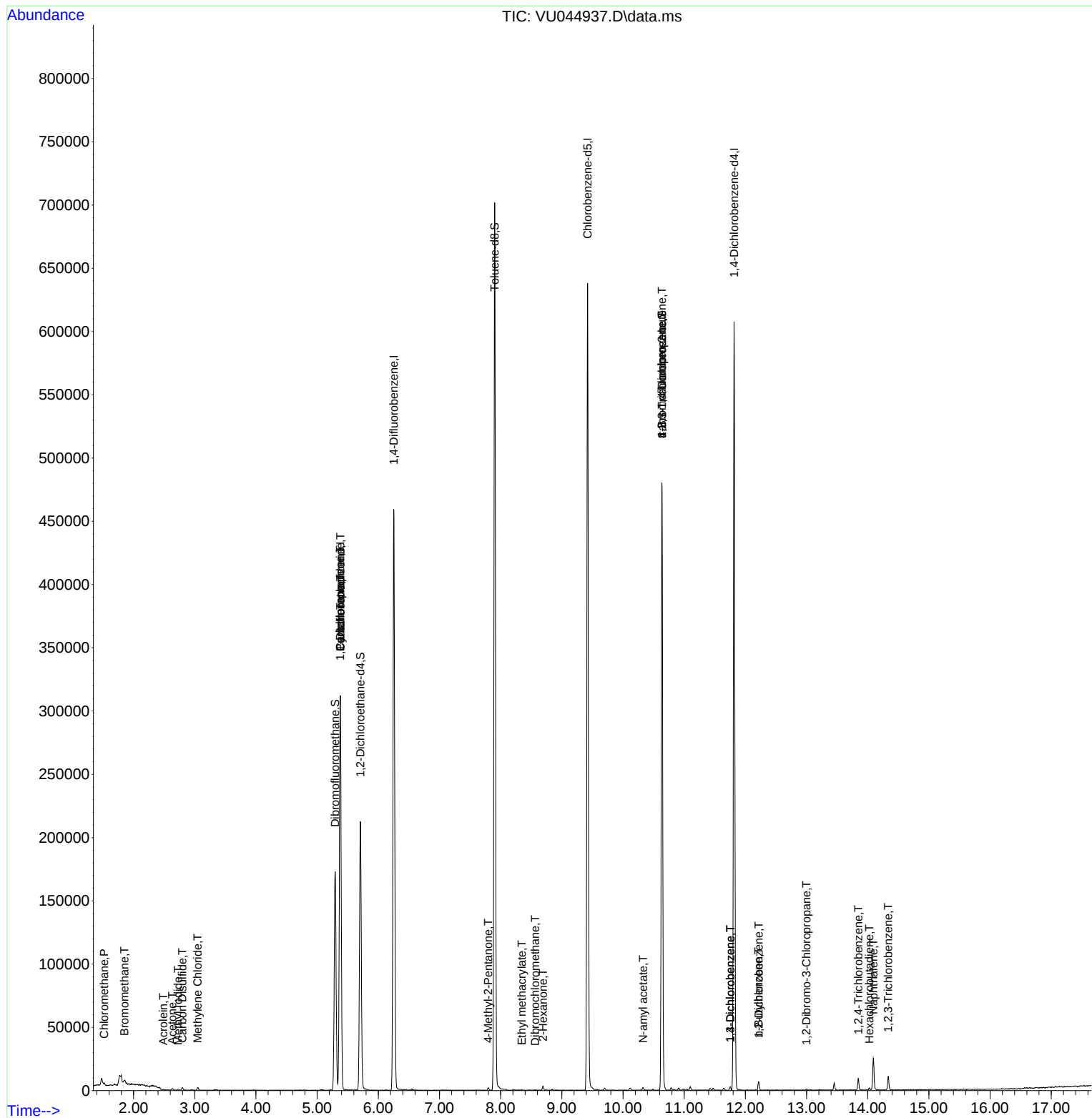
Internal Standards						
1) Pentafluorobenzene	5.379	168	202910	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	356329	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	328603	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	148191	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.707	65	160188	47.425	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.860%
35) Dibromofluoromethane	5.295	113	112955	50.250	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.500%
50) Toluene-d8	7.903	98	450019	50.669	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.340%
62) 4-Bromofluorobenzene	10.636	95	160713	43.829	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.660%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1070	0.329	ug/l	97
5) Bromomethane	1.851	94	1523	1.195	ug/l	93
10) Methyl Iodide	2.726	142	756	0.290	ug/l #	74
13) Acrolein	2.488	56	71	3.496	ug/l #	14
16) Acetone	2.633	43	1464	0.730	ug/l	89
17) Carbon Disulfide	2.797	76	2660	0.375	ug/l	99
20) Methylene Chloride	3.047	84	982	0.325	ug/l	94
31) Cyclohexane	5.379	56	5156	1.005	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	18809	5.048	ug/l #	49
38) Carbon Tetrachloride	5.379	117	21280	6.600	ug/l #	15
51) 4-Methyl-2-Pentanone	7.796	43	1481	0.274	ug/l	100
56) Ethyl methacrylate	8.346	69	324	1.876	ug/l #	45
59) 2-Hexanone	8.690	43	2756	0.627	ug/l	82
60) Dibromochloromethane	8.565	129	43	2.190	ug/l #	10
74) N-amyl acetate	10.327	43	1415	0.255	ug/l #	89
76) 1,2,3-Trichloropropane	10.636	75	87547	20.254	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.636	75	87547	56.208	ug/l #	9
87) 1,3-Dichlorobenzene	11.755	146	1314	0.257	ug/l	96
88) 1,4-Dichlorobenzene	11.755	146	1314	0.252	ug/l	95
89) n-Butylbenzene	12.214	91	2692	0.300	ug/l	98
91) 1,2-Dichlorobenzene	12.221	146	1321	0.253	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.996	75	289	0.257	ug/l	66
93) 1,2,4-Trichlorobenzene	13.848	180	2992	1.029	ug/l	95
94) Hexachlorobutadiene	14.025	225	311	0.256	ug/l	95
95) Naphthalene	14.092	128	20135	1.841	ug/l	99
96) 1,2,3-Trichlorobenzene	14.333	180	3388	1.160	ug/l	98

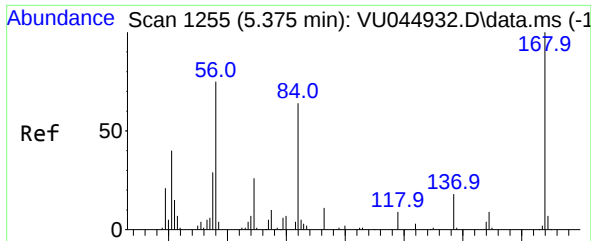
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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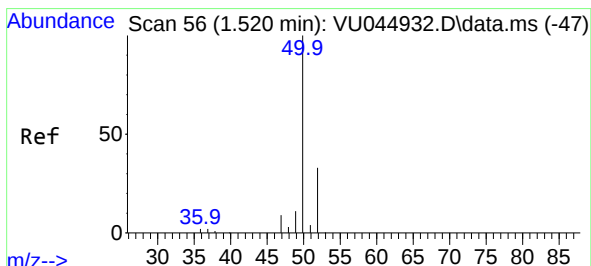
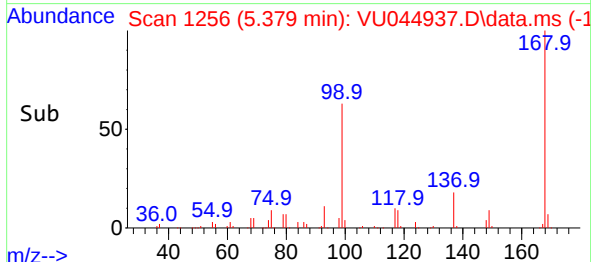
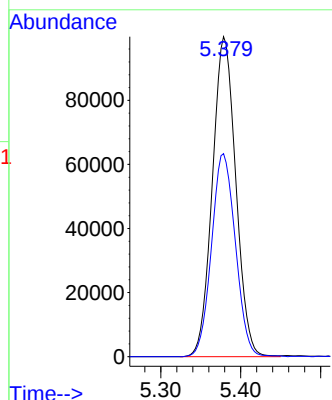
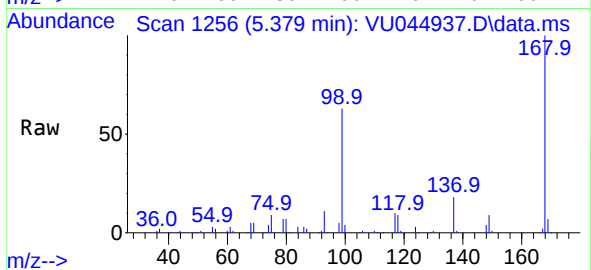




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 11
Delta R.T. 0.004 min
Lab File: VU044937.D
Acq: 28 Sep 2021 13:32

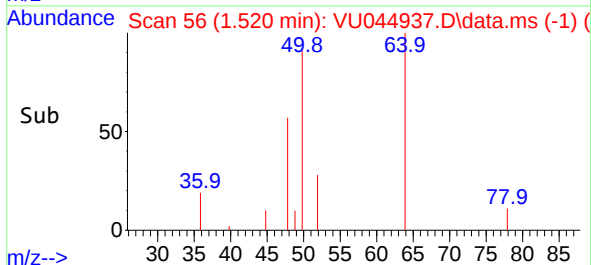
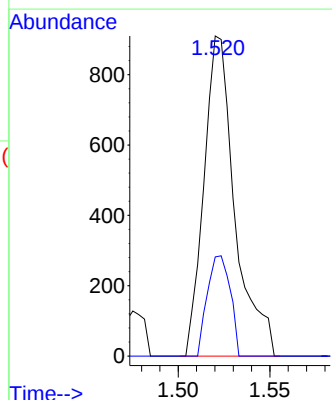
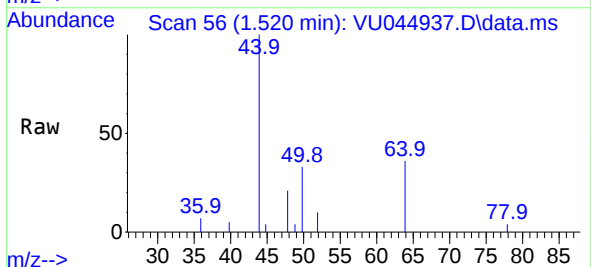
Instrument :
MSVOA_U
ClientSampleId :
VU0928MBL01

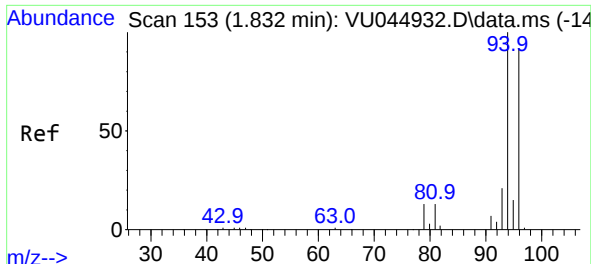
Tgt Ion:168 Resp: 202910
Ion Ratio Lower Upper
168 100
99 63.4 51.4 77.0



#3
Chloromethane
Concen: 0.329 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU044937.D
Acq: 28 Sep 2021 13:32

Tgt Ion: 50 Resp: 1070
Ion Ratio Lower Upper
50 100
52 31.0 26.3 39.5

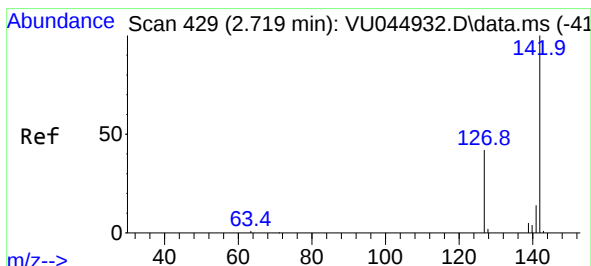
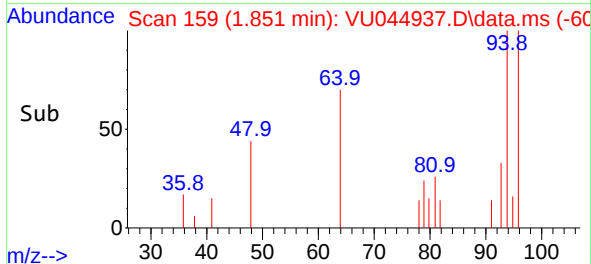
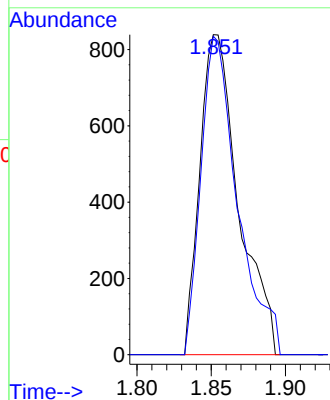
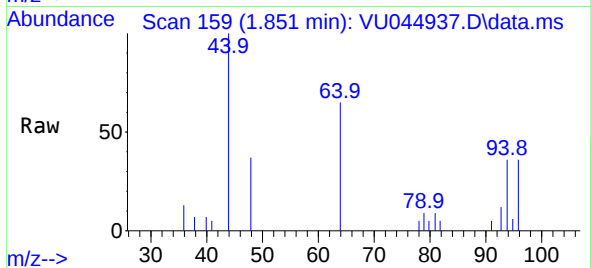




#5
Bromomethane
Concen: 1.195 ug/l
RT: 1.851 min Scan# 11
Delta R.T. 0.019 min
Lab File: VU044937.D
Acq: 28 Sep 2021 13:32

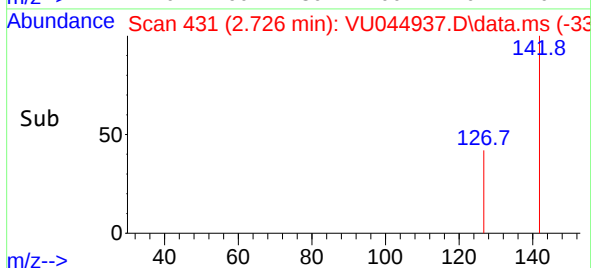
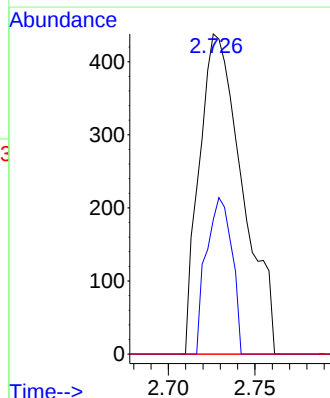
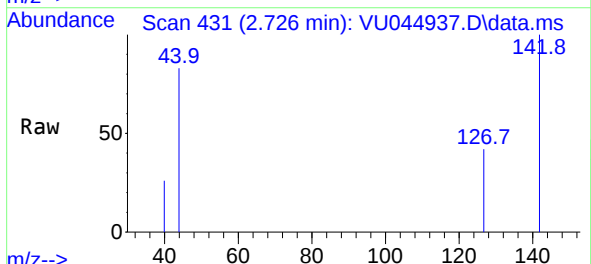
Instrument :
MSVOA_U
ClientSampleId :
VU0928MBL01

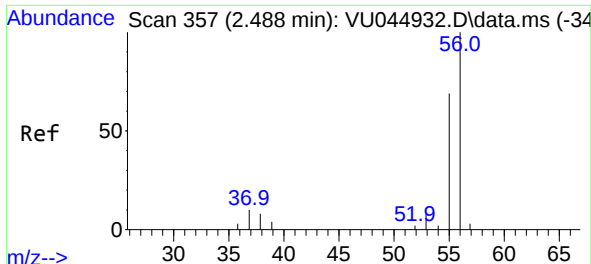
Tgt Ion: 94 Resp: 1523
Ion Ratio Lower Upper
94 100
96 99.5 74.5 111.7



#10
Methyl Iodide
Concen: 0.290 ug/l
RT: 2.726 min Scan# 431
Delta R.T. 0.007 min
Lab File: VU044937.D
Acq: 28 Sep 2021 13:32

Tgt Ion: 142 Resp: 756
Ion Ratio Lower Upper
142 100
127 29.0 35.6 53.4#
141 0.0 11.3 16.9#

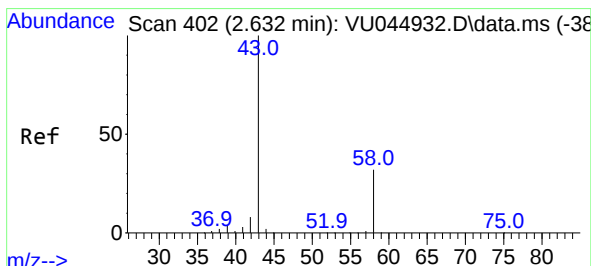
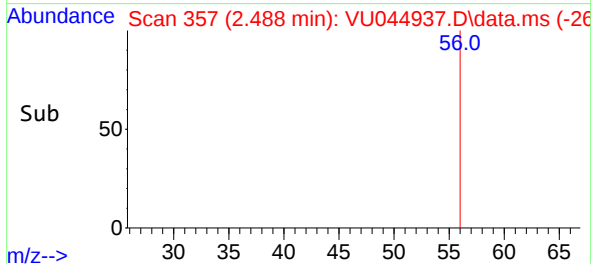
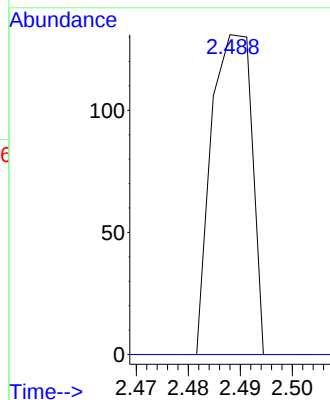
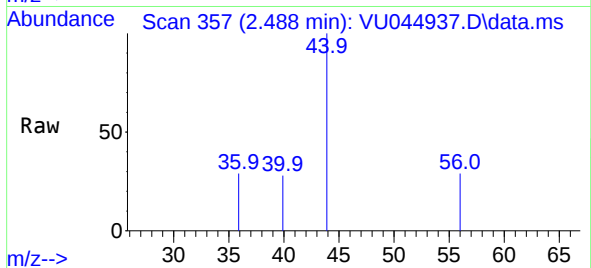




#13
Acrolein
Concen: 3.496 ug/l
RT: 2.488 min Scan# 357
Delta R.T. 0.000 min
Lab File: VU044937.D
Acq: 28 Sep 2021 13:32

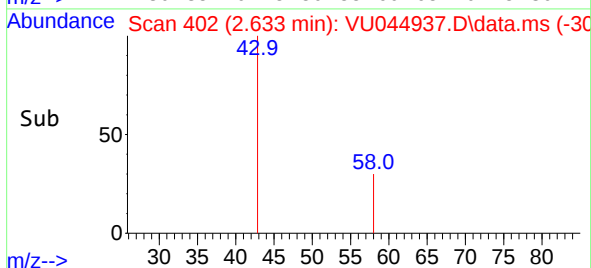
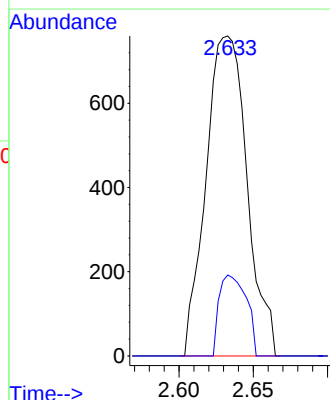
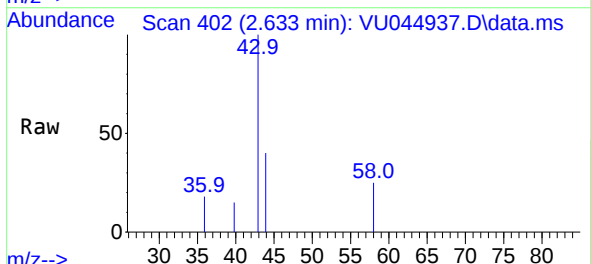
Instrument :
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VU0928MBL01

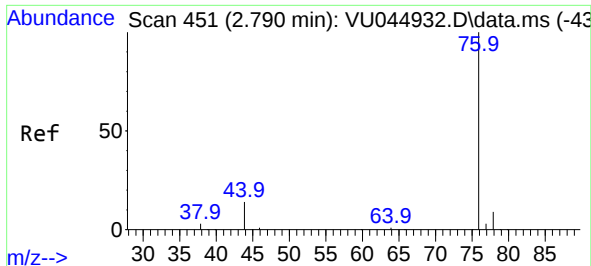
Tgt Ion: 56 Resp: 71
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: 0.730 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.001 min
Lab File: VU044937.D
Acq: 28 Sep 2021 13:32

Tgt Ion: 43 Resp: 1464
Ion Ratio Lower Upper
43 100
58 25.3 25.2 37.8

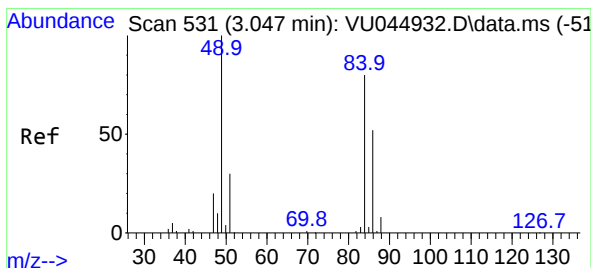
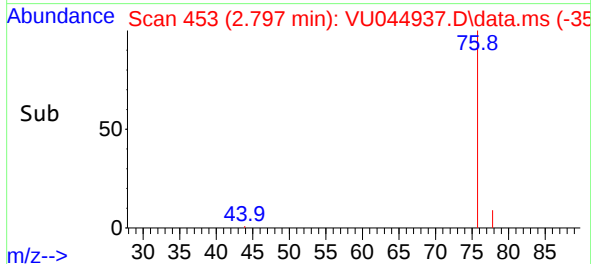
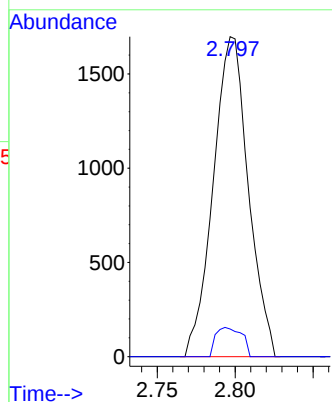
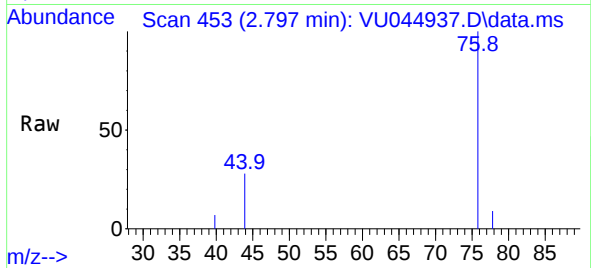




#17
Carbon Disulfide
Concen: 0.375 ug/l
RT: 2.797 min Scan# 451
Delta R.T. 0.007 min
Lab File: VU044937.D
Acq: 28 Sep 2021 13:32

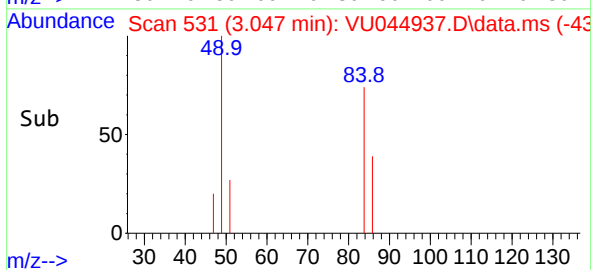
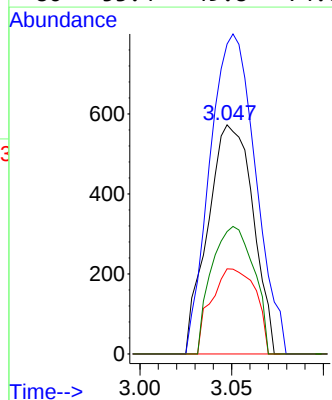
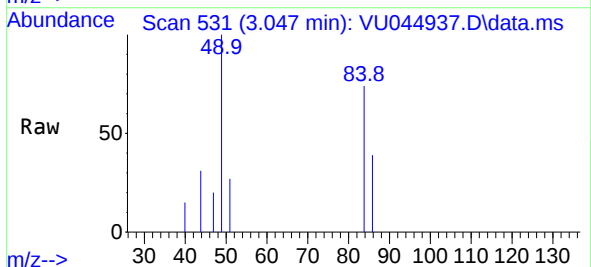
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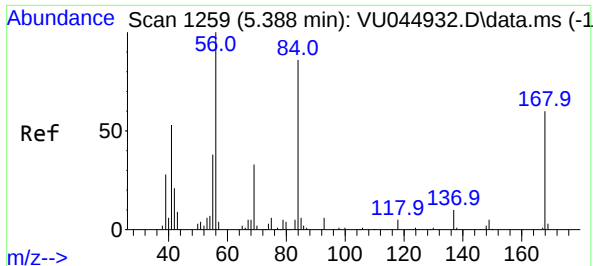
Tgt Ion: 76 Resp: 2660
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.0



#20
Methylene Chloride
Concen: 0.325 ug/l
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU044937.D
Acq: 28 Sep 2021 13:32

Tgt Ion: 84 Resp: 982
Ion Ratio Lower Upper
84 100
49 135.3 104.9 157.3
51 37.2 31.8 47.8
86 53.4 49.8 74.6

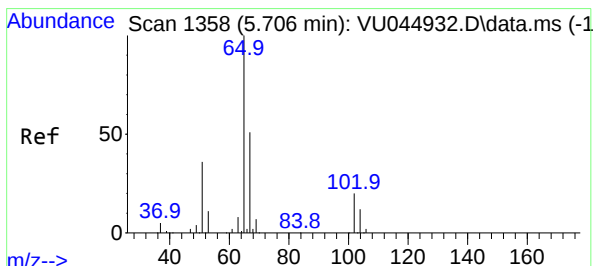
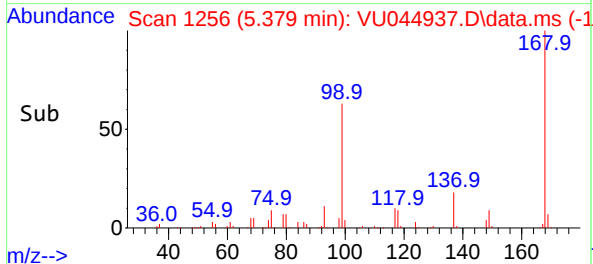
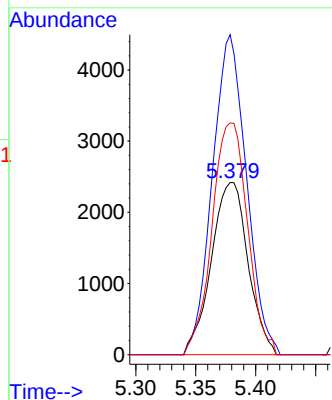
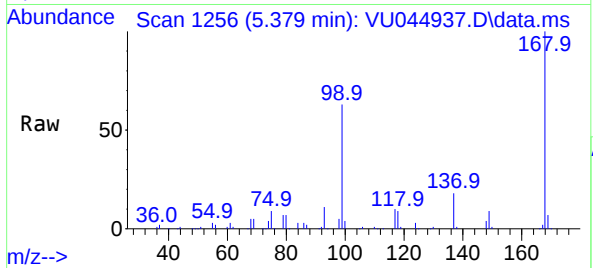




#31
Cyclohexane
Concen: 1.005 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.009 min
Lab File: VU044937.D
Acq: 28 Sep 2021 13:32

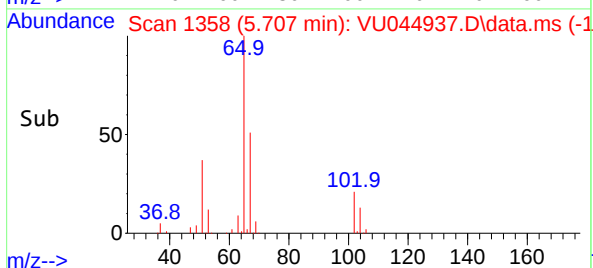
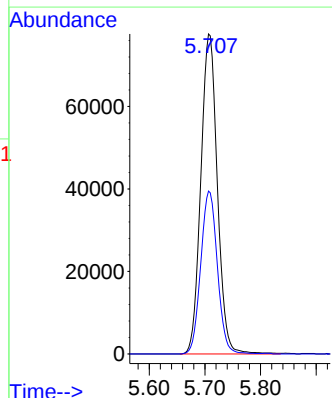
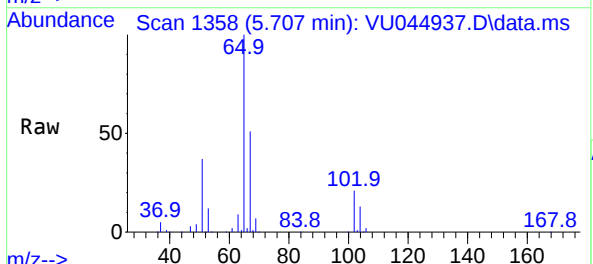
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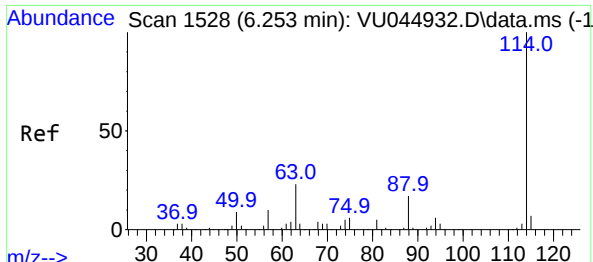
Tgt Ion: 56 Resp: 5156
Ion Ratio Lower Upper
56 100
69 185.9 25.2 37.8#
84 134.6 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 47.425 ug/l
RT: 5.707 min Scan# 1358
Delta R.T. 0.001 min
Lab File: VU044937.D
Acq: 28 Sep 2021 13:32

Tgt Ion: 65 Resp: 160188
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.8

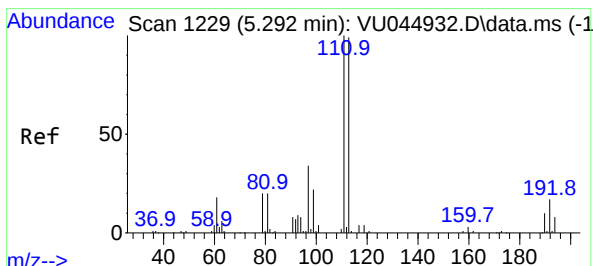
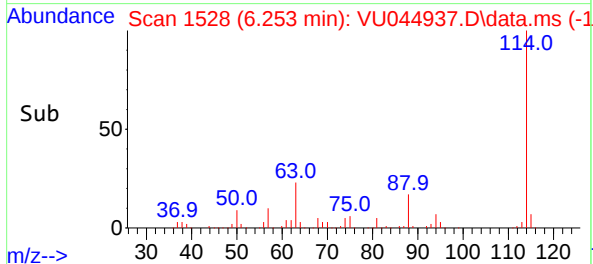
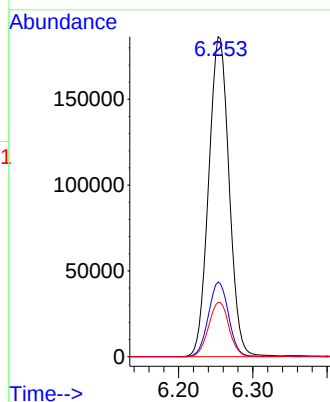
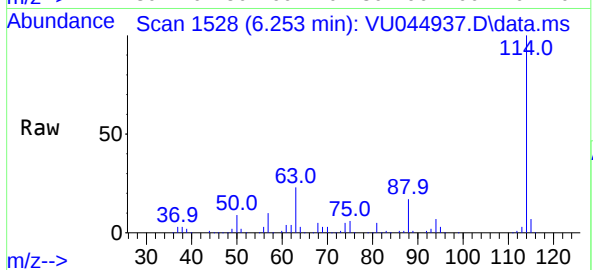




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU044937.D
Acq: 28 Sep 2021 13:32

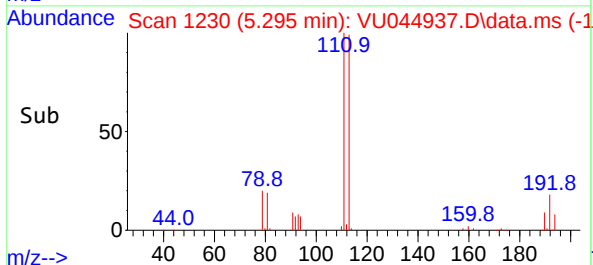
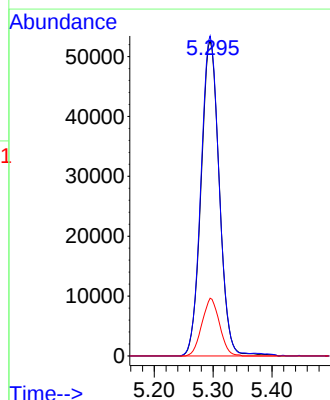
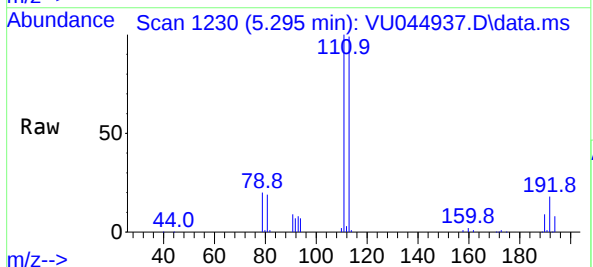
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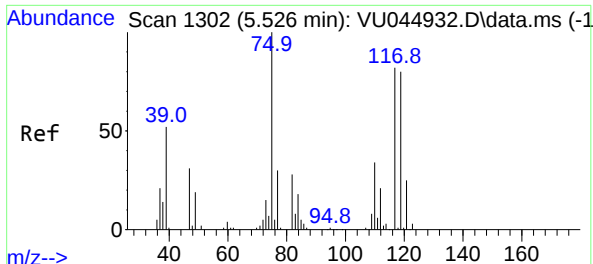
Tgt Ion:114 Resp: 356329
Ion Ratio Lower Upper
114 100
63 23.4 0.0 47.8
88 17.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.250 ug/l
RT: 5.295 min Scan# 1230
Delta R.T. 0.003 min
Lab File: VU044937.D
Acq: 28 Sep 2021 13:32

Tgt Ion:113 Resp: 112955
Ion Ratio Lower Upper
113 100
111 101.2 84.1 126.1
192 17.7 14.8 22.2

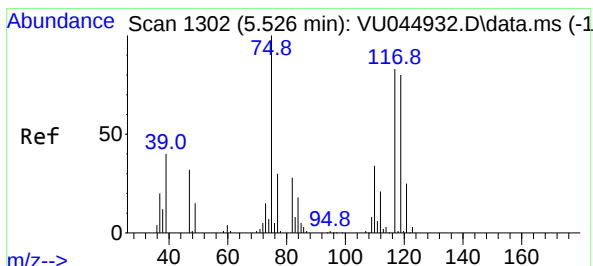
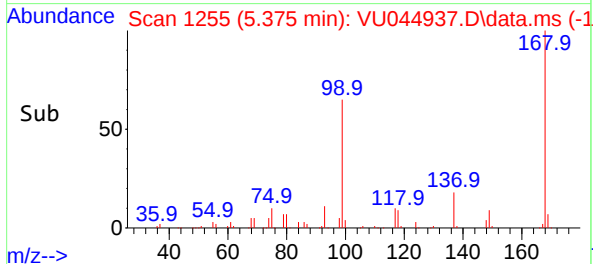
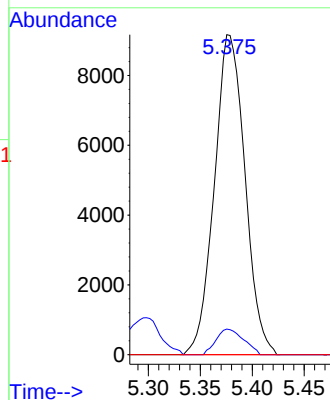
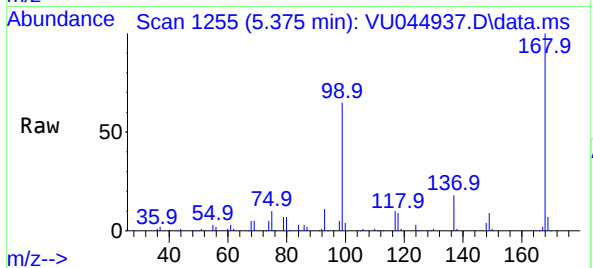




#36
1,1-Dichloropropene
Concen: 5.048 ug/l
RT: 5.375 min Scan# 11
Delta R.T. -0.151 min
Lab File: VU044937.D
Acq: 28 Sep 2021 13:32

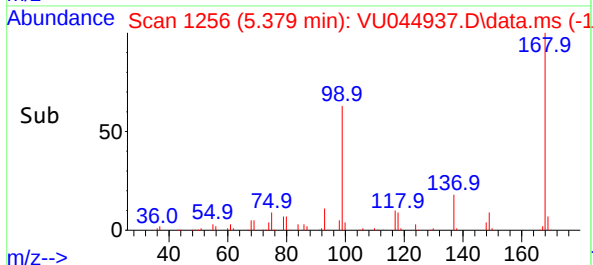
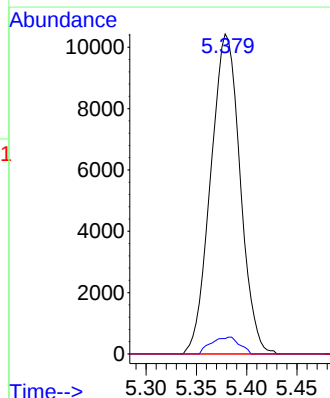
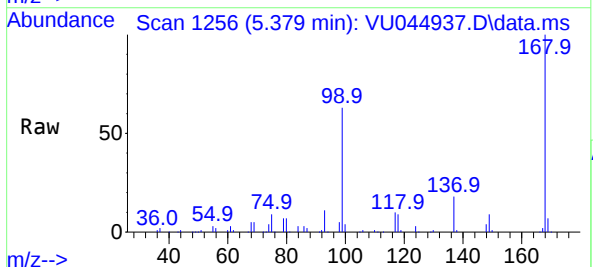
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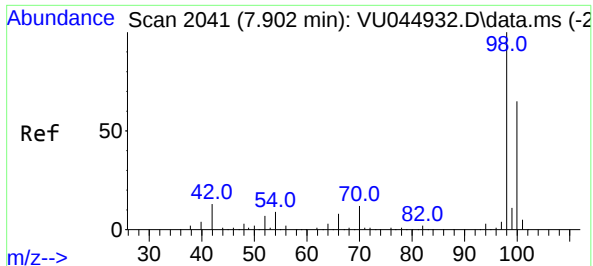
Tgt Ion: 75 Resp: 18809
Ion Ratio Lower Upper
75 100
110 7.2 16.3 48.9#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.600 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.147 min
Lab File: VU044937.D
Acq: 28 Sep 2021 13:32

Tgt Ion: 117 Resp: 21280
Ion Ratio Lower Upper
117 100
119 4.8 77.4 116.2#
121 0.0 24.5 36.7#

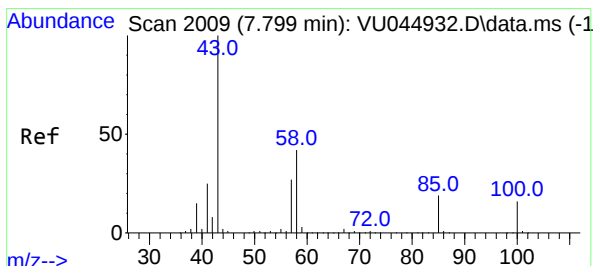
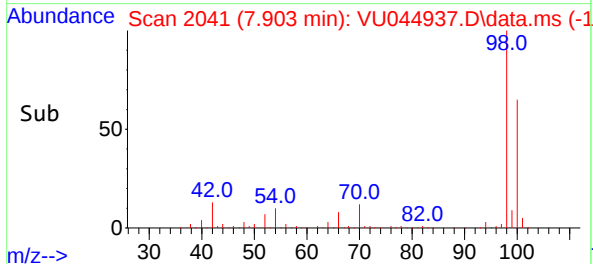
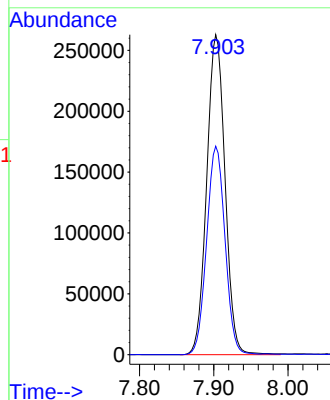
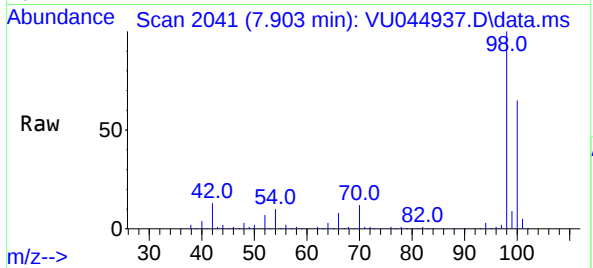




#50
Toluene-d8
Concen: 50.669 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.001 min
Lab File: VU044937.D
Acq: 28 Sep 2021 13:32

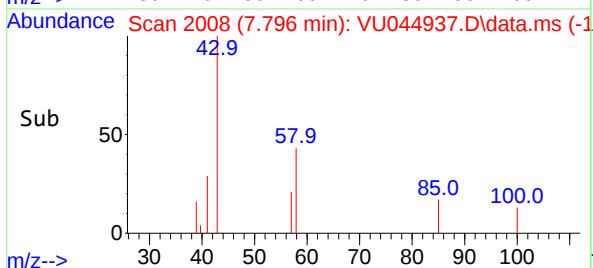
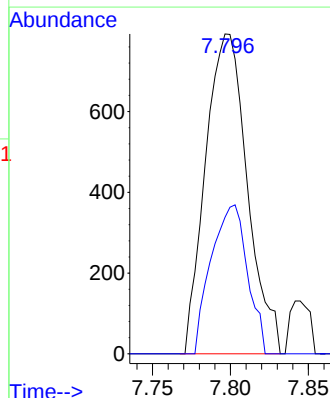
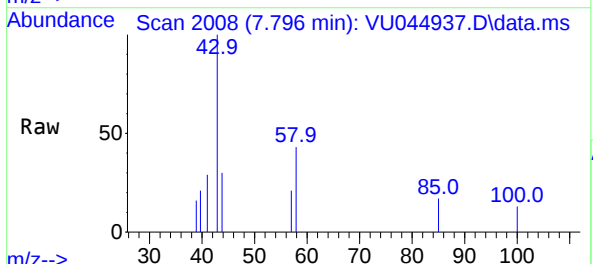
Instrument :
MSVOA_U
ClientSampleId :
VU0928MBL01

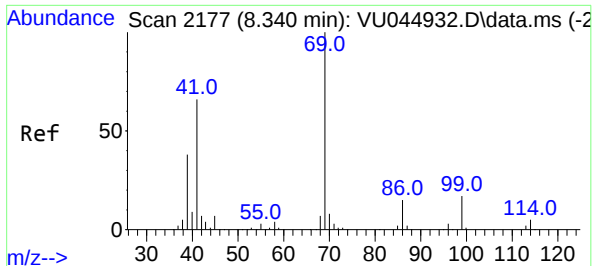
Tgt Ion: 98 Resp: 450019
Ion Ratio Lower Upper
98 100
100 65.4 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.274 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.003 min
Lab File: VU044937.D
Acq: 28 Sep 2021 13:32

Tgt Ion: 43 Resp: 1481
Ion Ratio Lower Upper
43 100
58 40.3 32.4 48.6

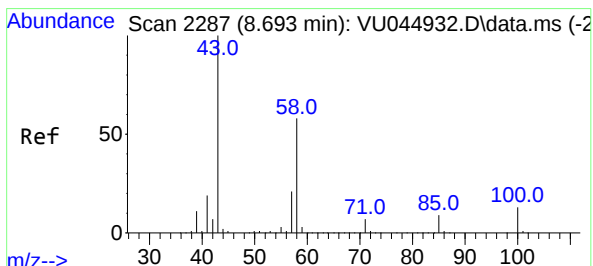
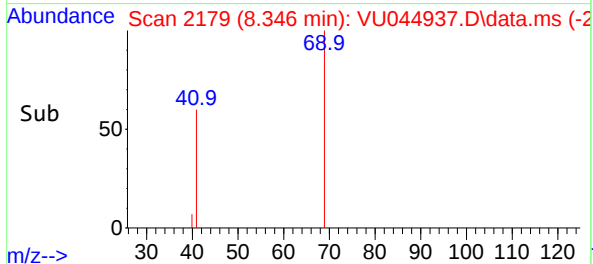
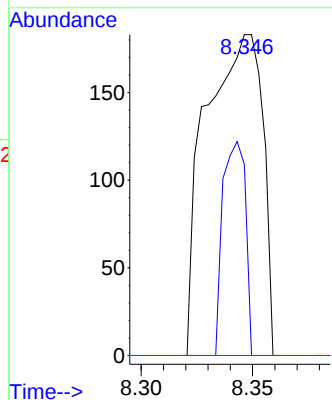
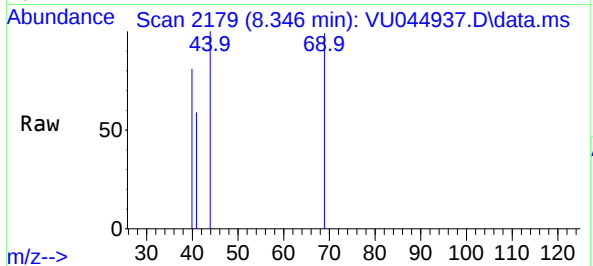




#56
Ethyl methacrylate
Concen: 1.876 ug/l
RT: 8.346 min Scan# 2177
Delta R.T. 0.006 min
Lab File: VU044937.D
Acq: 28 Sep 2021 13:32

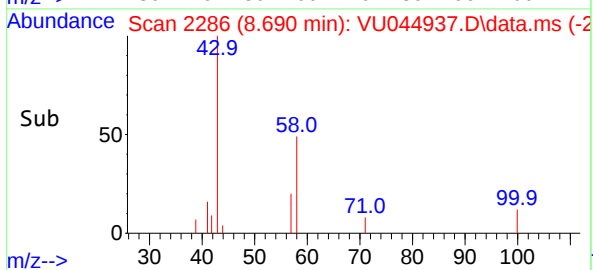
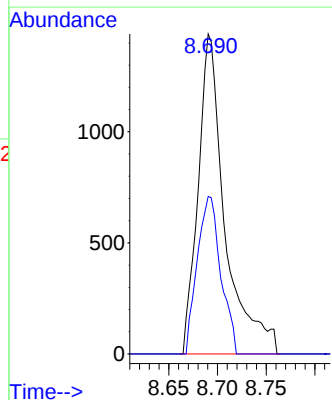
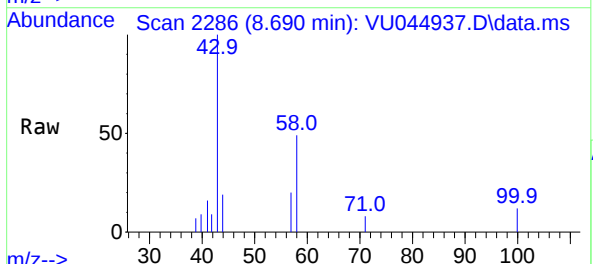
Instrument :
MSVOA_U
ClientSampleId :
VU0928MBL01

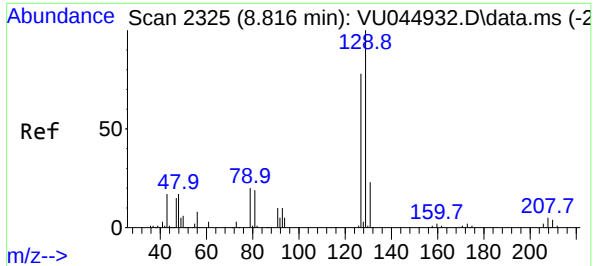
Tgt Ion: 69 Resp: 324
Ion Ratio Lower Upper
69 100
41 26.5 53.5 80.3#
39 0.0 31.1 46.7#



#59
2-Hexanone
Concen: 0.627 ug/l
RT: 8.690 min Scan# 2286
Delta R.T. -0.003 min
Lab File: VU044937.D
Acq: 28 Sep 2021 13:32

Tgt Ion: 43 Resp: 2756
Ion Ratio Lower Upper
43 100
58 43.0 28.0 84.0

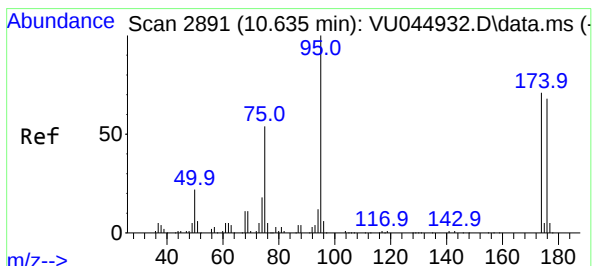
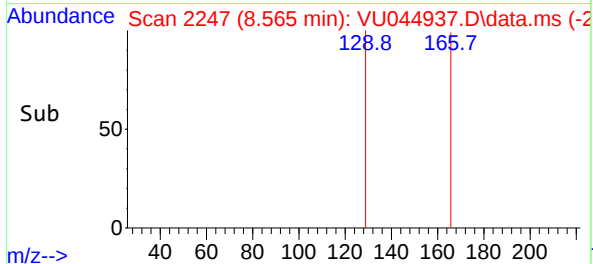
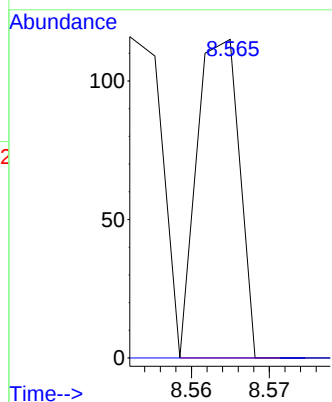
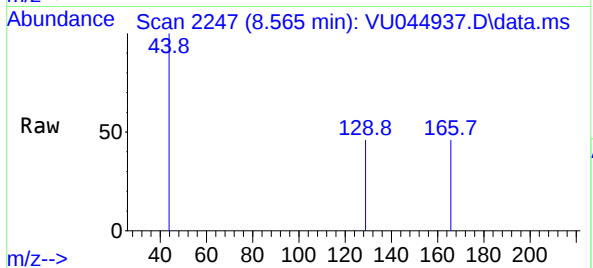




#60
Dibromochloromethane
Concen: 2.190 ug/l
RT: 8.565 min Scan# 21
Delta R.T. -0.251 min
Lab File: VU044937.D
Acq: 28 Sep 2021 13:32

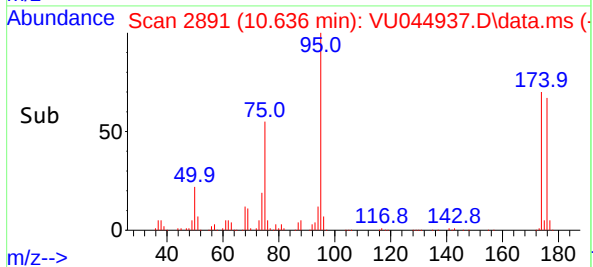
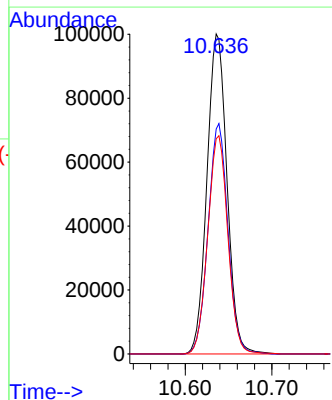
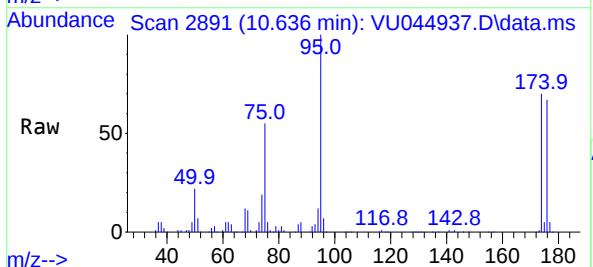
Instrument :
MSVOA_U
ClientSampleId :
VU0928MBL01

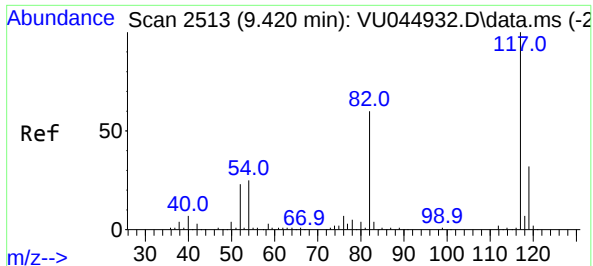
Tgt Ion:129 Resp: 43
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#



#62
4-Bromofluorobenzene
Concen: 43.829 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.001 min
Lab File: VU044937.D
Acq: 28 Sep 2021 13:32

Tgt Ion: 95 Resp: 160713
Ion Ratio Lower Upper
95 100
174 71.4 0.0 146.6
176 68.6 0.0 141.2

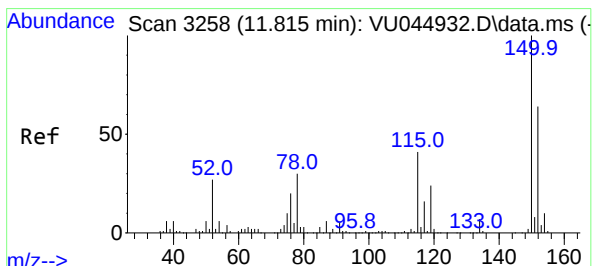
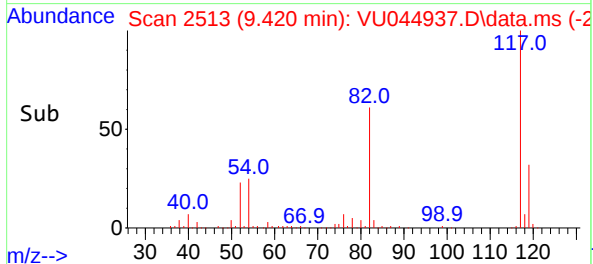
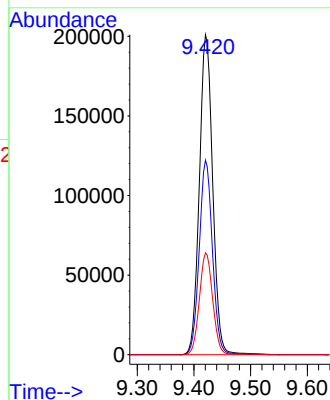
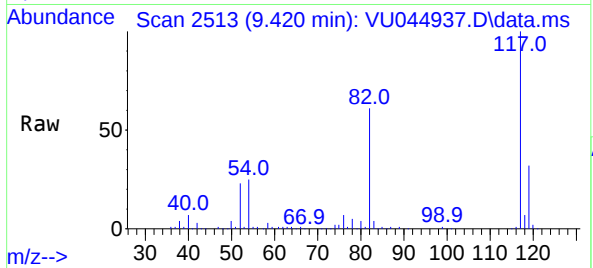




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU044937.D
Acq: 28 Sep 2021 13:32

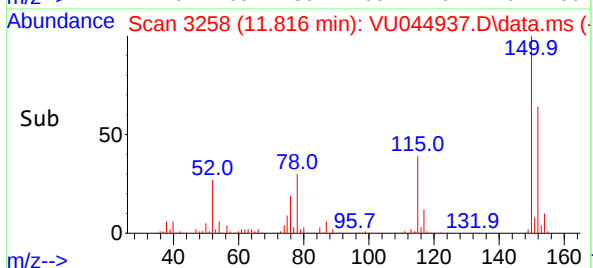
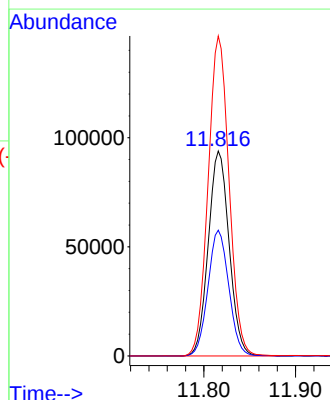
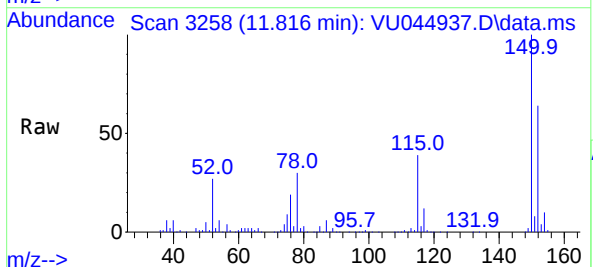
Instrument :
MSVOA_U
ClientSampleId :
VU0928MBL01

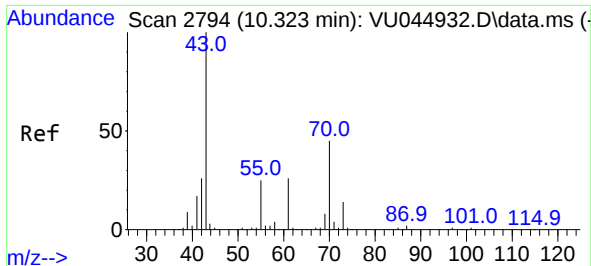
Tgt Ion:117 Resp: 328603
Ion Ratio Lower Upper
117 100
82 60.8 47.8 71.8
119 31.8 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 3258
Delta R.T. 0.001 min
Lab File: VU044937.D
Acq: 28 Sep 2021 13:32

Tgt Ion:152 Resp: 148191
Ion Ratio Lower Upper
152 100
115 61.4 43.5 130.7
150 156.5 0.0 350.0

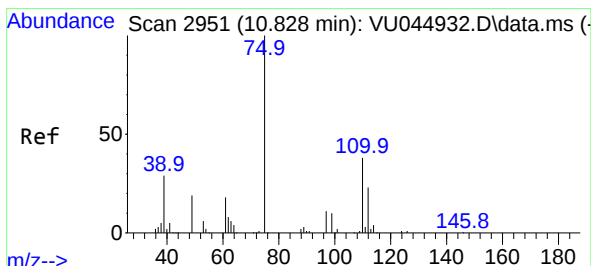
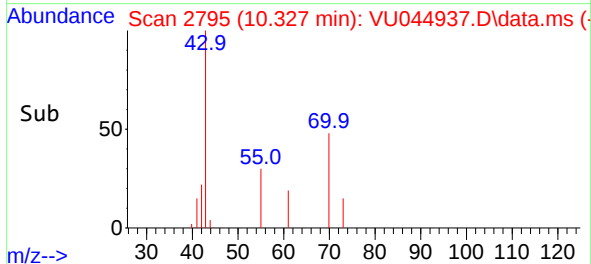
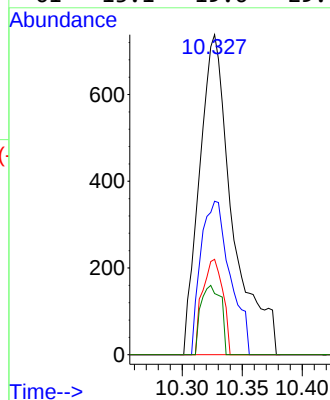
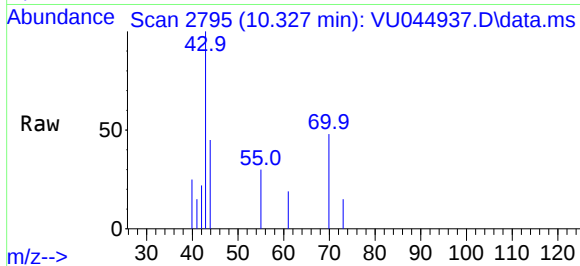




#74
N-amy1 acetate
Concen: 0.255 ug/l
RT: 10.327 min Scan# 21
Delta R.T. 0.004 min
Lab File: VU044937.D
Acq: 28 Sep 2021 13:32

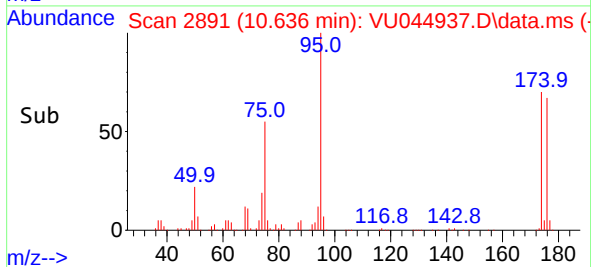
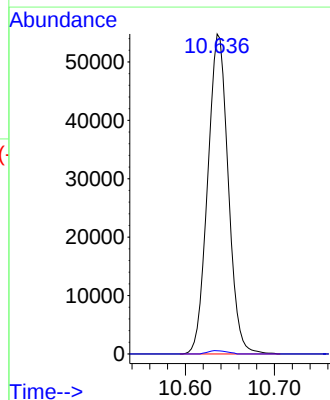
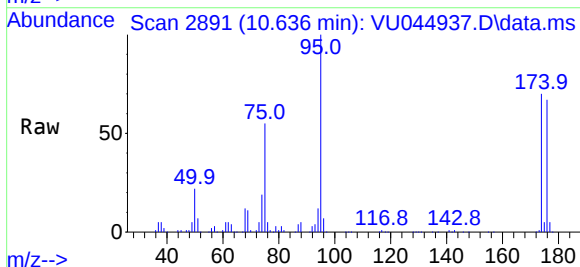
Instrument :
MSVOA_U
ClientSampleId :
VU0928MBL01

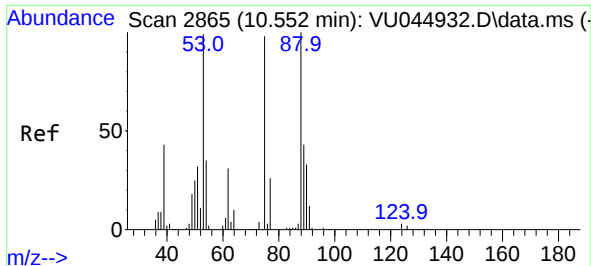
Tgt Ion:	43	Resp:	1415
Ion	Ratio	Lower	Upper
43	100		
70	42.5	35.1	52.7
55	18.3	20.5	30.7#
61	13.1	19.6	29.4#



#76
1,2,3-Trichloropropane
Concen: 20.254 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.192 min
Lab File: VU044937.D
Acq: 28 Sep 2021 13:32

Tgt Ion:	75	Resp:	87547
Ion	Ratio	Lower	Upper
75	100		
77	1.0	17.9	53.7#

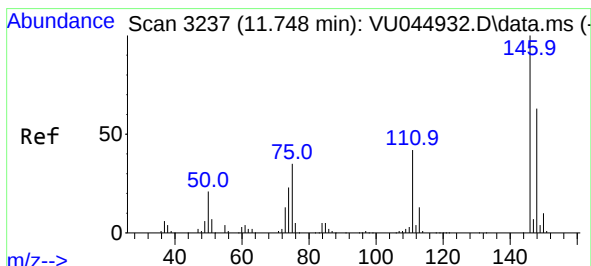
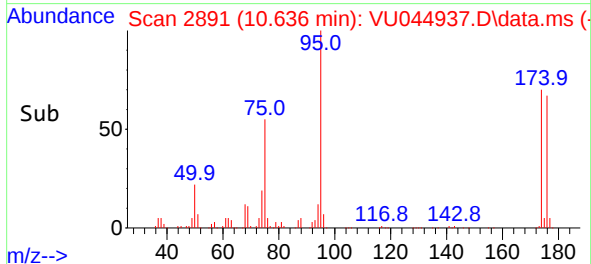
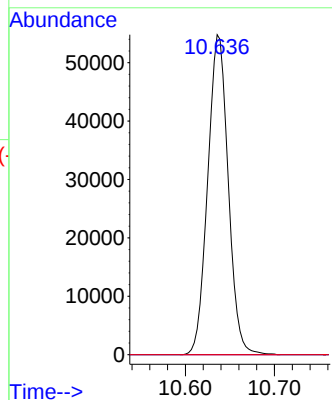
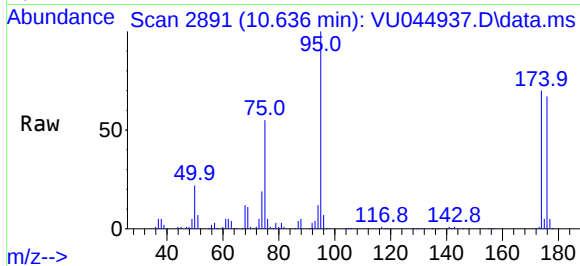




#81
trans-1,4-Dichloro-2-butene
Concen: 56.208 ug/l
RT: 10.636 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU044937.D
Acq: 28 Sep 2021 13:32

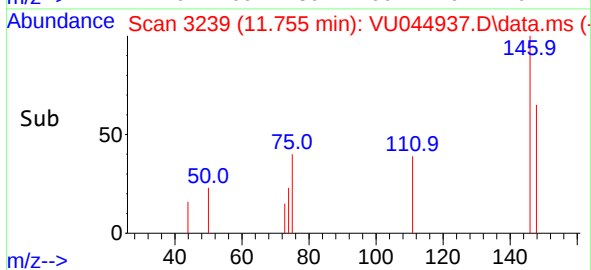
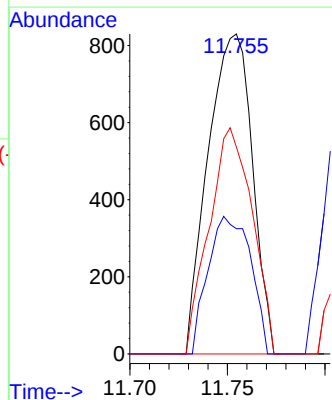
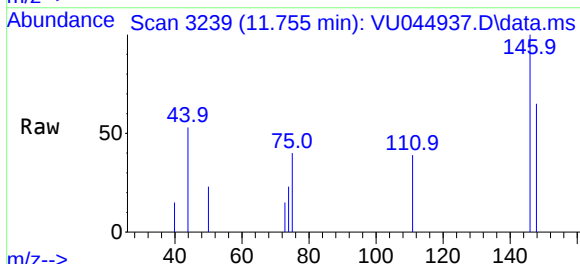
Instrument :
MSVOA_U
ClientSampleId :
VU0928MBL01

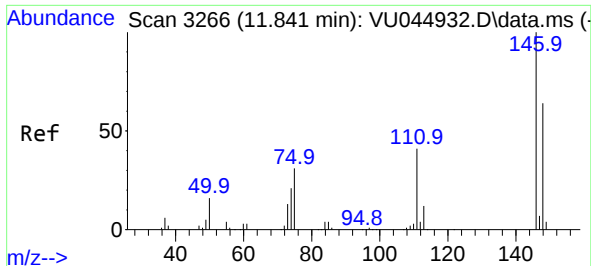
Tgt Ion: 75 Resp: 87547
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#



#87
1,3-Dichlorobenzene
Concen: 0.257 ug/l
RT: 11.755 min Scan# 3239
Delta R.T. 0.007 min
Lab File: VU044937.D
Acq: 28 Sep 2021 13:32

Tgt Ion:146 Resp: 1314
Ion Ratio Lower Upper
146 100
111 41.2 21.2 63.6
148 68.9 32.1 96.3

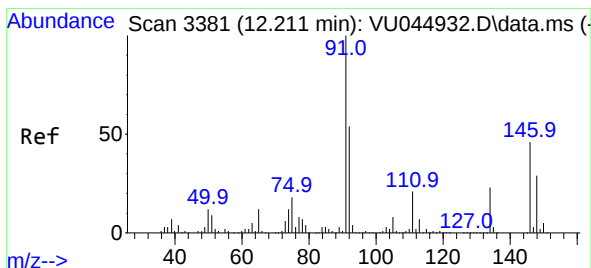
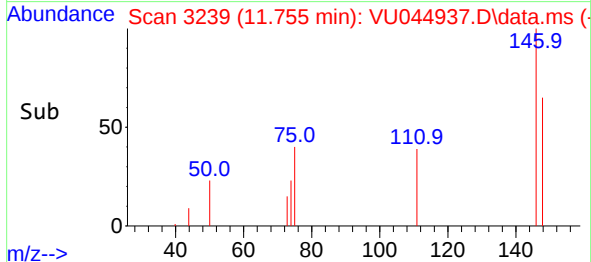
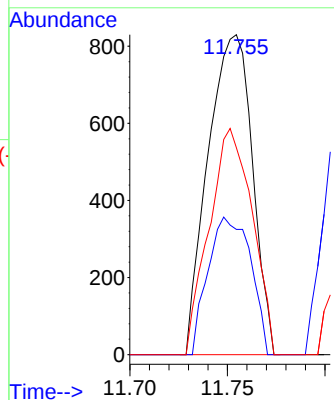
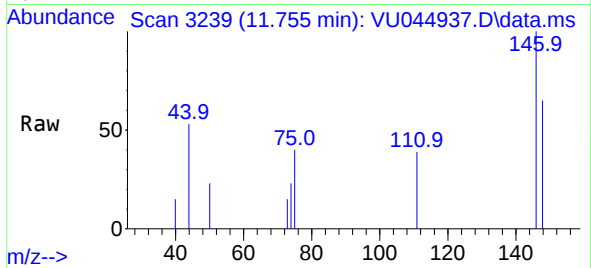




#88
1,4-Dichlorobenzene
Concen: 0.252 ug/l
RT: 11.755 min Scan# 31
Delta R.T. -0.086 min
Lab File: VU044937.D
Acq: 28 Sep 2021 13:32

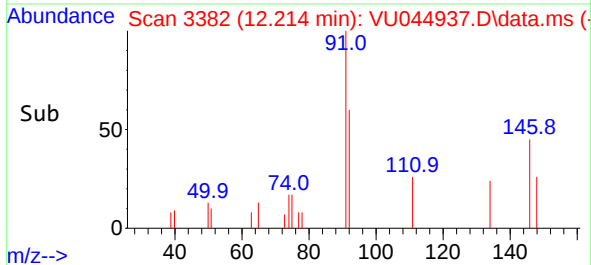
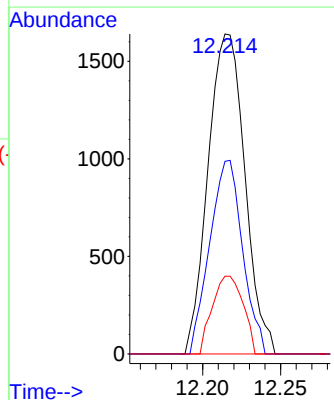
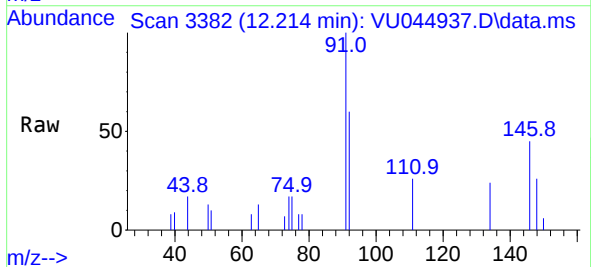
Instrument :
MSVOA_U
ClientSampleId :
VU0928MBL01

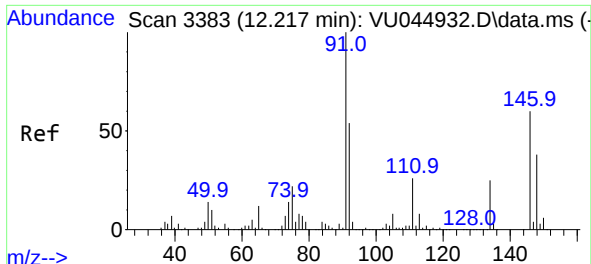
Tgt Ion:146 Resp: 1314
Ion Ratio Lower Upper
146 100
111 41.2 20.3 61.0
148 68.9 31.8 95.3



#89
n-Butylbenzene
Concen: 0.300 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. 0.003 min
Lab File: VU044937.D
Acq: 28 Sep 2021 13:32

Tgt Ion: 91 Resp: 2692
Ion Ratio Lower Upper
91 100
92 53.9 26.8 80.4
134 20.2 11.8 35.4

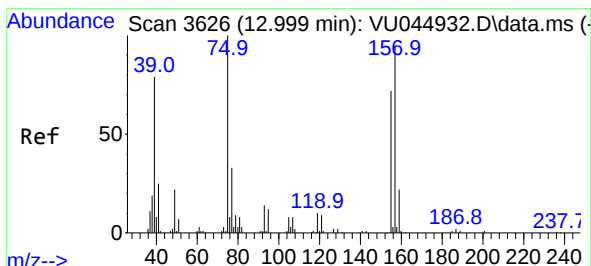
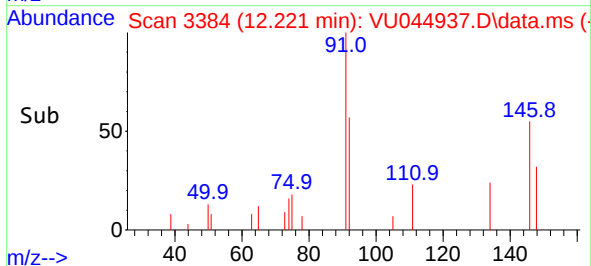
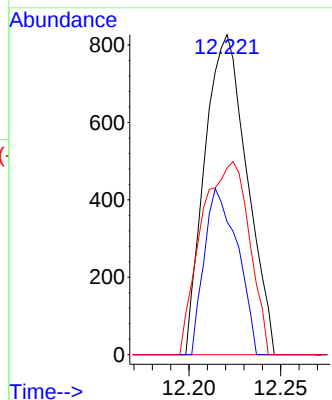
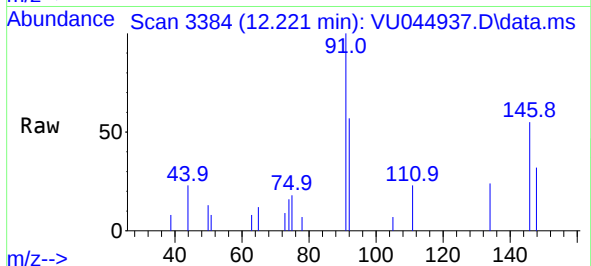




#91
 1,2-Dichlorobenzene
 Concen: 0.253 ug/l
 RT: 12.221 min Scan# 31
 Delta R.T. 0.004 min
 Lab File: VU044937.D
 Acq: 28 Sep 2021 13:32

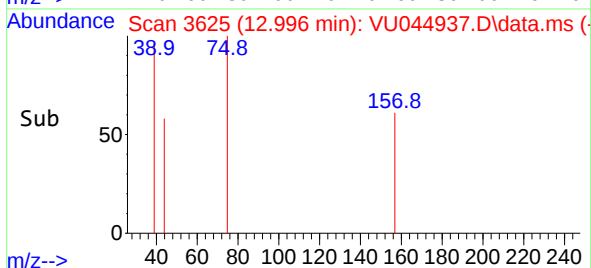
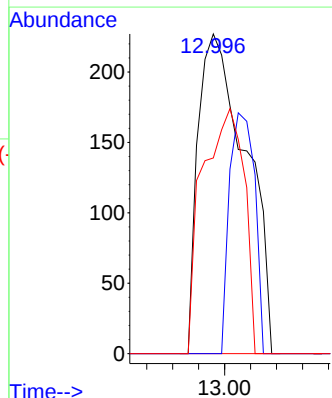
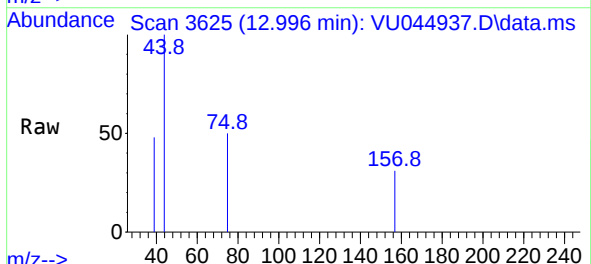
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928MBL01

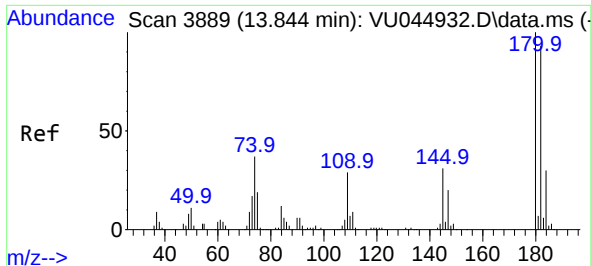
Tgt Ion:146 Resp: 1321
 Ion Ratio Lower Upper
 146 100
 111 40.8 21.4 64.3
 148 68.4 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.257 ug/l
 RT: 12.996 min Scan# 3625
 Delta R.T. -0.003 min
 Lab File: VU044937.D
 Acq: 28 Sep 2021 13:32

Tgt Ion: 75 Resp: 289
 Ion Ratio Lower Upper
 75 100
 155 39.8 36.9 110.6
 157 66.8 47.8 143.3

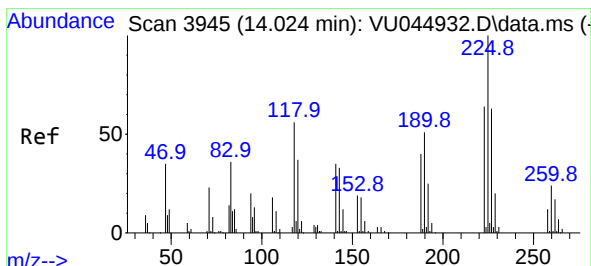
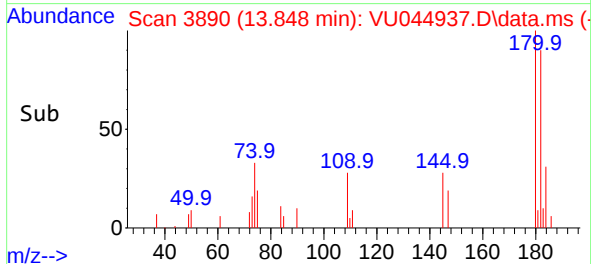
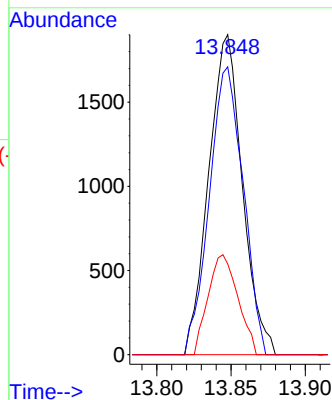
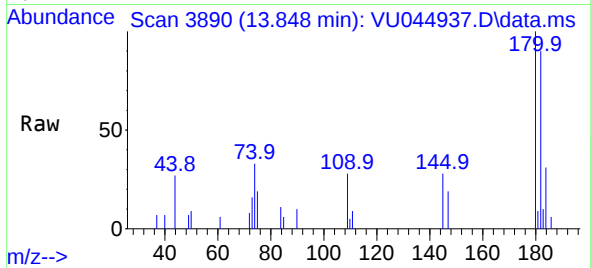




#93
1,2,4-Trichlorobenzene
Concen: 1.029 ug/l
RT: 13.848 min Scan# 3889
Delta R.T. 0.004 min
Lab File: VU044937.D
Acq: 28 Sep 2021 13:32

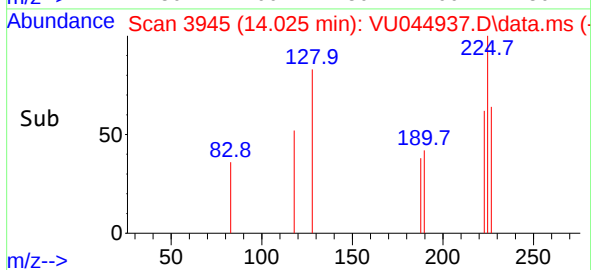
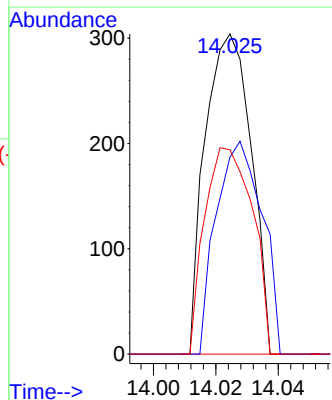
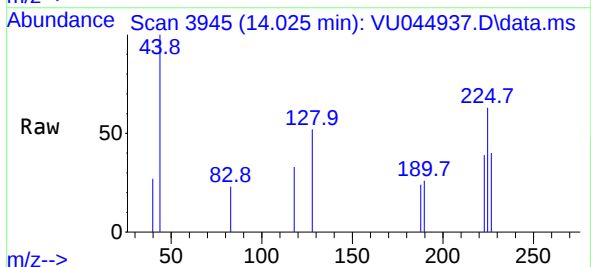
Instrument :
MSVOA_U
ClientSampleId :
VU0928MBL01

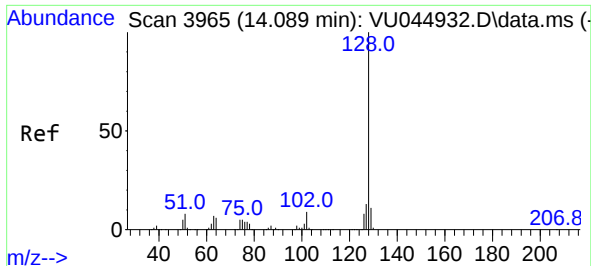
Tgt Ion:180 Resp: 2992
Ion Ratio Lower Upper
180 100
182 90.5 47.4 142.3
145 27.6 15.4 46.2



#94
Hexachlorobutadiene
Concen: 0.256 ug/l
RT: 14.025 min Scan# 3945
Delta R.T. 0.001 min
Lab File: VU044937.D
Acq: 28 Sep 2021 13:32

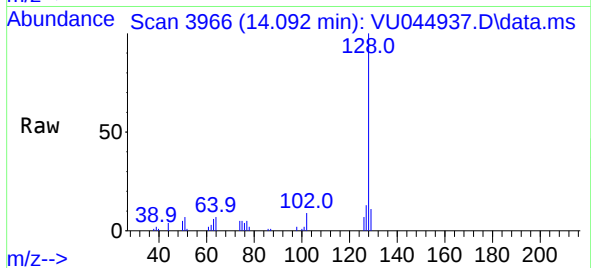
Tgt Ion:225 Resp: 311
Ion Ratio Lower Upper
225 100
223 66.2 31.1 93.3
227 67.2 31.4 94.3



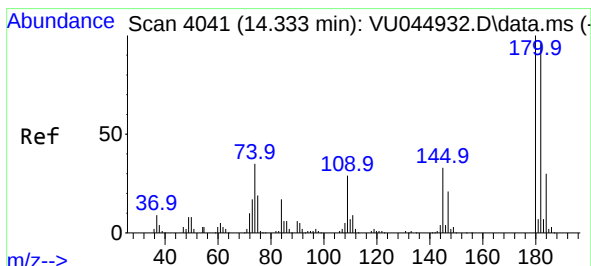
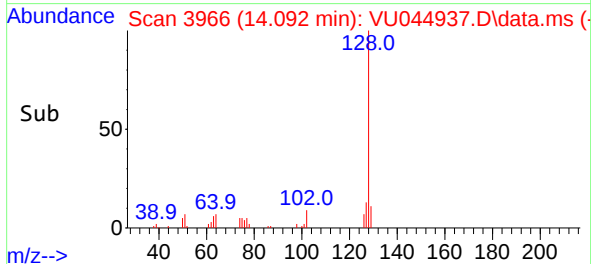
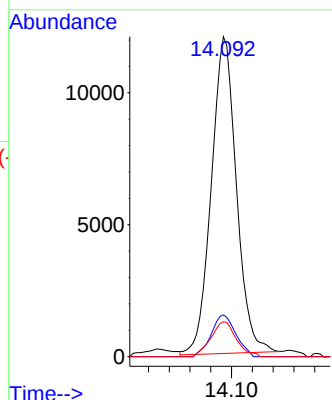


#95
Naphthalene
Concen: 1.841 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU044937.D
Acq: 28 Sep 2021 13:32

Instrument :
MSVOA_U
ClientSampleId :
VU0928MBL01



Tgt Ion:	128	Resp:	20135
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	11.2	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 1.160 ug/l
RT: 14.333 min Scan# 4041
Delta R.T. 0.000 min
Lab File: VU044937.D
Acq: 28 Sep 2021 13:32

Tgt Ion:	180	Resp:	3388
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.1	141.4
145	35.0	16.4	49.2

