

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102221\
 Data File : VU045356.D
 Acq On : 22 Oct 2021 11:37
 Operator : SY/MD
 Sample : VU1022MBL01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 22 15:10:34 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)

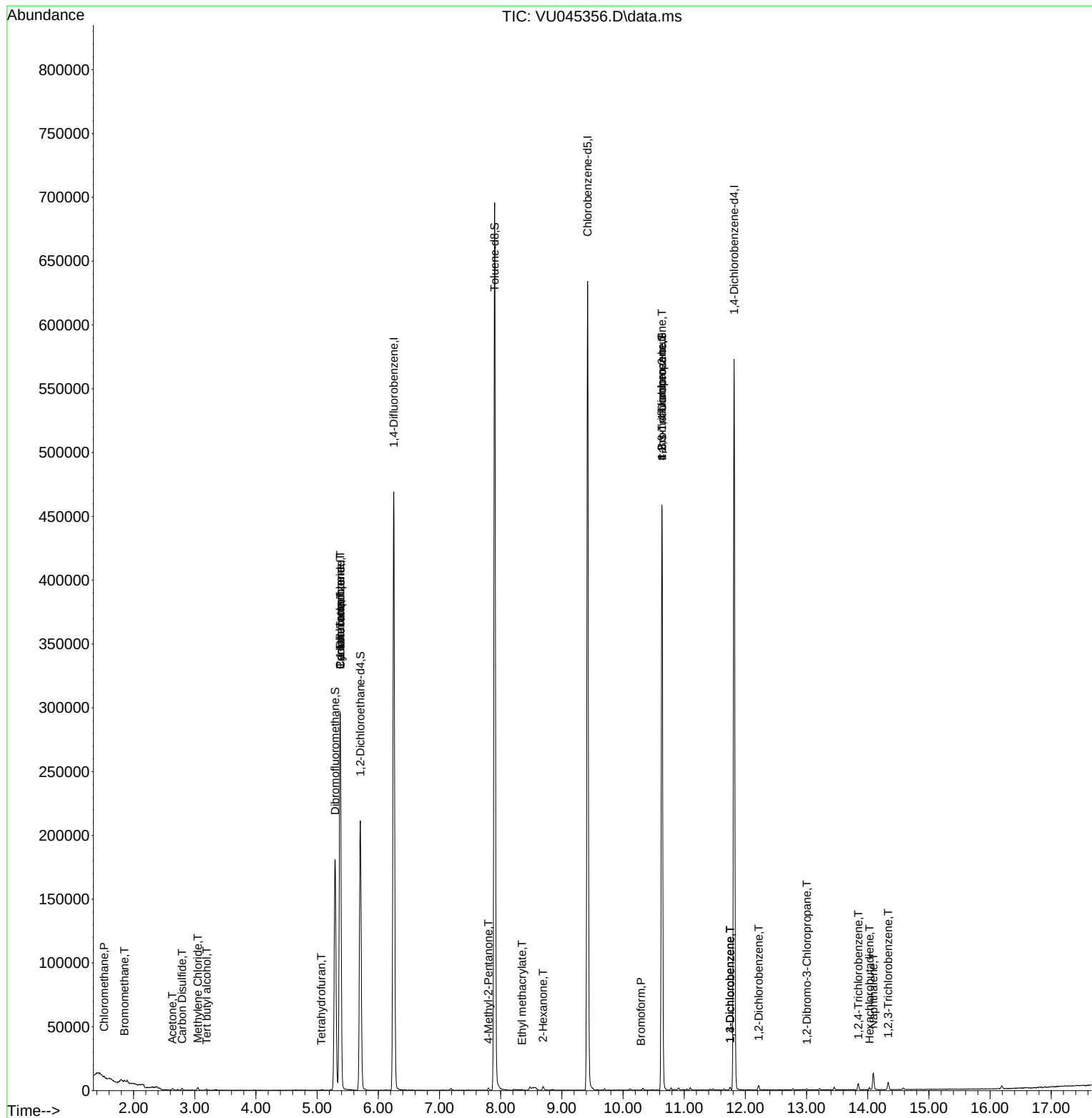
Internal Standards						
1) Pentafluorobenzene	5.379	168	201038	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	370432	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	342576	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	144034	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	156741	46.837	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.680%		
35) Dibromofluoromethane	5.292	113	117371	50.227	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.460%		
50) Toluene-d8	7.903	98	467097	50.589	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.180%		
62) 4-Bromofluorobenzene	10.636	95	160121	42.005	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	84.020%		
Target Compounds						Qvalue
3) Chloromethane	1.520	50	1143	0.354	ug/l	94
5) Bromomethane	1.851	94	342	0.271	ug/l	92
11) Tert butyl alcohol	3.195	59	526	0.548	ug/l #	72
16) Acetone	2.636	43	1396	0.703	ug/l	96
17) Carbon Disulfide	2.793	76	1991	0.283	ug/l #	75
20) Methylene Chloride	3.051	84	958	0.320	ug/l #	86
29) Tetrahydrofuran	5.070	42	362	0.215	ug/l #	41
31) Cyclohexane	5.379	56	4690	0.923	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	18459	4.765	ug/l #	49
38) Carbon Tetrachloride	5.379	117	20727	6.183	ug/l #	16
51) 4-Methyl-2-Pentanone	7.800	43	1308	0.233	ug/l	93
56) Ethyl methacrylate	8.349	69	218	1.857	ug/l #	39
59) 2-Hexanone	8.693	43	2400	0.525	ug/l	91
71) Bromoform	10.295	173	42	1.136	ug/l #	28
76) 1,2,3-Trichloropropane	10.636	75	80812	19.235	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.636	75	80812	53.382	ug/l #	9
87) 1,3-Dichlorobenzene	11.751	146	1112	0.224	ug/l	94
88) 1,4-Dichlorobenzene	11.751	146	1112	0.219	ug/l	95
91) 1,2-Dichlorobenzene	12.217	146	1077	0.212	ug/l	88
92) 1,2-Dibromo-3-Chloropr...	13.005	75	281	0.257	ug/l	84
93) 1,2,4-Trichlorobenzene	13.844	180	1966	0.696	ug/l	84
94) Hexachlorobutadiene	14.031	225	386	0.327	ug/l #	60
95) Naphthalene	14.092	128	12515	1.178	ug/l	98
96) 1,2,3-Trichlorobenzene	14.333	180	2282	0.804	ug/l	98

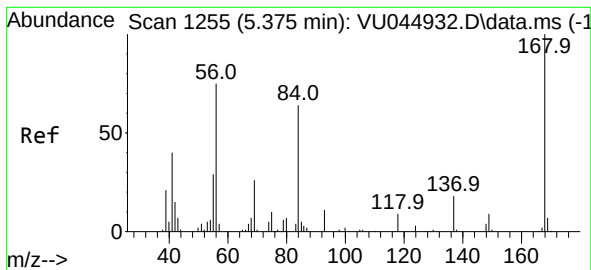
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VU045356.D
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Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Oct 22 15:10:34 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

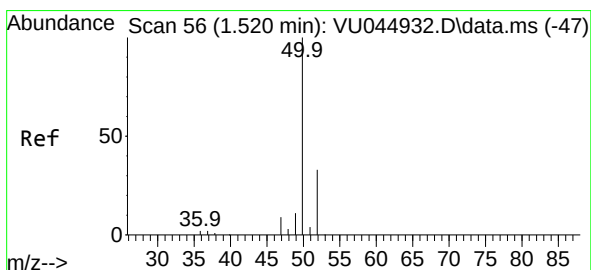
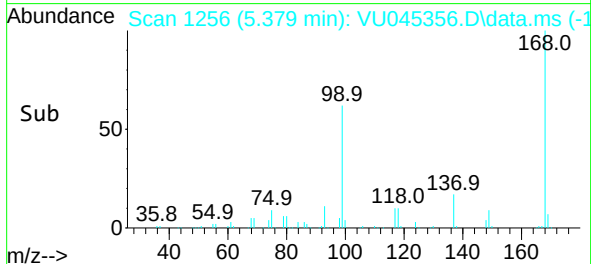
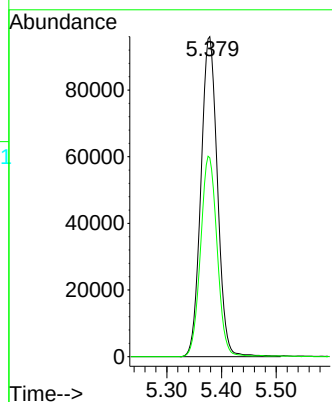
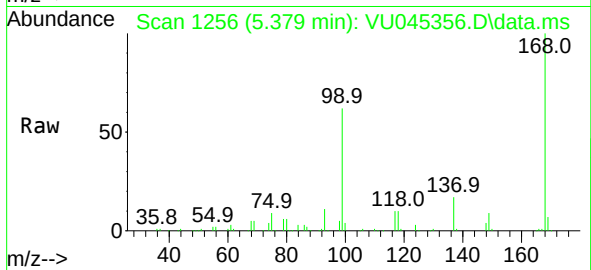




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. 0.004 min
Lab File: VU045356.D
Acq: 22 Oct 2021 11:37

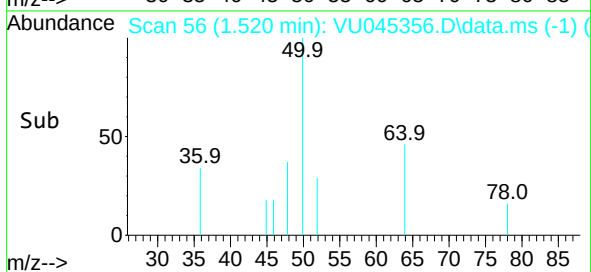
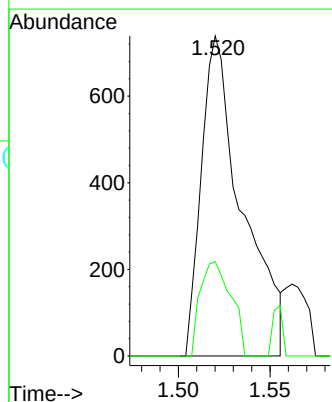
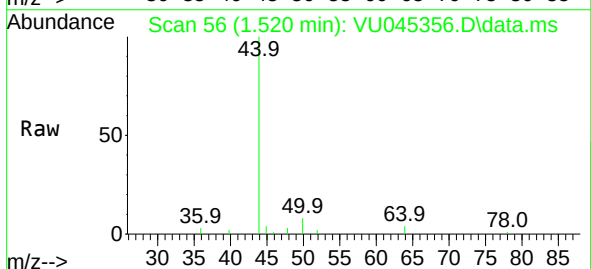
Instrument :
MSVOA_U
ClientSampled :

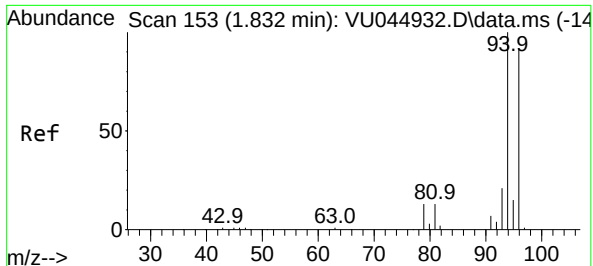
Tgt Ion:168 Resp: 201038
Ion Ratio Lower Upper
168 100
99 62.1 51.4 77.0



#3
Chloromethane
Concen: 0.354 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU045356.D
Acq: 22 Oct 2021 11:37

Tgt Ion: 50 Resp: 1143
Ion Ratio Lower Upper
50 100
52 29.5 26.3 39.5

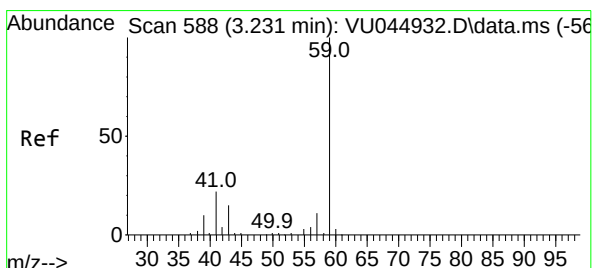
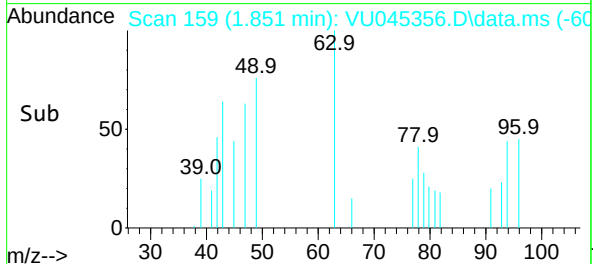
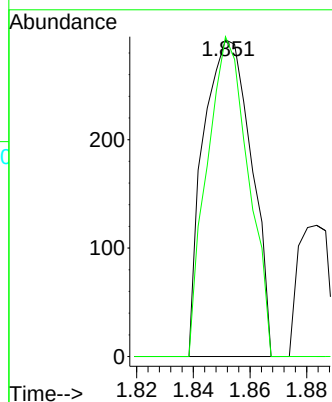
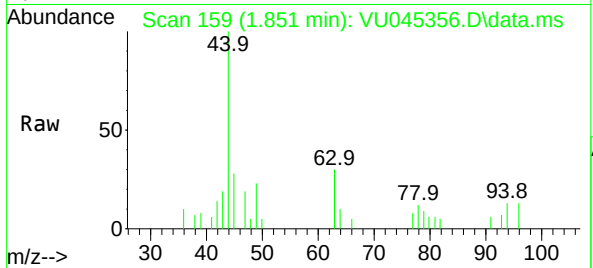




#5
Bromomethane
Concen: 0.271 ug/l
RT: 1.851 min Scan# 159
Delta R.T. 0.019 min
Lab File: VU045356.D
Acq: 22 Oct 2021 11:37

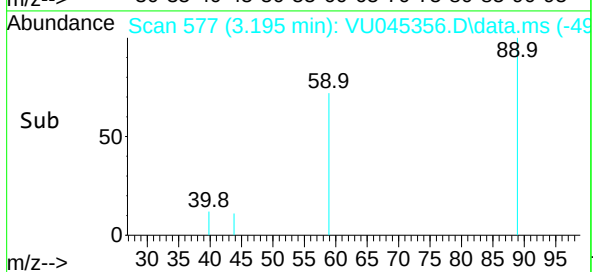
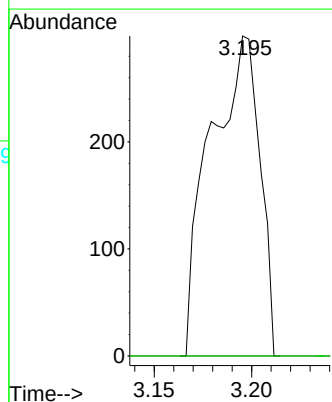
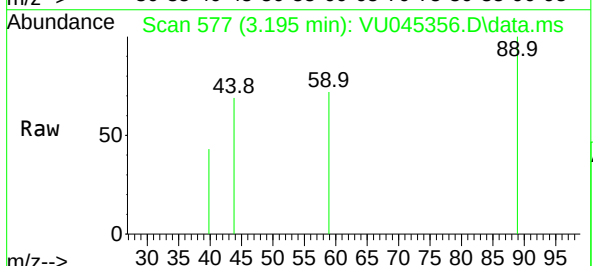
Instrument :
MSVOA_U
ClientSampled :

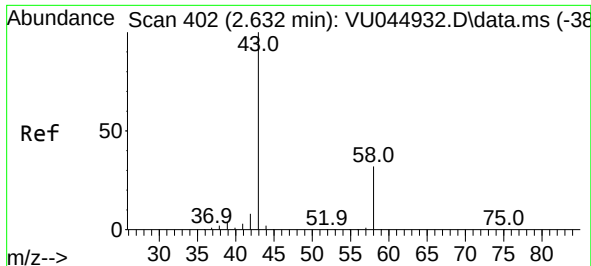
Tgt Ion: 94 Resp: 342
Ion Ratio Lower Upper
94 100
96 101.0 74.5 111.7



#11
Tert butyl alcohol
Concen: 0.548 ug/l
RT: 3.195 min Scan# 577
Delta R.T. -0.036 min
Lab File: VU045356.D
Acq: 22 Oct 2021 11:37

Tgt Ion: 59 Resp: 526
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

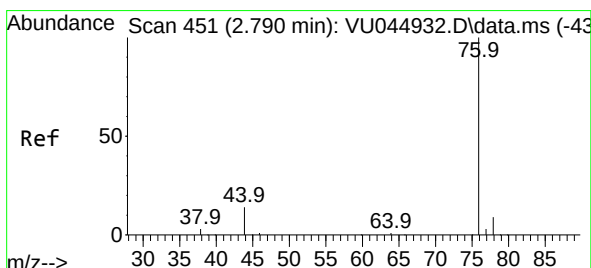
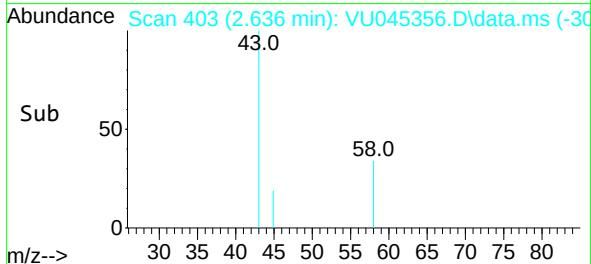
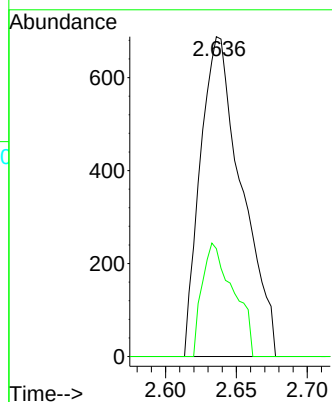
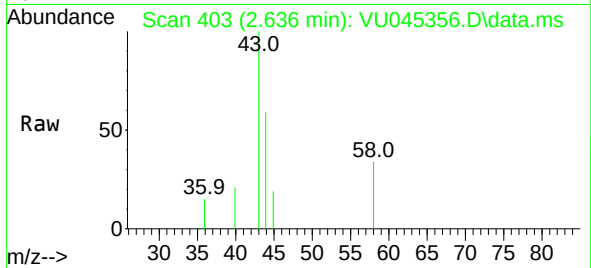




#16
Acetone
Concen: 0.703 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.004 min
Lab File: VU045356.D
Acq: 22 Oct 2021 11:37

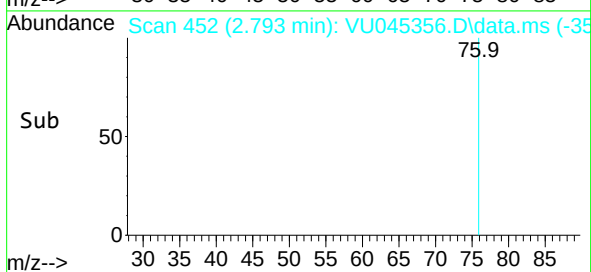
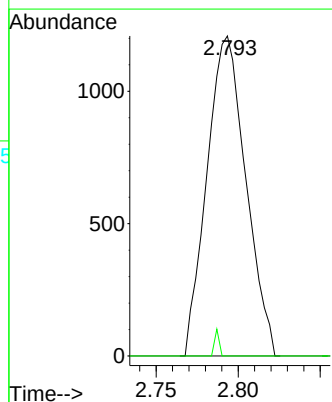
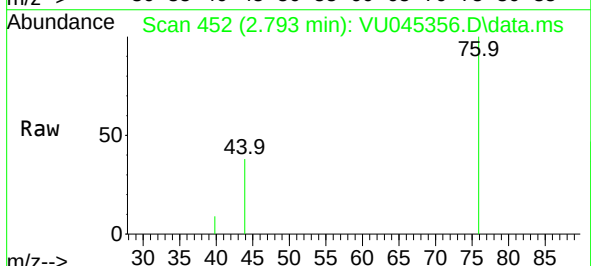
Instrument :
MSVOA_U
ClientSampled :

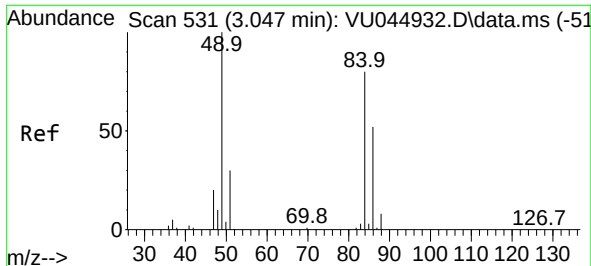
Tgt Ion: 43 Resp: 1396
Ion Ratio Lower Upper
43 100
58 33.7 25.2 37.8



#17
Carbon Disulfide
Concen: 0.283 ug/l
RT: 2.793 min Scan# 452
Delta R.T. 0.003 min
Lab File: VU045356.D
Acq: 22 Oct 2021 11:37

Tgt Ion: 76 Resp: 1991
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





#20

Methylene Chloride

Concen: 0.320 ug/l

RT: 3.051 min Scan# 532

Delta R.T. 0.004 min

Lab File: VU045356.D

Acq: 22 Oct 2021 11:37

Tgt Ion: 84 Resp: 958

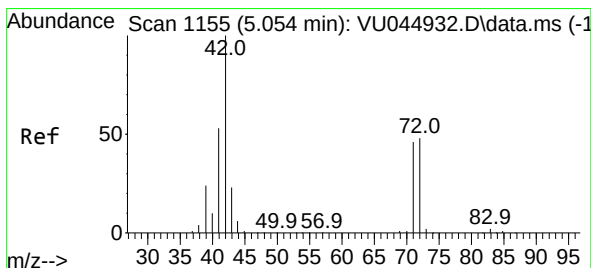
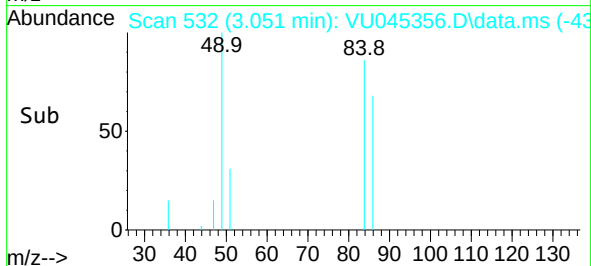
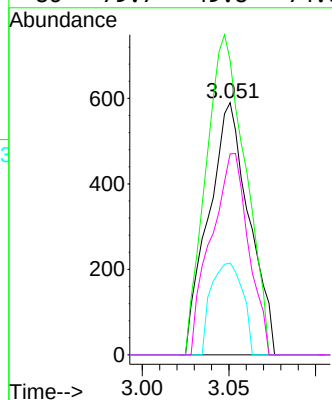
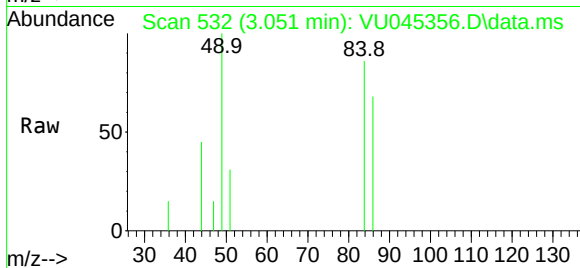
Ion Ratio Lower Upper

84 100

49 116.8 104.9 157.3

51 36.4 31.8 47.8

86 79.7 49.8 74.6#



#29

Tetrahydrofuran

Concen: 0.215 ug/l

RT: 5.070 min Scan# 1160

Delta R.T. 0.016 min

Lab File: VU045356.D

Acq: 22 Oct 2021 11:37

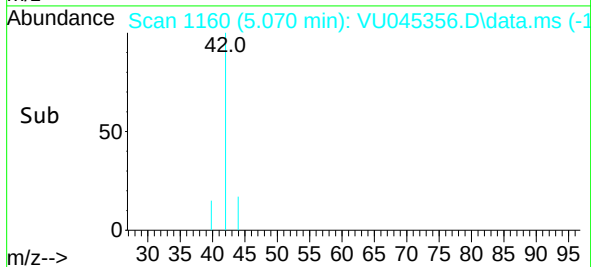
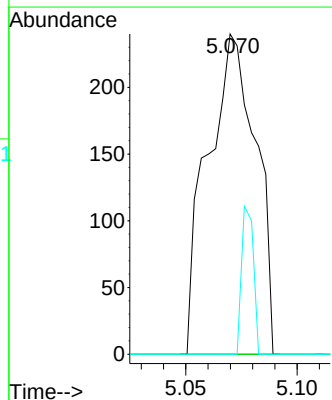
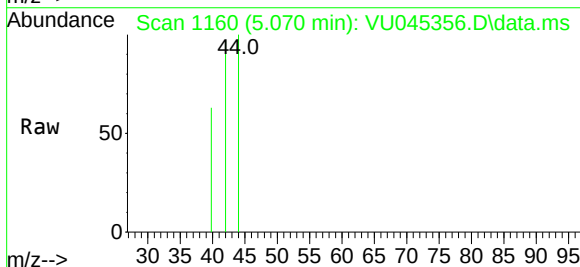
Tgt Ion: 42 Resp: 362

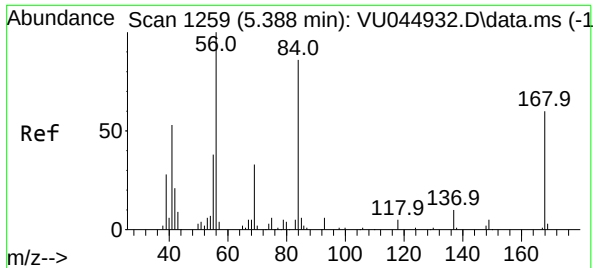
Ion Ratio Lower Upper

42 100

72 0.0 36.2 54.4#

71 11.3 34.1 51.1#

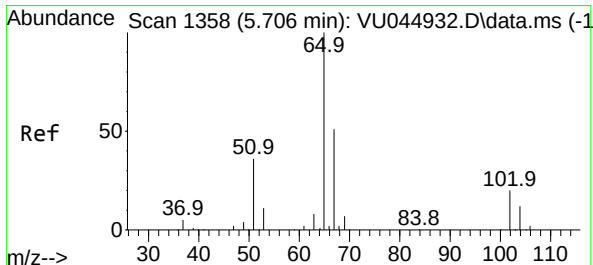
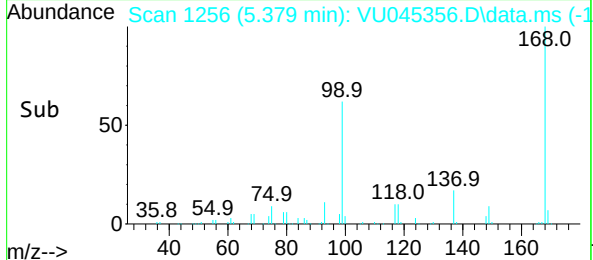
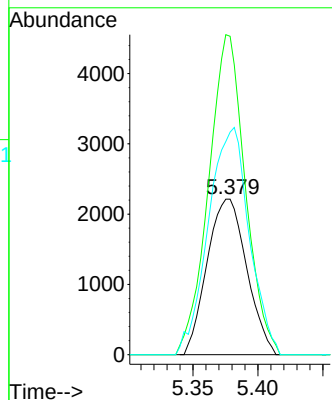
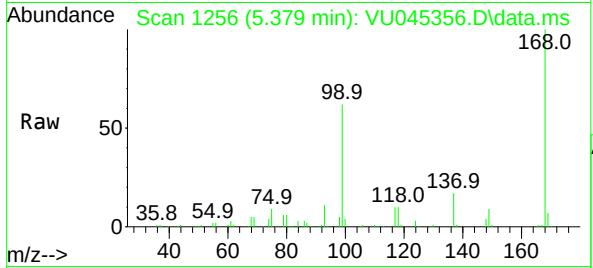




#31
Cyclohexane
Concen: 0.923 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.009 min
Lab File: VU045356.D
Acq: 22 Oct 2021 11:37

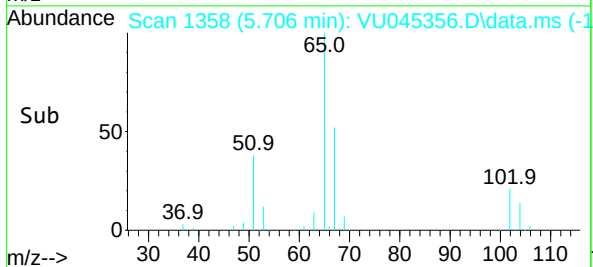
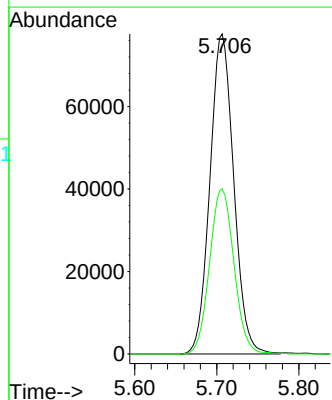
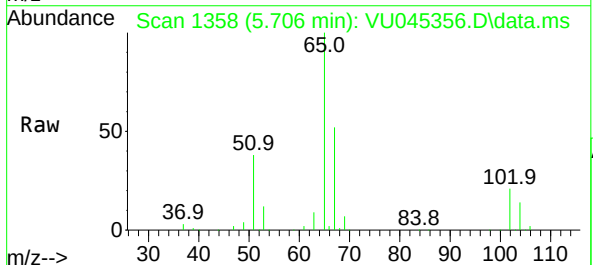
Instrument :
MSVOA_U
ClientSampled :

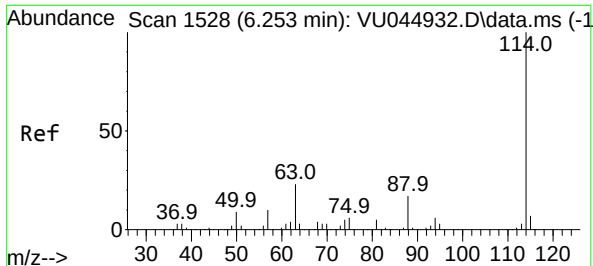
Tgt Ion: 56 Resp: 4690
Ion Ratio Lower Upper
56 100
69 204.8 25.2 37.8#
84 143.2 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 46.837 ug/l
RT: 5.706 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VU045356.D
Acq: 22 Oct 2021 11:37

Tgt Ion: 65 Resp: 156741
Ion Ratio Lower Upper
65 100
67 52.9 0.0 104.8

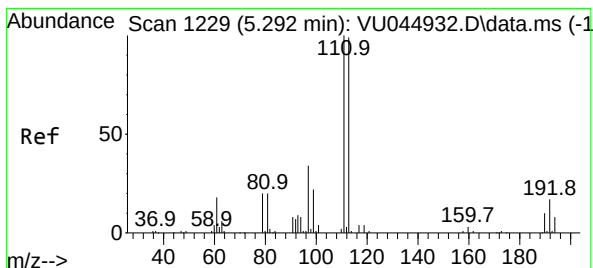
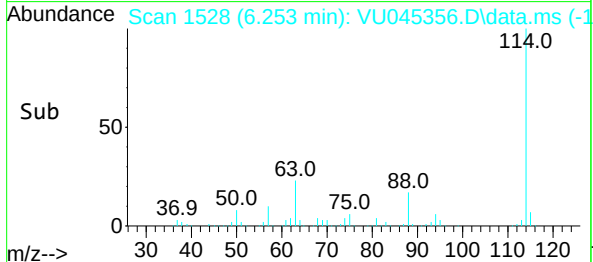
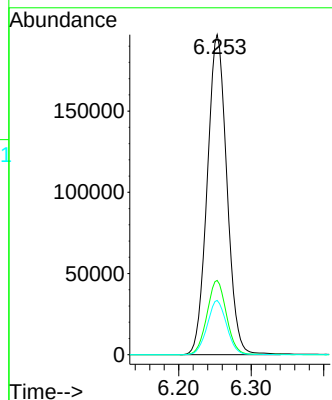
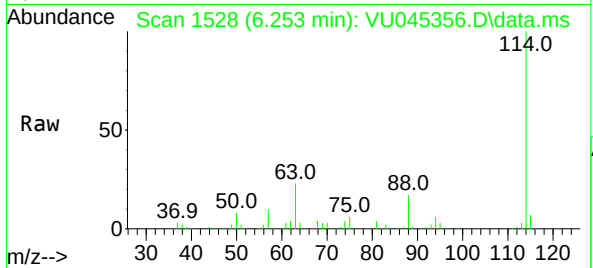




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. 0.000 min
Lab File: VU045356.D
Acq: 22 Oct 2021 11:37

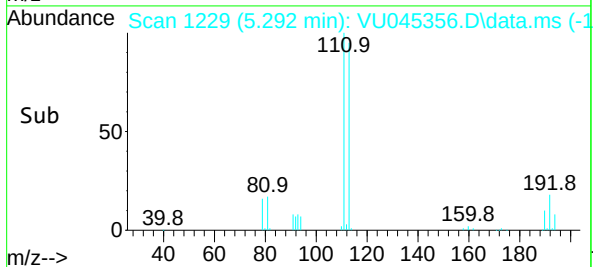
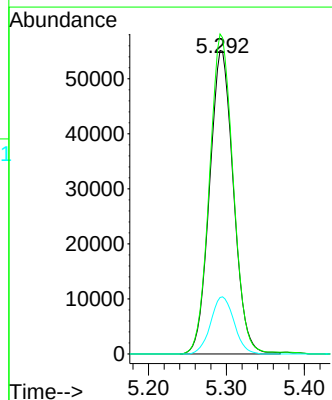
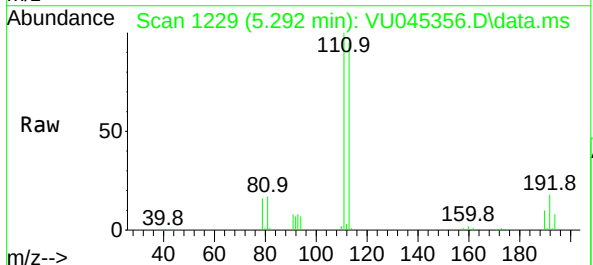
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MSVOA_U
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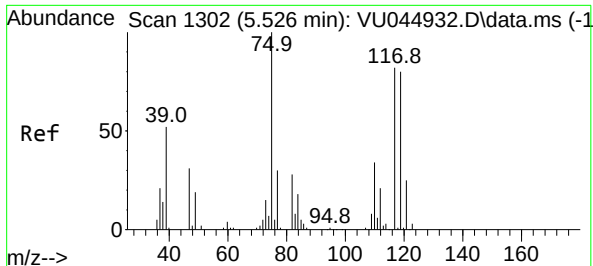
Tgt Ion:114 Resp: 370432
Ion Ratio Lower Upper
114 100
63 23.2 0.0 47.8
88 16.9 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.227 ug/l
RT: 5.292 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VU045356.D
Acq: 22 Oct 2021 11:37

Tgt Ion:113 Resp: 117371
Ion Ratio Lower Upper
113 100
111 104.8 84.1 126.1
192 18.5 14.8 22.2

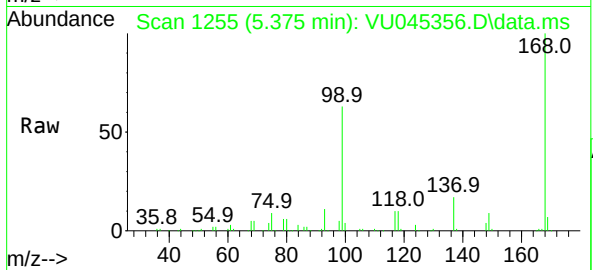




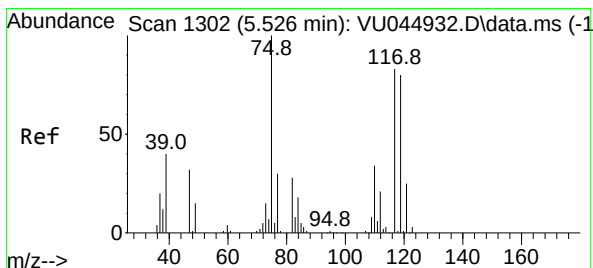
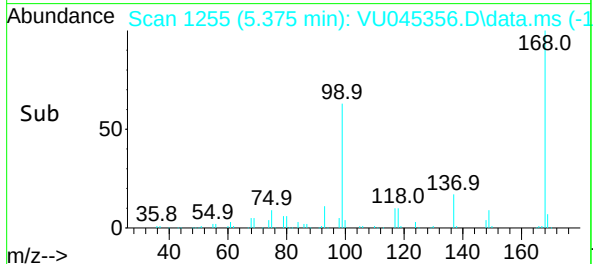
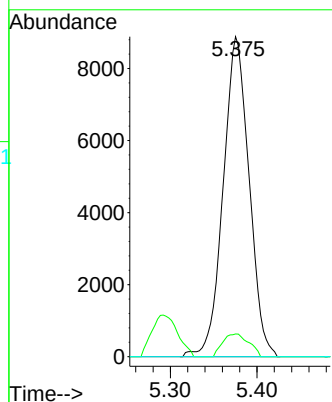
#36

1,1-Dichloropropene
Concen: 4.765 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU045356.D
Acq: 22 Oct 2021 11:37

Instrument :
MSVOA_U
ClientSampled :

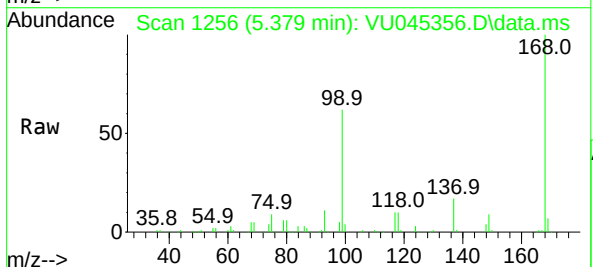


Tgt Ion:	75	Resp:	18459
Ion	Ratio	Lower	Upper
75	100		
110	7.2	16.3	48.9#
77	0.0	25.0	37.4#

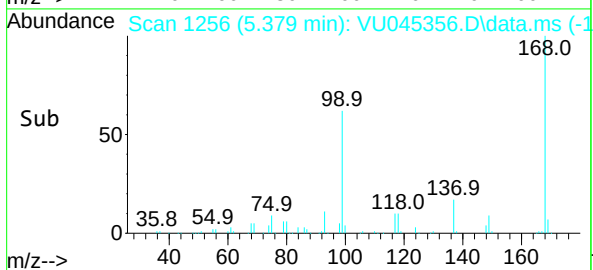
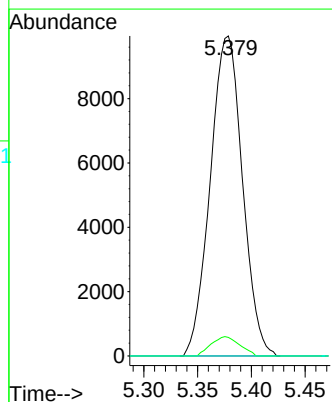


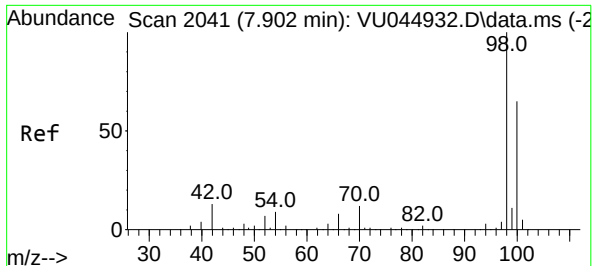
#38

Carbon Tetrachloride
Concen: 6.183 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.147 min
Lab File: VU045356.D
Acq: 22 Oct 2021 11:37



Tgt Ion:	117	Resp:	20727
Ion	Ratio	Lower	Upper
117	100		
119	5.8	77.4	116.2#
121	0.0	24.5	36.7#

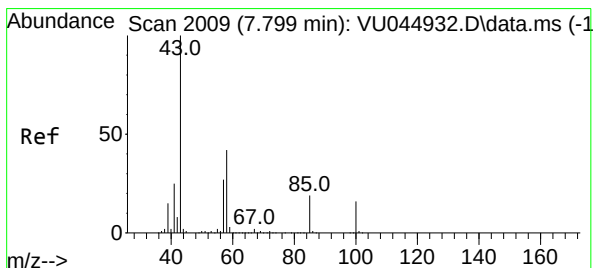
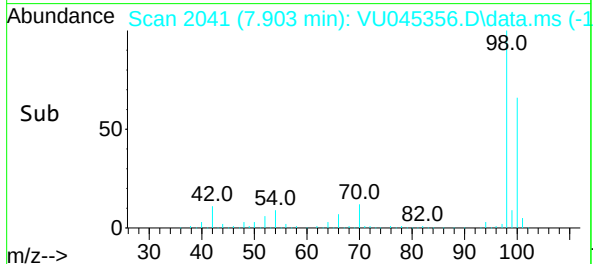
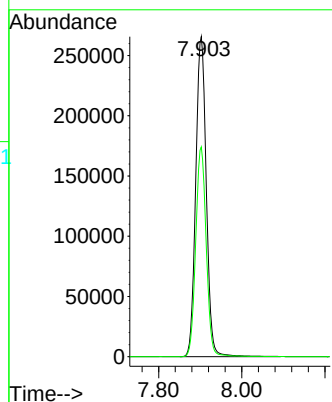
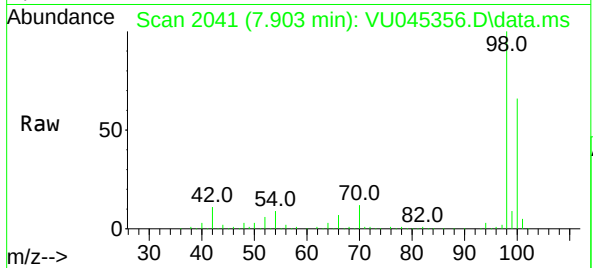




#50
Toluene-d8
Concen: 50.589 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.001 min
Lab File: VU045356.D
Acq: 22 Oct 2021 11:37

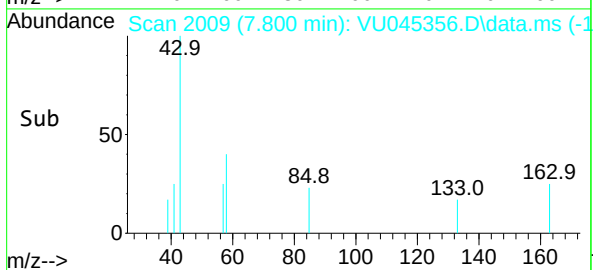
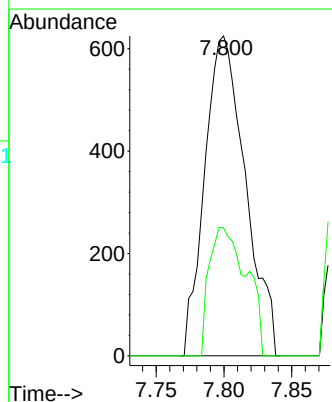
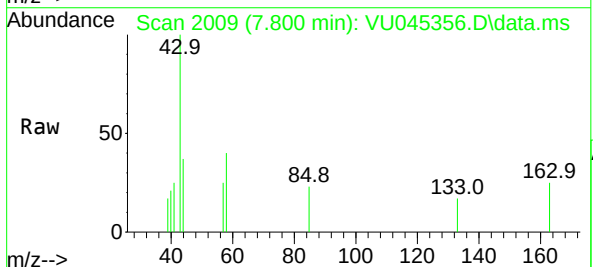
Instrument :
MSVOA_U
ClientSampled :

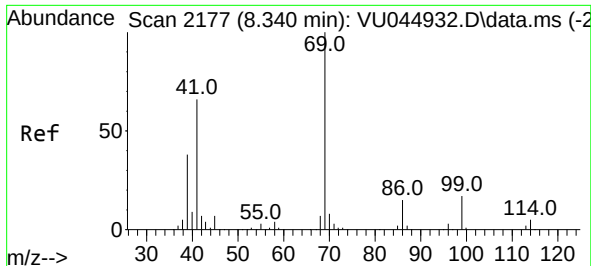
Tgt Ion: 98 Resp: 467097
Ion Ratio Lower Upper
98 100
100 65.2 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.233 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. 0.001 min
Lab File: VU045356.D
Acq: 22 Oct 2021 11:37

Tgt Ion: 43 Resp: 1308
Ion Ratio Lower Upper
43 100
58 36.4 32.4 48.6

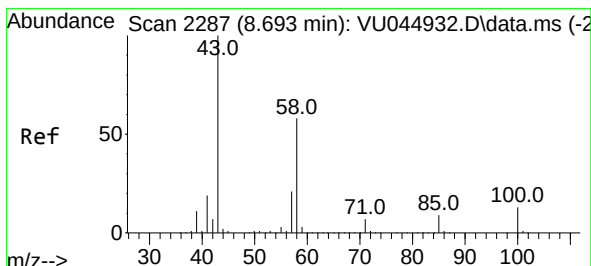
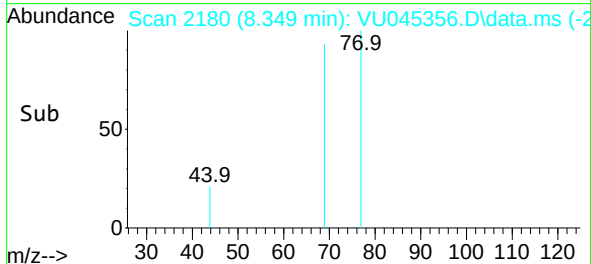
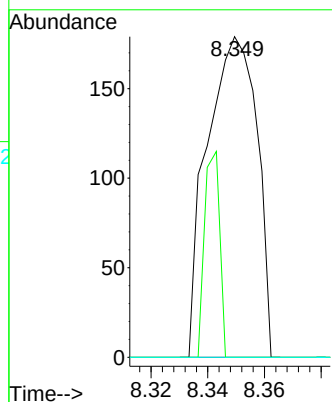
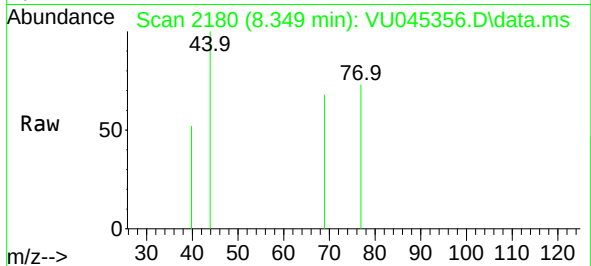




#56
Ethyl methacrylate
Concen: 1.857 ug/l
RT: 8.349 min Scan# 2180
Delta R.T. 0.009 min
Lab File: VU045356.D
Acq: 22 Oct 2021 11:37

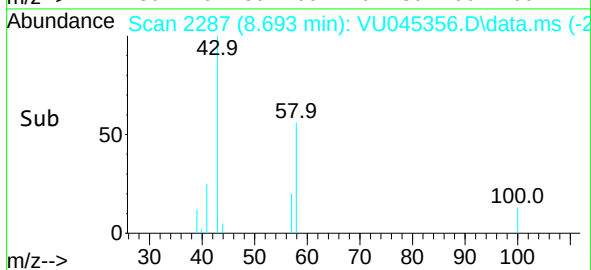
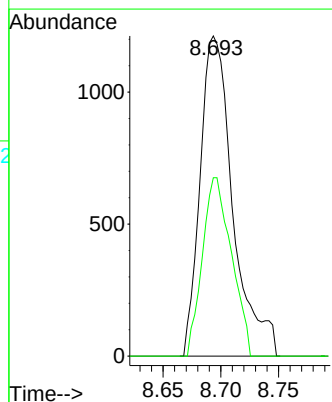
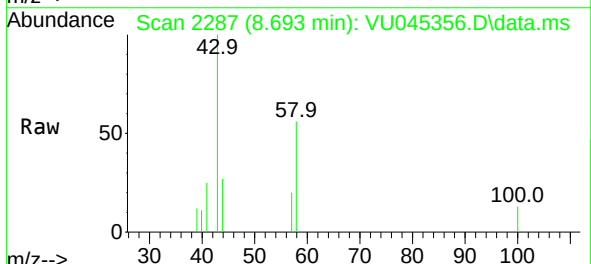
Instrument :
MSVOA_U
ClientSampled :

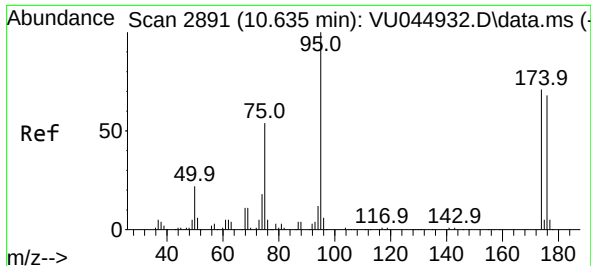
Tgt Ion: 69 Resp: 218
Ion Ratio Lower Upper
69 100
41 19.7 53.5 80.3#
39 0.0 31.1 46.7#



#59
2-Hexanone
Concen: 0.525 ug/l
RT: 8.693 min Scan# 2287
Delta R.T. 0.000 min
Lab File: VU045356.D
Acq: 22 Oct 2021 11:37

Tgt Ion: 43 Resp: 2400
Ion Ratio Lower Upper
43 100
58 49.2 28.0 84.0

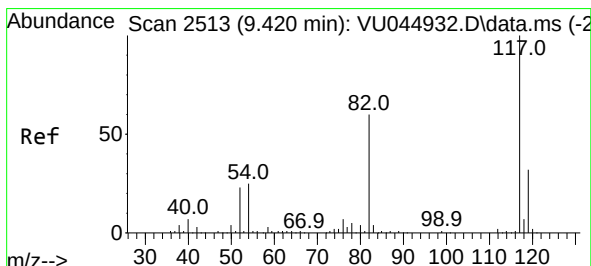
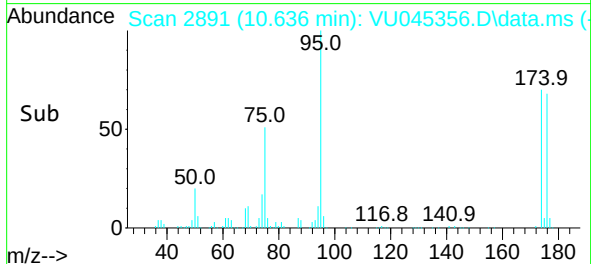
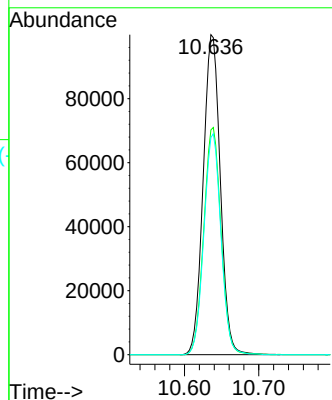
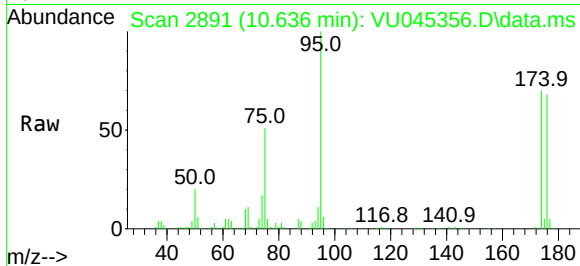




#62
4-Bromofluorobenzene
Concen: 42.005 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.001 min
Lab File: VU045356.D
Acq: 22 Oct 2021 11:37

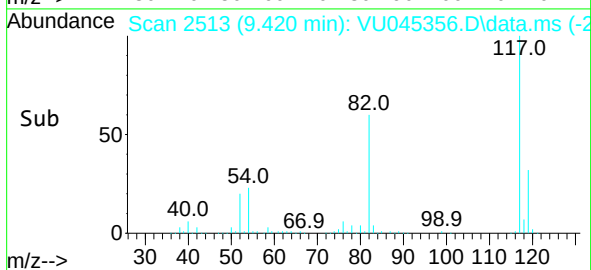
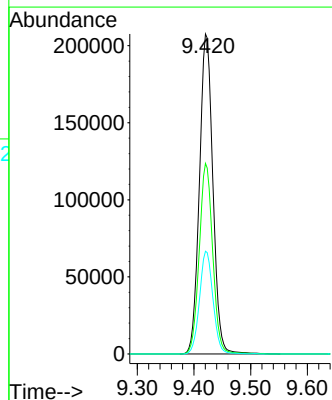
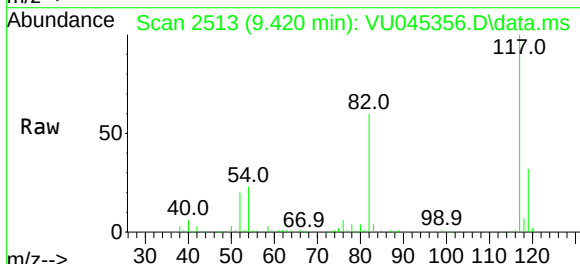
Instrument :
MSVOA_U
ClientSampleId :

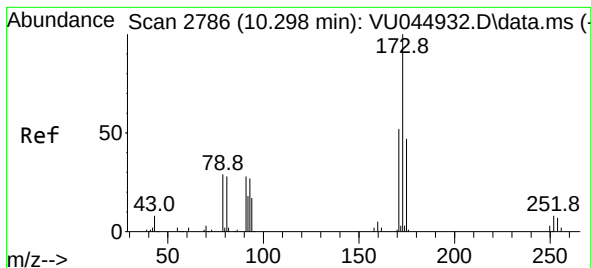
Tgt Ion: 95 Resp: 160121
Ion Ratio Lower Upper
95 100
174 71.5 0.0 146.6
176 68.7 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045356.D
Acq: 22 Oct 2021 11:37

Tgt Ion: 117 Resp: 342576
Ion Ratio Lower Upper
117 100
82 59.6 47.8 71.8
119 32.1 25.8 38.6





#71

Bromoform

Concen: 1.136 ug/l

RT: 10.295 min Scan# 2785

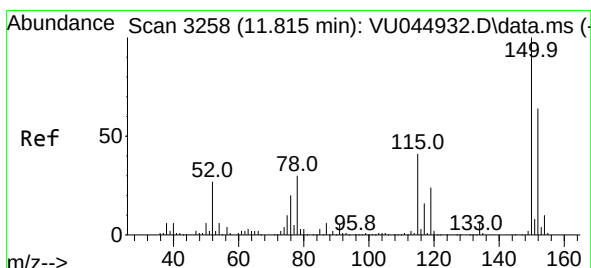
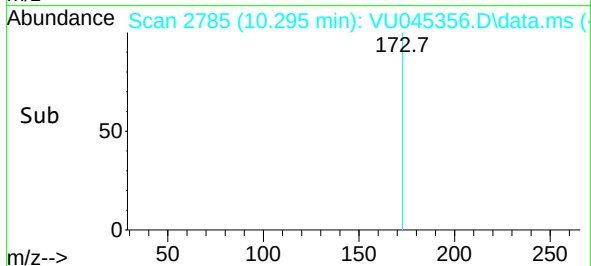
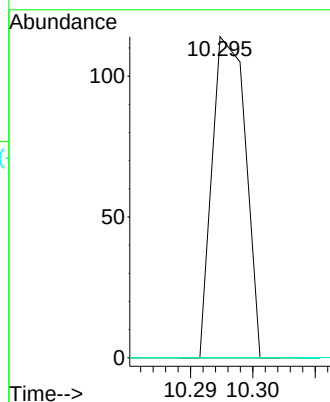
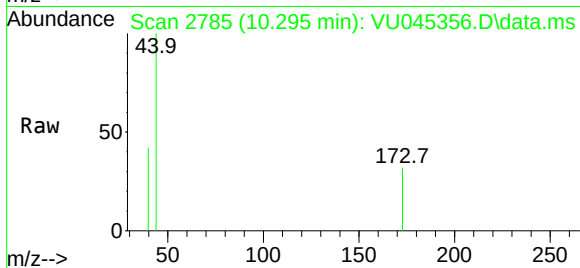
Delta R.T. -0.003 min

Lab File: VU045356.D

Acq: 22 Oct 2021 11:37

Tgt Ion:173	Resp:	42
Ion Ratio	Lower	Upper
173	100	
175	0.0	24.3
254	0.0	0.0

Instrument :
MSVOA_U
ClientSampleId :



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

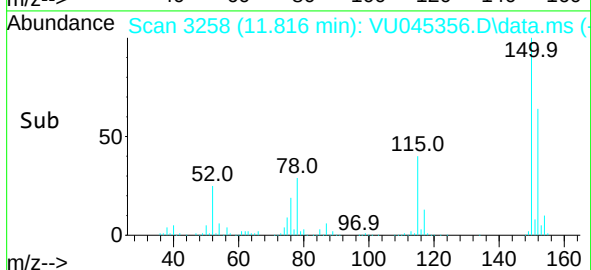
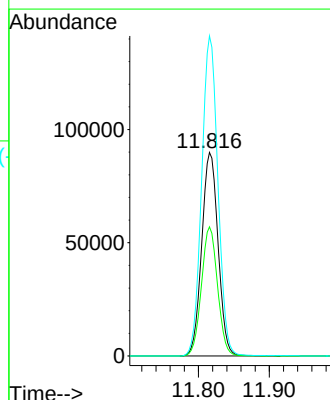
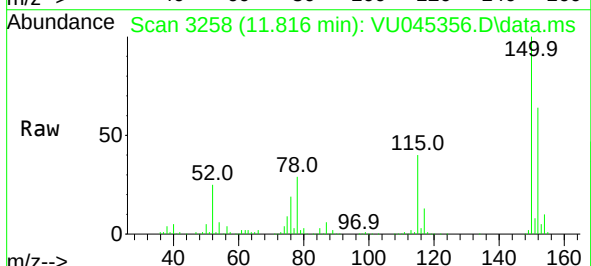
RT: 11.816 min Scan# 3258

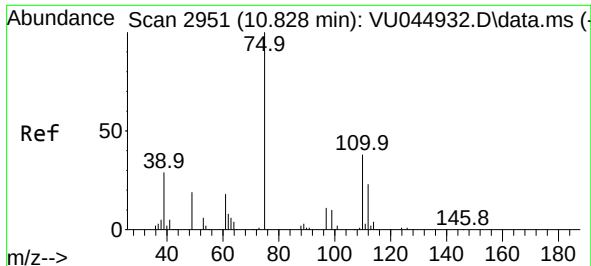
Delta R.T. 0.001 min

Lab File: VU045356.D

Acq: 22 Oct 2021 11:37

Tgt Ion:152	Resp:	144034
Ion Ratio	Lower	Upper
152	100	
115	62.3	43.5
150	155.8	0.0

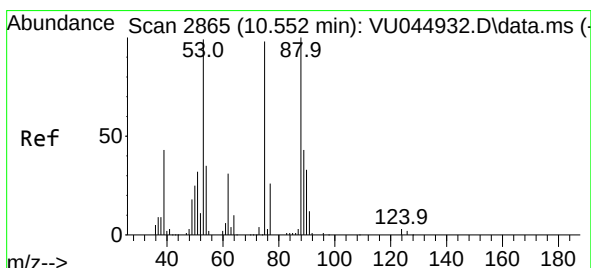
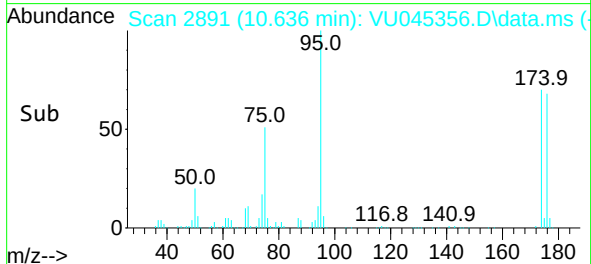
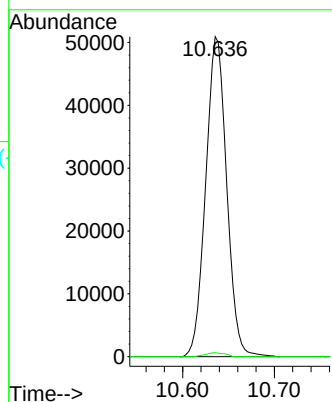
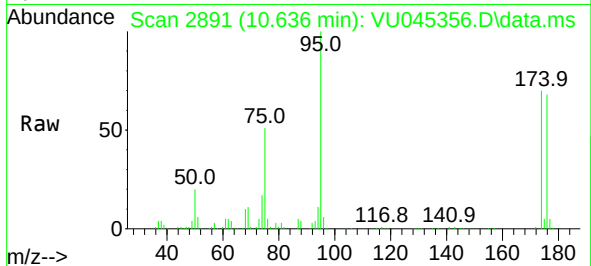




#76
1,2,3-Trichloropropane
Concen: 19.235 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.192 min
Lab File: VU045356.D
Acq: 22 Oct 2021 11:37

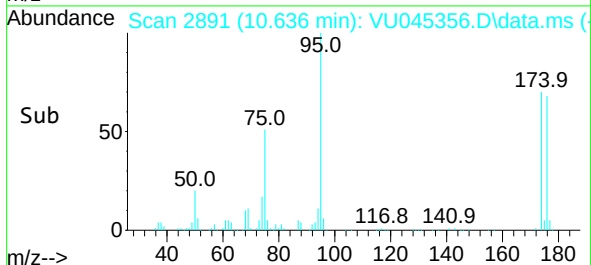
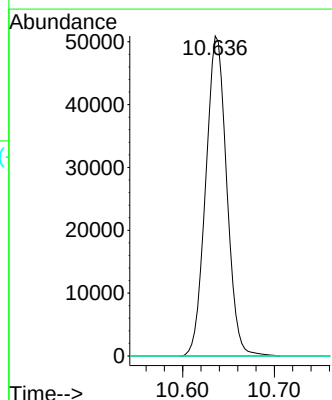
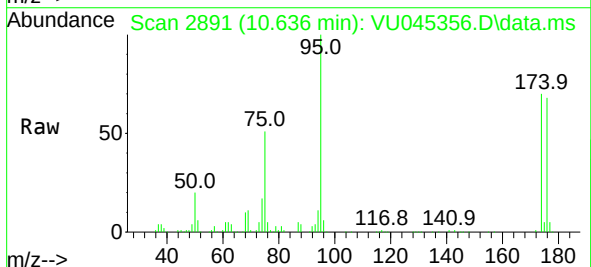
Instrument :
MSVOA_U
ClientSampled :

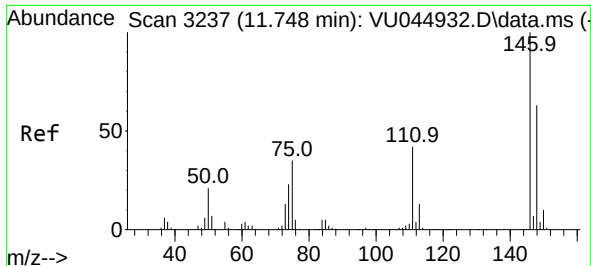
Tgt Ion: 75 Resp: 80812
Ion Ratio Lower Upper
75 100
77 1.2 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.382 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU045356.D
Acq: 22 Oct 2021 11:37

Tgt Ion: 75 Resp: 80812
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: 0.224 ug/l

RT: 11.751 min Scan# 3238

Delta R.T. 0.003 min

Lab File: VU045356.D

Acq: 22 Oct 2021 11:37

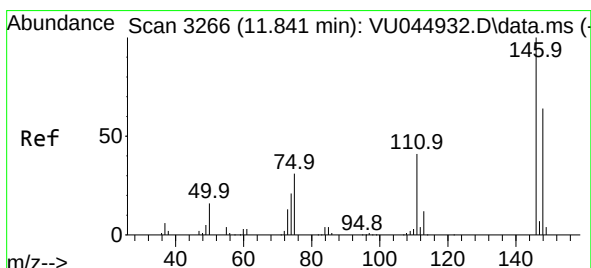
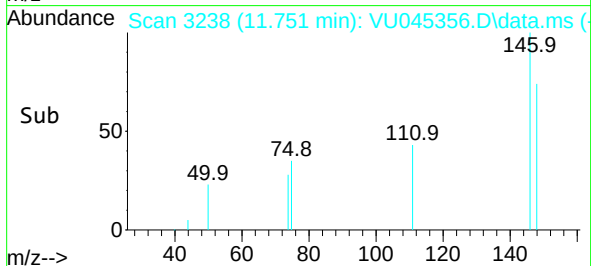
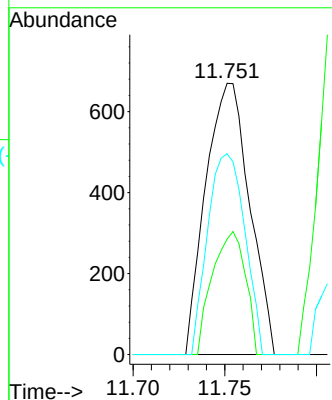
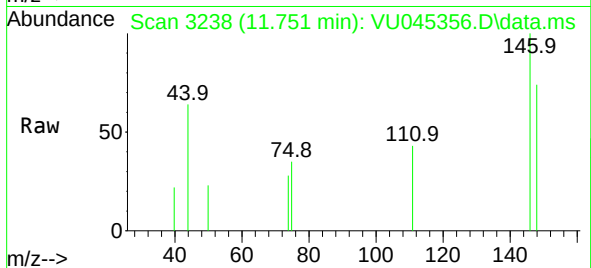
Tgt Ion:146 Resp: 1112

Ion Ratio Lower Upper

146 100

111 34.2 21.2 63.6

148 62.9 32.1 96.3



#88

1,4-Dichlorobenzene

Concen: 0.219 ug/l

RT: 11.751 min Scan# 3238

Delta R.T. -0.090 min

Lab File: VU045356.D

Acq: 22 Oct 2021 11:37

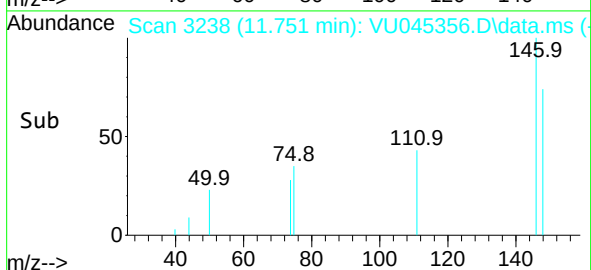
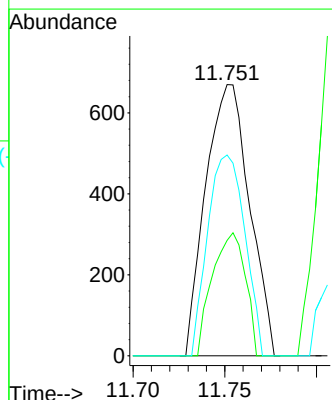
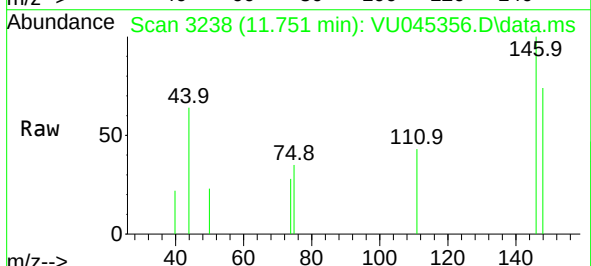
Tgt Ion:146 Resp: 1112

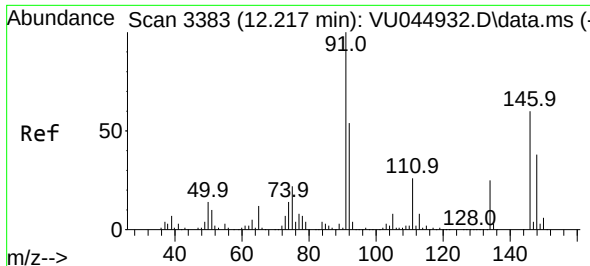
Ion Ratio Lower Upper

146 100

111 34.2 20.3 61.0

148 62.9 31.8 95.3

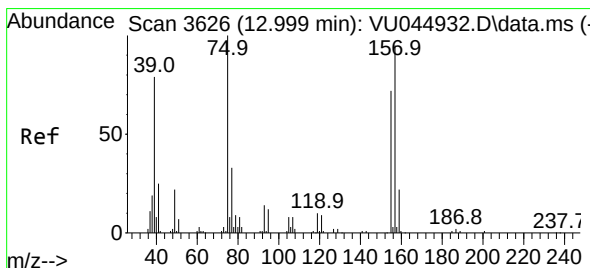
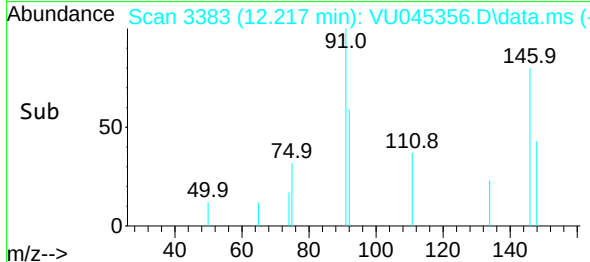
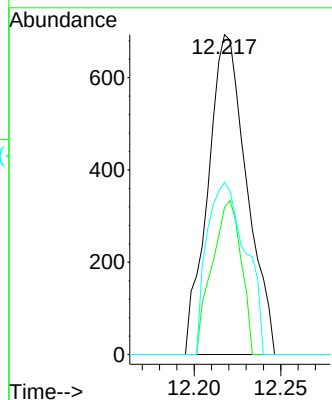
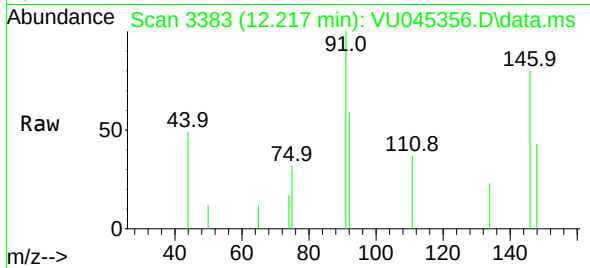




#91
1,2-Dichlorobenzene
Concen: 0.212 ug/l
RT: 12.217 min Scan# 3383
Delta R.T. 0.000 min
Lab File: VU045356.D
Acq: 22 Oct 2021 11:37

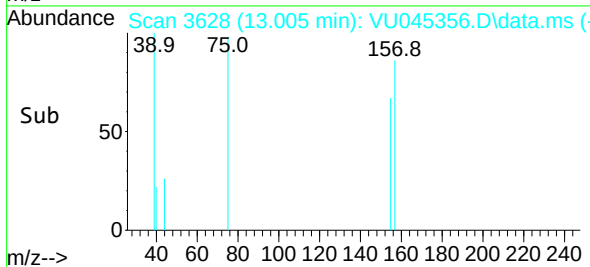
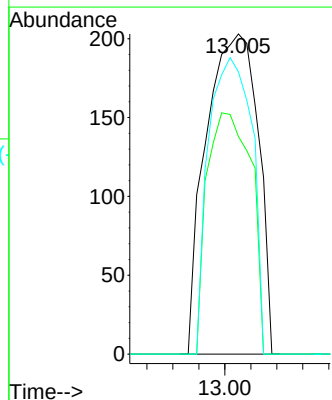
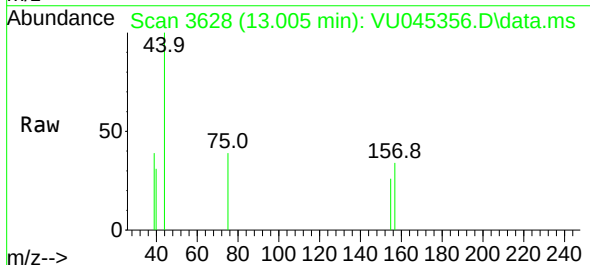
Instrument :
MSVOA_U
ClientSampled :

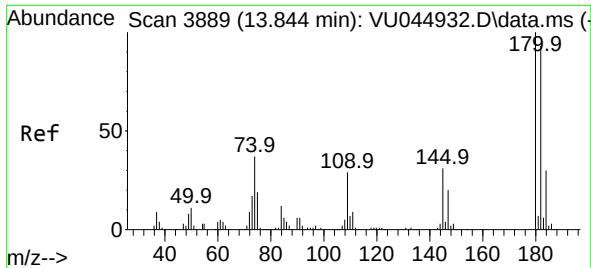
Tgt Ion:146 Resp: 1077
Ion Ratio Lower Upper
146 100
111 36.0 21.4 64.3
148 53.6 31.8 95.3



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.257 ug/l
RT: 13.005 min Scan# 3628
Delta R.T. 0.006 min
Lab File: VU045356.D
Acq: 22 Oct 2021 11:37

Tgt Ion: 75 Resp: 281
Ion Ratio Lower Upper
75 100
155 64.1 36.9 110.6
157 76.9 47.8 143.3

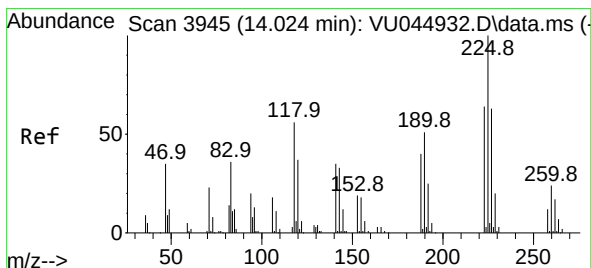
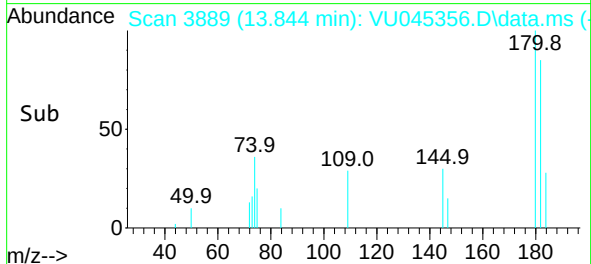
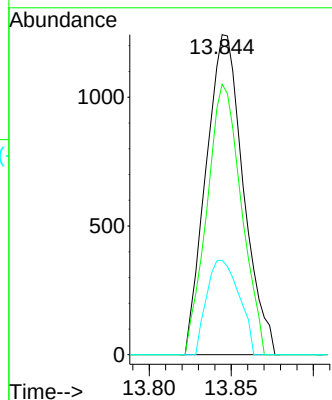
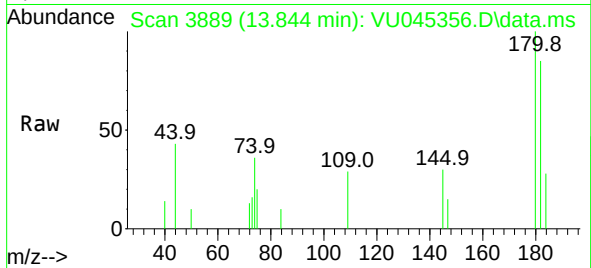




#93
1,2,4-Trichlorobenzene
Concen: 0.696 ug/l
RT: 13.844 min Scan# 3889
Delta R.T. 0.000 min
Lab File: VU045356.D
Acq: 22 Oct 2021 11:37

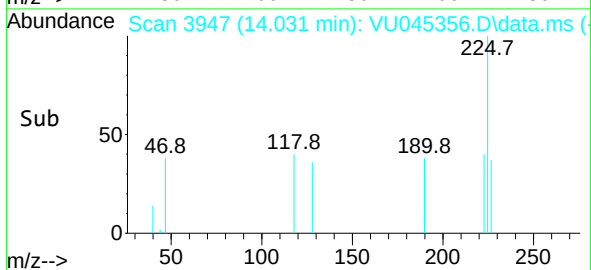
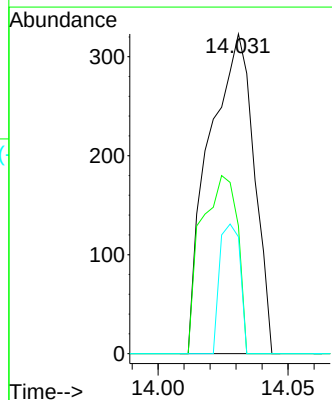
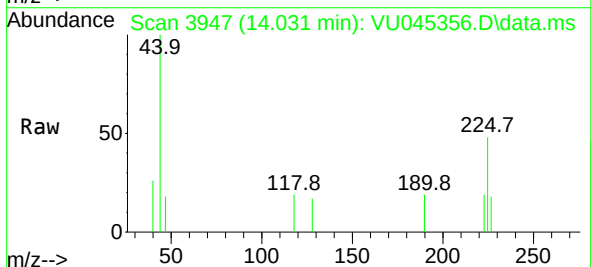
Instrument :
MSVOA_U
ClientSampled :

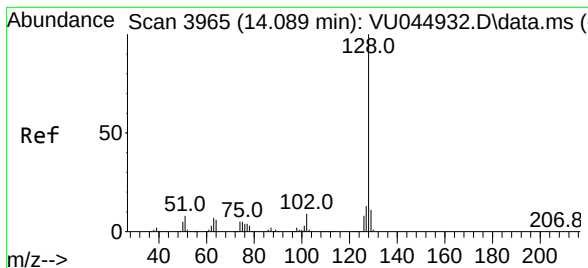
Tgt Ion:180 Resp: 1966
Ion Ratio Lower Upper
180 100
182 77.7 47.4 142.3
145 25.6 15.4 46.2



#94
Hexachlorobutadiene
Concen: 0.327 ug/l
RT: 14.031 min Scan# 3947
Delta R.T. 0.007 min
Lab File: VU045356.D
Acq: 22 Oct 2021 11:37

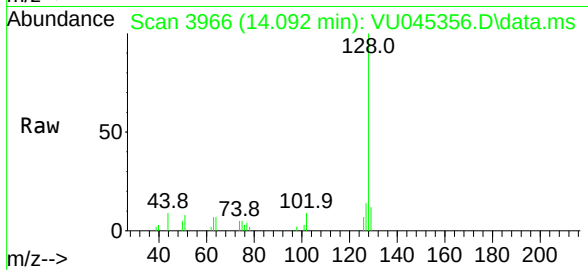
Tgt Ion:225 Resp: 386
Ion Ratio Lower Upper
225 100
223 45.1 31.1 93.3
227 18.4 31.4 94.3#



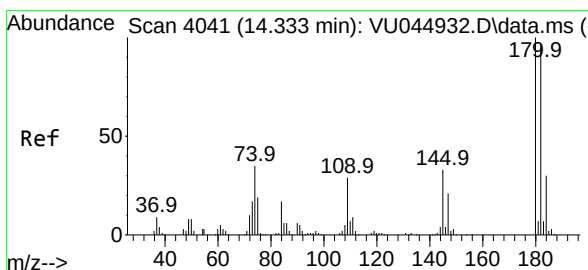
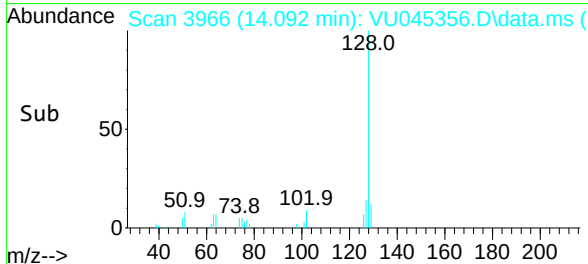
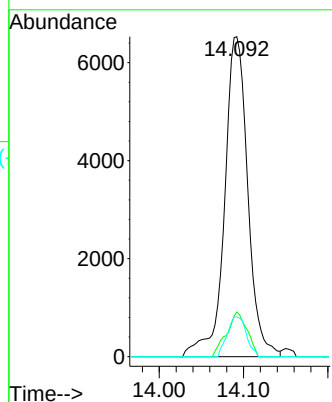


#95
Naphthalene
Concen: 1.178 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU045356.D
Acq: 22 Oct 2021 11:37

Instrument :
MSVOA_U
ClientSampled :



Tgt Ion:128 Resp: 12515
Ion Ratio Lower Upper
128 100
127 12.2 10.4 15.6
129 10.2 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.804 ug/l
RT: 14.333 min Scan# 4041
Delta R.T. 0.000 min
Lab File: VU045356.D
Acq: 22 Oct 2021 11:37

Tgt Ion:180 Resp: 2282
Ion Ratio Lower Upper
180 100
182 94.7 47.1 141.4
145 28.3 16.4 49.2

