

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU093021\
 Data File : VU045036.D
 Acq On : 30 Sep 2021 10:53
 Operator : SY/MD
 Sample : VU0930MBL01
 Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 30 16:06:15 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	5.378	168	198604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	360579	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	330196	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	141651	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	161711	48.914	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.820%
35) Dibromofluoromethane	5.295	113	113516	49.905	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.800%
50) Toluene-d8	7.902	98	449143	49.974	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.940%
62) 4-Bromofluorobenzene	10.635	95	156281	42.118	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	84.240%

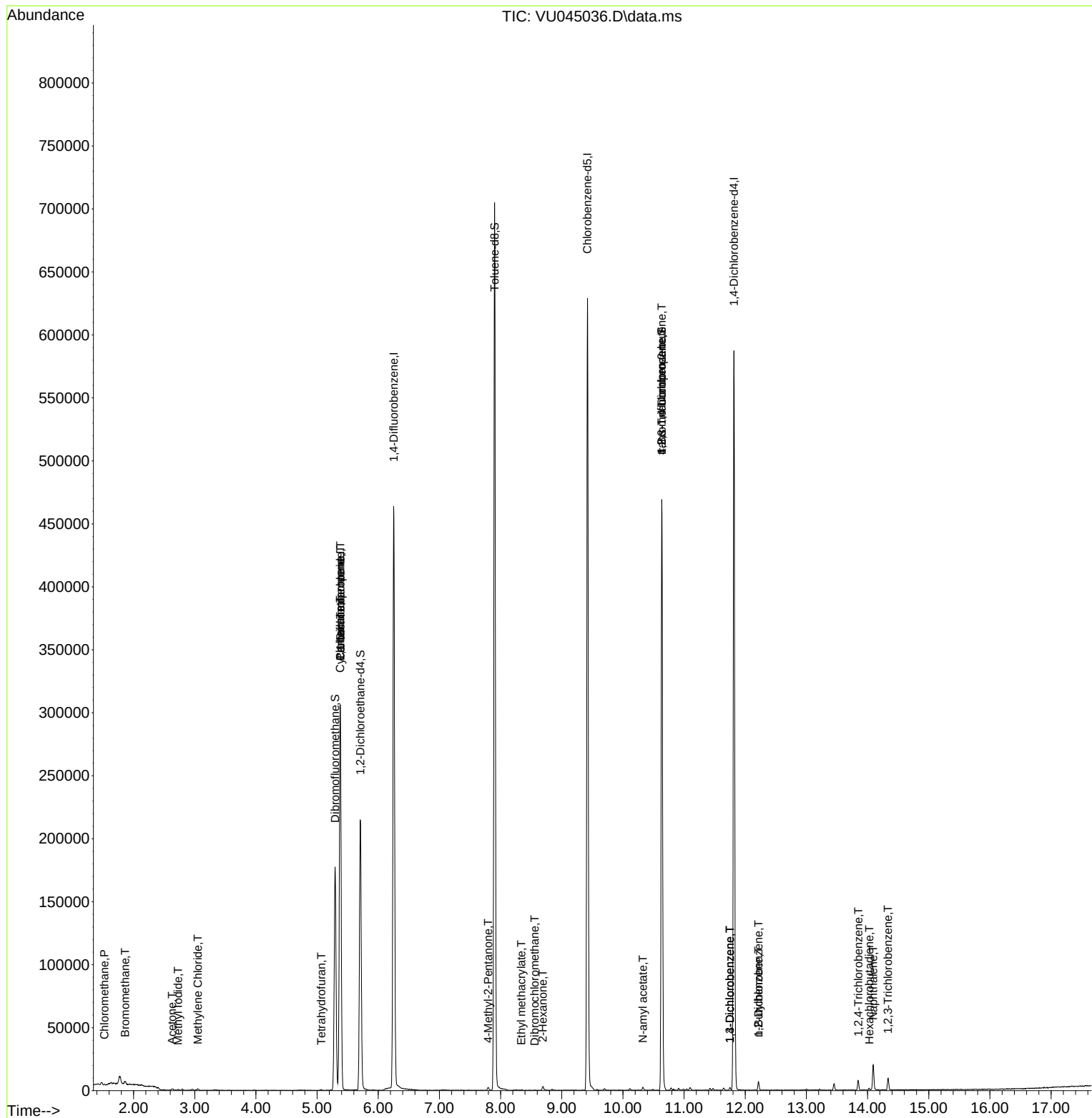
Target Compounds				Qvalue		
3) Chloromethane	1.523	50	713	0.224	ug/l #	87
5) Bromomethane	1.861	94	1323	1.060	ug/l	93
10) Methyl Iodide	2.729	142	672	0.264	ug/l #	75
16) Acetone	2.629	43	1256	0.640	ug/l	95
20) Methylene Chloride	3.051	84	623	0.211	ug/l #	83
29) Tetrahydrofuran	5.070	42	402	0.242	ug/l #	54
31) Cyclohexane	5.375	56	5027	1.001	ug/l #	1
36) 1,1-Dichloropropene	5.378	75	18658	4.948	ug/l #	49
38) Carbon Tetrachloride	5.378	117	21087	6.463	ug/l #	16
51) 4-Methyl-2-Pentanone	7.796	43	1700	0.311	ug/l #	86
56) Ethyl methacrylate	8.340	69	180	1.851	ug/l #	63
59) 2-Hexanone	8.690	43	2626	0.590	ug/l	87
60) Dibromochloromethane	8.558	129	46	2.190	ug/l #	10
74) N-amyl acetate	10.327	43	1565	0.295	ug/l #	89
76) 1,2,3-Trichloropropane	10.635	75	84041	20.341	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.635	75	84041	56.448	ug/l #	9
87) 1,3-Dichlorobenzene	11.751	146	1058	0.217	ug/l	97
88) 1,4-Dichlorobenzene	11.751	146	1058	0.212	ug/l	97
89) n-Butylbenzene	12.214	91	2861	0.334	ug/l	94
91) 1,2-Dichlorobenzene	12.217	146	1248	0.250	ug/l	97
93) 1,2,4-Trichlorobenzene	13.848	180	2585	0.930	ug/l	97
94) Hexachlorobutadiene	14.028	225	287	0.247	ug/l	82
95) Naphthalene	14.092	128	17247	1.650	ug/l	97
96) 1,2,3-Trichlorobenzene	14.333	180	3109	1.114	ug/l	99

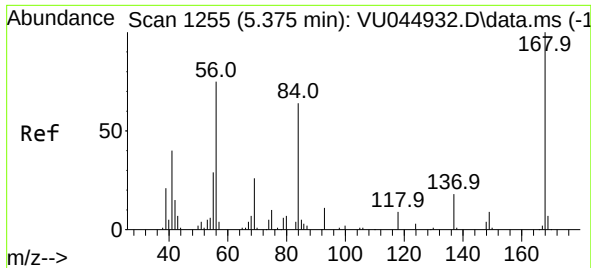
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU093021\
Data File : VU045036.D
Acq On : 30 Sep 2021 10:53
Operator : SY/MD
Sample : VU0930MBL01
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Sep 30 16:06:15 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

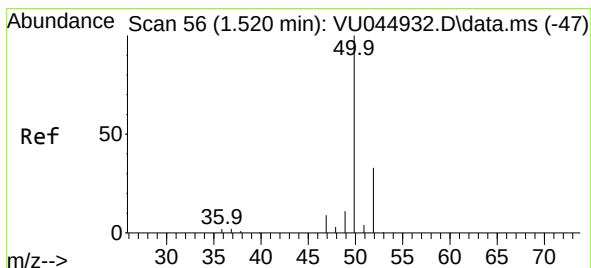
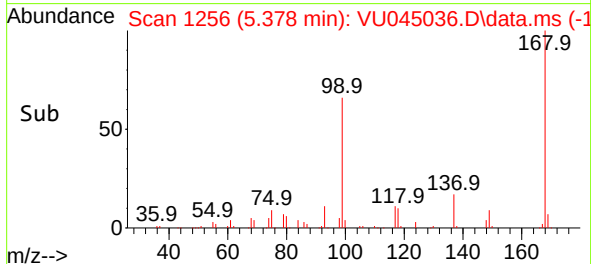
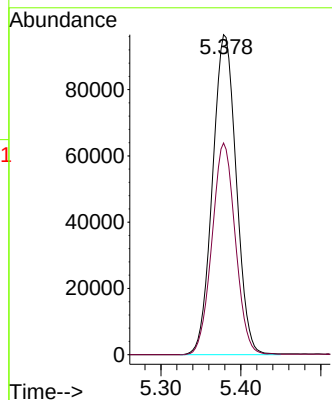
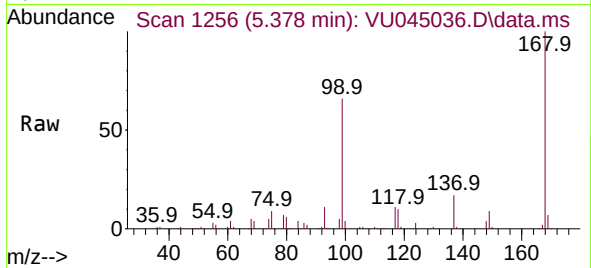




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. 0.003 min
Lab File: VU045036.D
Acq: 30 Sep 2021 10:53

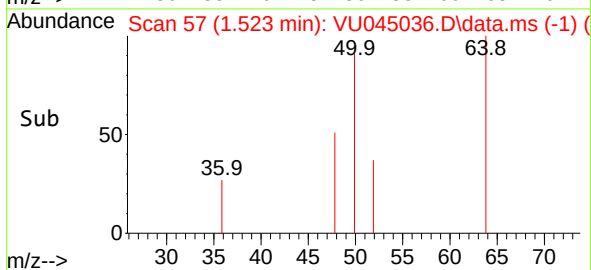
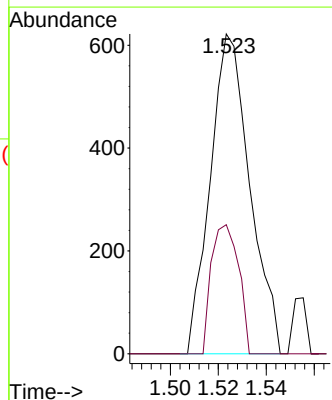
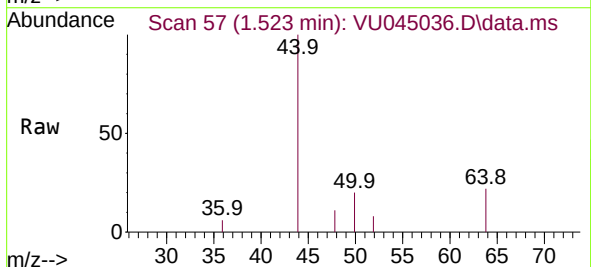
Instrument :
MSVOA_U
ClientSampled :

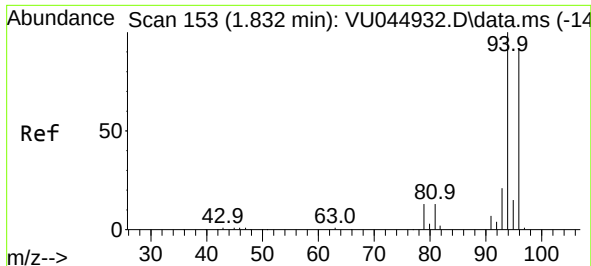
Tgt Ion:168 Resp: 198604
Ion Ratio Lower Upper
168 100
99 66.1 51.4 77.0



#3
Chloromethane
Concen: 0.224 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU045036.D
Acq: 30 Sep 2021 10:53

Tgt Ion: 50 Resp: 713
Ion Ratio Lower Upper
50 100
52 40.4 26.3 39.5#

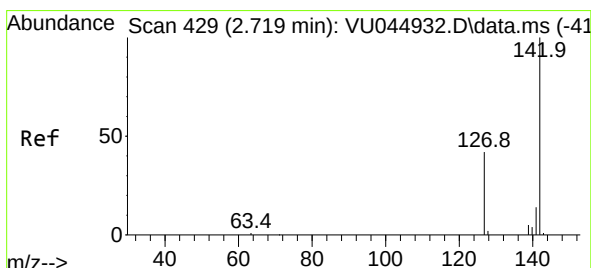
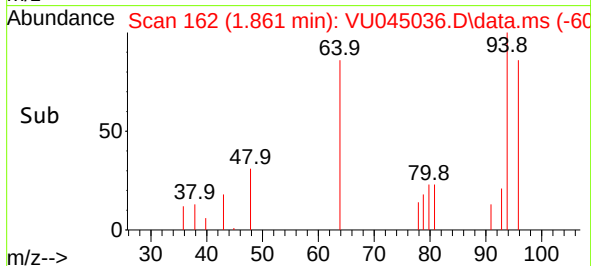
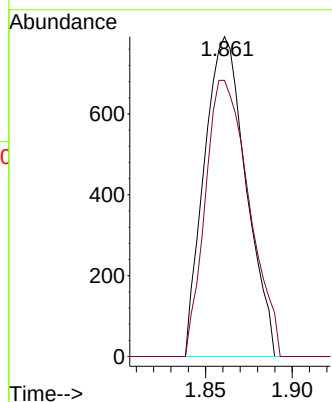
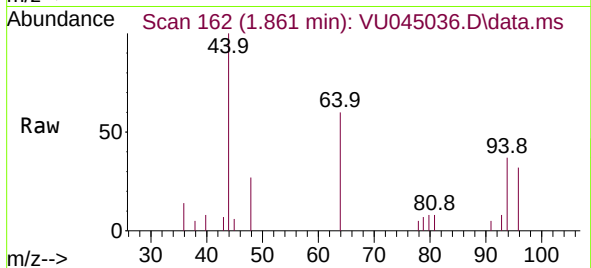




#5
Bromomethane
Concen: 1.060 ug/l
RT: 1.861 min Scan# 162
Delta R.T. 0.029 min
Lab File: VU045036.D
Acq: 30 Sep 2021 10:53

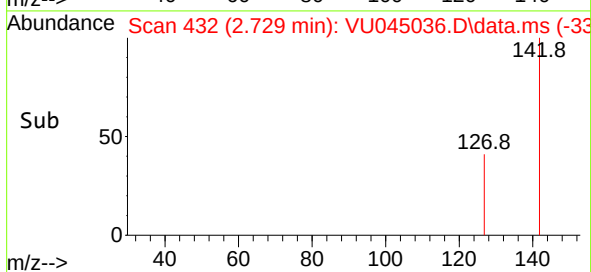
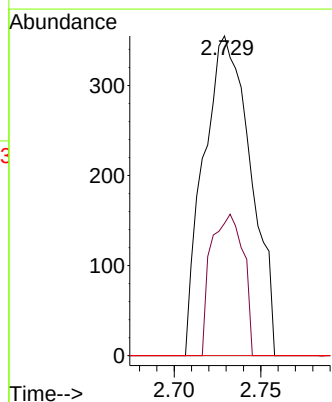
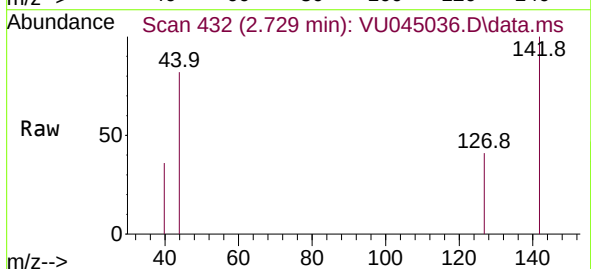
Instrument :
MSVOA_U
ClientSampleId :

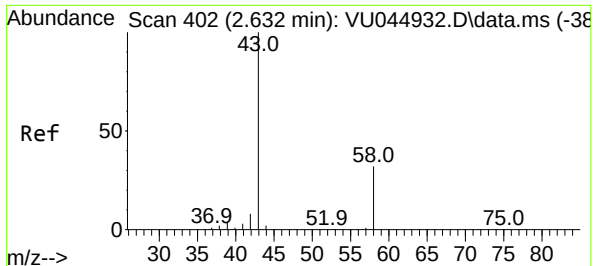
Tgt Ion: 94 Resp: 1323
Ion Ratio Lower Upper
94 100
96 86.3 74.5 111.7



#10
Methyl Iodide
Concen: 0.264 ug/l
RT: 2.729 min Scan# 432
Delta R.T. 0.010 min
Lab File: VU045036.D
Acq: 30 Sep 2021 10:53

Tgt Ion: 142 Resp: 672
Ion Ratio Lower Upper
142 100
127 30.4 35.6 53.4#
141 0.0 11.3 16.9#

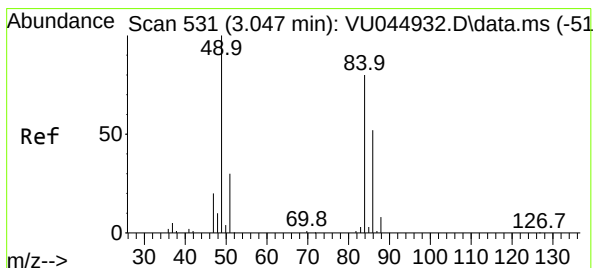
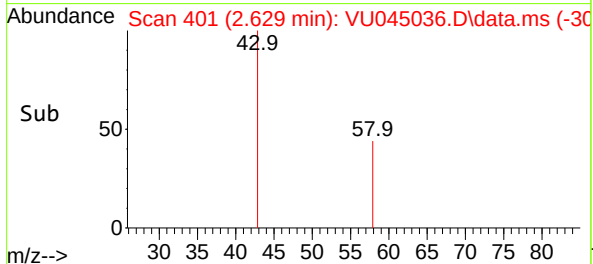
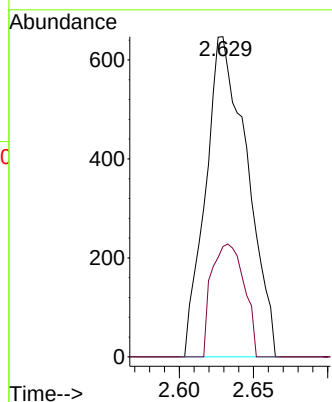
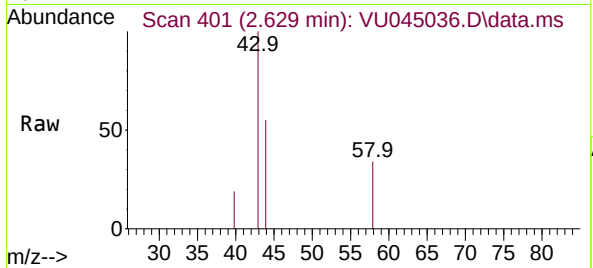




#16
Acetone
Concen: 0.640 ug/l
RT: 2.629 min Scan# 401
Delta R.T. -0.003 min
Lab File: VU045036.D
Acq: 30 Sep 2021 10:53

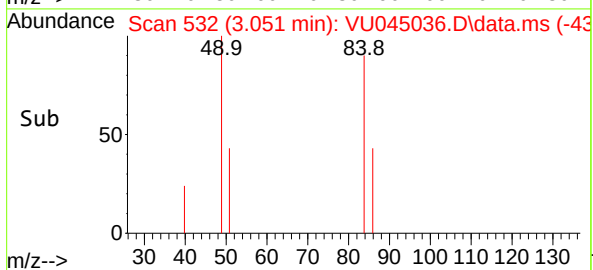
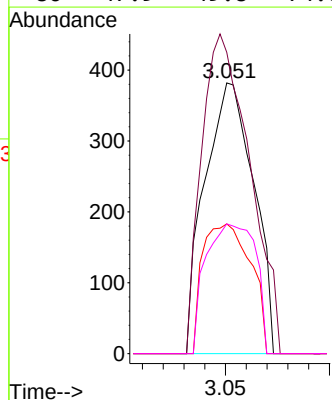
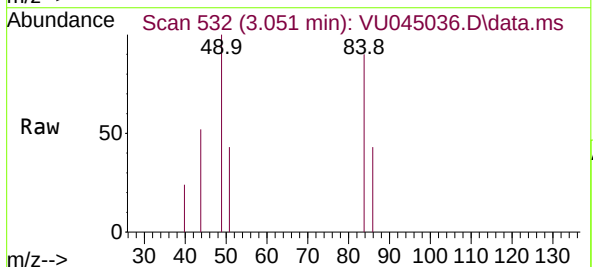
Instrument :
MSVOA_U
ClientSampled :

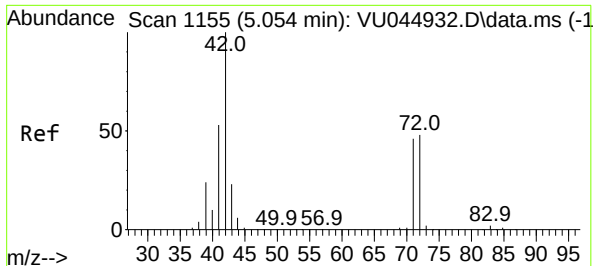
Tgt Ion: 43 Resp: 1256
Ion Ratio Lower Upper
43 100
58 34.5 25.2 37.8



#20
Methylene Chloride
Concen: 0.211 ug/l
RT: 3.051 min Scan# 532
Delta R.T. 0.004 min
Lab File: VU045036.D
Acq: 30 Sep 2021 10:53

Tgt Ion: 84 Resp: 623
Ion Ratio Lower Upper
84 100
49 111.3 104.9 157.3
51 47.9 31.8 47.8#
86 47.9 49.8 74.6#





#29

Tetrahydrofuran

Concen: 0.242 ug/l

RT: 5.070 min Scan# 1160

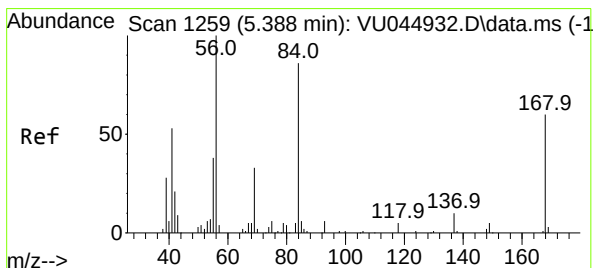
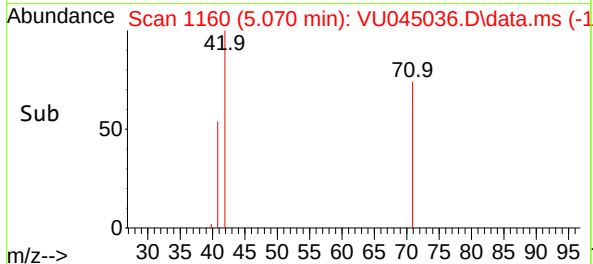
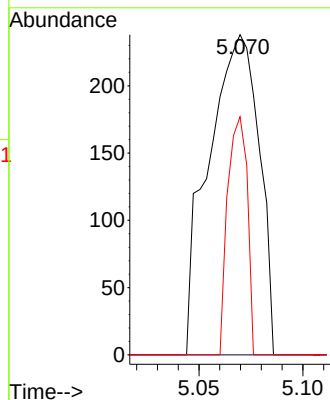
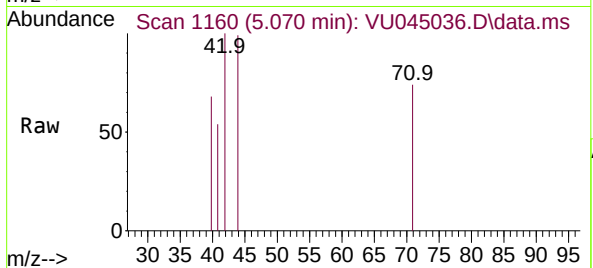
Delta R.T. 0.016 min

Lab File: VU045036.D

Acq: 30 Sep 2021 10:53

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:	42	Resp:	402
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.2	54.4#
71	28.6	34.1	51.1#



#31

Cyclohexane

Concen: 1.001 ug/l

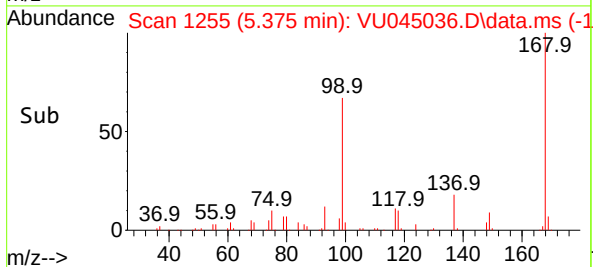
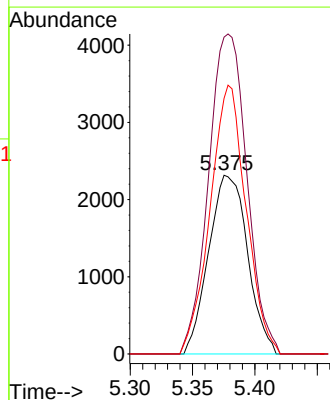
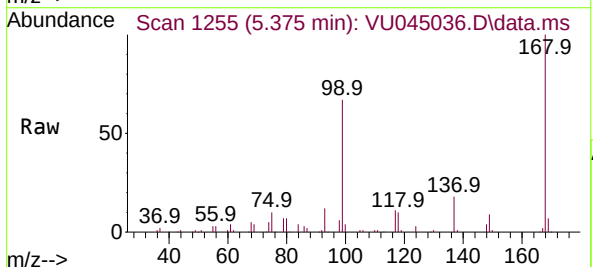
RT: 5.375 min Scan# 1255

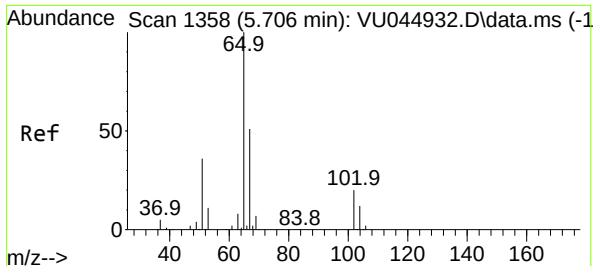
Delta R.T. -0.013 min

Lab File: VU045036.D

Acq: 30 Sep 2021 10:53

Tgt Ion:	56	Resp:	5027
Ion	Ratio	Lower	Upper
56	100		
69	177.3	25.2	37.8#
84	143.0	66.4	99.6#



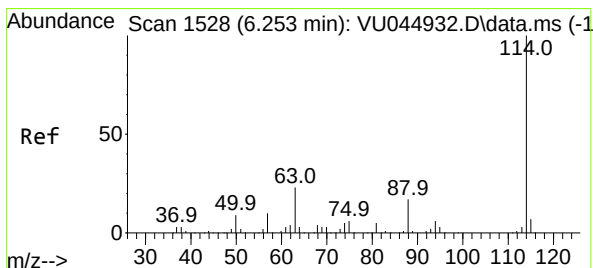
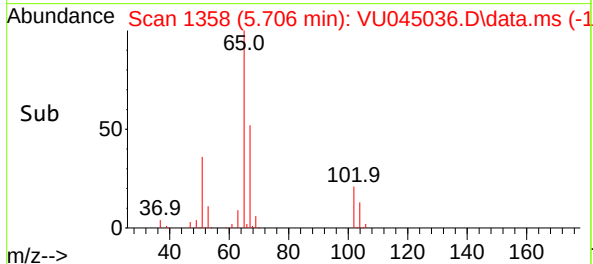
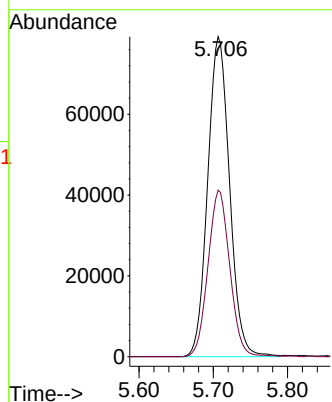
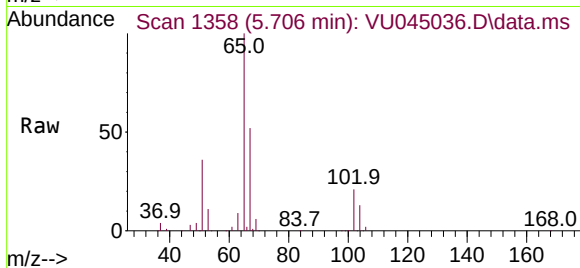


#33

1,2-Dichloroethane-d4
Concen: 48.914 ug/l
RT: 5.706 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VU045036.D
Acq: 30 Sep 2021 10:53

Instrument :
MSVOA_U
ClientSampled :

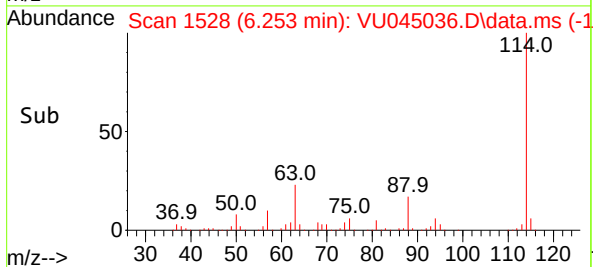
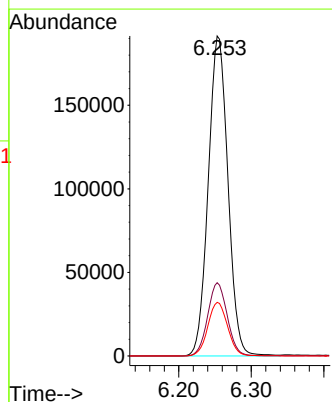
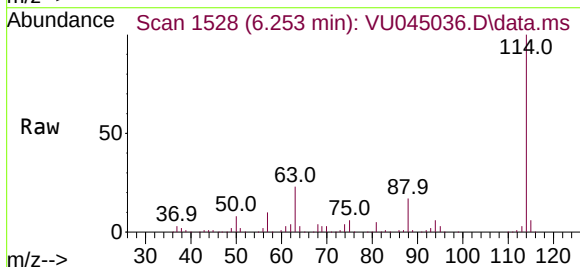
Tgt Ion: 65 Resp: 161711
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.8

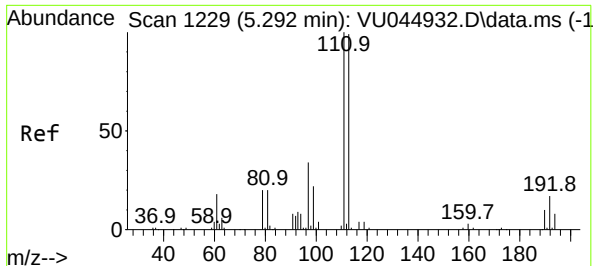


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. 0.000 min
Lab File: VU045036.D
Acq: 30 Sep 2021 10:53

Tgt Ion: 114 Resp: 360579
Ion Ratio Lower Upper
114 100
63 22.9 0.0 47.8
88 16.7 0.0 32.8

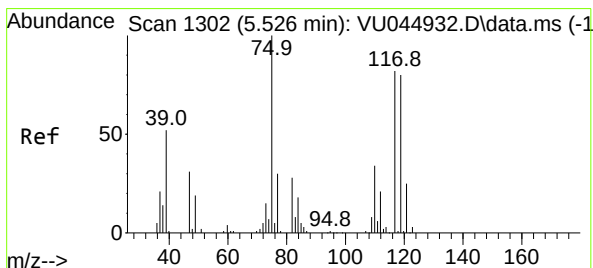
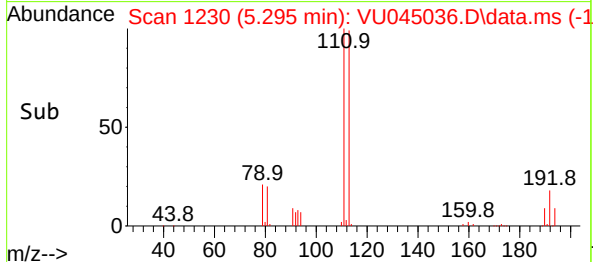
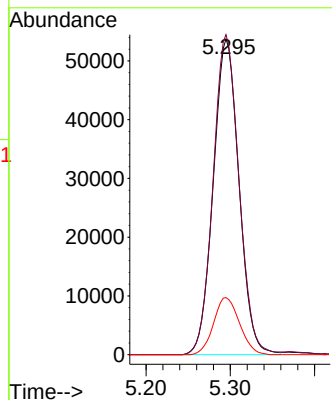
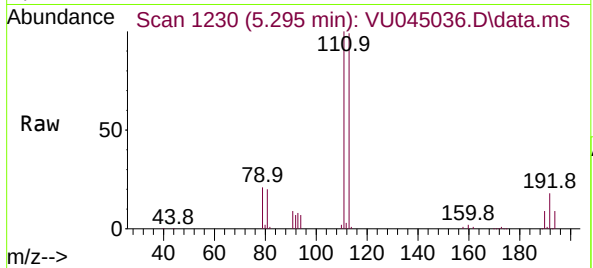




#35
Dibromofluoromethane
Concen: 49.905 ug/l
RT: 5.295 min Scan# 1230
Delta R.T. 0.003 min
Lab File: VU045036.D
Acq: 30 Sep 2021 10:53

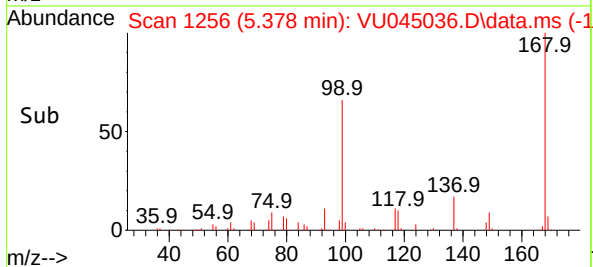
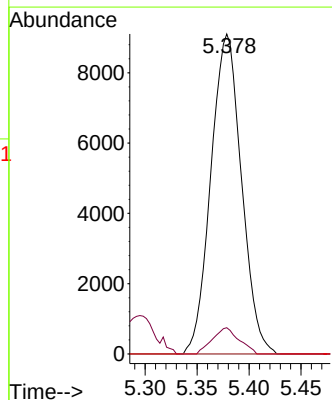
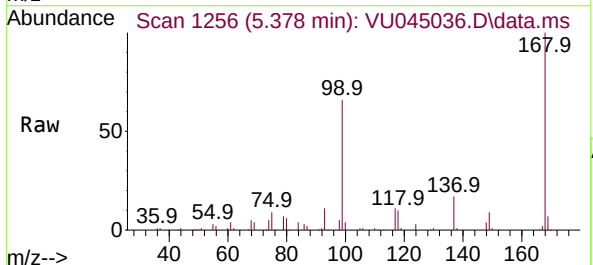
Instrument :
MSVOA_U
ClientSampleId :

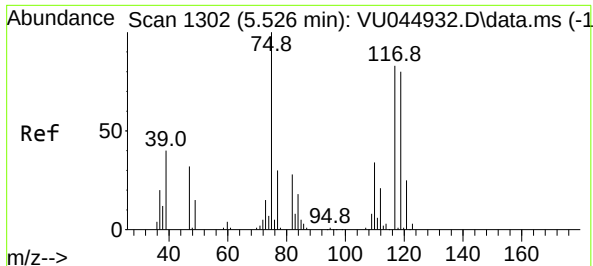
Tgt Ion:113 Resp: 113516
Ion Ratio Lower Upper
113 100
111 102.2 84.1 126.1
192 18.3 14.8 22.2



#36
1,1-Dichloropropene
Concen: 4.948 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.148 min
Lab File: VU045036.D
Acq: 30 Sep 2021 10:53

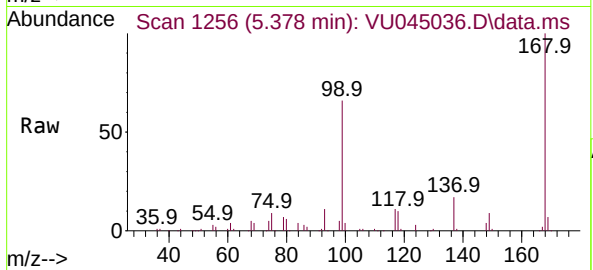
Tgt Ion: 75 Resp: 18658
Ion Ratio Lower Upper
75 100
110 7.1 16.3 48.9#
77 0.0 25.0 37.4#



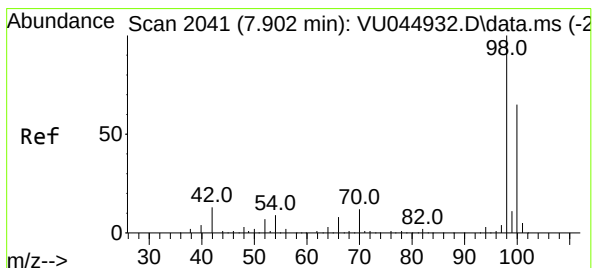
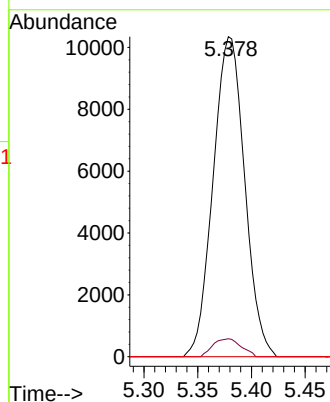
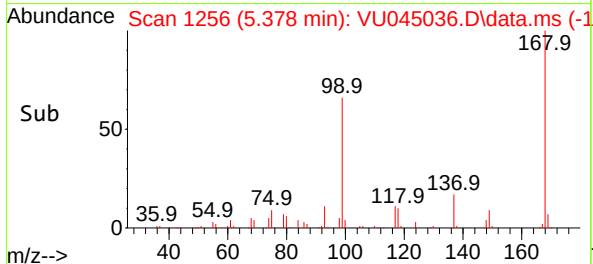


#38
Carbon Tetrachloride
Concen: 6.463 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.148 min
Lab File: VU045036.D
Acq: 30 Sep 2021 10:53

Instrument :
MSVOA_U
ClientSampled :

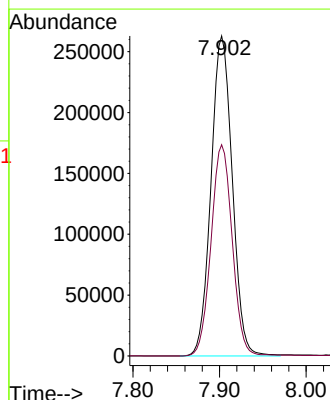
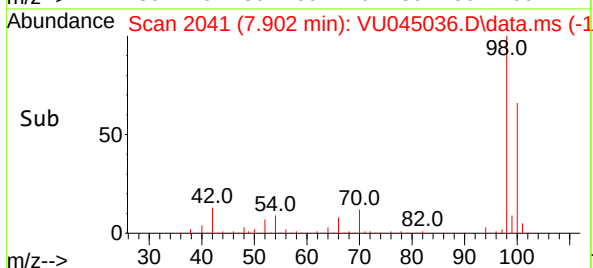
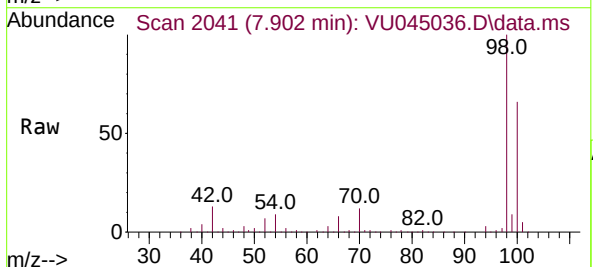


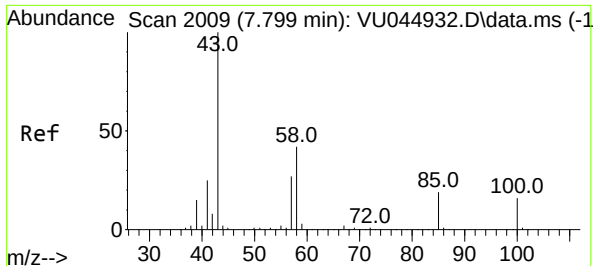
Tgt Ion:117 Resp: 21087
Ion Ratio Lower Upper
117 100
119 5.6 77.4 116.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.974 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VU045036.D
Acq: 30 Sep 2021 10:53

Tgt Ion: 98 Resp: 449143
Ion Ratio Lower Upper
98 100
100 65.7 52.5 78.7

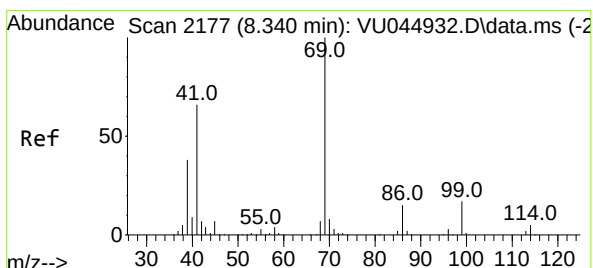
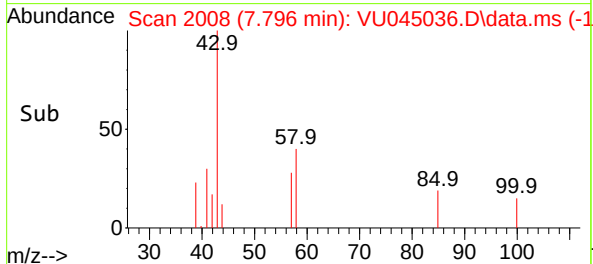
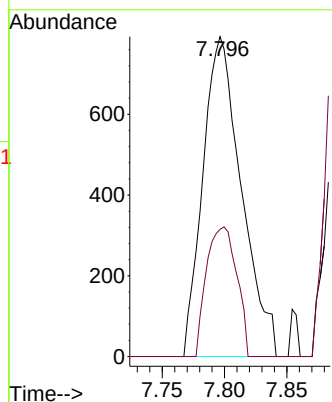
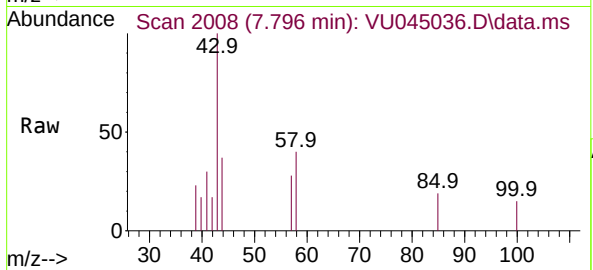




#51
4-Methyl-2-Pentanone
Concen: 0.311 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.003 min
Lab File: VU045036.D
Acq: 30 Sep 2021 10:53

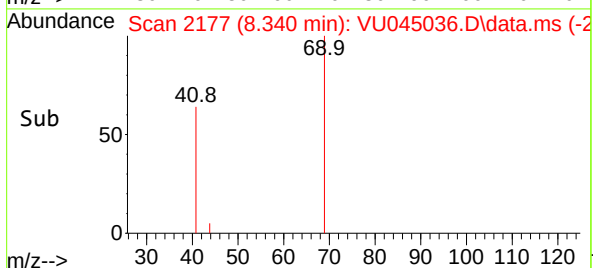
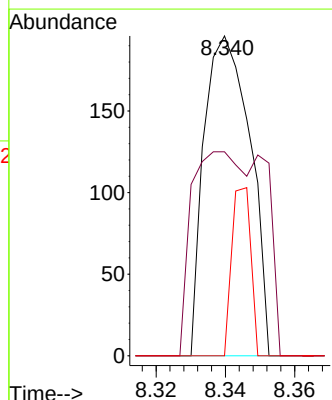
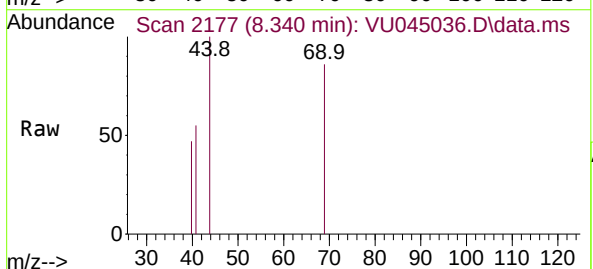
Instrument :
MSVOA_U
ClientSampleId :

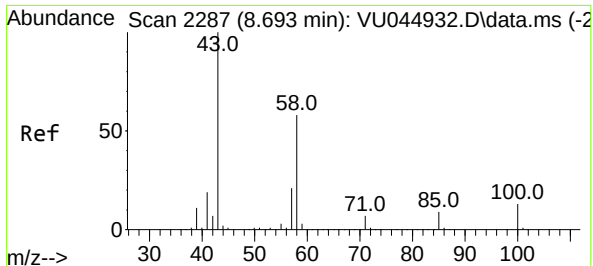
Tgt Ion: 43 Resp: 1700
Ion Ratio Lower Upper
43 100
58 31.8 32.4 48.6#



#56
Ethyl methacrylate
Concen: 1.851 ug/l
RT: 8.340 min Scan# 2177
Delta R.T. -0.000 min
Lab File: VU045036.D
Acq: 30 Sep 2021 10:53

Tgt Ion: 69 Resp: 180
Ion Ratio Lower Upper
69 100
41 101.1 53.5 80.3#
39 21.7 31.1 46.7#





#59

2-Hexanone

Concen: 0.590 ug/l

RT: 8.690 min Scan# 2286

Delta R.T. -0.003 min

Lab File: VU045036.D

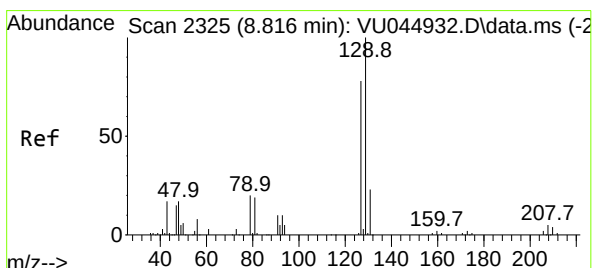
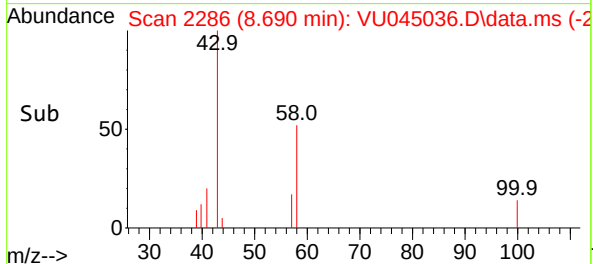
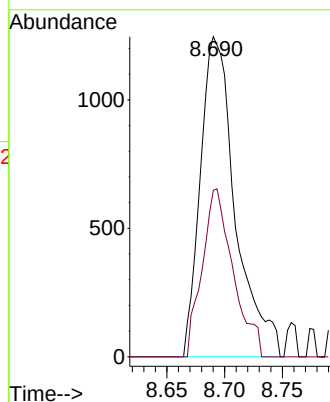
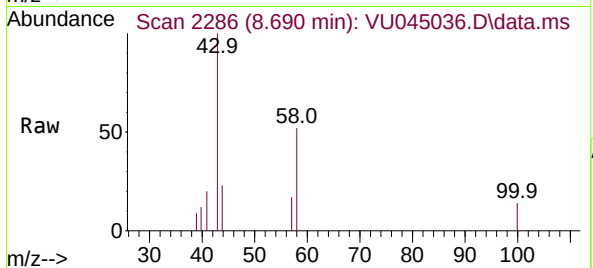
Acq: 30 Sep 2021 10:53

Tgt Ion: 43 Resp: 2626

Ion Ratio Lower Upper

43 100

58 46.3 28.0 84.0



#60

Dibromochloromethane

Concen: 2.190 ug/l

RT: 8.558 min Scan# 2245

Delta R.T. -0.258 min

Lab File: VU045036.D

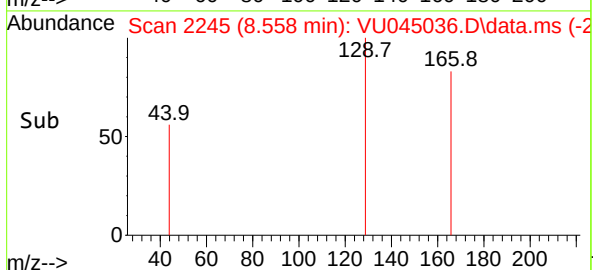
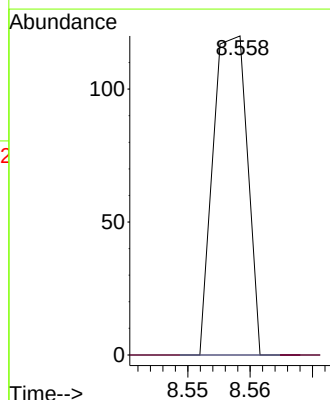
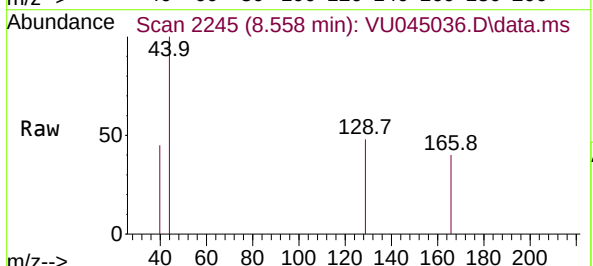
Acq: 30 Sep 2021 10:53

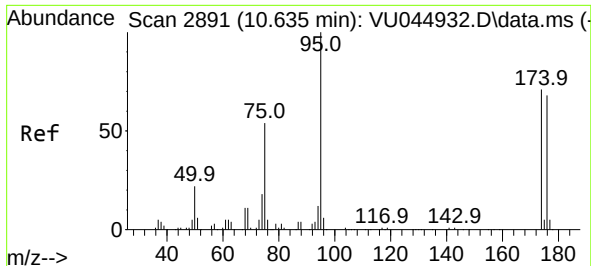
Tgt Ion: 129 Resp: 46

Ion Ratio Lower Upper

129 100

127 0.0 39.0 117.0#

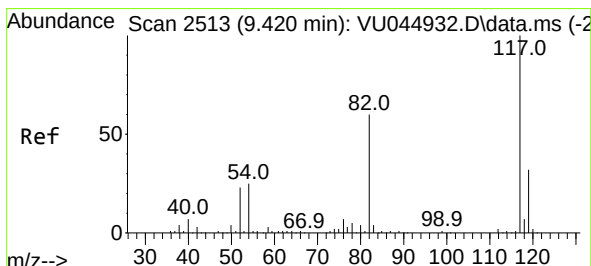
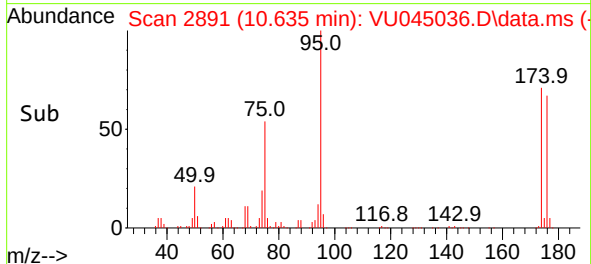
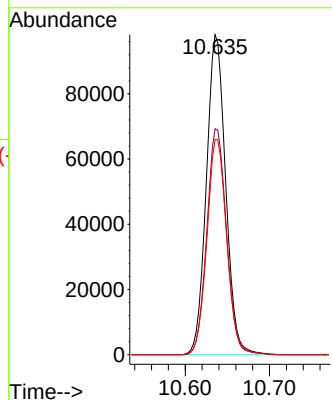
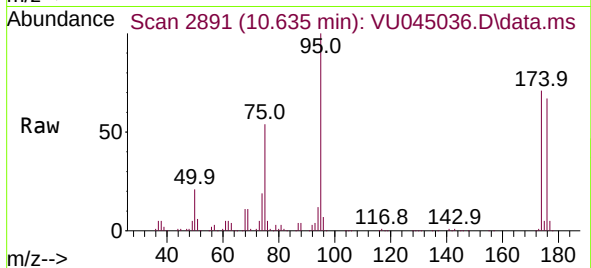




#62
4-Bromofluorobenzene
Concen: 42.118 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.000 min
Lab File: VU045036.D
Acq: 30 Sep 2021 10:53

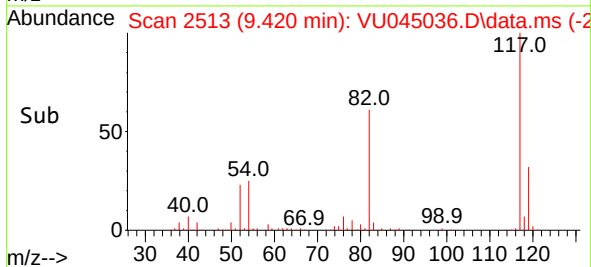
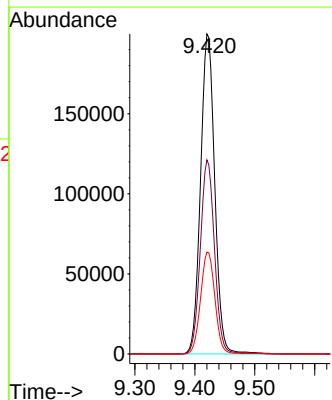
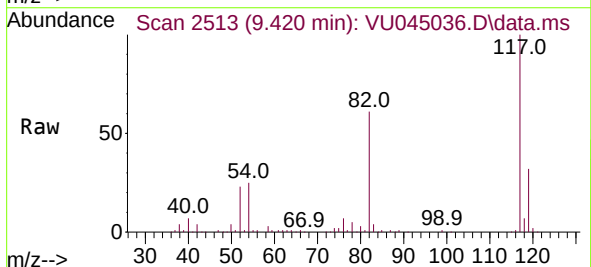
Instrument :
MSVOA_U
ClientSampled :

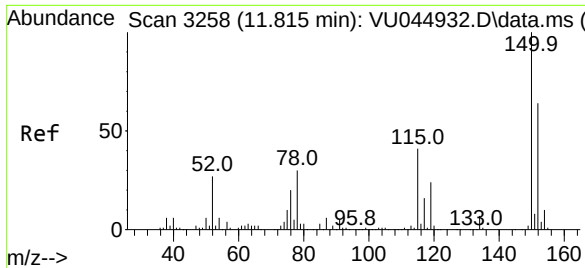
Tgt Ion: 95 Resp: 156281
Ion Ratio Lower Upper
95 100
174 72.0 0.0 146.6
176 69.1 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045036.D
Acq: 30 Sep 2021 10:53

Tgt Ion: 117 Resp: 330196
Ion Ratio Lower Upper
117 100
82 60.6 47.8 71.8
119 31.8 25.8 38.6

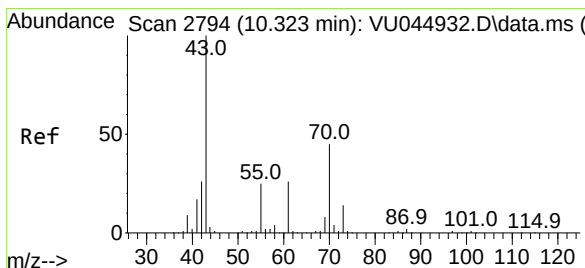
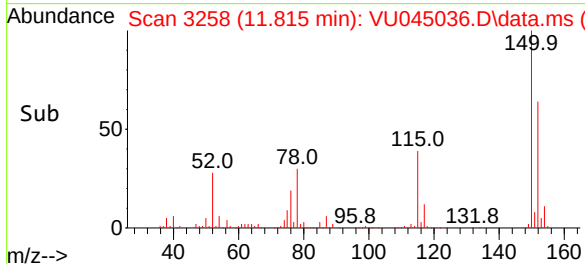
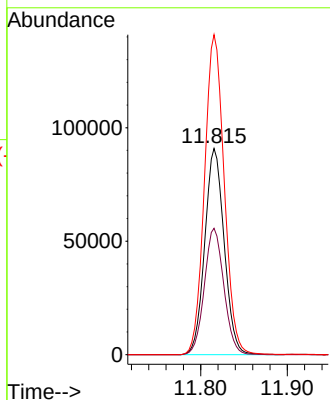
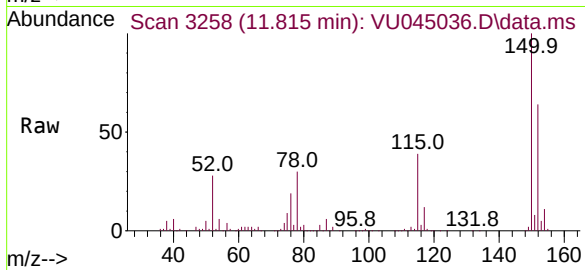




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.815 min Scan# 3258
 Delta R.T. 0.000 min
 Lab File: VU045036.D
 Acq: 30 Sep 2021 10:53

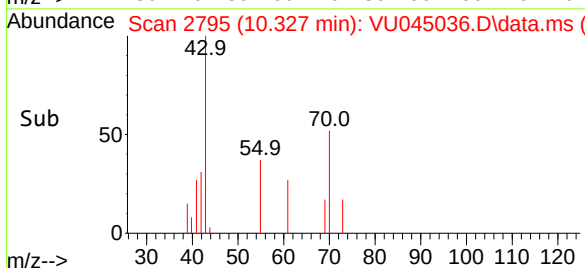
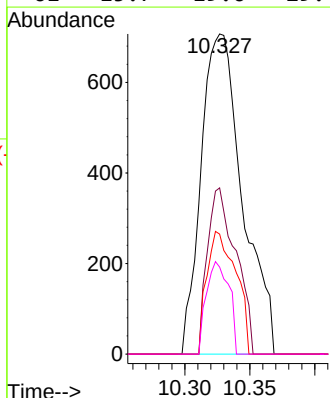
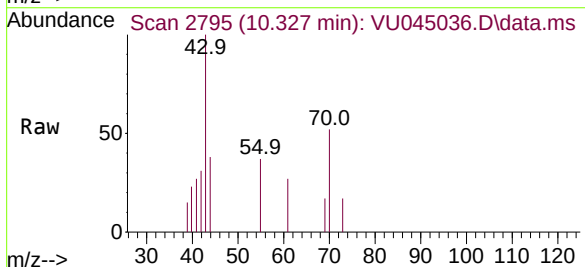
Instrument :
 MSVOA_U
 ClientSampled :

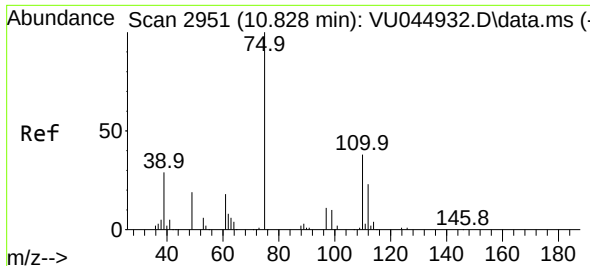
Tgt Ion:152 Resp: 141651
 Ion Ratio Lower Upper
 152 100
 115 61.6 43.5 130.7
 150 157.4 0.0 350.0



#74
 N-ethyl acetate
 Concen: 0.295 ug/l
 RT: 10.327 min Scan# 2795
 Delta R.T. 0.004 min
 Lab File: VU045036.D
 Acq: 30 Sep 2021 10:53

Tgt Ion: 43 Resp: 1565
 Ion Ratio Lower Upper
 43 100
 70 35.7 35.1 52.7
 55 26.9 20.5 30.7
 61 15.7 19.6 29.4#

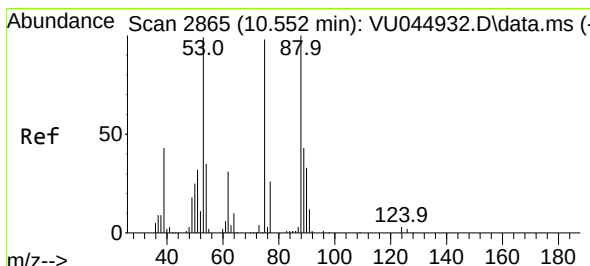
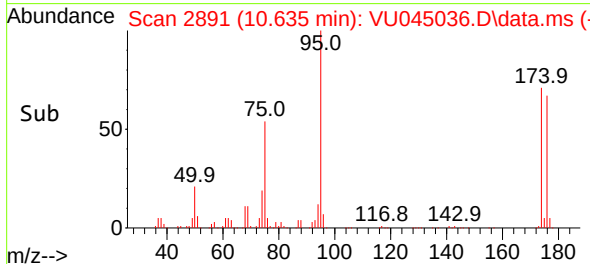
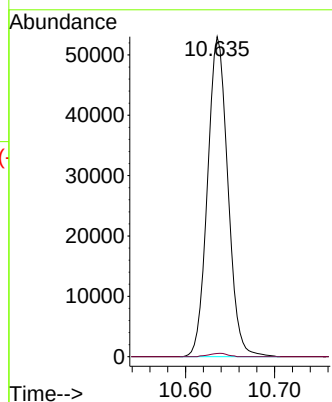
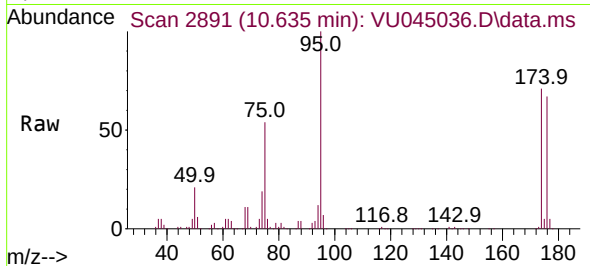




#76
1,2,3-Trichloropropane
Concen: 20.341 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU045036.D
Acq: 30 Sep 2021 10:53

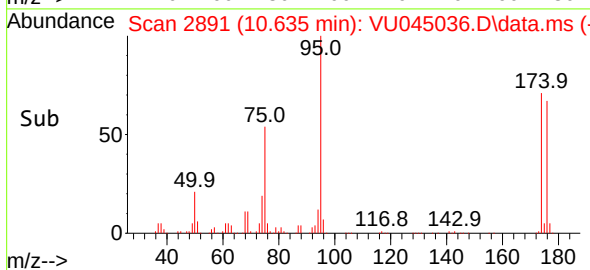
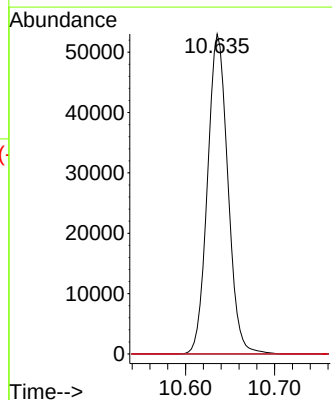
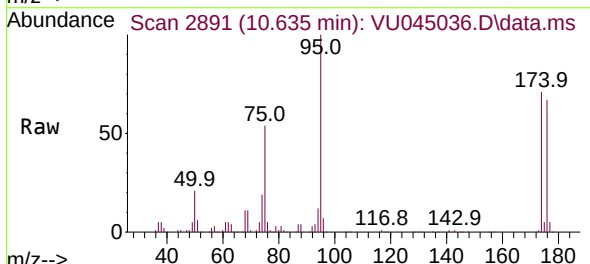
Instrument :
MSVOA_U
ClientSampled :

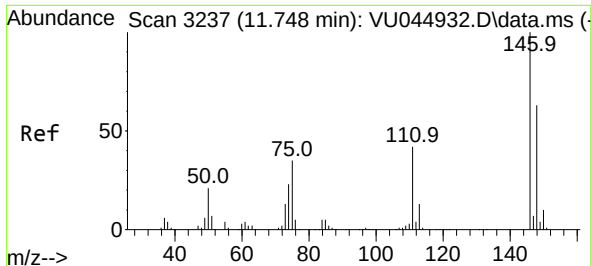
Tgt Ion: 75 Resp: 84041
Ion Ratio Lower Upper
75 100
77 1.0 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.448 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.083 min
Lab File: VU045036.D
Acq: 30 Sep 2021 10:53

Tgt Ion: 75 Resp: 84041
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: 0.217 ug/l

RT: 11.751 min Scan# 3238

Delta R.T. 0.003 min

Lab File: VU045036.D

Acq: 30 Sep 2021 10:53

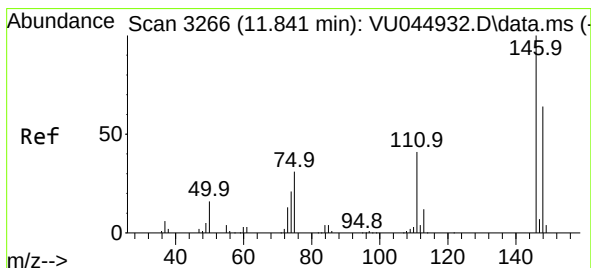
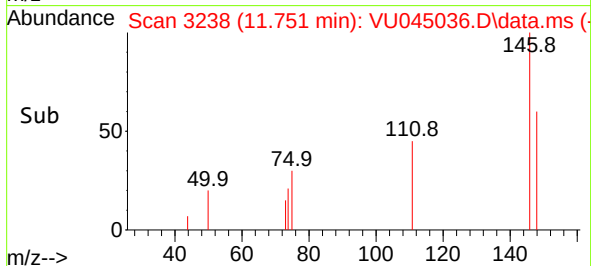
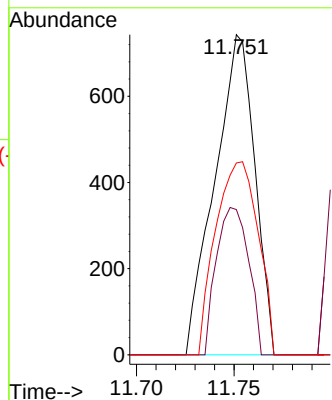
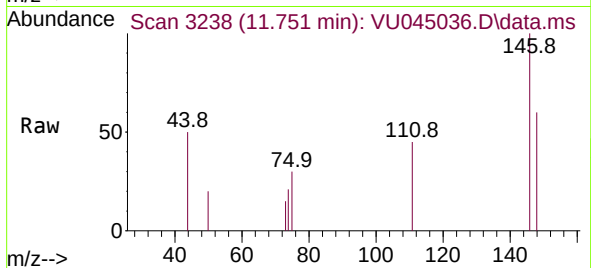
Tgt Ion:146 Resp: 1058

Ion Ratio Lower Upper

146 100

111 37.1 21.2 63.6

148 64.2 32.1 96.3



#88

1,4-Dichlorobenzene

Concen: 0.212 ug/l

RT: 11.751 min Scan# 3238

Delta R.T. -0.090 min

Lab File: VU045036.D

Acq: 30 Sep 2021 10:53

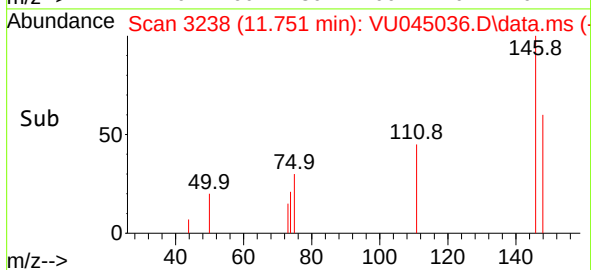
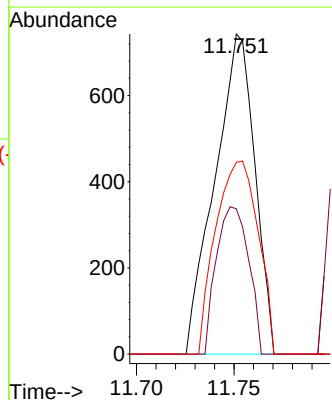
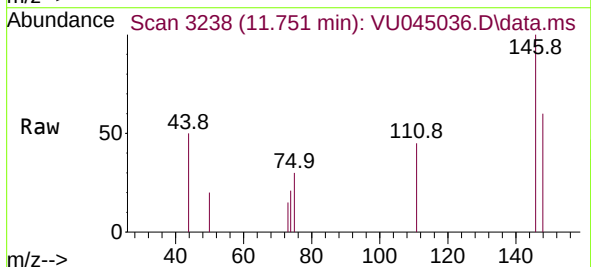
Tgt Ion:146 Resp: 1058

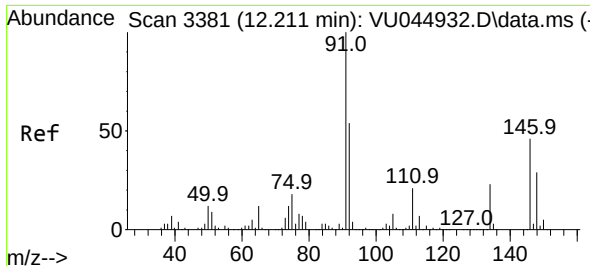
Ion Ratio Lower Upper

146 100

111 37.1 20.3 61.0

148 64.2 31.8 95.3

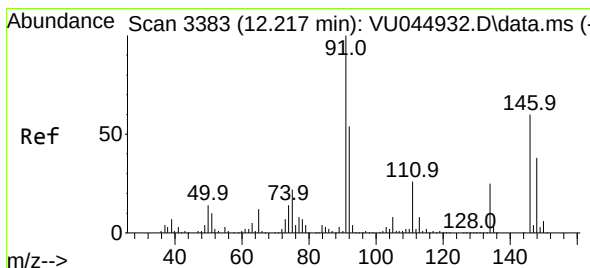
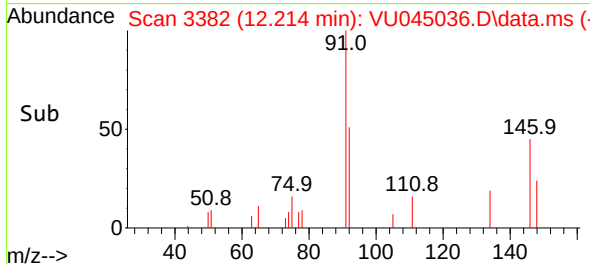
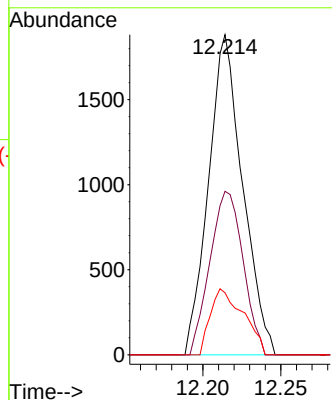
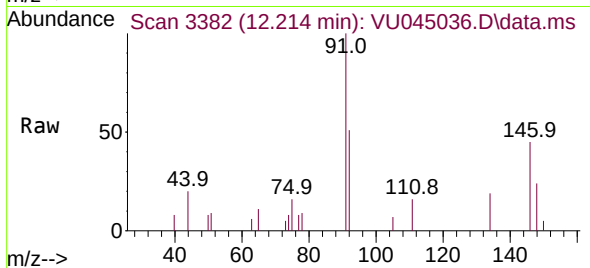




#89
n-Butylbenzene
Concen: 0.334 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. 0.003 min
Lab File: VU045036.D
Acq: 30 Sep 2021 10:53

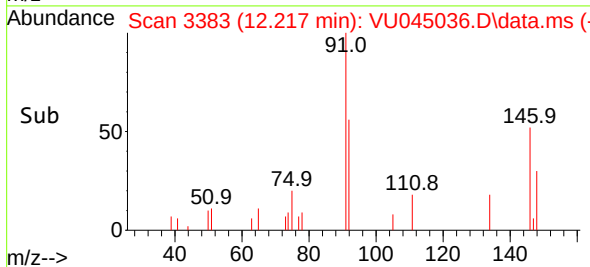
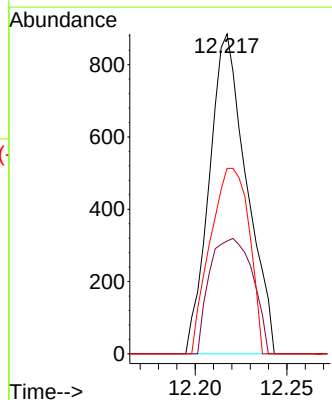
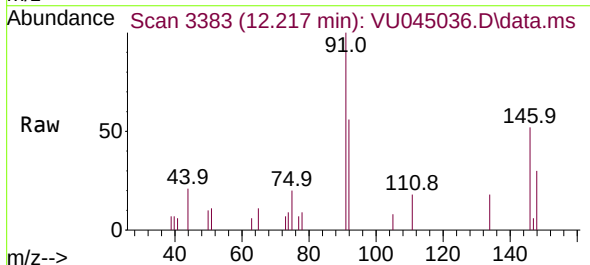
Instrument :
MSVOA_U
ClientSampled :

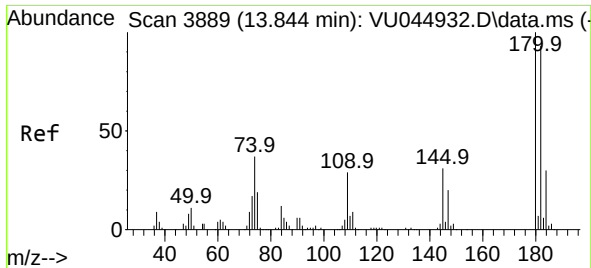
Tgt Ion: 91 Resp: 2861
Ion Ratio Lower Upper
91 100
92 49.6 26.8 80.4
134 19.9 11.8 35.4



#91
1,2-Dichlorobenzene
Concen: 0.250 ug/l
RT: 12.217 min Scan# 3383
Delta R.T. 0.000 min
Lab File: VU045036.D
Acq: 30 Sep 2021 10:53

Tgt Ion: 146 Resp: 1248
Ion Ratio Lower Upper
146 100
111 41.7 21.4 64.3
148 60.6 31.8 95.3

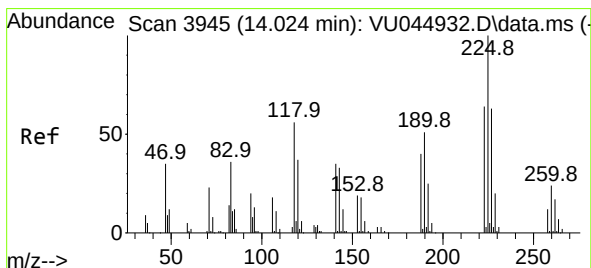
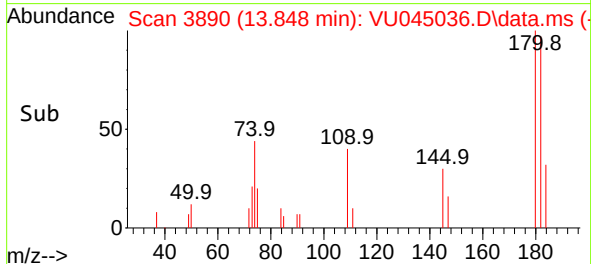
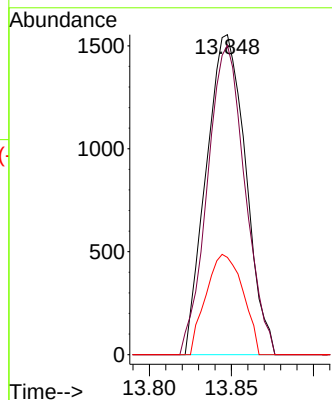
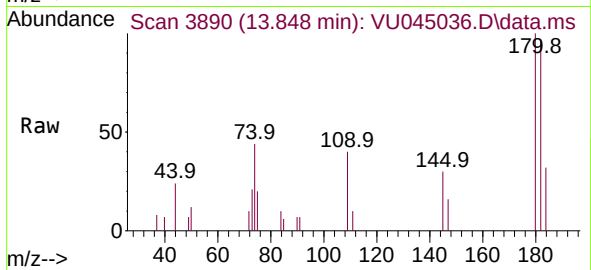




#93
1,2,4-Trichlorobenzene
Concen: 0.930 ug/l
RT: 13.848 min Scan# 3890
Delta R.T. 0.004 min
Lab File: VU045036.D
Acq: 30 Sep 2021 10:53

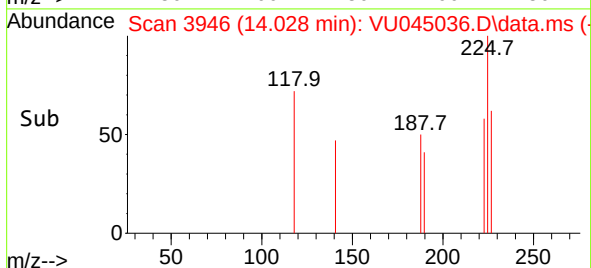
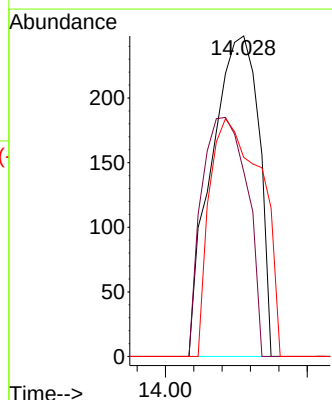
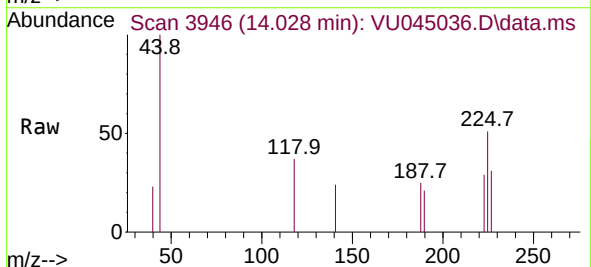
Instrument :
MSVOA_U
ClientSampled :

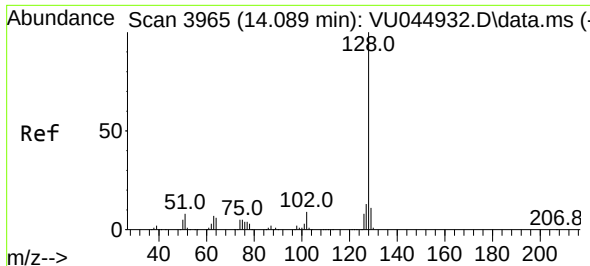
Tgt Ion:180 Resp: 2585
Ion Ratio Lower Upper
180 100
182 92.3 47.4 142.3
145 29.4 15.4 46.2



#94
Hexachlorobutadiene
Concen: 0.247 ug/l
RT: 14.028 min Scan# 3946
Delta R.T. 0.004 min
Lab File: VU045036.D
Acq: 30 Sep 2021 10:53

Tgt Ion:225 Resp: 287
Ion Ratio Lower Upper
225 100
223 71.4 31.1 93.3
227 80.8 31.4 94.3

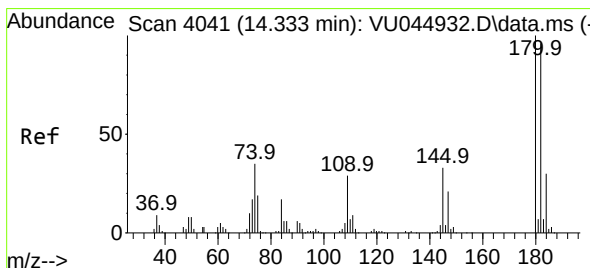
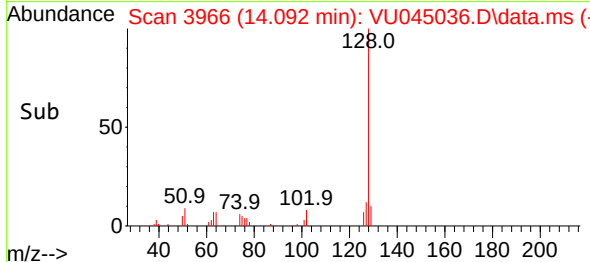
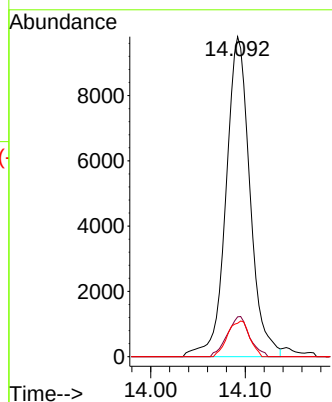
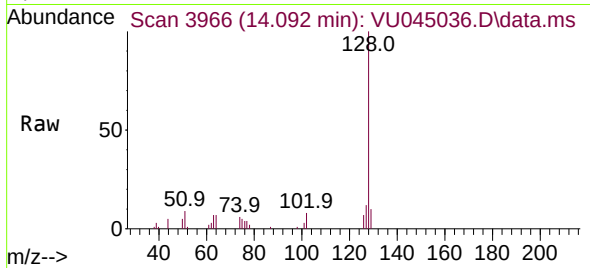




#95
Naphthalene
Concen: 1.650 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU045036.D
Acq: 30 Sep 2021 10:53

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:128	Resp:	17247
Ion Ratio	Lower	Upper
128	100	
127	11.7	10.4 15.6
129	10.2	8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 1.114 ug/l
RT: 14.333 min Scan# 4041
Delta R.T. 0.000 min
Lab File: VU045036.D
Acq: 30 Sep 2021 10:53

Tgt Ion:180	Resp:	3109
Ion Ratio	Lower	Upper
180	100	
182	94.2	47.1 141.4
145	31.6	16.4 49.2

