

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060821\
 Data File : VU044115.D
 Acq On : 08 Jun 2021 16:09
 Operator : SY/MD
 Sample : VU0608WBL02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 08 23:13:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 08 17:38:51 2021
 Response via : Initial Calibration

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

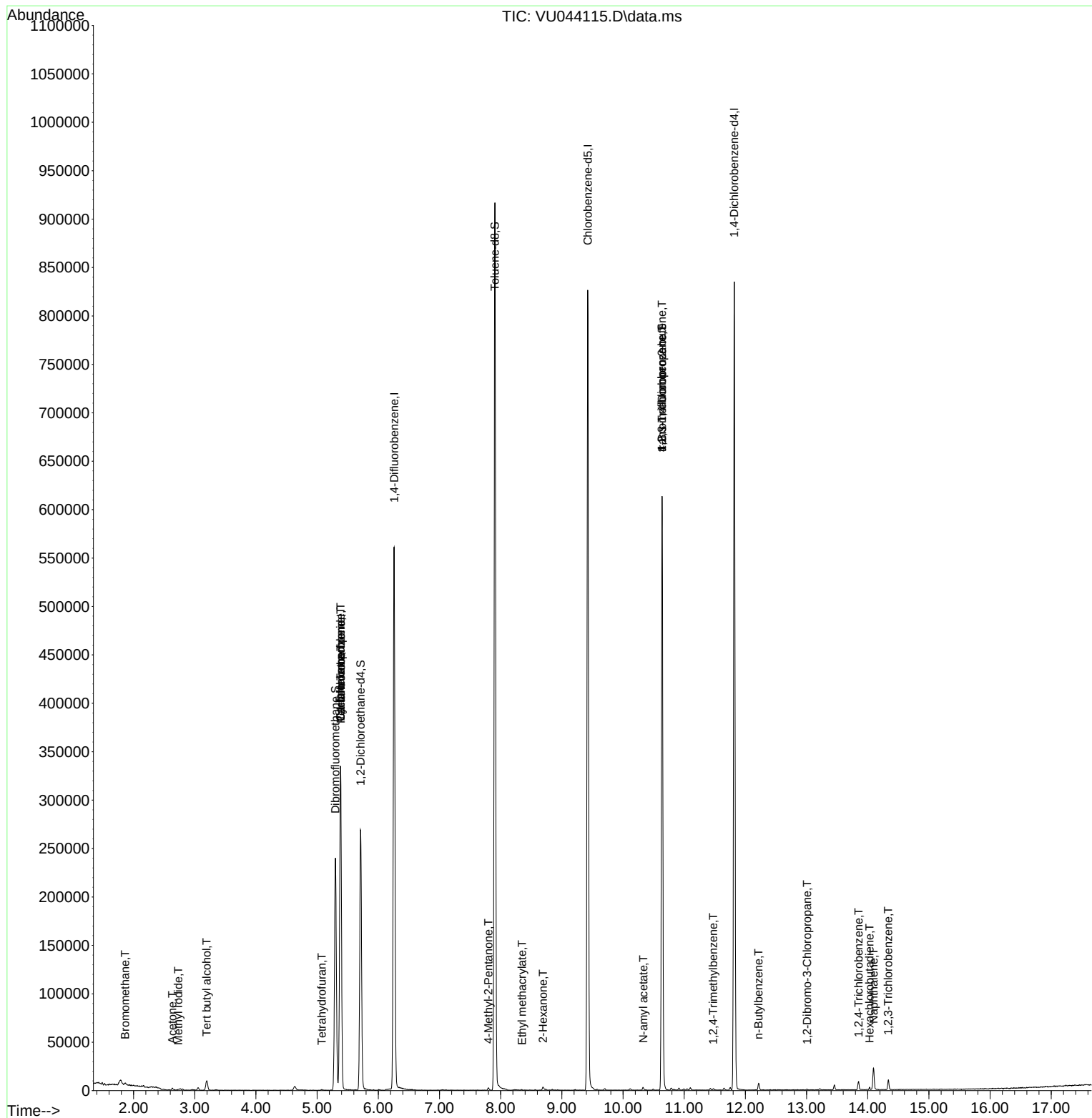
Internal Standards						
1) Pentafluorobenzene	5.385	168	220285	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.260	114	436751	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	439091	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	209946	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	198750	51.806	ug/l	0.00
Spiked Amount	50.000		Recovery	= 103.620%		
35) Dibromofluoromethane	5.298	113	158077	50.719	ug/l	0.00
Spiked Amount	50.000		Recovery	= 101.440%		
50) Toluene-d8	7.906	98	585972	48.742	ug/l	0.00
Spiked Amount	50.000		Recovery	= 97.480%		
62) 4-Bromofluorobenzene	10.639	95	211916	44.523	ug/l	0.00
Spiked Amount	50.000		Recovery	= 89.040%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.527	50	1437	Below Cal		91
5) Bromomethane	1.861	94	981	0.580	ug/l	83
10) Methyl Iodide	2.732	142	921	0.279	ug/l #	88
11) Tert butyl alcohol	3.195	59	6179	6.497	ug/l #	72
16) Acetone	2.633	43	1925	0.869	ug/l	88
20) Methylene Chloride	3.057	84	1266	Below Cal	#	92
29) Tetrahydrofuran	5.076	42	432	0.246	ug/l #	65
31) Cyclohexane	5.382	56	5094	0.962	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	19399	3.942	ug/l #	51
38) Carbon Tetrachloride	5.382	117	23710	5.333	ug/l #	18
51) 4-Methyl-2-Pentanone	7.800	43	1815	0.279	ug/l	87
56) Ethyl methacrylate	8.349	69	291	3.427	ug/l #	80
59) 2-Hexanone	8.690	43	2788	0.551	ug/l	94
74) N-amyl acetate	10.330	43	1779	0.275	ug/l #	90
76) 1,2,3-Trichloropropane	10.639	75	107768	18.349	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.639	75	107768	53.580	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.475	105	1162	1.033	ug/l	94
89) n-Butylbenzene	12.214	91	2795	0.214	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	13.008	75	346	0.246	ug/l	74
93) 1,2,4-Trichlorobenzene	13.851	180	2969	0.753	ug/l	90
94) Hexachlorobutadiene	14.028	225	522	0.232	ug/l	95
95) Naphthalene	14.095	128	19818	4.151	ug/l	97
96) 1,2,3-Trichlorobenzene	14.336	180	3626	0.954	ug/l	95

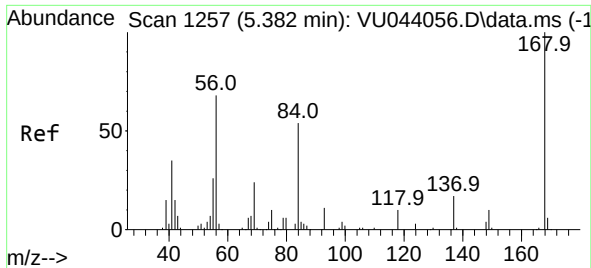
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060821\
Data File : VU044115.D
Acq On : 08 Jun 2021 16:09
Operator : SY/MD
Sample : VU0608WBL02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jun 08 23:13:45 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060721W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 08 17:38:51 2021
Response via : Initial Calibration

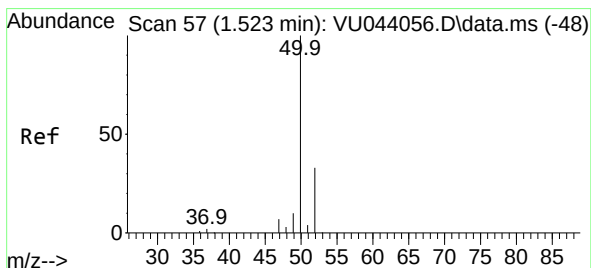
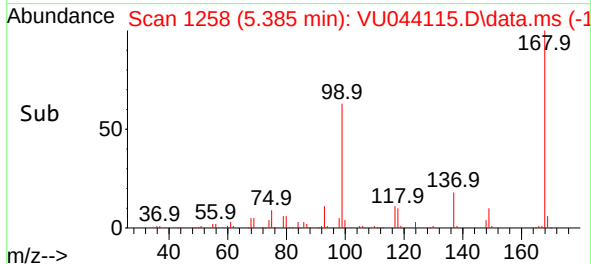
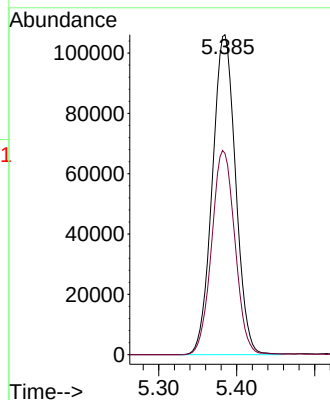
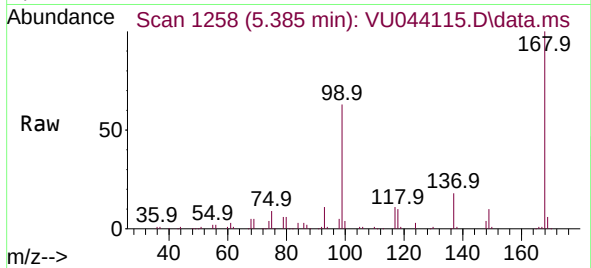




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. 0.003 min
Lab File: VU044115.D
Acq: 08 Jun 2021 16:09

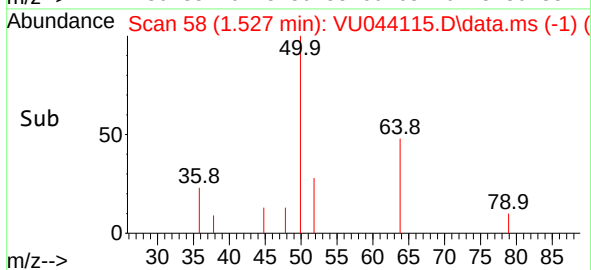
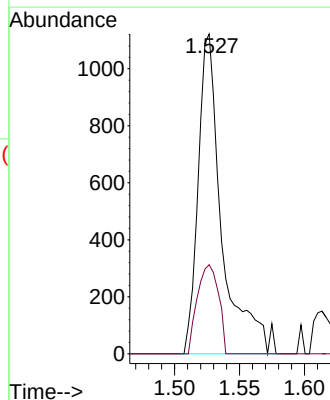
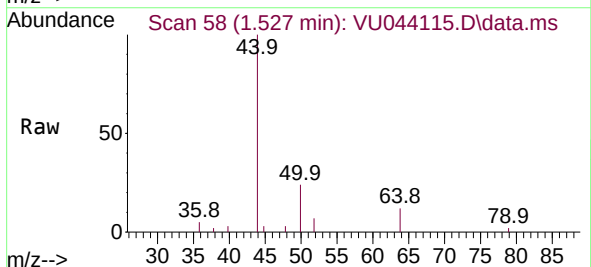
Instrument :
MSVOA_U
ClientSampleId :

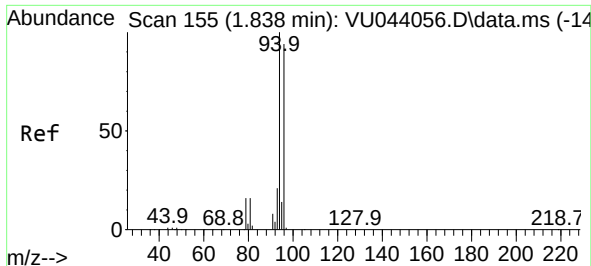
Tgt Ion:168 Resp: 220285
Ion Ratio Lower Upper
168 100
99 62.9 52.6 78.8



#3
Chloromethane
Concen: Below Cal
RT: 1.527 min Scan# 58
Delta R.T. 0.004 min
Lab File: VU044115.D
Acq: 08 Jun 2021 16:09

Tgt Ion: 50 Resp: 1437
Ion Ratio Lower Upper
50 100
52 27.9 26.2 39.2

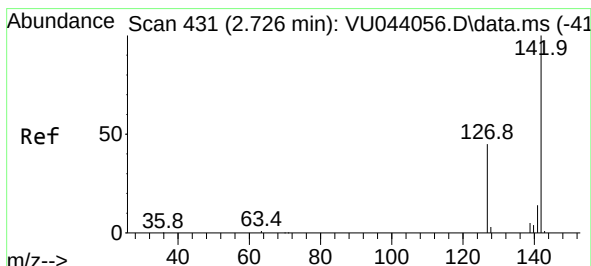
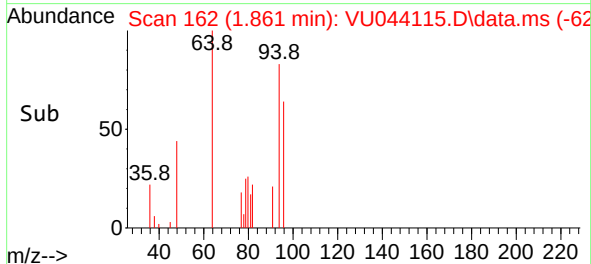
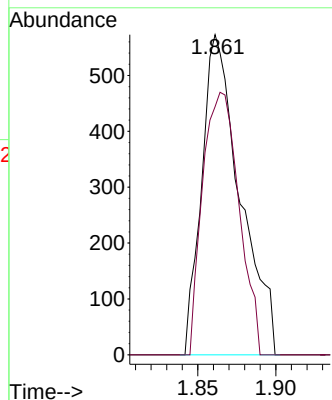
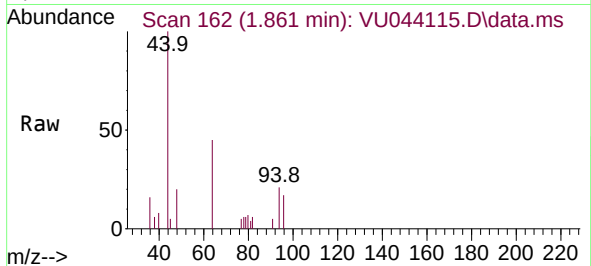




#5
Bromomethane
Concen: 0.580 ug/l
RT: 1.861 min Scan# 162
Delta R.T. 0.023 min
Lab File: VU044115.D
Acq: 08 Jun 2021 16:09

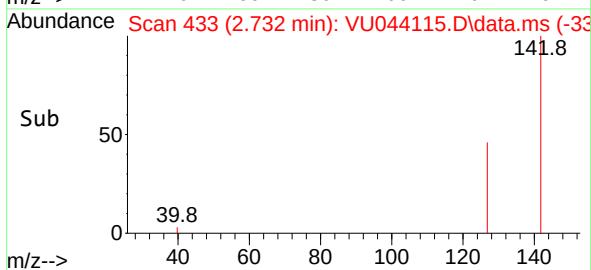
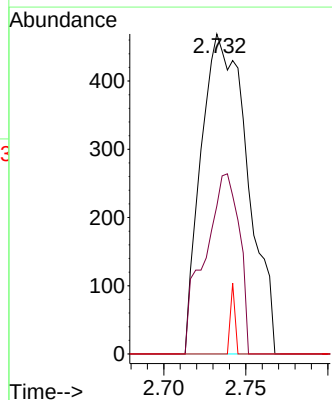
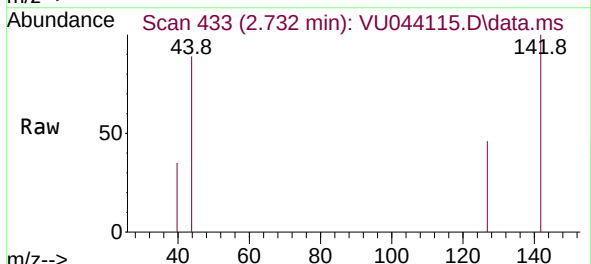
Instrument :
MSVOA_U
ClientSampled :

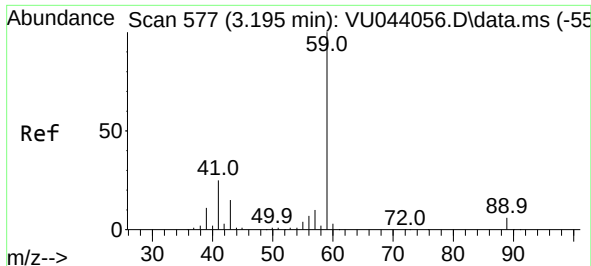
Tgt Ion: 94 Resp: 981
Ion Ratio Lower Upper
94 100
96 77.5 74.8 112.2



#10
Methyl Iodide
Concen: 0.279 ug/l
RT: 2.732 min Scan# 433
Delta R.T. 0.006 min
Lab File: VU044115.D
Acq: 08 Jun 2021 16:09

Tgt Ion:142 Resp: 921
Ion Ratio Lower Upper
142 100
127 41.8 37.0 55.4
141 2.2 11.5 17.3#



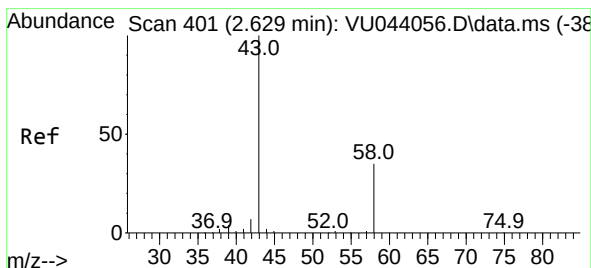
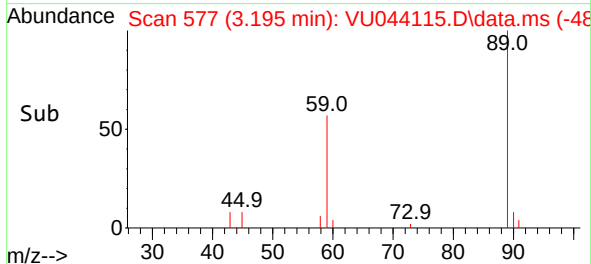
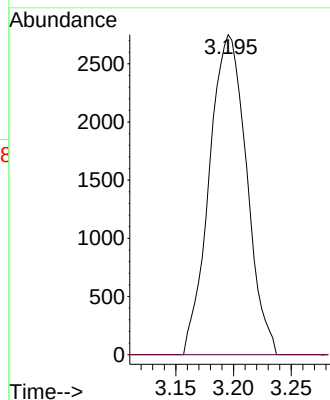
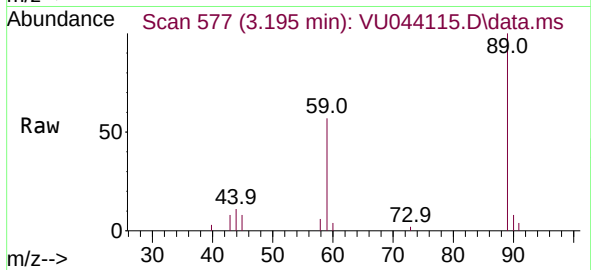


#11

Tert butyl alcohol
Concen: 6.497 ug/l
RT: 3.195 min Scan# 577
Delta R.T. 0.000 min
Lab File: VU044115.D
Acq: 08 Jun 2021 16:09

Instrument :
MSVOA_U
ClientSampleId :

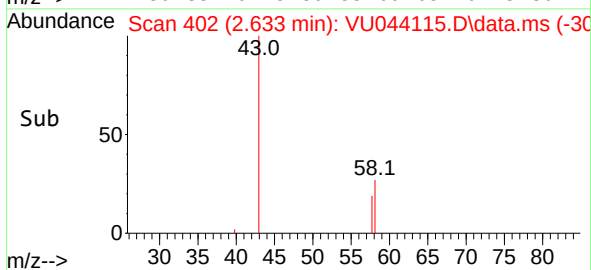
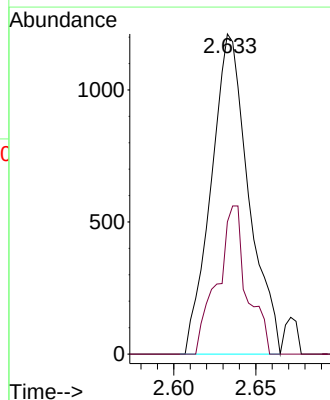
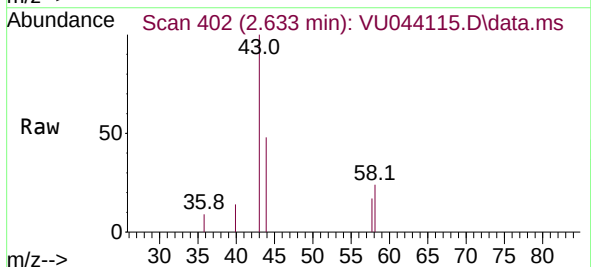
Tgt Ion: 59 Resp: 6179
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

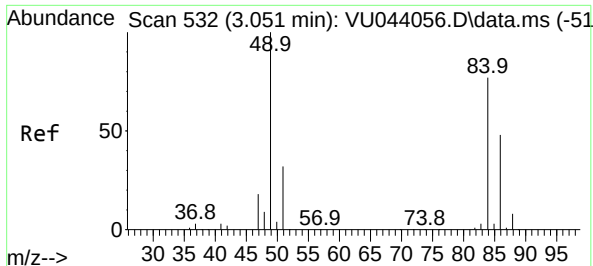


#16

Acetone
Concen: 0.869 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.004 min
Lab File: VU044115.D
Acq: 08 Jun 2021 16:09

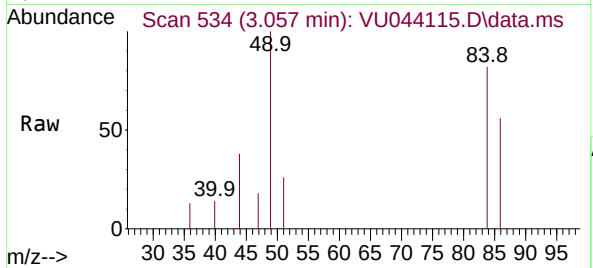
Tgt Ion: 43 Resp: 1925
Ion Ratio Lower Upper
43 100
58 41.3 27.7 41.5



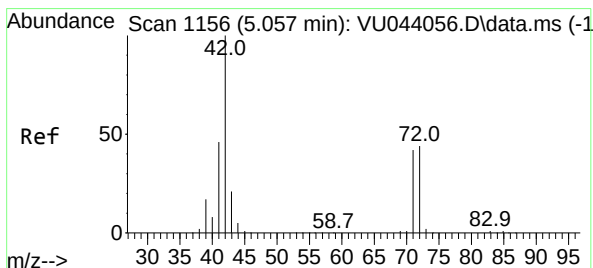
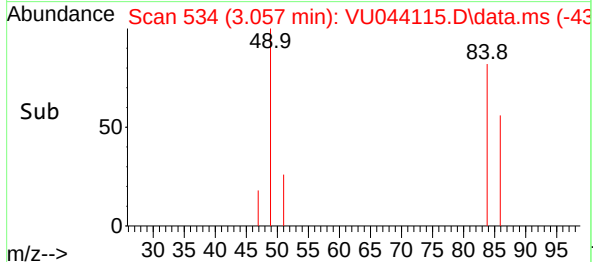
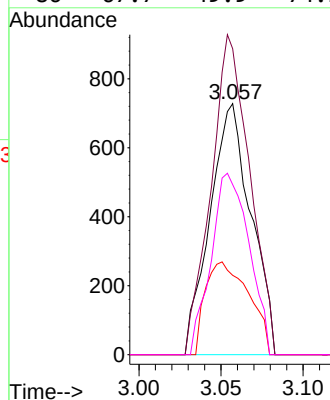


#20
Methylene Chloride
Concen: Below Cal
RT: 3.057 min Scan# 534
Delta R.T. 0.006 min
Lab File: VU044115.D
Acq: 08 Jun 2021 16:09

Instrument :
MSVOA_U
ClientSampleId :

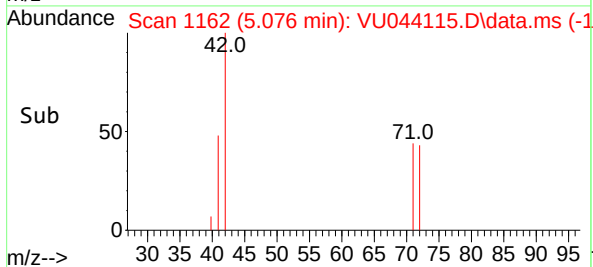
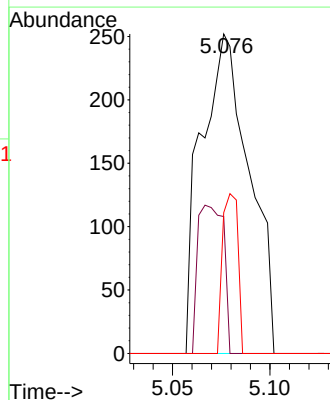
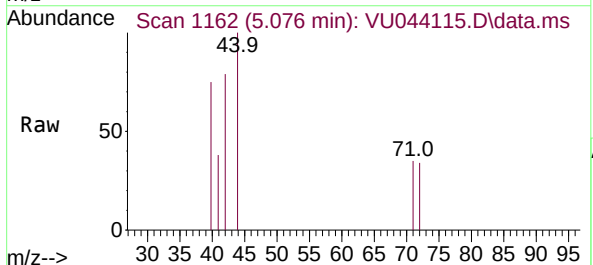


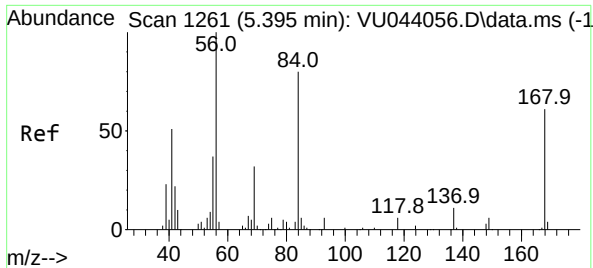
Tgt Ion:	84	Resp:	1266
Ion	Ratio	Lower	Upper
84	100		
49	121.8	103.6	155.4
51	31.6	32.8	49.2#
86	67.7	49.9	74.9



#29
Tetrahydrofuran
Concen: 0.246 ug/l
RT: 5.076 min Scan# 1162
Delta R.T. 0.019 min
Lab File: VU044115.D
Acq: 08 Jun 2021 16:09

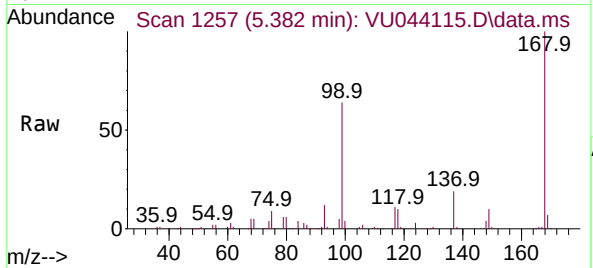
Tgt Ion:	42	Resp:	432
Ion	Ratio	Lower	Upper
42	100		
72	25.0	35.6	53.4#
71	16.0	33.3	49.9#



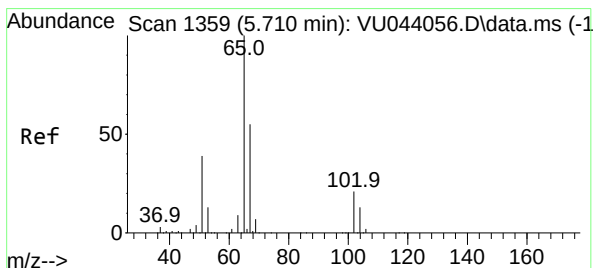
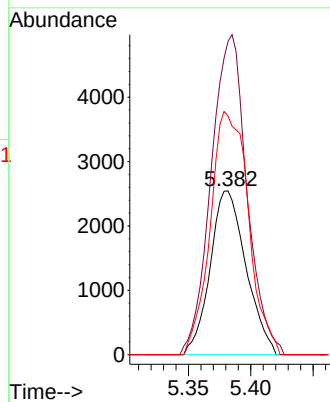
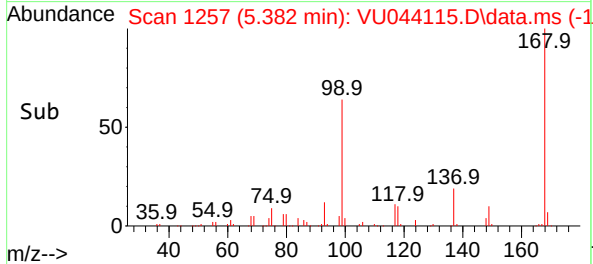


#31
Cyclohexane
Concen: 0.962 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.013 min
Lab File: VU044115.D
Acq: 08 Jun 2021 16:09

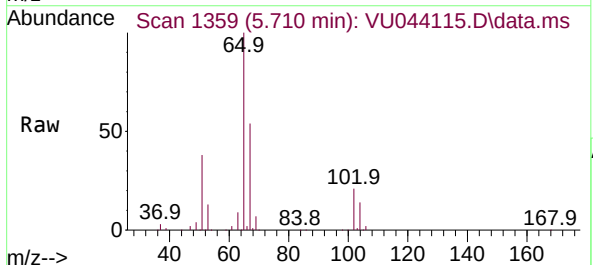
Instrument :
MSVOA_U
ClientSampled :



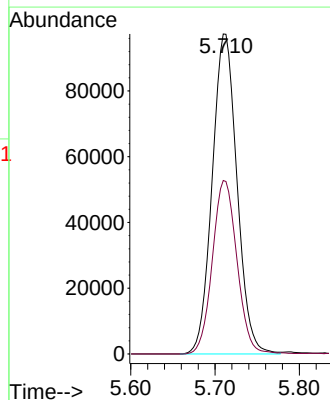
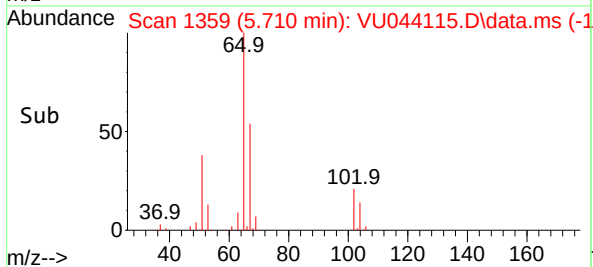
Tgt Ion: 56 Resp: 5094
Ion Ratio Lower Upper
56 100
69 191.2 25.4 38.2#
84 145.7 64.2 96.2#

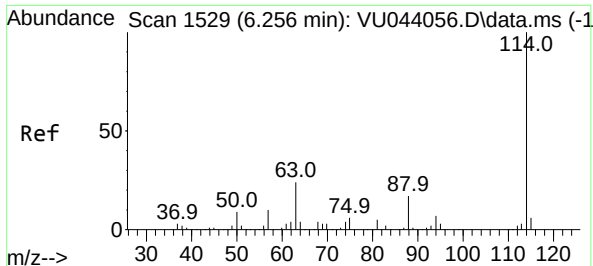


#33
1,2-Dichloroethane-d4
Concen: 51.806 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044115.D
Acq: 08 Jun 2021 16:09



Tgt Ion: 65 Resp: 198750
Ion Ratio Lower Upper
65 100
67 53.8 0.0 109.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.260 min Scan# 1530

Delta R.T. 0.004 min

Lab File: VU044115.D

Acq: 08 Jun 2021 16:09

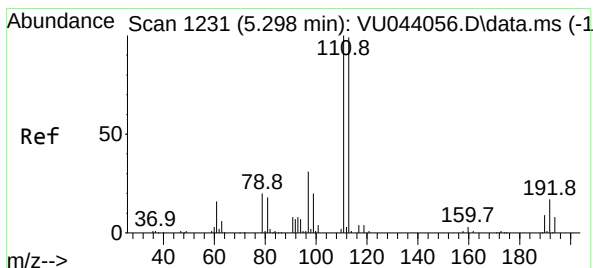
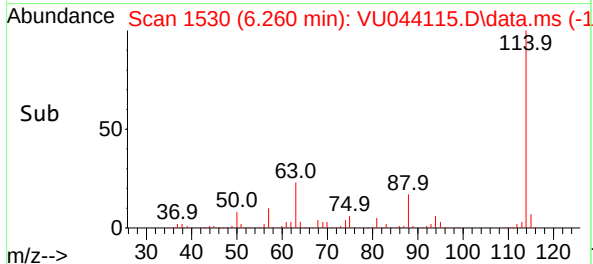
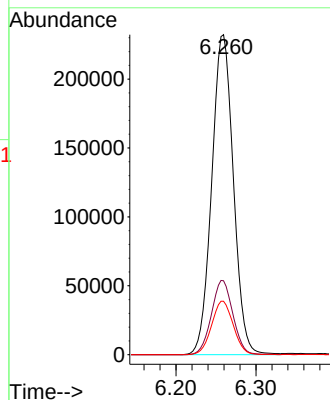
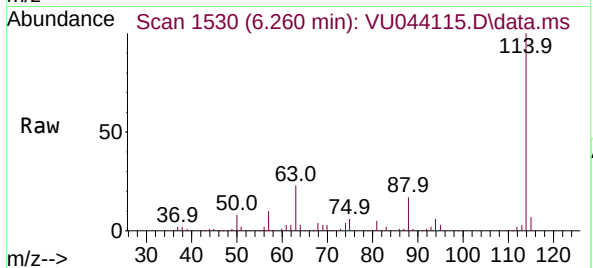
Tgt Ion:114 Resp: 436751

Ion Ratio Lower Upper

114 100

63 23.1 0.0 48.4

88 16.7 0.0 34.4



#35

Dibromofluoromethane

Concen: 50.719 ug/l

RT: 5.298 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VU044115.D

Acq: 08 Jun 2021 16:09

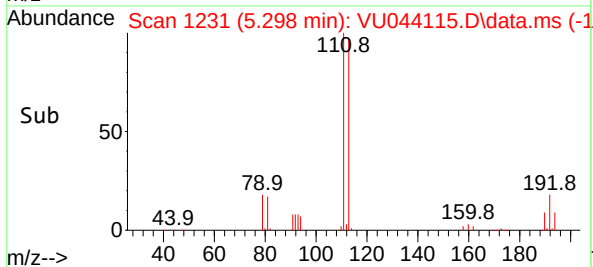
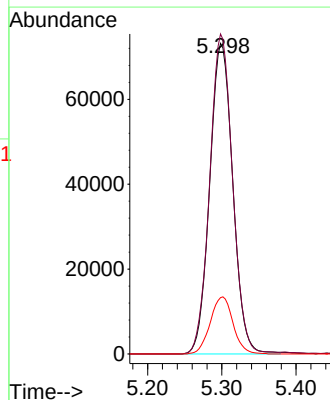
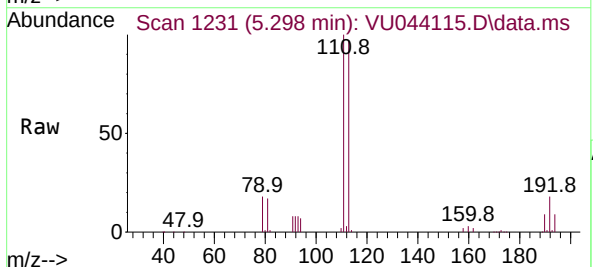
Tgt Ion:113 Resp: 158077

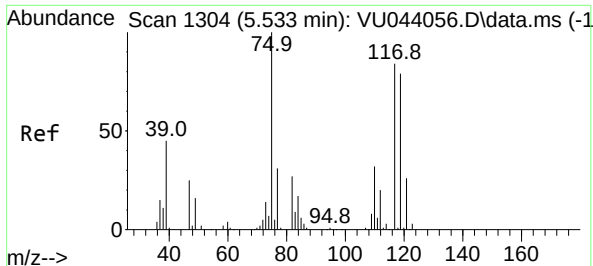
Ion Ratio Lower Upper

113 100

111 102.1 82.1 123.1

192 18.2 13.8 20.8



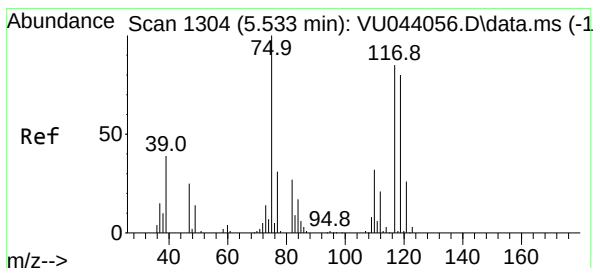
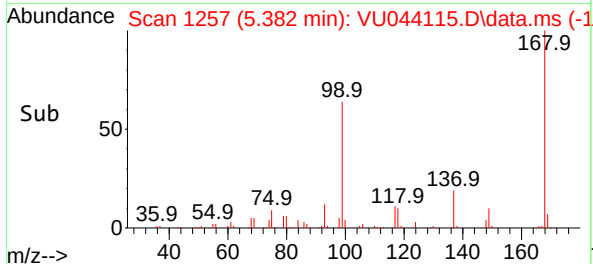
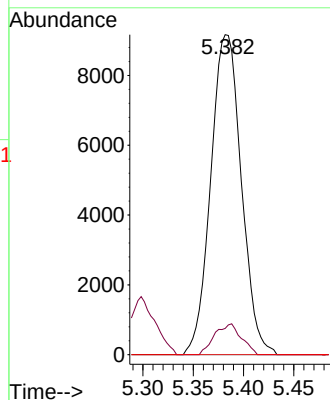
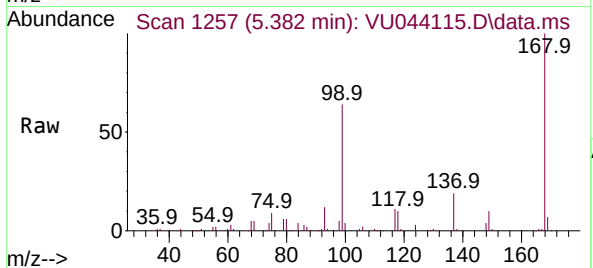


#36

1,1-Dichloropropene
Concen: 3.942 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044115.D
Acq: 08 Jun 2021 16:09

Instrument :
MSVOA_U
ClientSampleId :

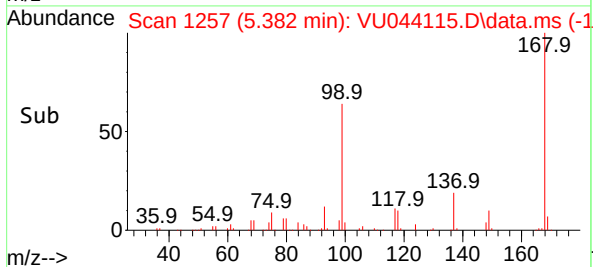
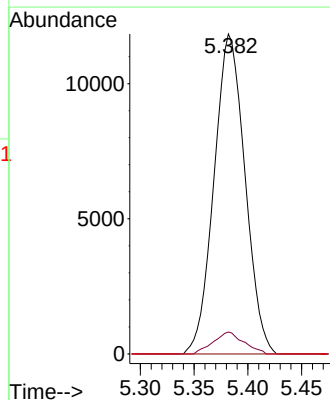
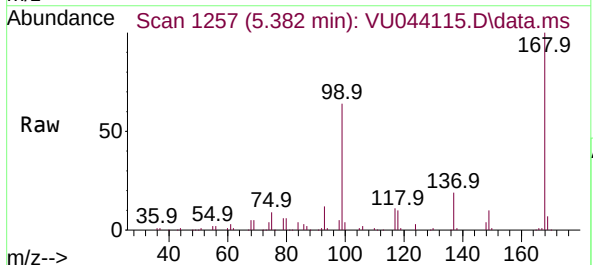
Tgt Ion: 75 Resp: 19399
Ion Ratio Lower Upper
75 100
110 8.4 15.9 47.7#
77 0.0 25.0 37.4#

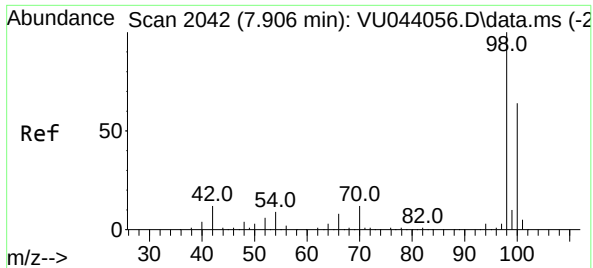


#38

Carbon Tetrachloride
Concen: 5.333 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044115.D
Acq: 08 Jun 2021 16:09

Tgt Ion:117 Resp: 23710
Ion Ratio Lower Upper
117 100
119 6.9 75.4 113.2#
121 0.0 24.5 36.7#

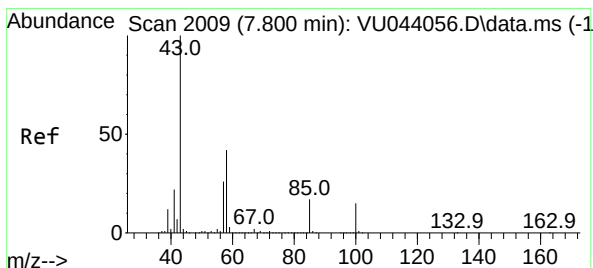
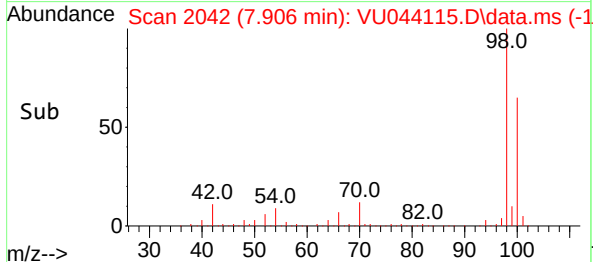
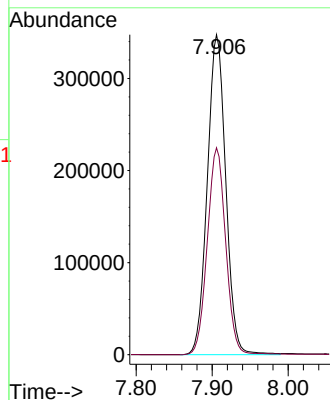
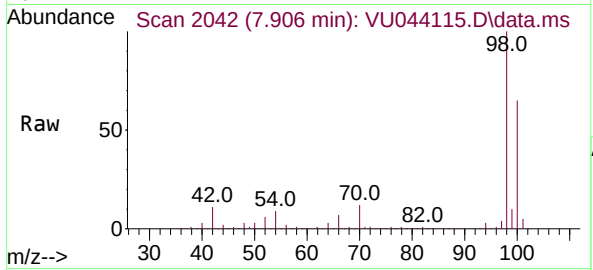




#50
Toluene-d8
Concen: 48.742 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU044115.D
Acq: 08 Jun 2021 16:09

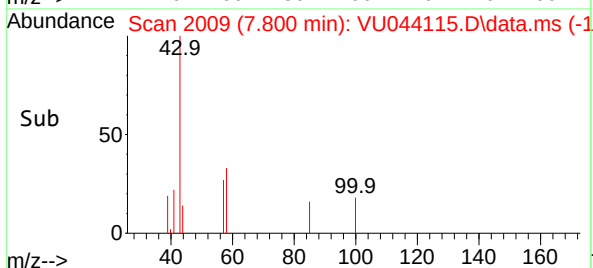
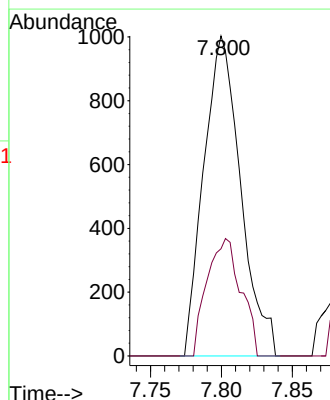
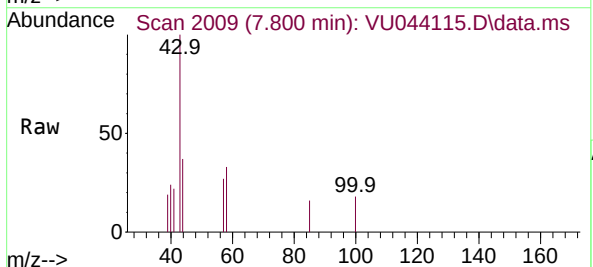
Instrument :
MSVOA_U
ClientSampleId :

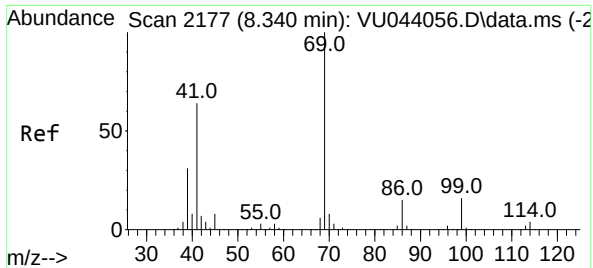
Tgt Ion: 98 Resp: 585972
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 0.279 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU044115.D
Acq: 08 Jun 2021 16:09

Tgt Ion: 43 Resp: 1815
Ion Ratio Lower Upper
43 100
58 33.7 33.3 49.9

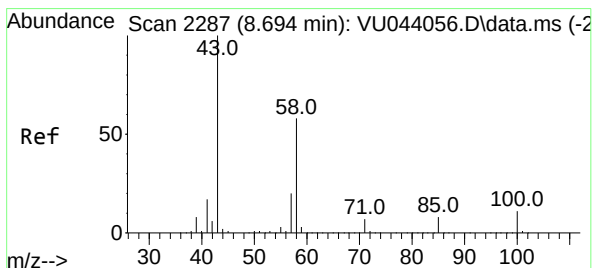
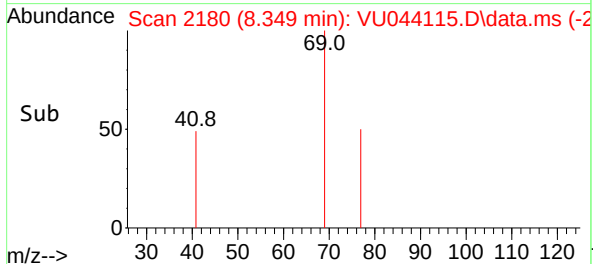
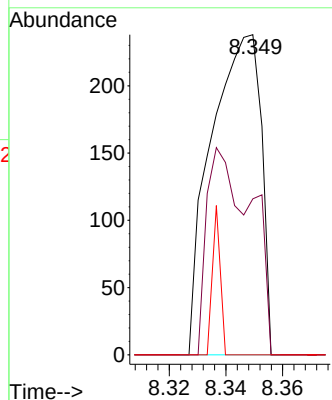
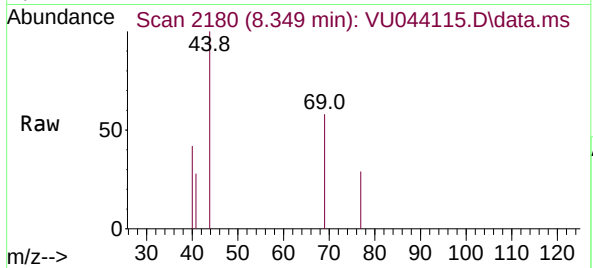




#56
Ethyl methacrylate
Concen: 3.427 ug/l
RT: 8.349 min Scan# 2180
Delta R.T. 0.009 min
Lab File: VU044115.D
Acq: 08 Jun 2021 16:09

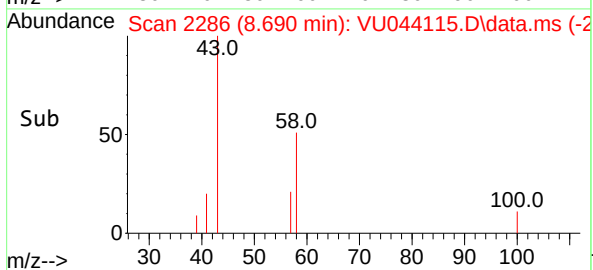
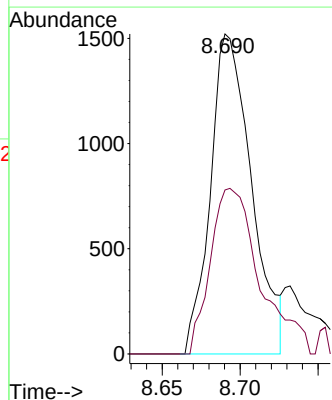
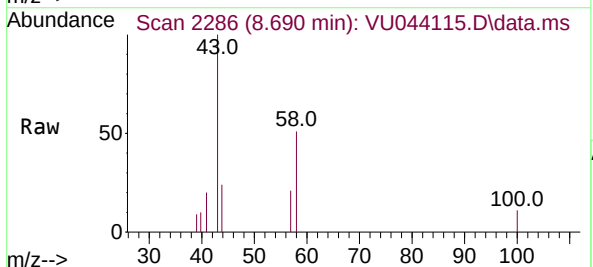
Instrument :
MSVOA_U
ClientSampled :

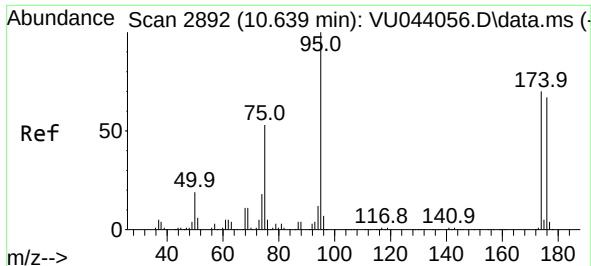
Tgt Ion: 69 Resp: 291
Ion Ratio Lower Upper
69 100
41 57.4 51.4 77.0
39 7.2 24.9 37.3#



#59
2-Hexanone
Concen: 0.551 ug/l
RT: 8.690 min Scan# 2286
Delta R.T. -0.004 min
Lab File: VU044115.D
Acq: 08 Jun 2021 16:09

Tgt Ion: 43 Resp: 2788
Ion Ratio Lower Upper
43 100
58 62.3 29.0 87.1

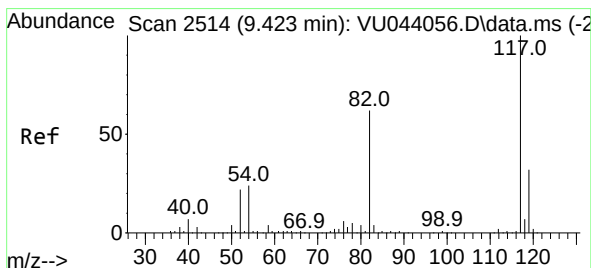
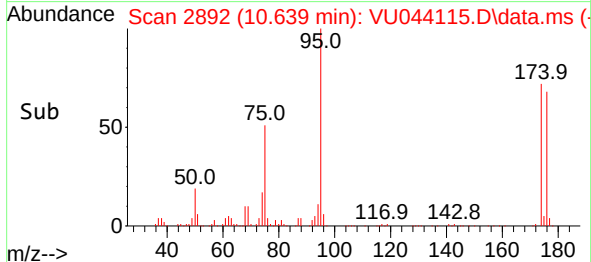
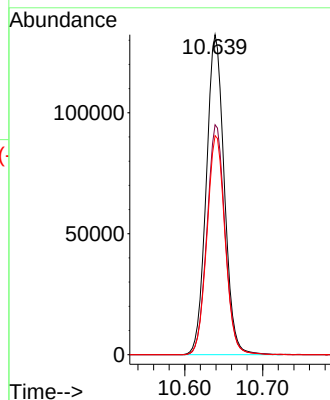
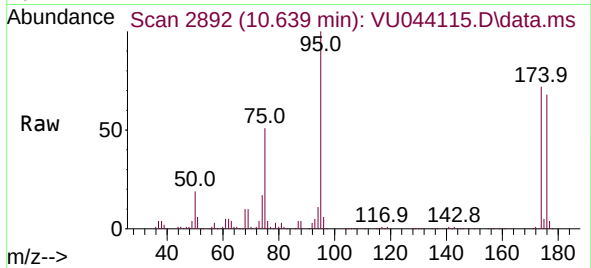




#62
4-Bromofluorobenzene
Concen: 44.523 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044115.D
Acq: 08 Jun 2021 16:09

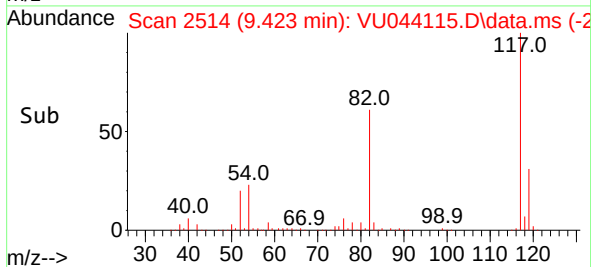
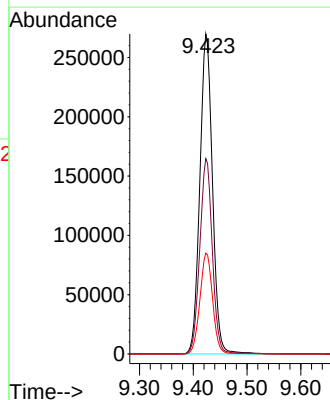
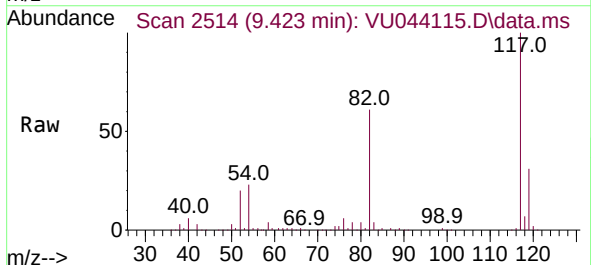
Instrument :
MSVOA_U
ClientSampleId :

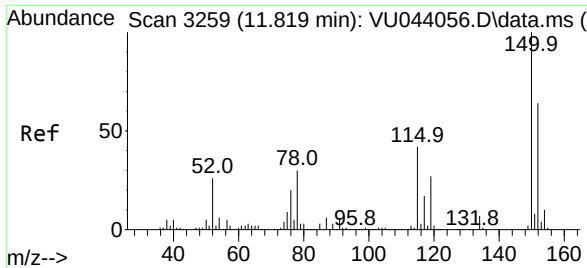
Tgt Ion: 95 Resp: 211916
Ion Ratio Lower Upper
95 100
174 72.3 0.0 141.0
176 69.1 0.0 135.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044115.D
Acq: 08 Jun 2021 16:09

Tgt Ion: 117 Resp: 439091
Ion Ratio Lower Upper
117 100
82 61.1 50.0 75.0
119 31.5 25.9 38.9

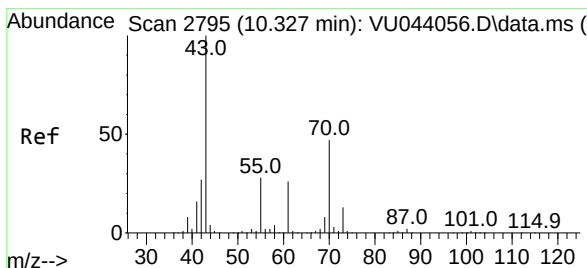
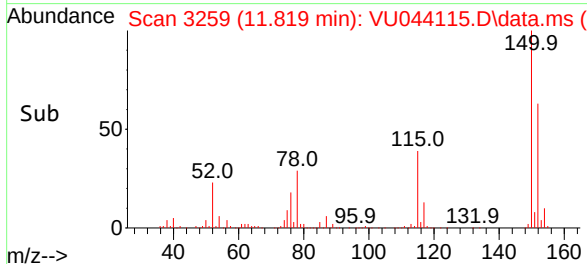
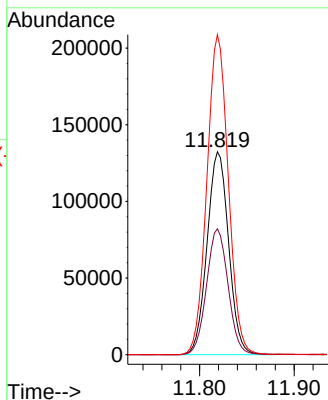
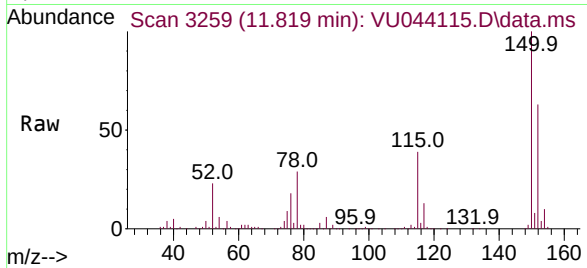




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU044115.D
 Acq: 08 Jun 2021 16:09

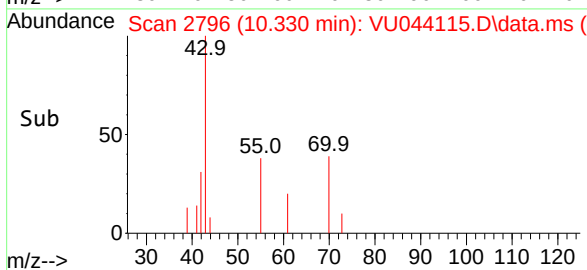
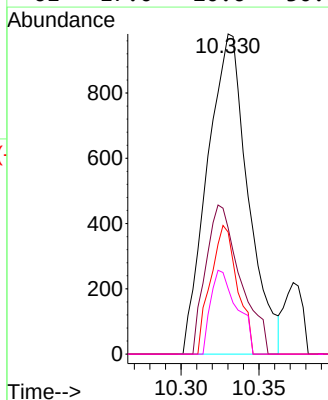
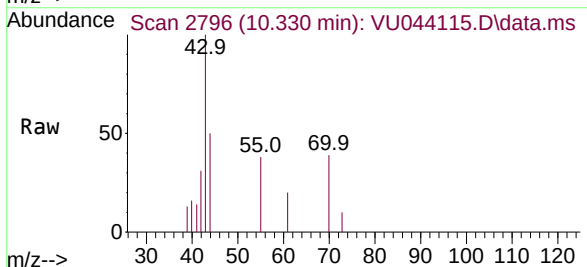
Instrument :
 MSVOA_U
 ClientSampleId :

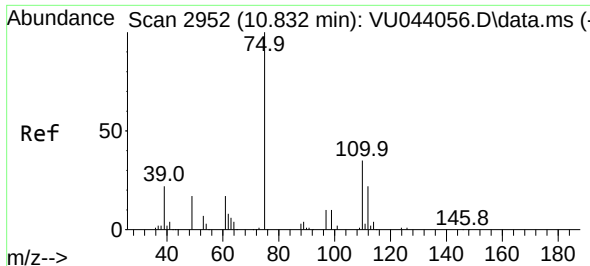
Tgt Ion:152 Resp: 209946
 Ion Ratio Lower Upper
 152 100
 115 61.9 44.6 134.0
 150 156.4 0.0 347.8



#74
 N-ethyl acetate
 Concen: 0.275 ug/l
 RT: 10.330 min Scan# 2796
 Delta R.T. 0.003 min
 Lab File: VU044115.D
 Acq: 08 Jun 2021 16:09

Tgt Ion: 43 Resp: 1779
 Ion Ratio Lower Upper
 43 100
 70 39.6 37.3 55.9
 55 26.5 23.0 34.4
 61 17.0 20.6 30.8#

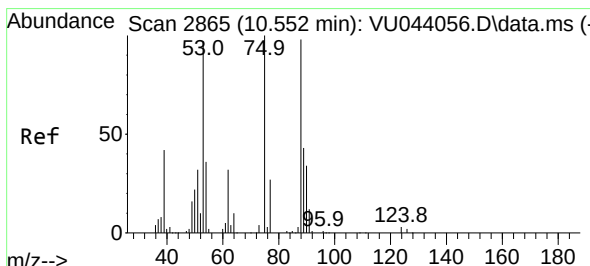
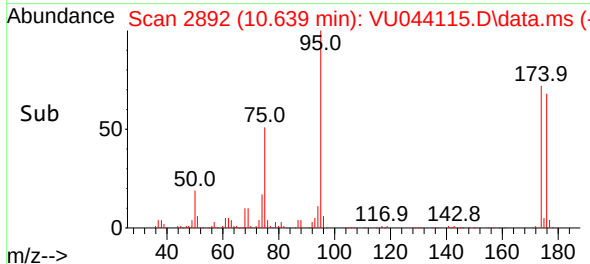
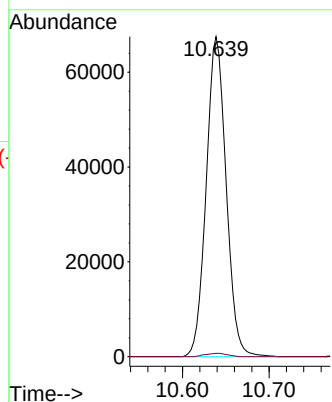
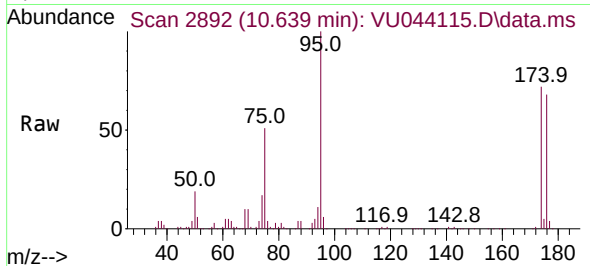




#76
1,2,3-Trichloropropane
Concen: 18.349 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044115.D
Acq: 08 Jun 2021 16:09

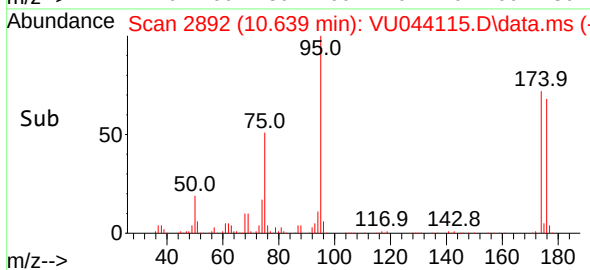
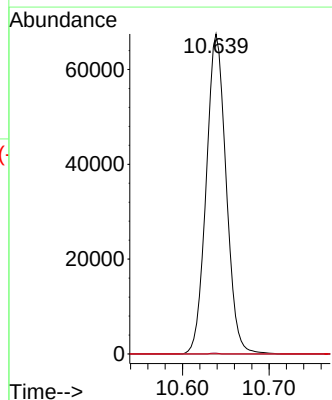
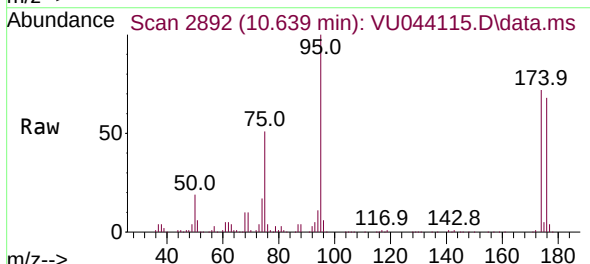
Instrument :
MSVOA_U
ClientSampled :

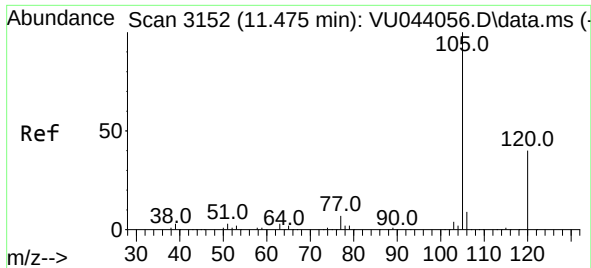
Tgt Ion: 75 Resp: 107768
Ion Ratio Lower Upper
75 100
77 1.2 16.9 50.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.580 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044115.D
Acq: 08 Jun 2021 16:09

Tgt Ion: 75 Resp: 107768
Ion Ratio Lower Upper
75 100
53 0.1 76.9 115.3#
89 0.0 33.8 50.8#

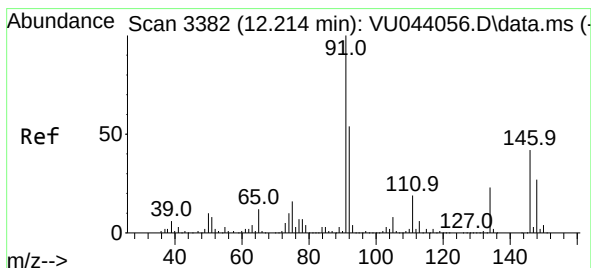
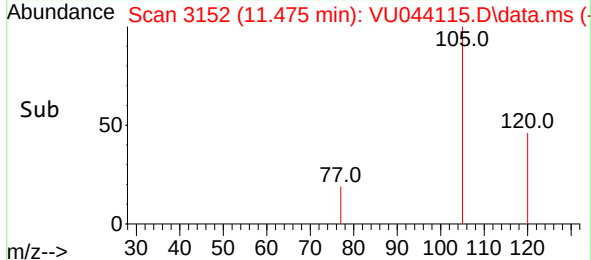
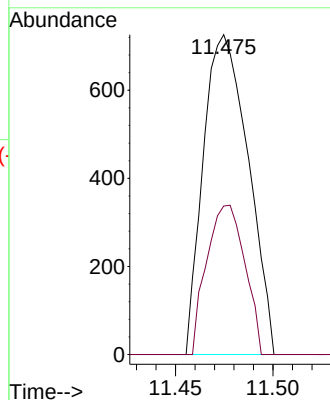
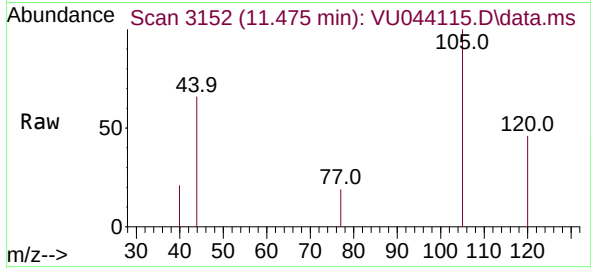




#84
1,2,4-Trimethylbenzene
Concen: 1.033 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VU044115.D
Acq: 08 Jun 2021 16:09

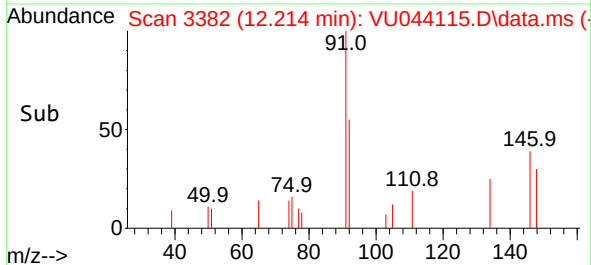
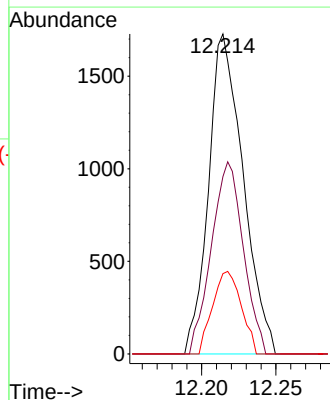
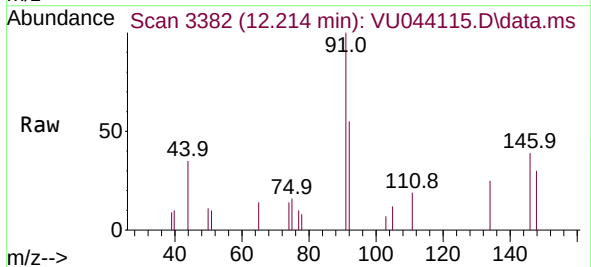
Instrument :
MSVOA_U
ClientSampled :

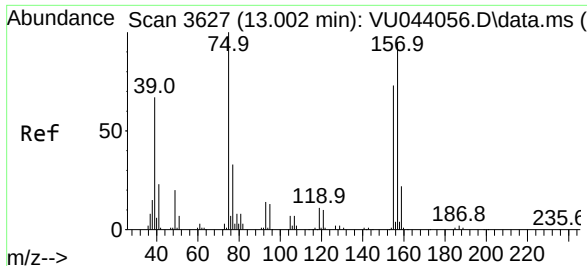
Tgt Ion:105 Resp: 1162
Ion Ratio Lower Upper
105 100
120 39.7 21.9 65.7



#89
n-Butylbenzene
Concen: 0.214 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. 0.000 min
Lab File: VU044115.D
Acq: 08 Jun 2021 16:09

Tgt Ion: 91 Resp: 2795
Ion Ratio Lower Upper
91 100
92 55.4 26.8 80.4
134 21.3 11.4 34.2

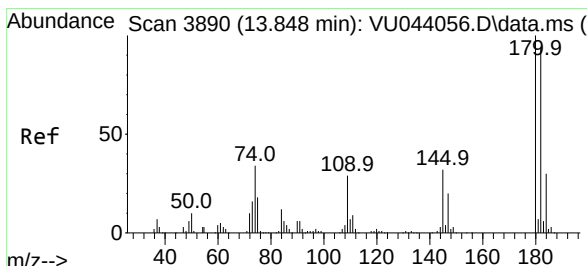
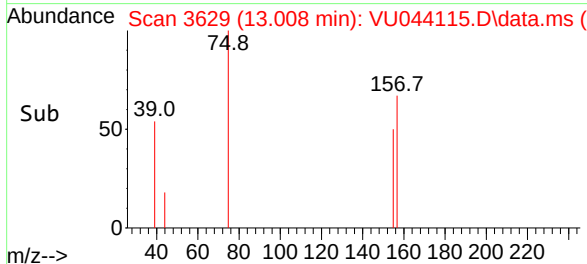
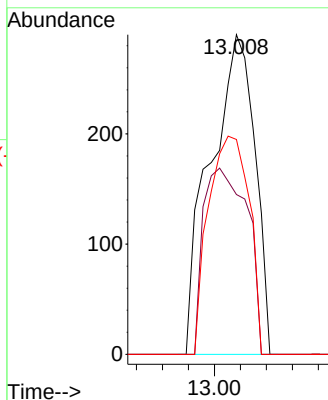
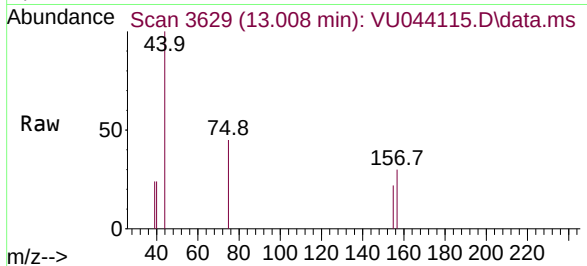




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.246 ug/l
RT: 13.008 min Scan# 3629
Delta R.T. 0.006 min
Lab File: VU044115.D
Acq: 08 Jun 2021 16:09

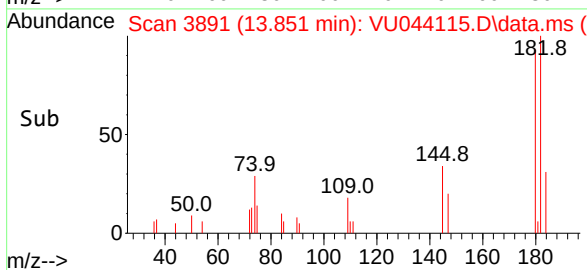
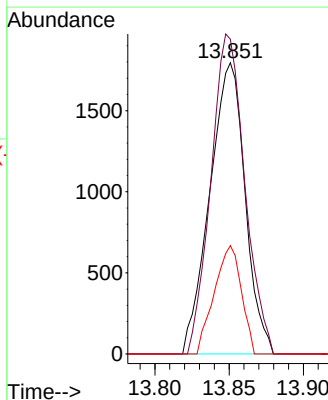
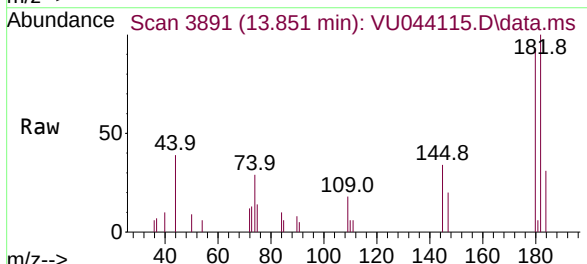
Instrument :
MSVOA_U
ClientSampleId :

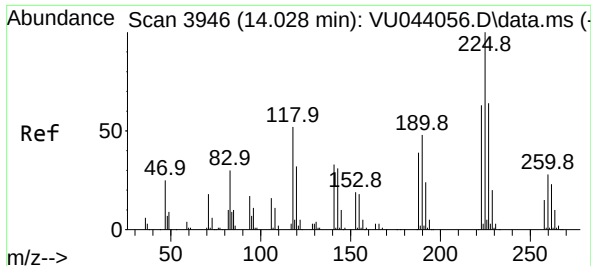
Tgt Ion: 75 Resp: 346
Ion Ratio Lower Upper
75 100
155 57.2 36.0 108.1
157 62.1 46.6 139.7



#93
1,2,4-Trichlorobenzene
Concen: 0.753 ug/l
RT: 13.851 min Scan# 3891
Delta R.T. 0.003 min
Lab File: VU044115.D
Acq: 08 Jun 2021 16:09

Tgt Ion:180 Resp: 2969
Ion Ratio Lower Upper
180 100
182 105.4 47.1 141.3
145 28.4 16.0 47.9

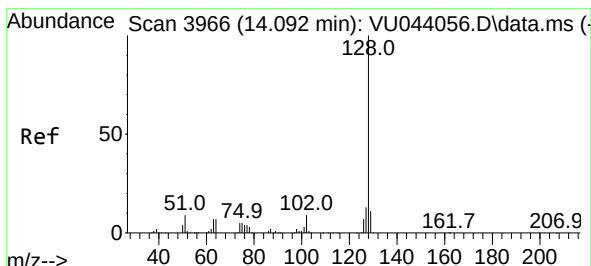
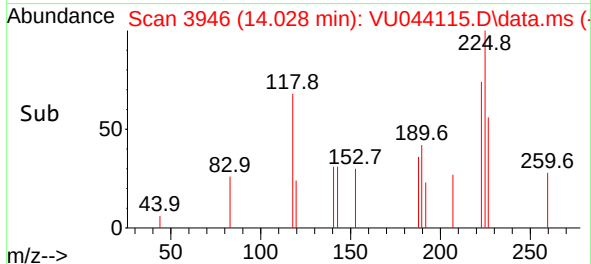
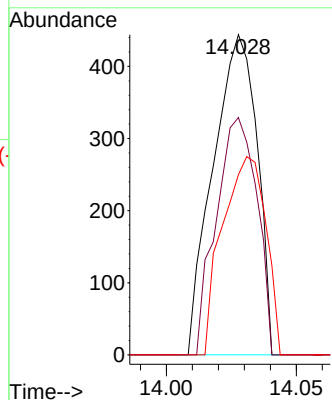
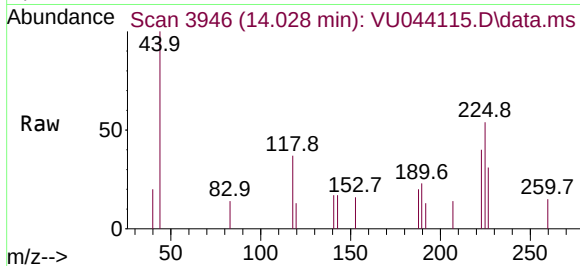




#94
Hexachlorobutadiene
Concen: 0.232 ug/l
RT: 14.028 min Scan# 3946
Delta R.T. -0.000 min
Lab File: VU044115.D
Acq: 08 Jun 2021 16:09

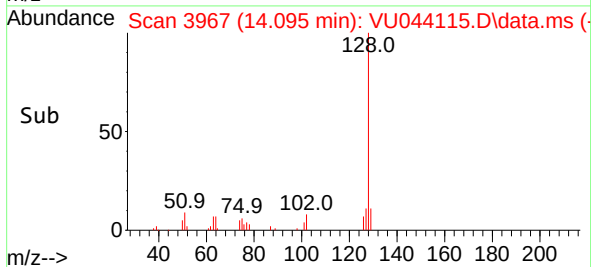
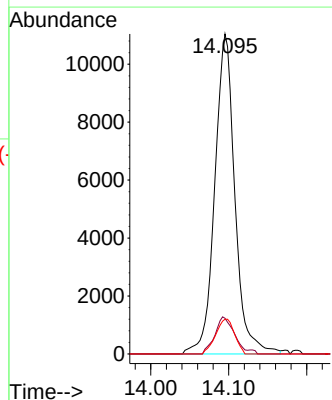
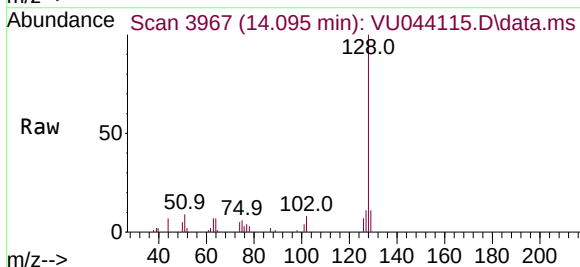
Instrument :
MSVOA_U
ClientSampleId :

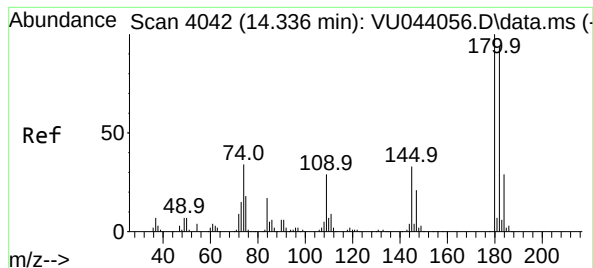
Tgt Ion:	225	Resp:	522
Ion	Ratio	Lower	Upper
225	100		
223	68.8	31.6	94.8
227	60.9	31.8	95.4



#95
Naphthalene
Concen: 4.151 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU044115.D
Acq: 08 Jun 2021 16:09

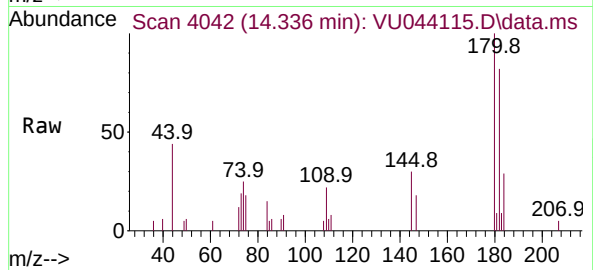
Tgt Ion:	128	Resp:	19818
Ion	Ratio	Lower	Upper
128	100		
127	11.4	10.2	15.4
129	10.1	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.954 ug/l
 RT: 14.336 min Scan# 4042
 Delta R.T. 0.000 min
 Lab File: VU044115.D
 Acq: 08 Jun 2021 16:09

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:180 Resp: 3626

Ion	Ratio	Lower	Upper
180	100		
182	90.2	47.3	141.9
145	30.3	16.9	50.7

