

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060821\
 Data File : VU044122.D
 Acq On : 08 Jun 2021 18:53
 Operator : SY/MD
 Sample : M25280-26
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 08 23:15:03 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

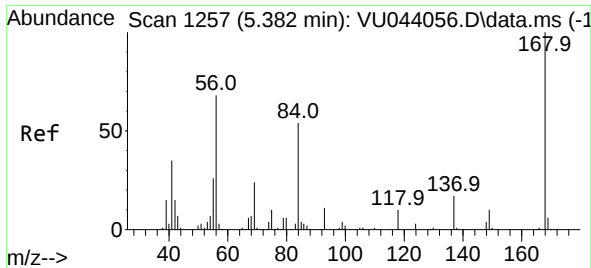
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.382	168	220230	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	437585	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.424	117	462749	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	221107	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	195988	51.099	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.200%	
35) Dibromofluoromethane	5.298	113	152855	48.950	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.900%	
50) Toluene-d8	7.906	98	601106	49.906	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.820%	
62) 4-Bromofluorobenzene	10.639	95	226720	47.542	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.080%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.524	50	805	Below Cal		99
5) Bromomethane	1.848	94	665	0.393	ug/l	87
11) Tert butyl alcohol	3.192	59	11299	11.883	ug/l #	76
16) Acetone	2.630	43	61478	27.772	ug/l	96
18) Methyl Acetate	2.958	43	1179	0.242	ug/l #	76
20) Methylene Chloride	3.054	84	10522	1.522	ug/l	93
23) Vinyl Acetate	4.060	43	2531	0.285	ug/l #	73
25) 2-Butanone	4.716	43	10812	3.423	ug/l	98
29) Tetrahydrofuran	5.076	42	861	0.491	ug/l #	64
31) Cyclohexane	5.382	56	4931	0.931	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	19846	4.026	ug/l #	50
37) Ethyl Acetate	4.716	43	10812	1.741	ug/l #	68
38) Carbon Tetrachloride	5.382	117	23897	5.365	ug/l #	17
43) Isopropyl Acetate	5.922	43	15086	1.718	ug/l	98
48) Methyl methacrylate	6.903	41	7697	1.777	ug/l #	24
51) 4-Methyl-2-Pentanone	7.797	43	9504	1.457	ug/l	94
54) cis-1,3-Dichloropropene	7.745	75	27363	4.539	ug/l #	68
56) Ethyl methacrylate	8.475	69	148	3.407	ug/l #	1
57) 1,3-Dichloropropane	8.732	76	6934	1.044	ug/l #	42
59) 2-Hexanone	8.735	43	92154	18.183	ug/l #	53
69) o-Xylene	10.108	106	1622	0.258	ug/l	100
76) 1,2,3-Trichloropropane	10.639	75	115445	18.664	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.639	75	115445	54.500	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.475	105	4959	1.289	ug/l	91
95) Naphthalene	14.095	128	59467	6.565	ug/l	99

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

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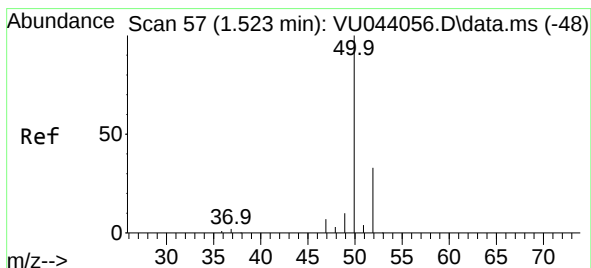
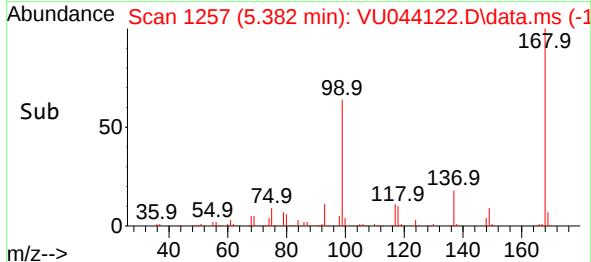
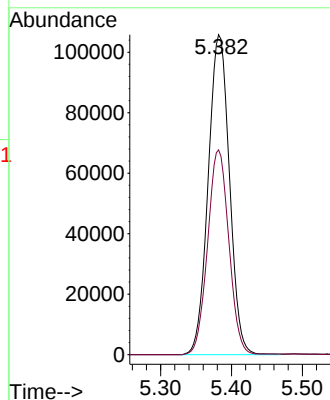
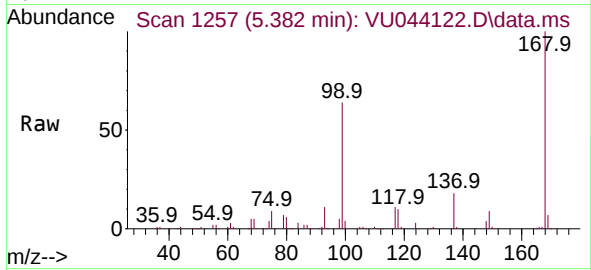




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044122.D
Acq: 08 Jun 2021 18:53

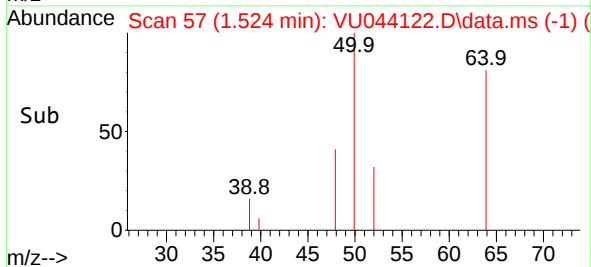
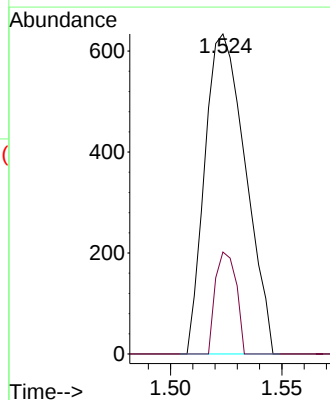
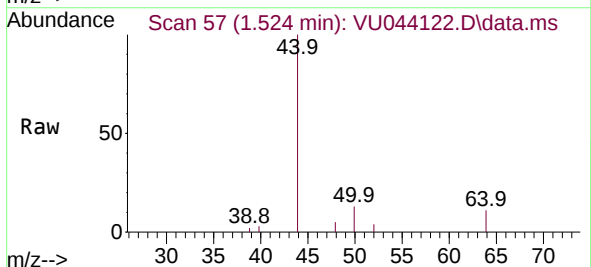
Instrument :
MSVOA_U
ClientSampled :

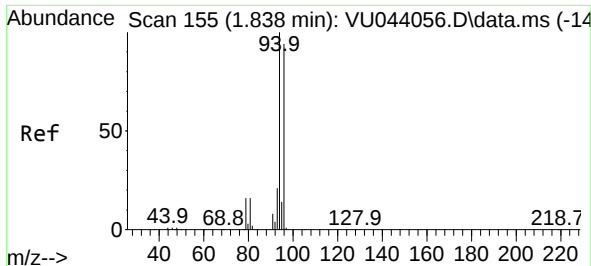
Tgt Ion:168 Resp: 220230
Ion Ratio Lower Upper
168 100
99 64.0 52.6 78.8



#3
Chloromethane
Concen: Below Cal
RT: 1.524 min Scan# 57
Delta R.T. 0.001 min
Lab File: VU044122.D
Acq: 08 Jun 2021 18:53

Tgt Ion: 50 Resp: 805
Ion Ratio Lower Upper
50 100
52 31.9 26.2 39.2

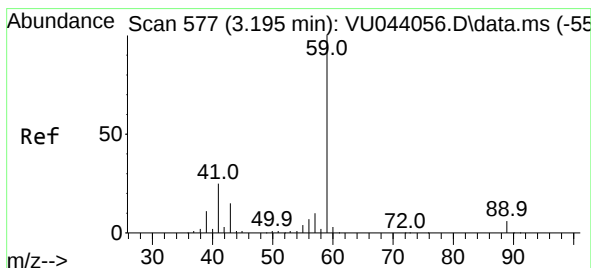
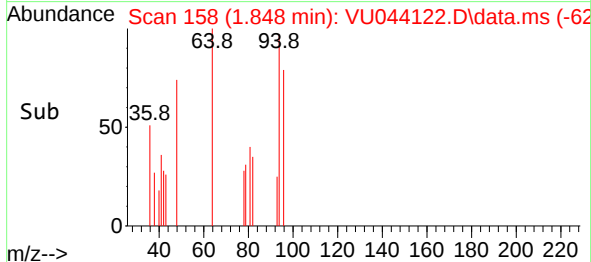
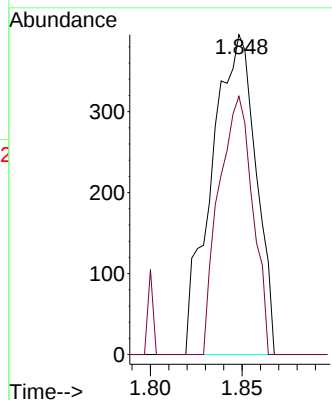
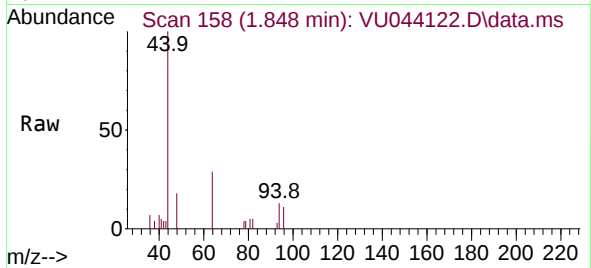




#5
Bromomethane
Concen: 0.393 ug/l
RT: 1.848 min Scan# 158
Delta R.T. 0.010 min
Lab File: VU044122.D
Acq: 08 Jun 2021 18:53

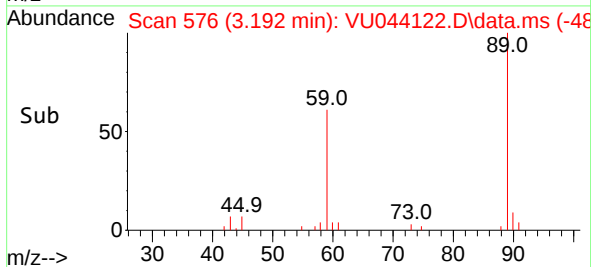
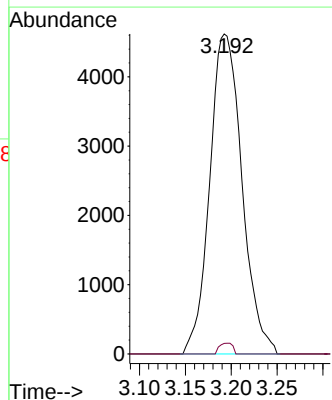
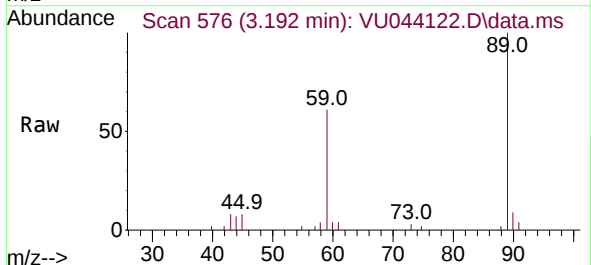
Instrument :
MSVOA_U
ClientSampled :

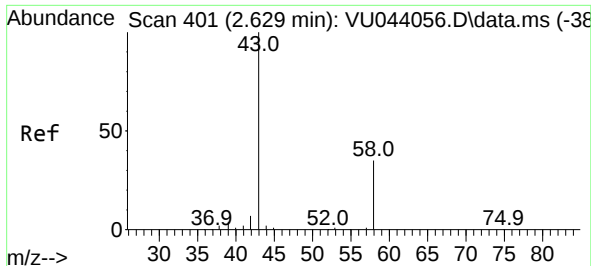
Tgt Ion: 94 Resp: 665
Ion Ratio Lower Upper
94 100
96 80.8 74.8 112.2



#11
Tert butyl alcohol
Concen: 11.883 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.003 min
Lab File: VU044122.D
Acq: 08 Jun 2021 18:53

Tgt Ion: 59 Resp: 11299
Ion Ratio Lower Upper
59 100
57 1.4 8.2 12.4#

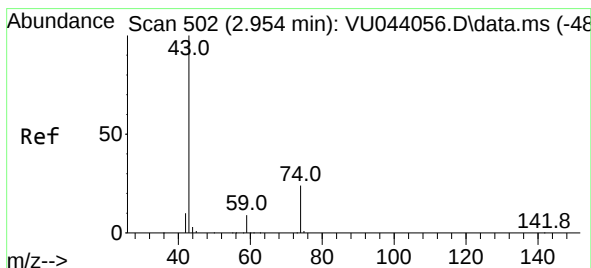
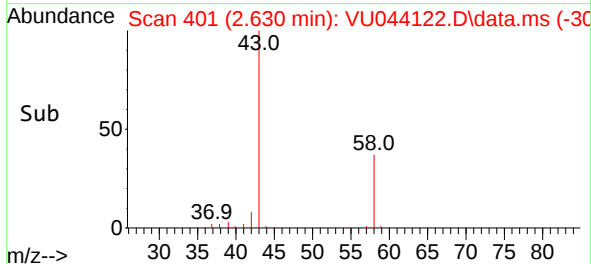
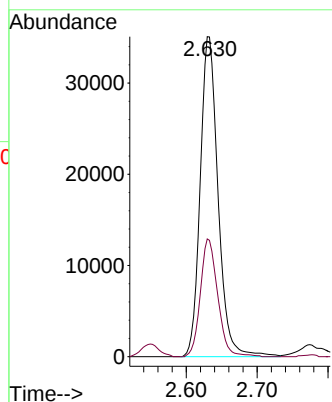
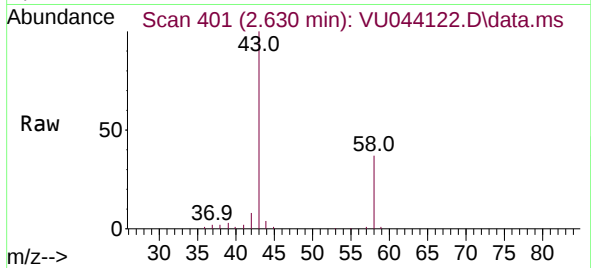




#16
Acetone
Concen: 27.772 ug/l
RT: 2.630 min Scan# 401
Delta R.T. 0.001 min
Lab File: VU044122.D
Acq: 08 Jun 2021 18:53

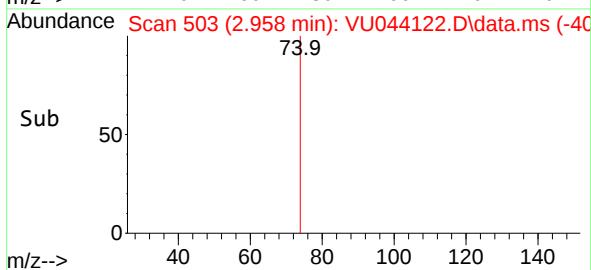
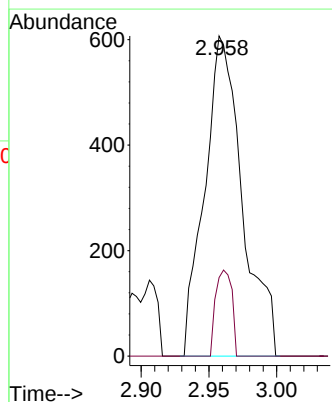
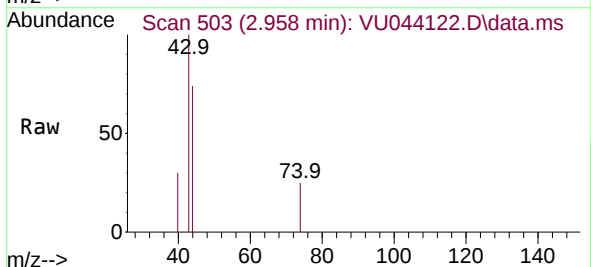
Instrument :
MSVOA_U
ClientSampleId :

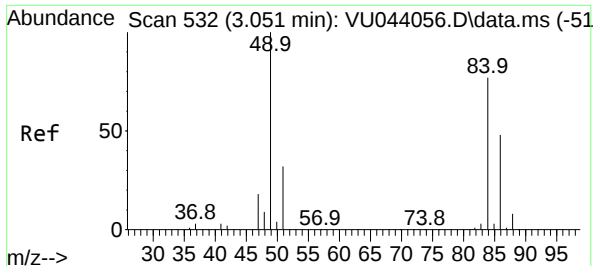
Tgt Ion: 43 Resp: 61478
Ion Ratio Lower Upper
43 100
58 36.8 27.7 41.5



#18
Methyl Acetate
Concen: 0.242 ug/l
RT: 2.958 min Scan# 503
Delta R.T. 0.004 min
Lab File: VU044122.D
Acq: 08 Jun 2021 18:53

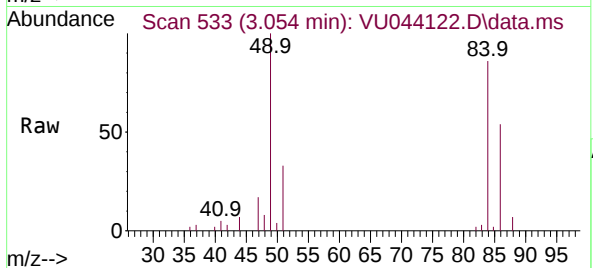
Tgt Ion: 43 Resp: 1179
Ion Ratio Lower Upper
43 100
74 11.5 18.7 28.1#



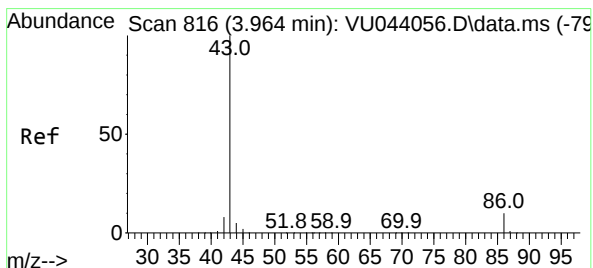
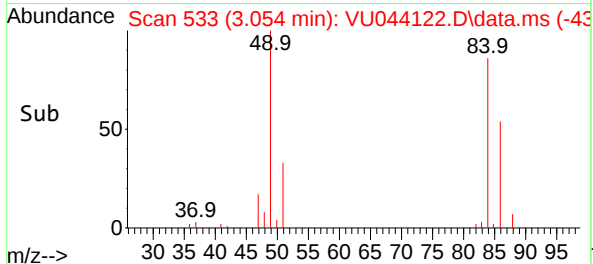
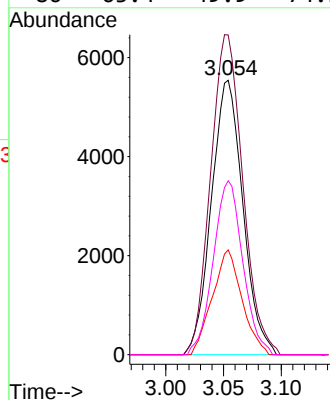


#20
Methylene Chloride
Concen: 1.522 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU044122.D
Acq: 08 Jun 2021 18:53

Instrument :
MSVOA_U
ClientSampleId :

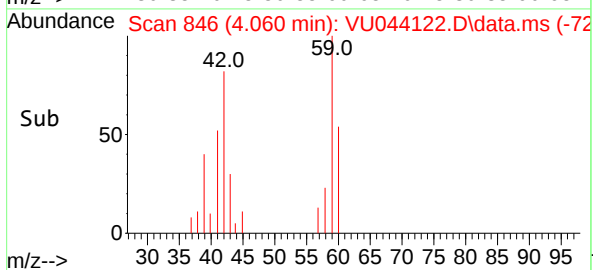
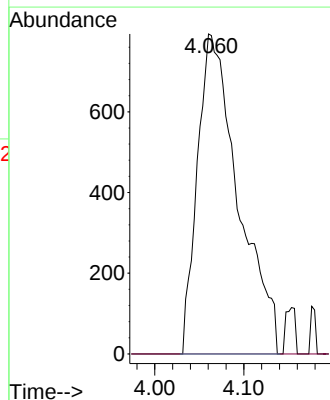
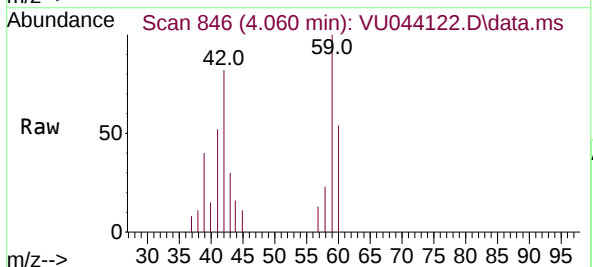


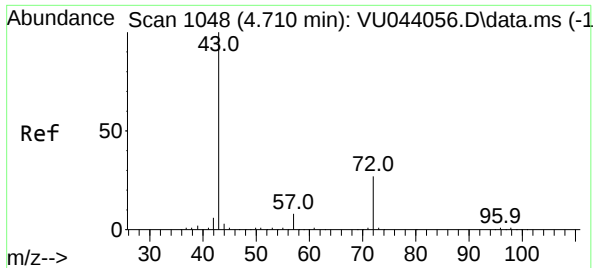
Tgt Ion:	84	Resp:	10522
Ion	Ratio	Lower	Upper
84	100		
49	116.5	103.6	155.4
51	38.2	32.8	49.2
86	63.4	49.9	74.9



#23
Vinyl Acetate
Concen: 0.285 ug/l
RT: 4.060 min Scan# 846
Delta R.T. 0.096 min
Lab File: VU044122.D
Acq: 08 Jun 2021 18:53

Tgt Ion:	43	Resp:	2531
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.2#

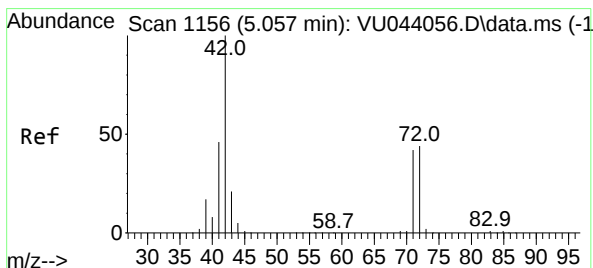
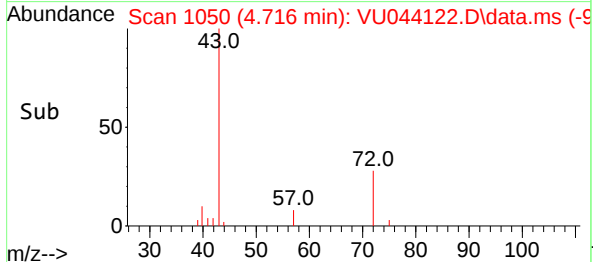
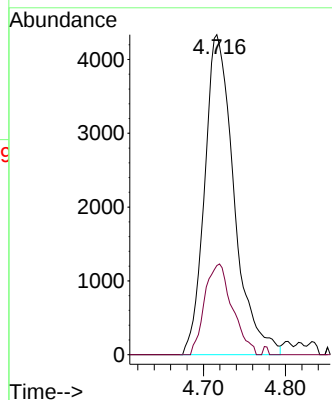
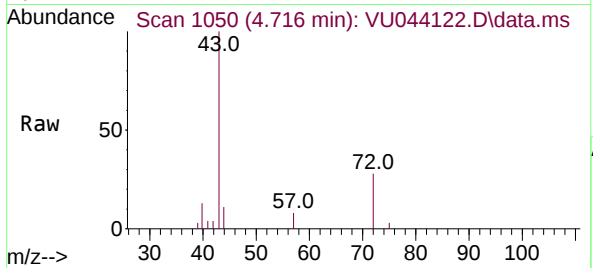




#25
2-Butanone
Concen: 3.423 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. 0.006 min
Lab File: VU044122.D
Acq: 08 Jun 2021 18:53

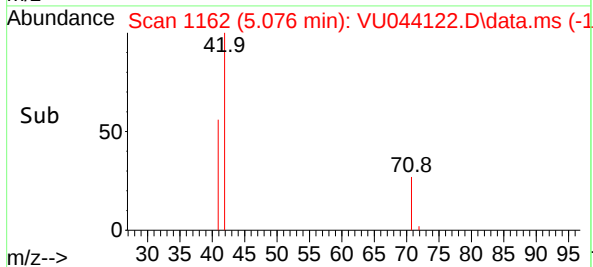
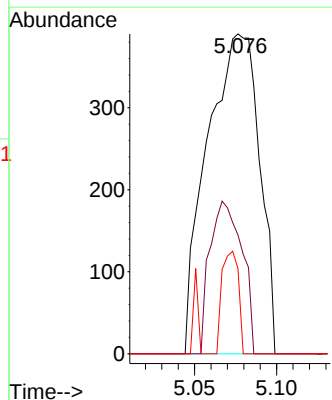
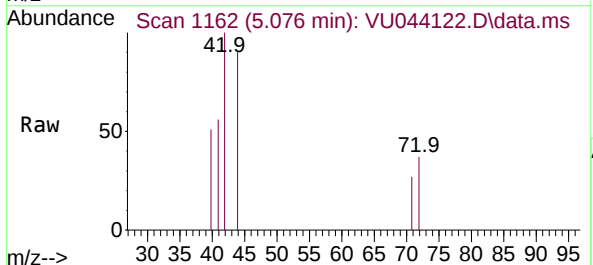
Instrument :
MSVOA_U
ClientSampled :

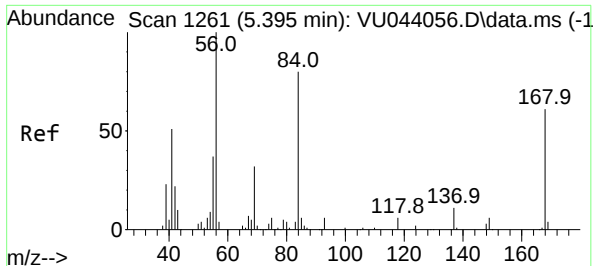
Tgt Ion: 43 Resp: 10812
Ion Ratio Lower Upper
43 100
72 27.8 21.4 32.2



#29
Tetrahydrofuran
Concen: 0.491 ug/l
RT: 5.076 min Scan# 1162
Delta R.T. 0.019 min
Lab File: VU044122.D
Acq: 08 Jun 2021 18:53

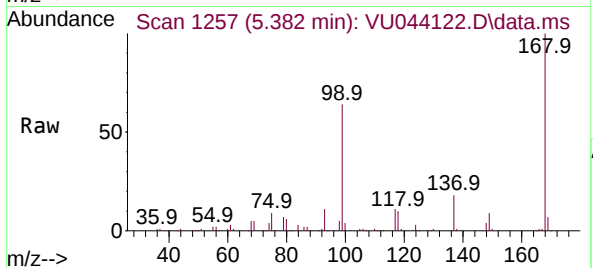
Tgt Ion: 42 Resp: 861
Ion Ratio Lower Upper
42 100
72 29.3 35.6 53.4#
71 10.1 33.3 49.9#



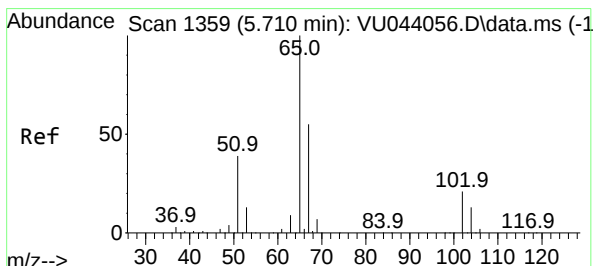
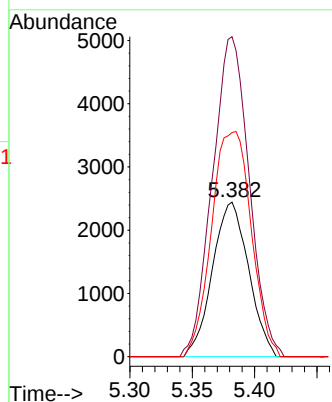
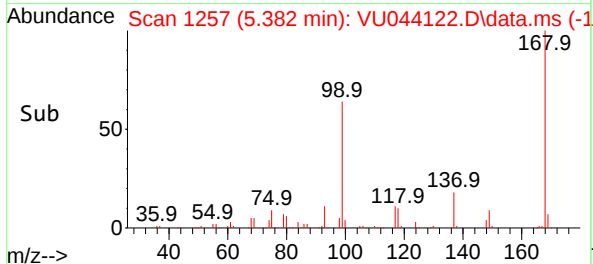


#31
Cyclohexane
Concen: 0.931 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.013 min
Lab File: VU044122.D
Acq: 08 Jun 2021 18:53

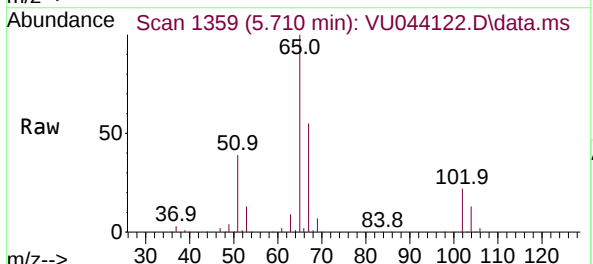
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MSVOA_U
ClientSampled :



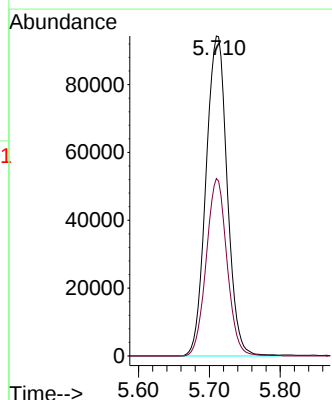
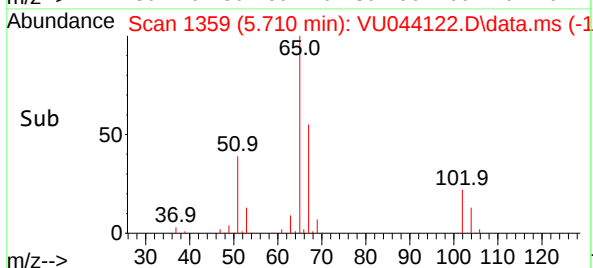
Tgt Ion: 56 Resp: 4931
Ion Ratio Lower Upper
56 100
69 207.0 25.4 38.2#
84 144.9 64.2 96.2#

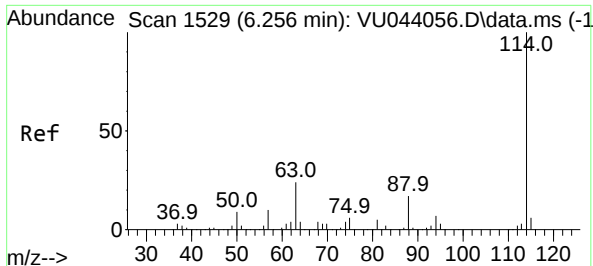


#33
1,2-Dichloroethane-d4
Concen: 51.099 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044122.D
Acq: 08 Jun 2021 18:53



Tgt Ion: 65 Resp: 195988
Ion Ratio Lower Upper
65 100
67 54.2 0.0 109.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.256 min Scan# 1529

Delta R.T. 0.000 min

Lab File: VU044122.D

Acq: 08 Jun 2021 18:53

Tgt Ion:114 Resp: 437585

Ion Ratio Lower Upper

114 100

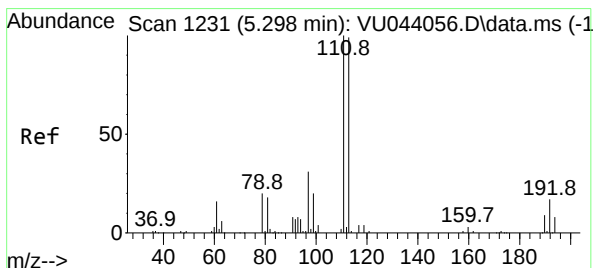
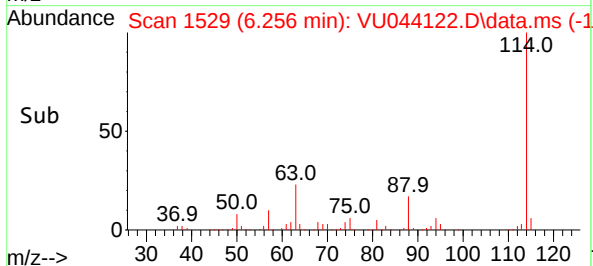
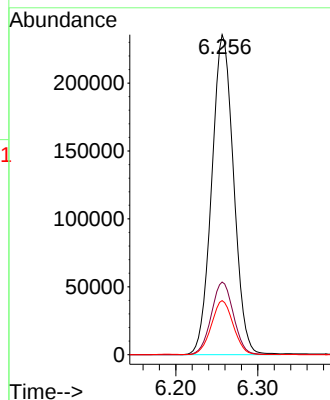
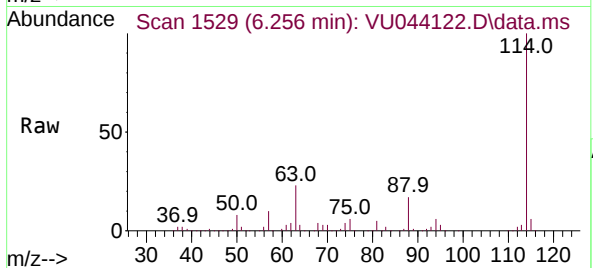
63 22.7 0.0 48.4

88 16.8 0.0 34.4

Instrument :

MSVOA_U

ClientSampleId :



#35

Dibromofluoromethane

Concen: 48.950 ug/l

RT: 5.298 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VU044122.D

Acq: 08 Jun 2021 18:53

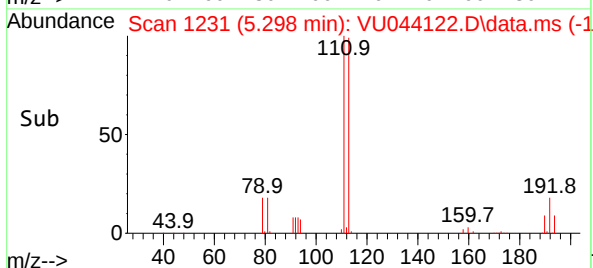
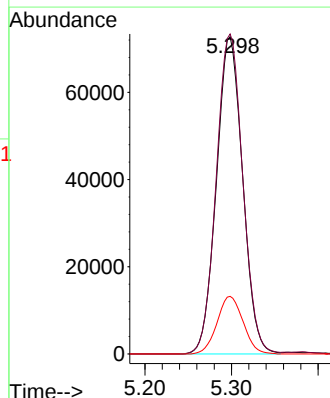
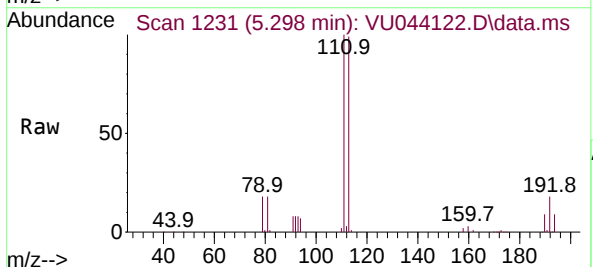
Tgt Ion:113 Resp: 152855

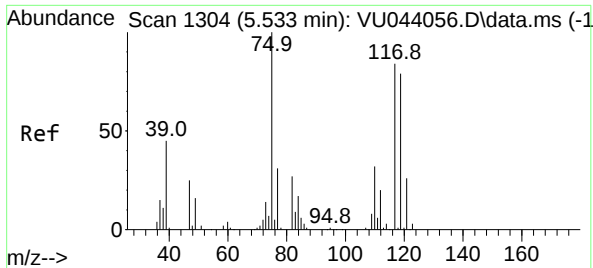
Ion Ratio Lower Upper

113 100

111 102.2 82.1 123.1

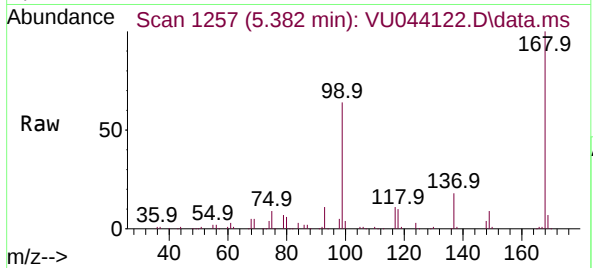
192 18.1 13.8 20.8



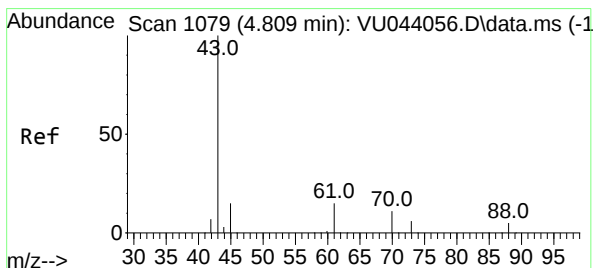
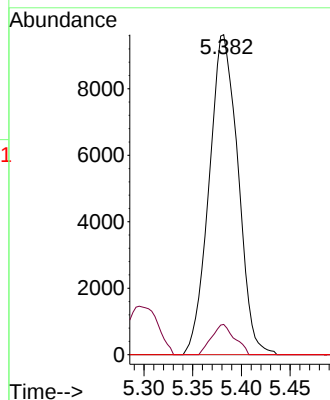
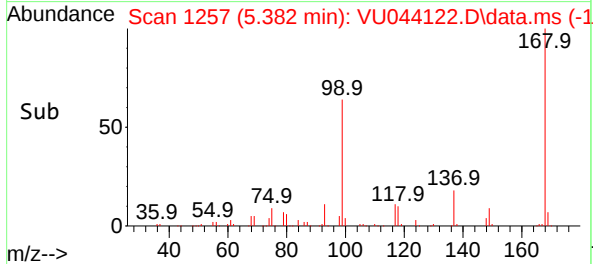


#36
1,1-Dichloropropene
Concen: 4.026 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044122.D
Acq: 08 Jun 2021 18:53

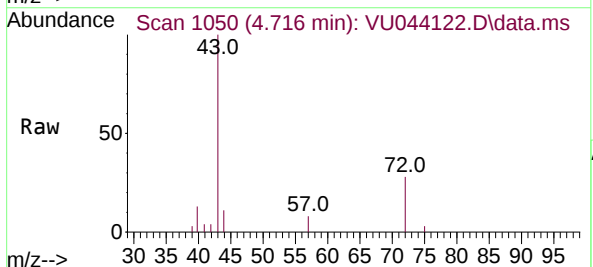
Instrument :
MSVOA_U
ClientSampleId :



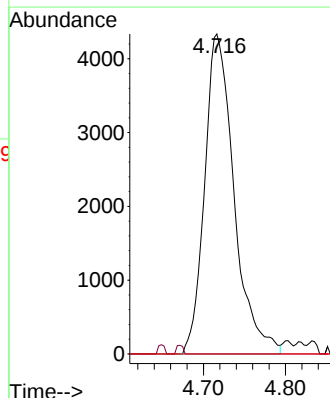
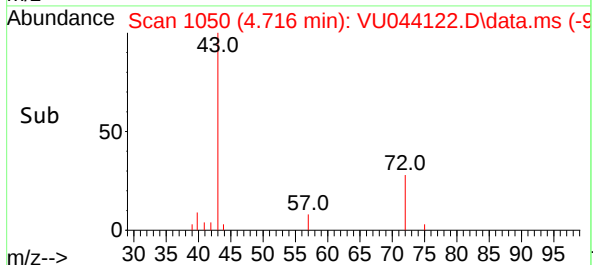
Tgt Ion: 75 Resp: 19846
Ion Ratio Lower Upper
75 100
110 7.6 15.9 47.7#
77 0.0 25.0 37.4#

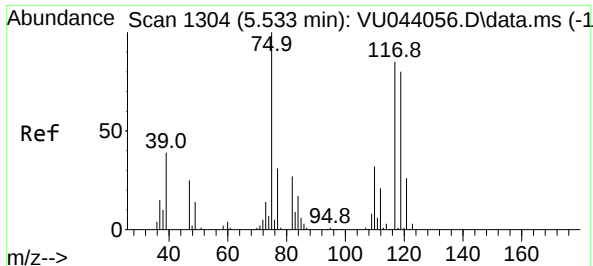


#37
Ethyl Acetate
Concen: 1.741 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. -0.093 min
Lab File: VU044122.D
Acq: 08 Jun 2021 18:53



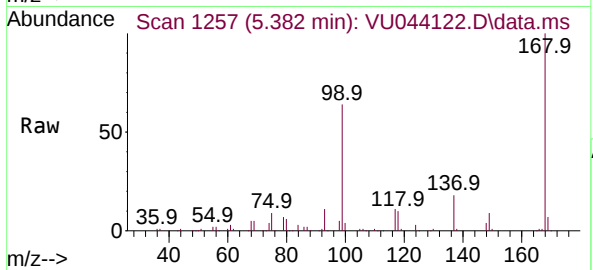
Tgt Ion: 43 Resp: 10812
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.2#
70 0.0 8.6 12.8#



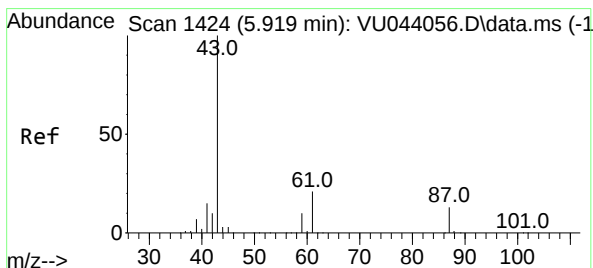
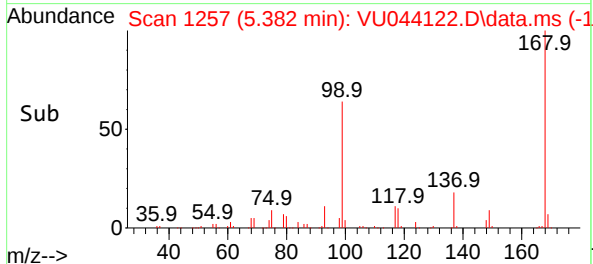
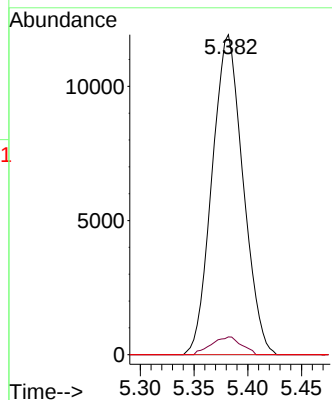


#38
Carbon Tetrachloride
Concen: 5.365 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044122.D
Acq: 08 Jun 2021 18:53

Instrument :
MSVOA_U
ClientSampled :

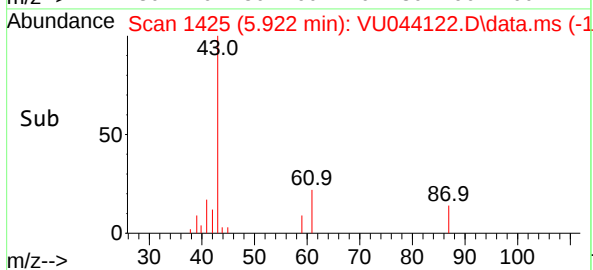
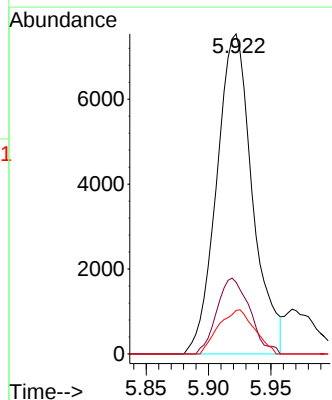
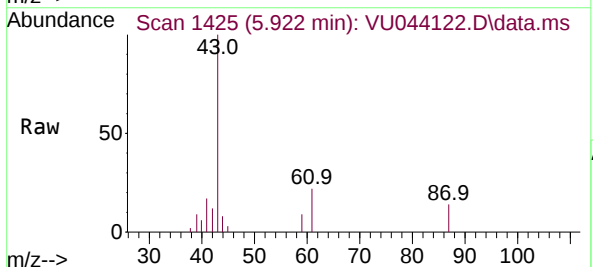


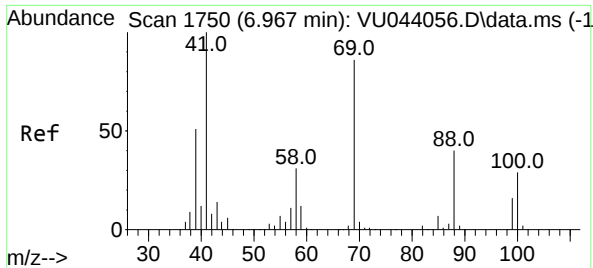
Tgt Ion:117 Resp: 23897
Ion Ratio Lower Upper
117 100
119 5.5 75.4 113.2#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 1.718 ug/l
RT: 5.922 min Scan# 1425
Delta R.T. 0.003 min
Lab File: VU044122.D
Acq: 08 Jun 2021 18:53

Tgt Ion: 43 Resp: 15086
Ion Ratio Lower Upper
43 100
61 21.8 16.8 25.2
87 13.8 10.2 15.2

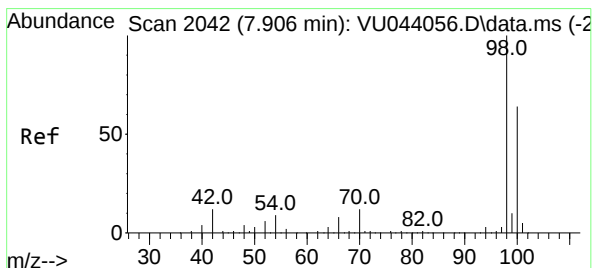
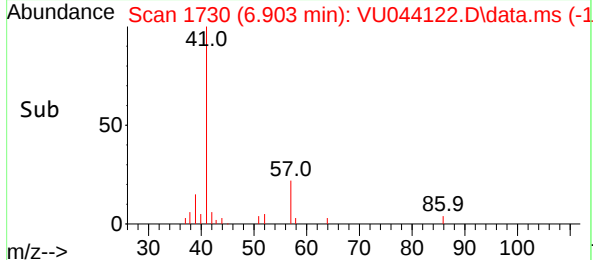
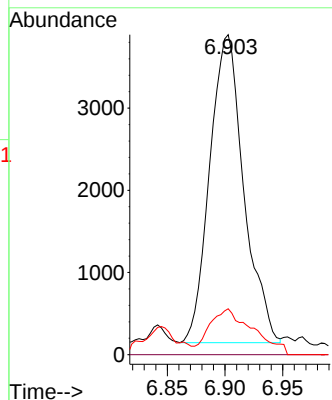
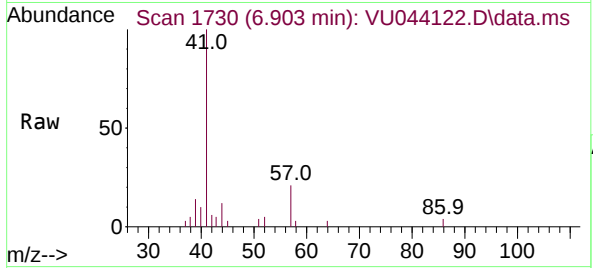




#48
Methyl methacrylate
Concen: 1.777 ug/l
RT: 6.903 min Scan# 1730
Delta R.T. -0.064 min
Lab File: VU044122.D
Acq: 08 Jun 2021 18:53

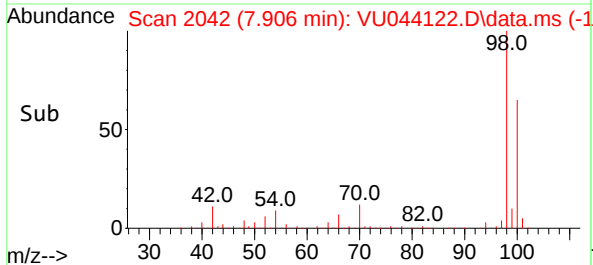
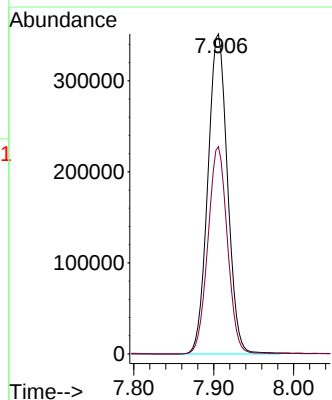
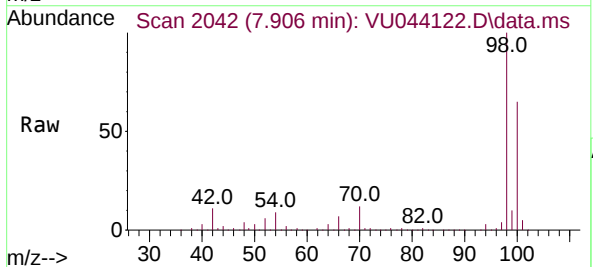
Instrument :
MSVOA_U
ClientSampleId :

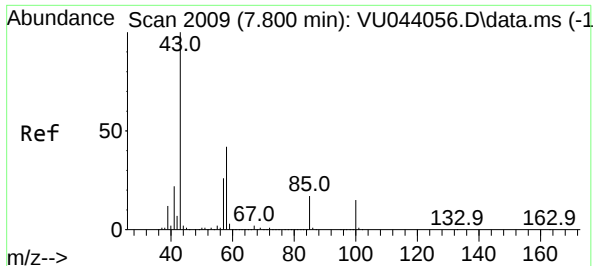
Tgt Ion: 41 Resp: 7697
Ion Ratio Lower Upper
41 100
69 0.0 68.9 103.3#
39 18.9 40.6 60.8#



#50
Toluene-d8
Concen: 49.906 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU044122.D
Acq: 08 Jun 2021 18:53

Tgt Ion: 98 Resp: 601106
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4

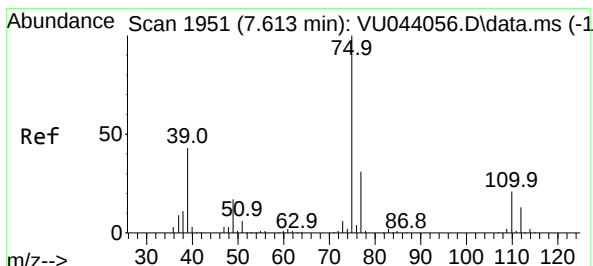
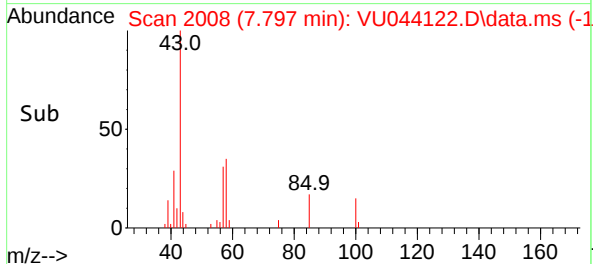
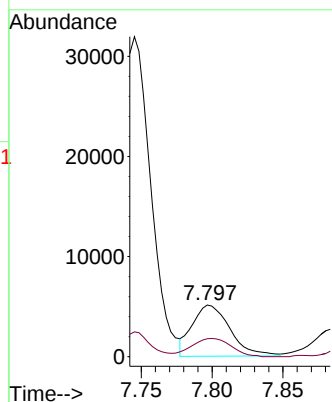
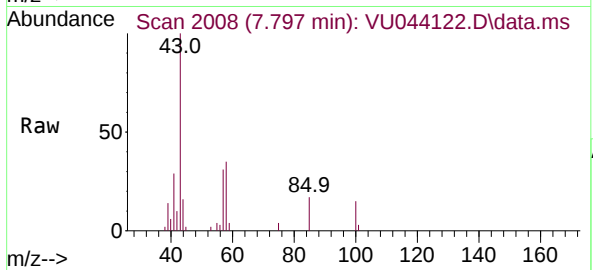




#51
4-Methyl-2-Pentanone
Concen: 1.457 ug/l
RT: 7.797 min Scan# 2008
Delta R.T. -0.003 min
Lab File: VU044122.D
Acq: 08 Jun 2021 18:53

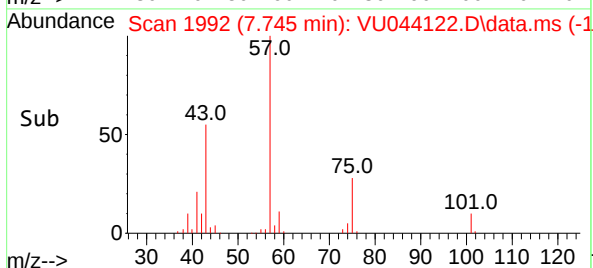
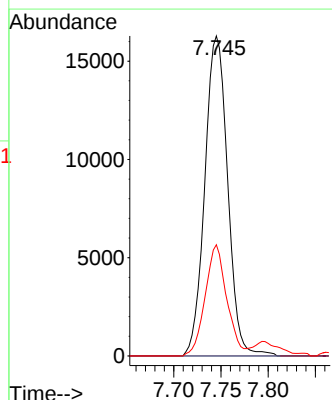
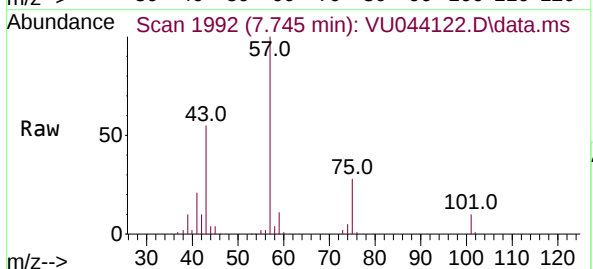
Instrument :
MSVOA_U
ClientSampled :

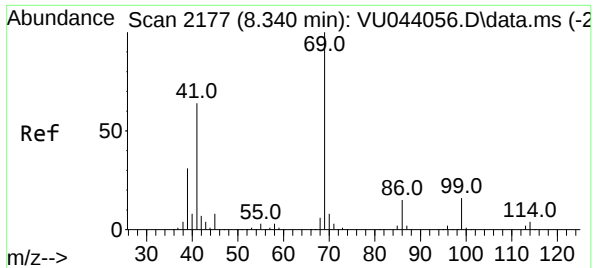
Tgt Ion: 43 Resp: 9504
Ion Ratio Lower Upper
43 100
58 37.5 33.3 49.9



#54
cis-1,3-Dichloropropene
Concen: 4.539 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.132 min
Lab File: VU044122.D
Acq: 08 Jun 2021 18:53

Tgt Ion: 75 Resp: 27363
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 34.7 34.7 52.1

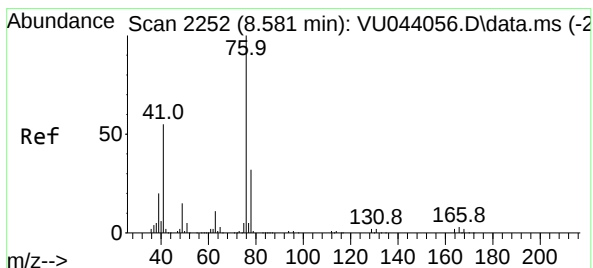
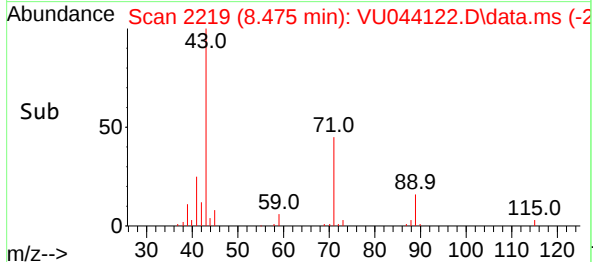
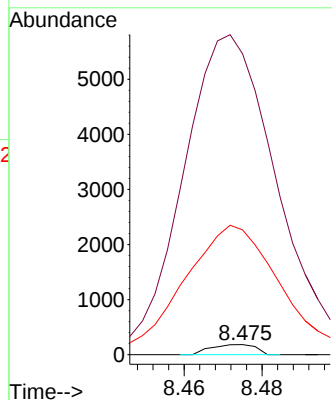
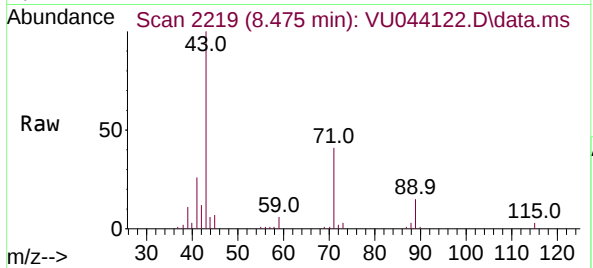




#56
Ethyl methacrylate
Concen: 3.407 ug/l
RT: 8.475 min Scan# 2219
Delta R.T. 0.135 min
Lab File: VU044122.D
Acq: 08 Jun 2021 18:53

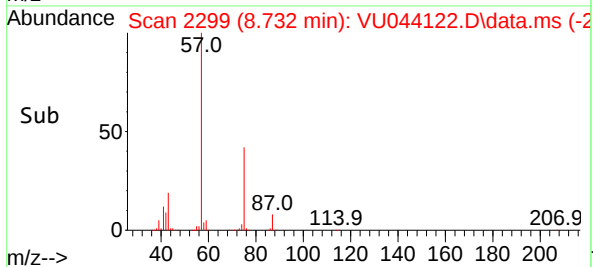
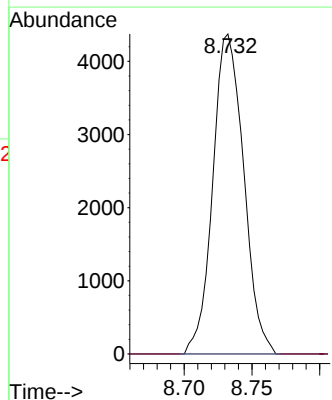
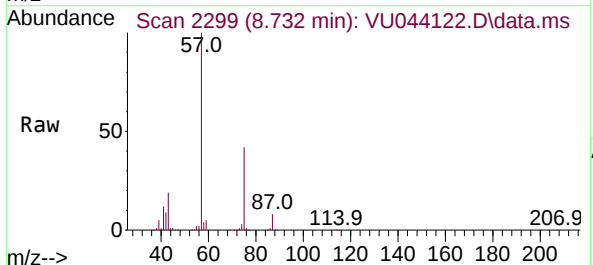
Instrument :
MSVOA_U
ClientSampleId :

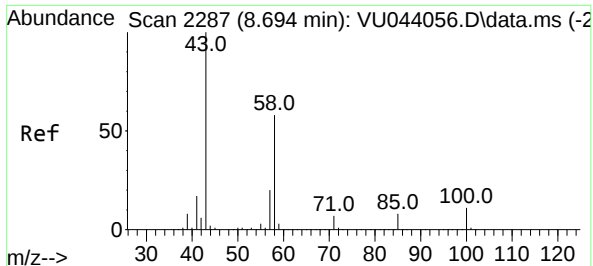
Tgt Ion: 69 Resp: 148
Ion Ratio Lower Upper
69 100
41 6822.3 51.4 77.0#
39 2810.1 24.9 37.3#



#57
1,3-Dichloropropane
Concen: 1.044 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU044122.D
Acq: 08 Jun 2021 18:53

Tgt Ion: 76 Resp: 6934
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

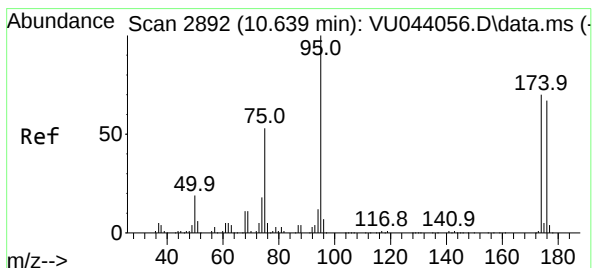
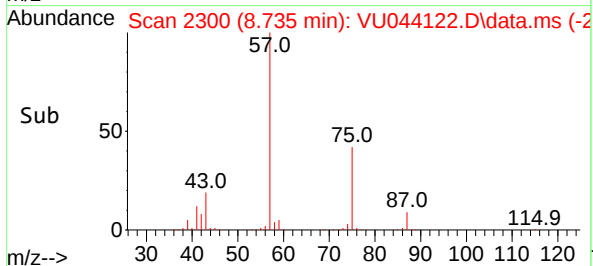
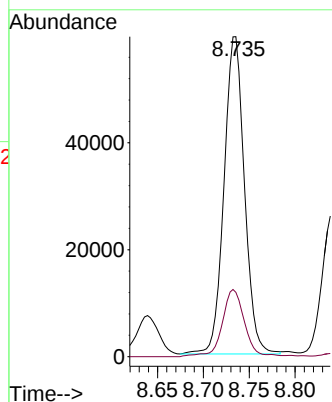
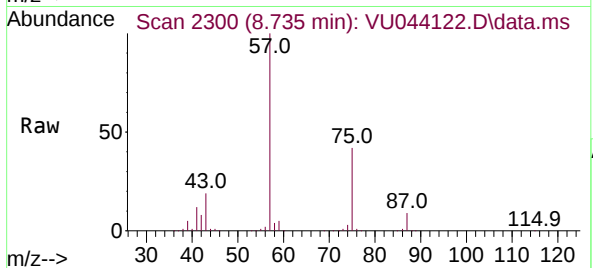




#59
2-Hexanone
Concen: 18.183 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.041 min
Lab File: VU044122.D
Acq: 08 Jun 2021 18:53

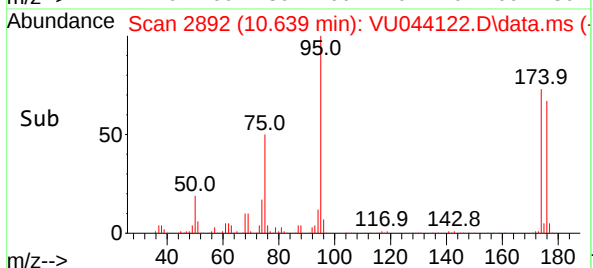
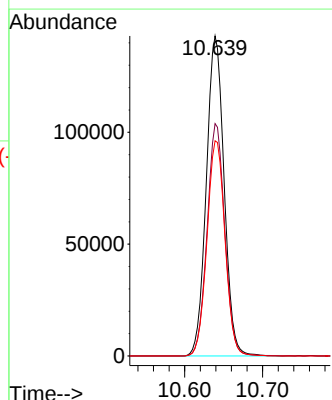
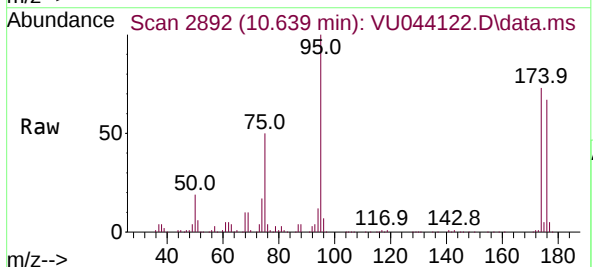
Instrument :
MSVOA_U
ClientSampled :

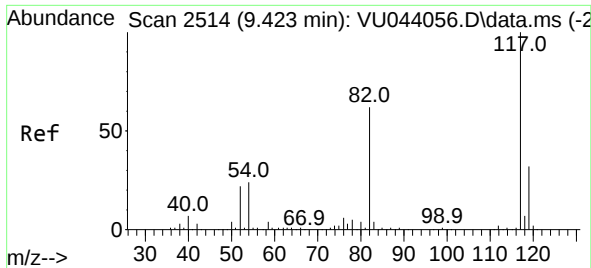
Tgt Ion: 43 Resp: 92154
Ion Ratio Lower Upper
43 100
58 22.9 29.0 87.1#



#62
4-Bromofluorobenzene
Concen: 47.542 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044122.D
Acq: 08 Jun 2021 18:53

Tgt Ion: 95 Resp: 226720
Ion Ratio Lower Upper
95 100
174 72.2 0.0 141.0
176 68.2 0.0 135.2

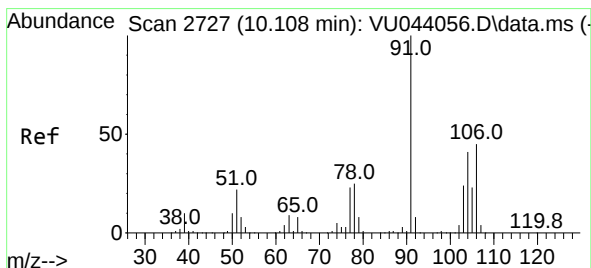
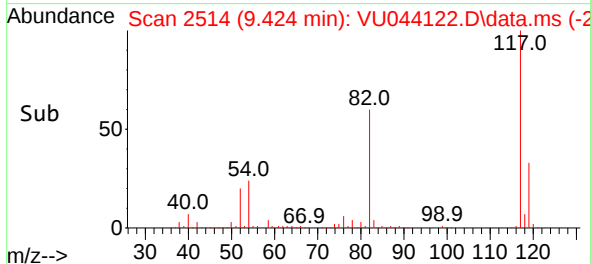
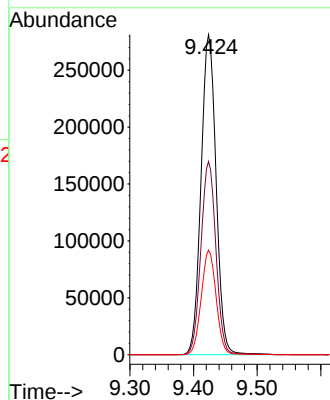
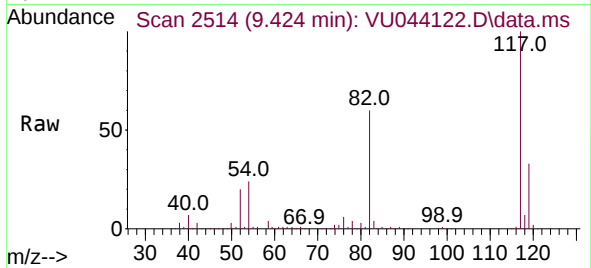




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.424 min Scan# 2514
Delta R.T. 0.001 min
Lab File: VU044122.D
Acq: 08 Jun 2021 18:53

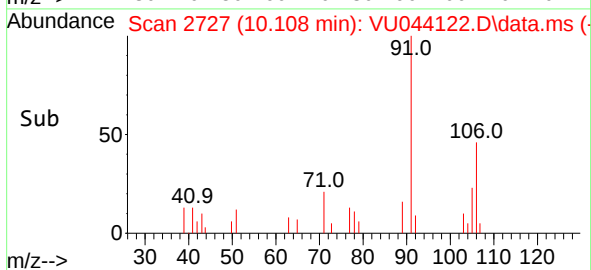
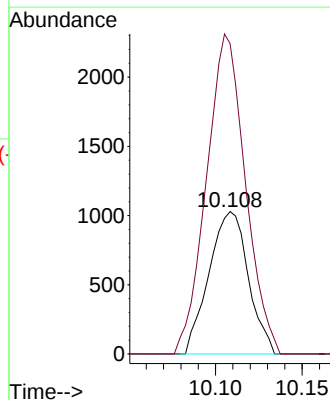
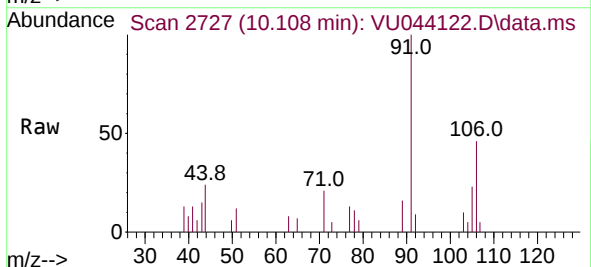
Instrument :
MSVOA_U
ClientSampled :

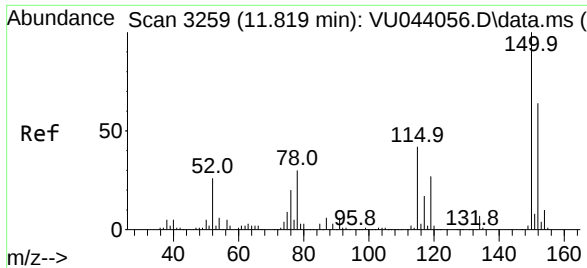
Tgt Ion:117 Resp: 462749
Ion Ratio Lower Upper
117 100
82 60.3 50.0 75.0
119 32.7 25.9 38.9



#69
o-Xylene
Concen: 0.258 ug/l
RT: 10.108 min Scan# 2727
Delta R.T. 0.000 min
Lab File: VU044122.D
Acq: 08 Jun 2021 18:53

Tgt Ion:106 Resp: 1622
Ion Ratio Lower Upper
106 100
91 222.6 111.2 333.6

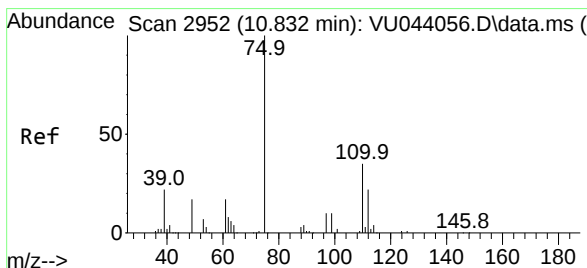
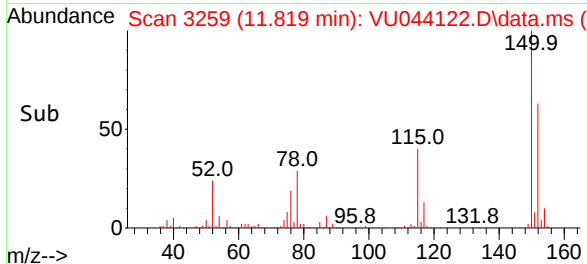
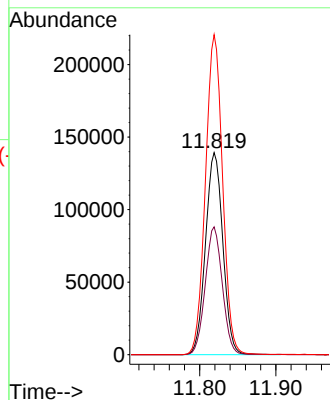
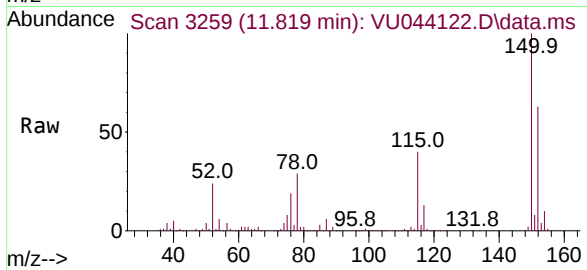




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU044122.D
 Acq: 08 Jun 2021 18:53

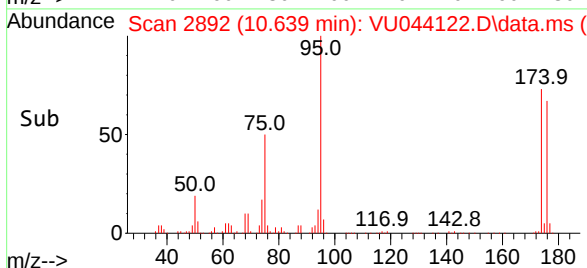
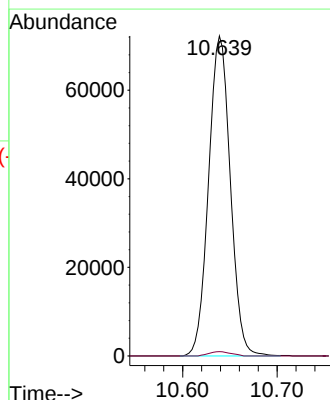
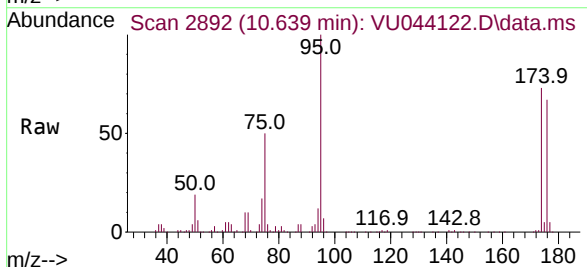
Instrument :
 MSVOA_U
 ClientSampled :

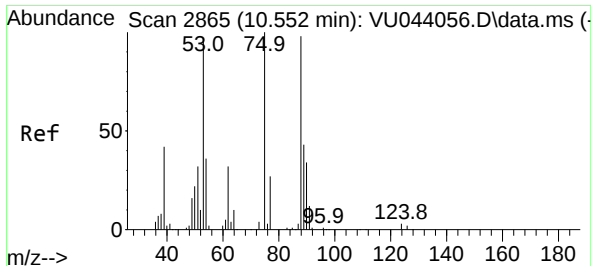
Tgt Ion:152 Resp: 221107
 Ion Ratio Lower Upper
 152 100
 115 62.2 44.6 134.0
 150 156.3 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 18.664 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.193 min
 Lab File: VU044122.D
 Acq: 08 Jun 2021 18:53

Tgt Ion: 75 Resp: 115445
 Ion Ratio Lower Upper
 75 100
 77 1.4 16.9 50.6#

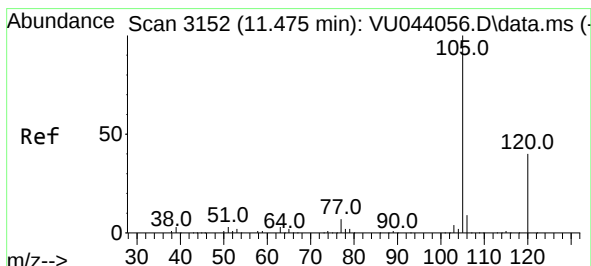
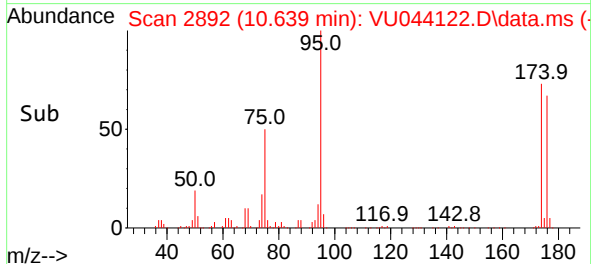
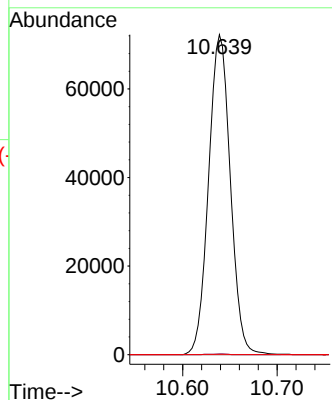
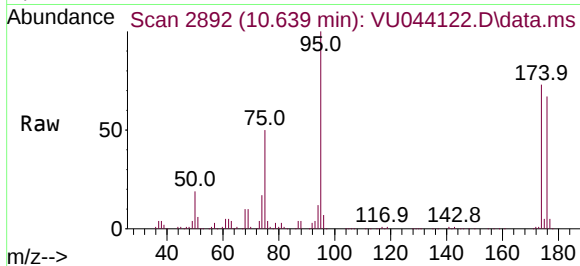




#81
trans-1,4-Dichloro-2-butene
Concen: 54.500 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044122.D
Acq: 08 Jun 2021 18:53

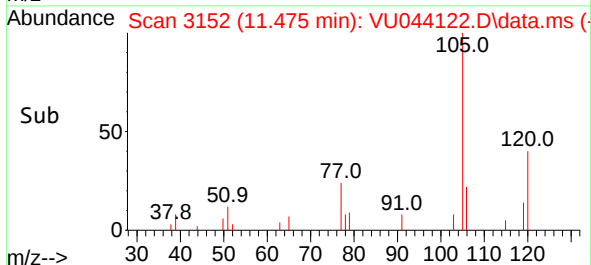
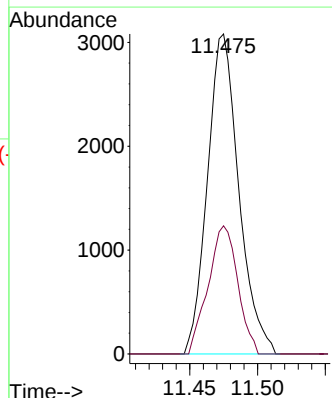
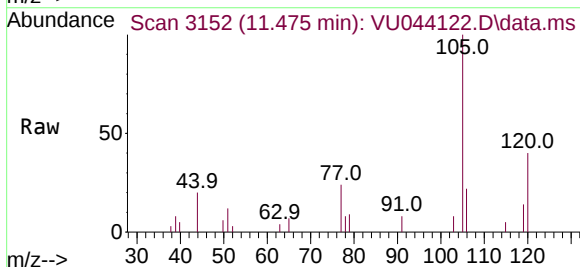
Instrument :
MSVOA_U
ClientSampleId :

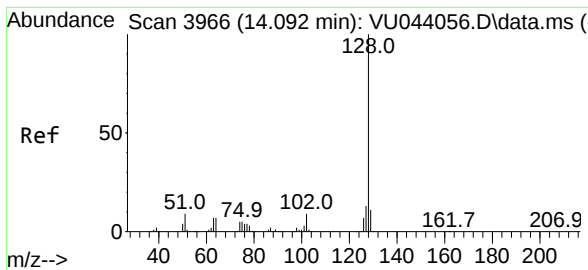
Tgt Ion: 75 Resp: 115445
Ion Ratio Lower Upper
75 100
53 0.2 76.9 115.3#
89 0.0 33.8 50.8#



#84
1,2,4-Trimethylbenzene
Concen: 1.289 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VU044122.D
Acq: 08 Jun 2021 18:53

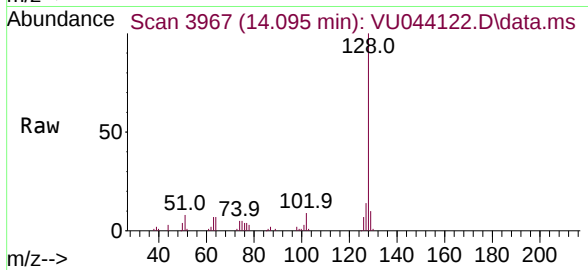
Tgt Ion: 105 Resp: 4959
Ion Ratio Lower Upper
105 100
120 37.7 21.9 65.7





#95
Naphthalene
Concen: 6.565 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU044122.D
Acq: 08 Jun 2021 18:53

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	128	Resp:	59467
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.4
129	10.7	8.7	13.1

