

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061021\
 Data File : VU044162.D
 Acq On : 10 Jun 2021 17:44
 Operator : SY/MD
 Sample : M2651-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 11 01:21:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 10 05:11:37 2021
 Response via : Initial Calibration

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

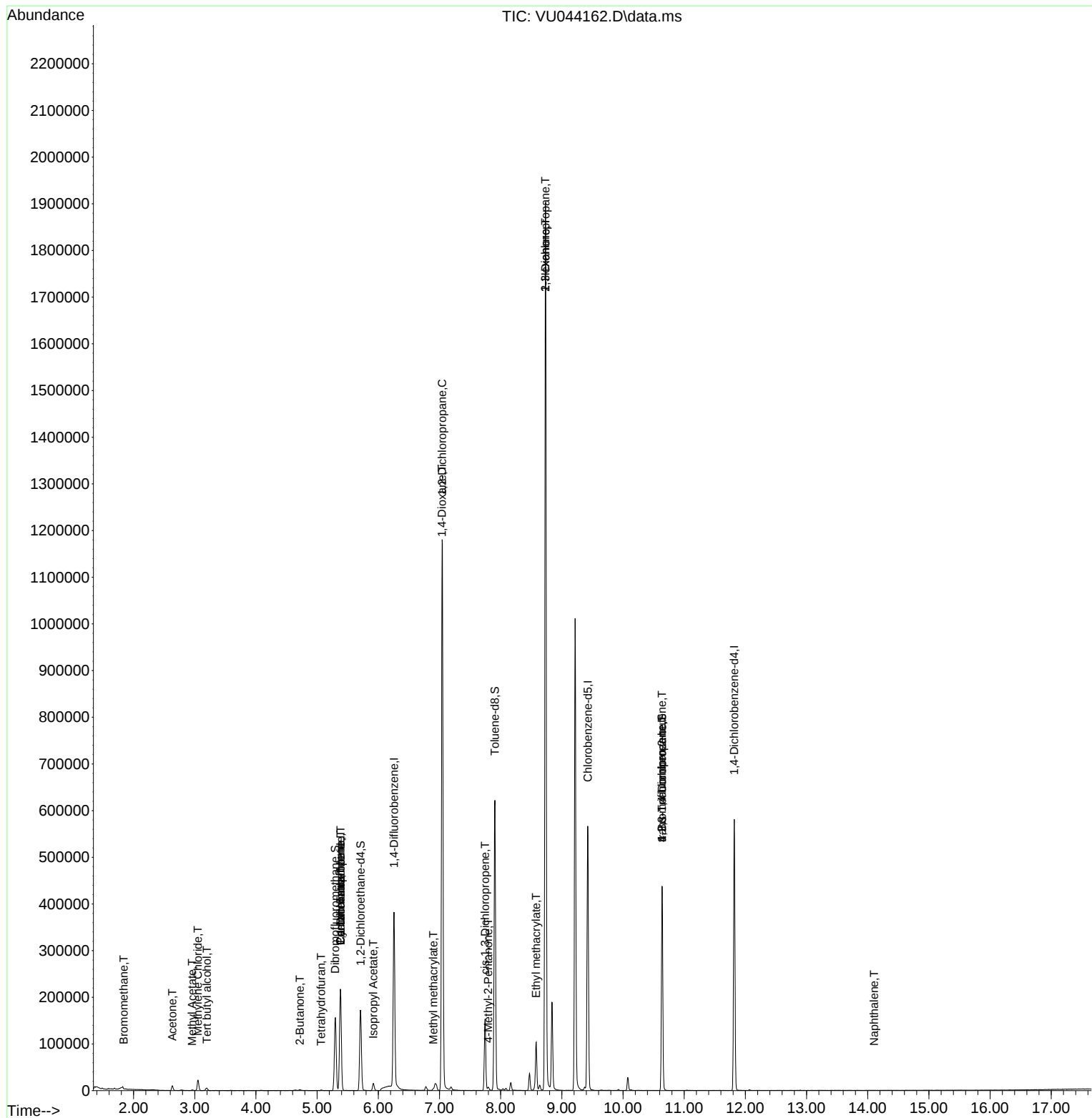
Internal Standards						
1) Pentafluorobenzene	5.382	168	144017	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	292435	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	304200	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	145528	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	127291	55.580	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.160%	
35) Dibromofluoromethane	5.295	113	101327	49.810	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.620%	
50) Toluene-d8	7.906	98	397223	50.844	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.680%	
62) 4-Bromofluorobenzene	10.639	95	147629	47.153	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.300%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	578	Below Cal		96
5) Bromomethane	1.839	94	216	0.216 ug/l		88
6) Chloroethane	1.983	64	134	Below Cal	#	42
11) Tert butyl alcohol	3.199	59	4020	6.525 ug/l	#	73
16) Acetone	2.633	43	11218	7.408 ug/l		96
18) Methyl Acetate	2.957	43	1696	0.576 ug/l	#	78
20) Methylene Chloride	3.051	84	10722	4.094 ug/l		98
25) 2-Butanone	4.716	43	3226	1.688 ug/l		92
29) Tetrahydrofuran	5.067	42	786	0.756 ug/l	#	57
31) Cyclohexane	5.382	56	3186	0.986 ug/l	#	1
36) 1,1-Dichloropropene	5.382	75	12644	3.886 ug/l	#	49
38) Carbon Tetrachloride	5.382	117	15118	5.147 ug/l	#	17
43) Isopropyl Acetate	5.919	43	16182	2.927 ug/l		99
45) 1,2-Dichloropropane	7.044	63	1362	0.520 ug/l	#	43
48) Methyl methacrylate	6.899	41	5742	2.135 ug/l	#	11
49) 1,4-Dioxane	7.041	88	20	0.284 ug/l	#	1
51) 4-Methyl-2-Pentanone	7.797	43	4424	1.106 ug/l		91
54) cis-1,3-Dichloropropene	7.745	75	27206	6.938 ug/l	#	65
56) Ethyl methacrylate	8.581	69	1046	0.285 ug/l	#	1
57) 1,3-Dichloropropane	8.732	76	19407	4.557 ug/l	#	42
59) 2-Hexanone	8.732	43	243665	76.314 ug/l	#	49
76) 1,2,3-Trichloropropane	10.639	75	75070	15.385 ug/l	#	47
81) trans-1,4-Dichloro-2-b...	10.639	75	75070	55.772 ug/l	#	13
95) Naphthalene	14.105	128	225	2.857 ug/l	#	69

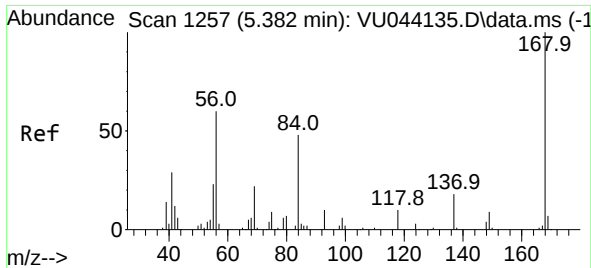
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

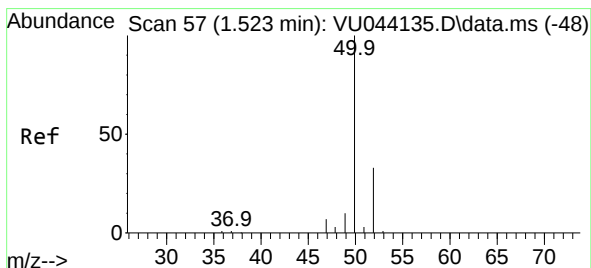
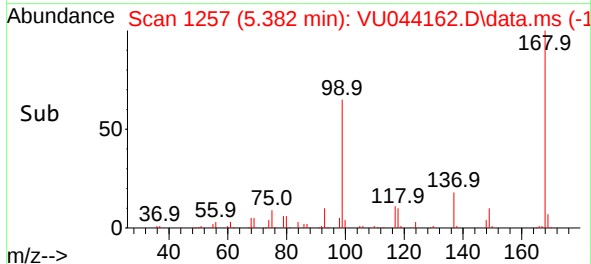
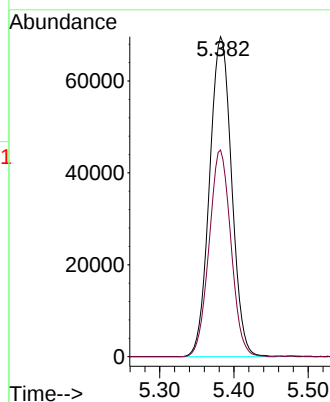
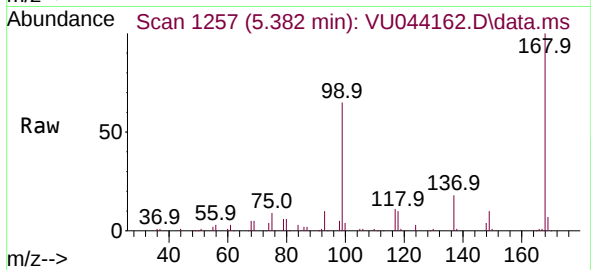




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044162.D
Acq: 10 Jun 2021 17:44

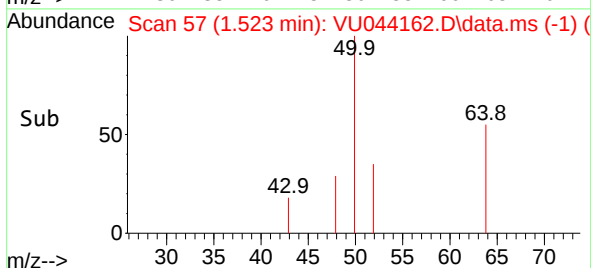
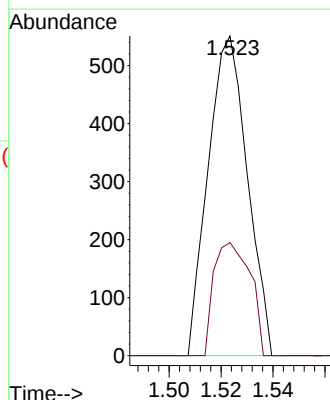
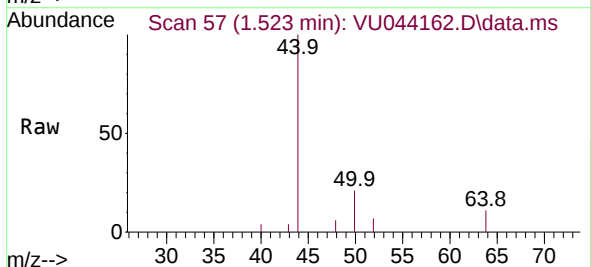
Instrument :
MSVOA_U
ClientSampleId :

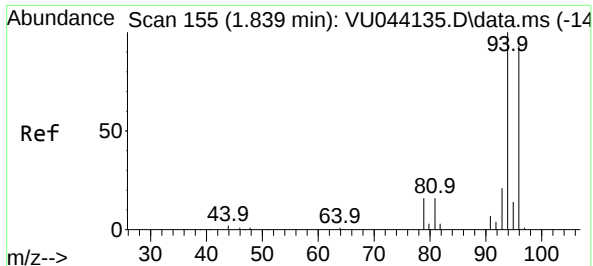
Tgt Ion:168 Resp: 144017
Ion Ratio Lower Upper
168 100
99 64.6 51.3 76.9



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU044162.D
Acq: 10 Jun 2021 17:44

Tgt Ion: 50 Resp: 578
Ion Ratio Lower Upper
50 100
52 35.4 26.6 39.8

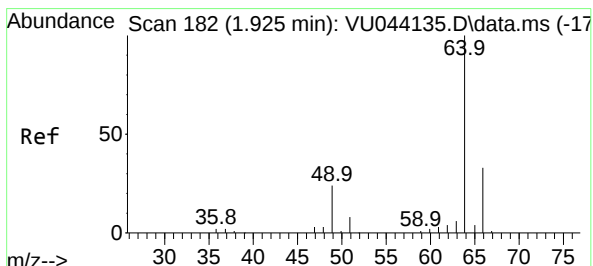
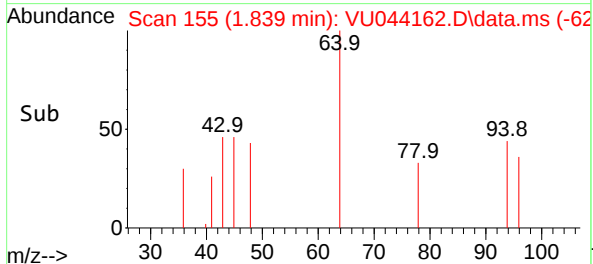
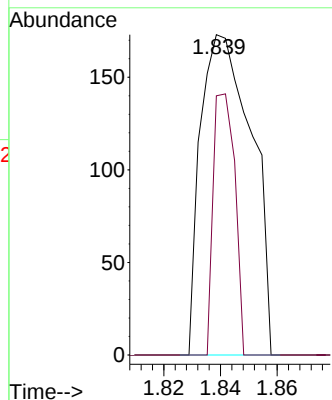
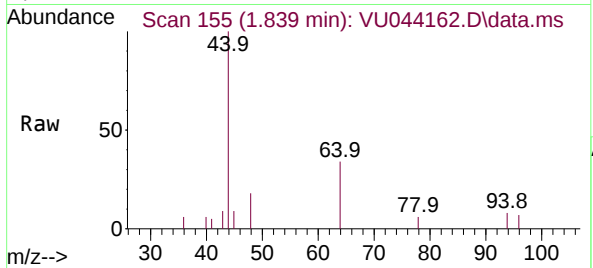




#5
Bromomethane
Concen: 0.216 ug/l
RT: 1.839 min Scan# 155
Delta R.T. -0.000 min
Lab File: VU044162.D
Acq: 10 Jun 2021 17:44

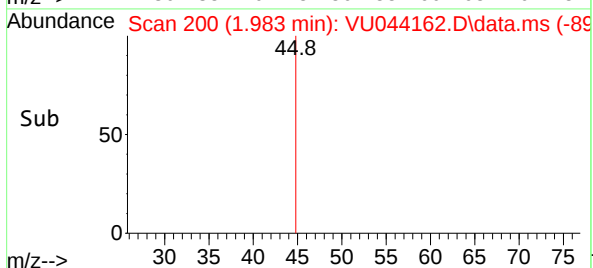
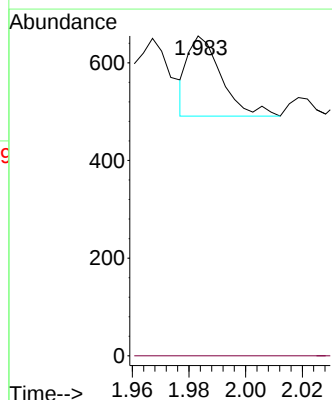
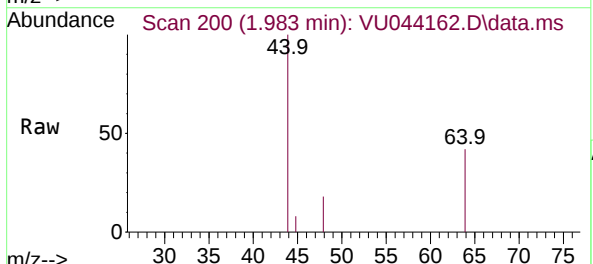
Instrument :
MSVOA_U
ClientSampled :

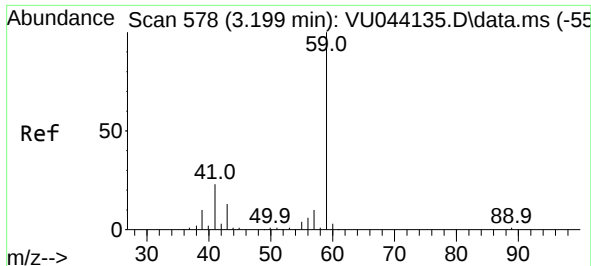
Tgt Ion: 94 Resp: 216
Ion Ratio Lower Upper
94 100
96 80.9 74.1 111.1



#6
Chloroethane
Concen: Below Cal
RT: 1.983 min Scan# 200
Delta R.T. 0.058 min
Lab File: VU044162.D
Acq: 10 Jun 2021 17:44

Tgt Ion: 64 Resp: 134
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#

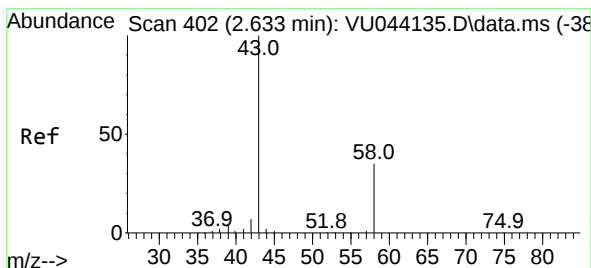
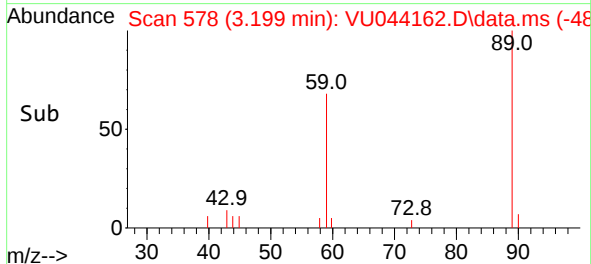
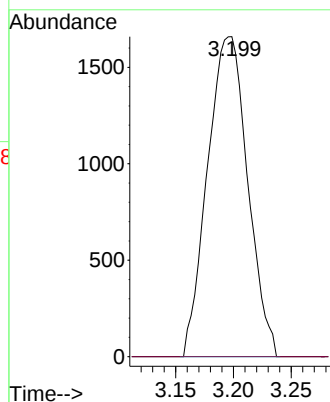
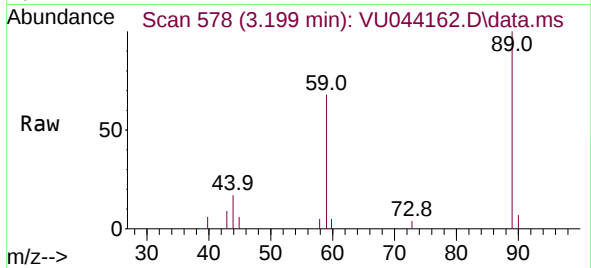




#11
Tert butyl alcohol
Concen: 6.525 ug/l
RT: 3.199 min Scan# 578
Delta R.T. -0.000 min
Lab File: VU044162.D
Acq: 10 Jun 2021 17:44

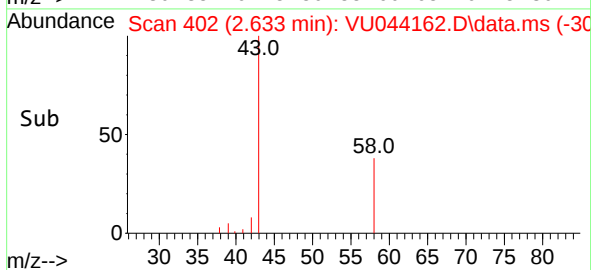
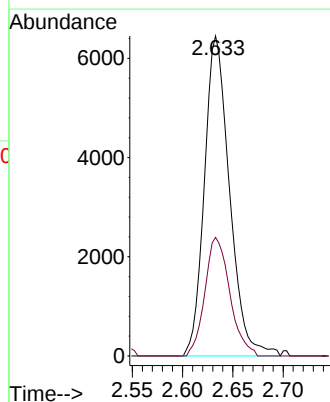
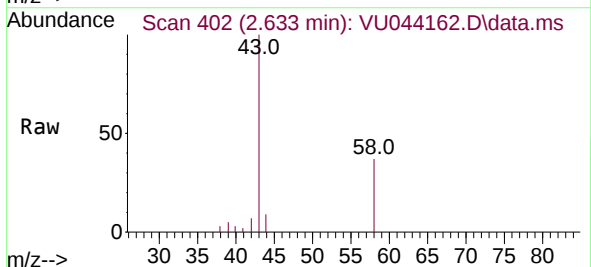
Instrument :
MSVOA_U
ClientSampled :

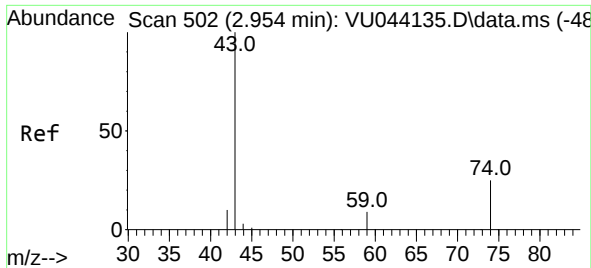
Tgt Ion: 59 Resp: 4020
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#16
Acetone
Concen: 7.408 ug/l
RT: 2.633 min Scan# 402
Delta R.T. -0.000 min
Lab File: VU044162.D
Acq: 10 Jun 2021 17:44

Tgt Ion: 43 Resp: 11218
Ion Ratio Lower Upper
43 100
58 37.1 28.0 42.0

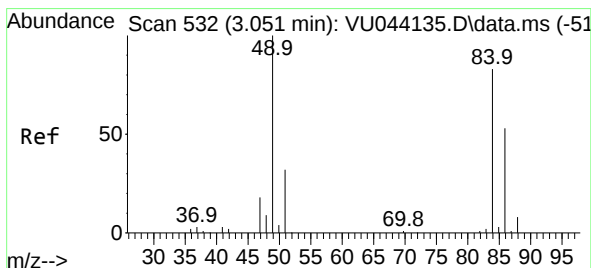
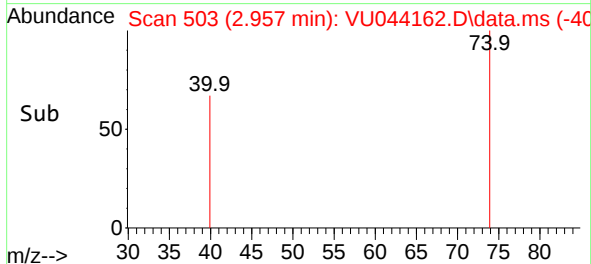
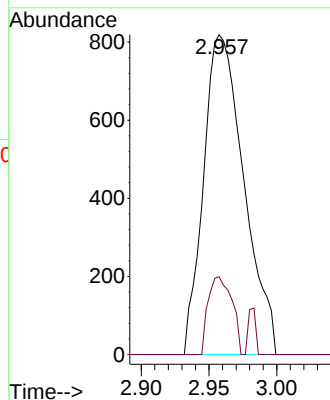
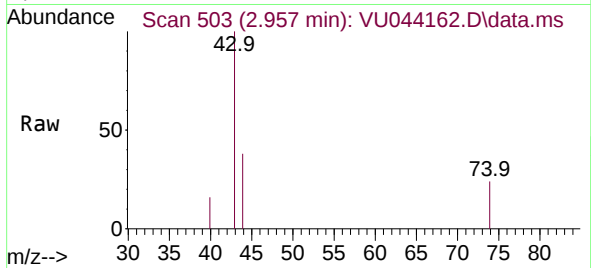




#18
Methyl Acetate
Concen: 0.576 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.003 min
Lab File: VU044162.D
Acq: 10 Jun 2021 17:44

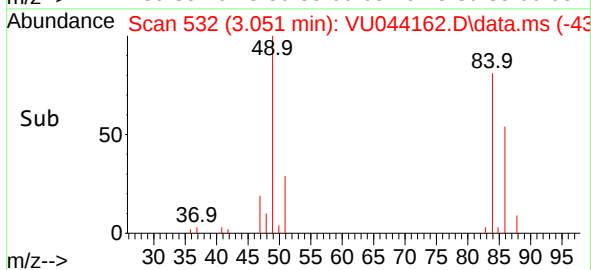
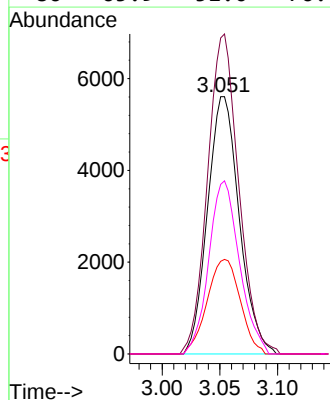
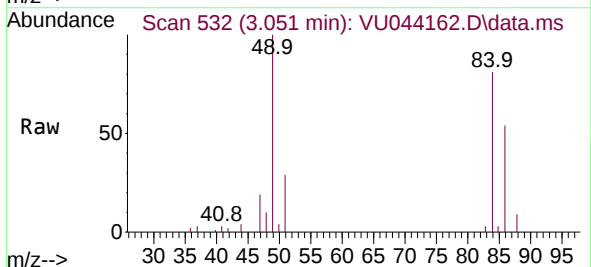
Instrument :
MSVOA_U
ClientSampled :

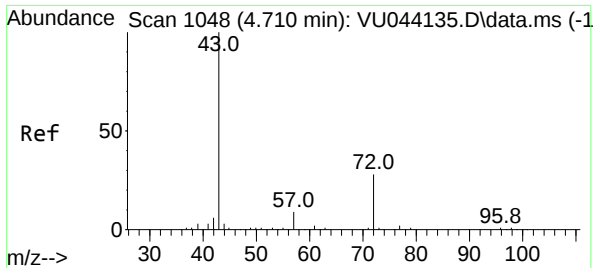
Tgt Ion: 43 Resp: 1696
Ion Ratio Lower Upper
43 100
74 14.3 20.3 30.5#



#20
Methylene Chloride
Concen: 4.094 ug/l
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU044162.D
Acq: 10 Jun 2021 17:44

Tgt Ion: 84 Resp: 10722
Ion Ratio Lower Upper
84 100
49 122.8 96.9 145.3
51 36.0 31.0 46.6
86 65.9 51.0 76.6

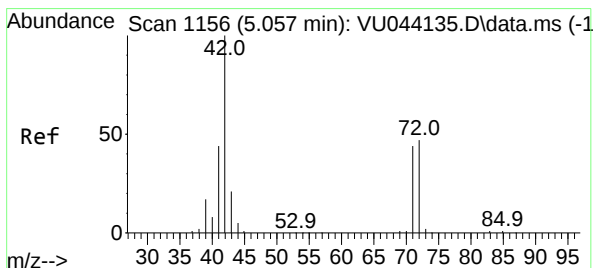
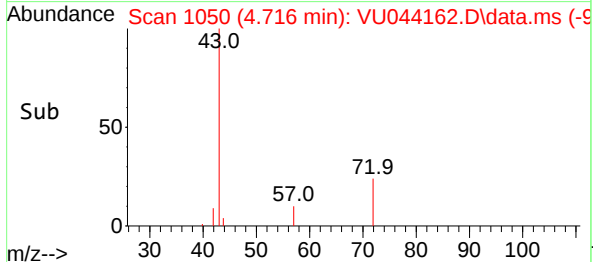
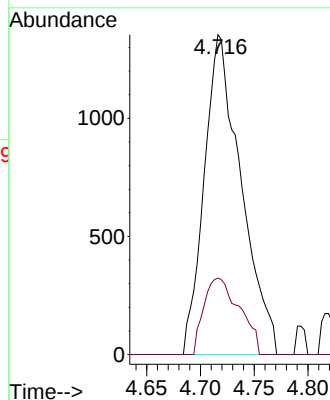
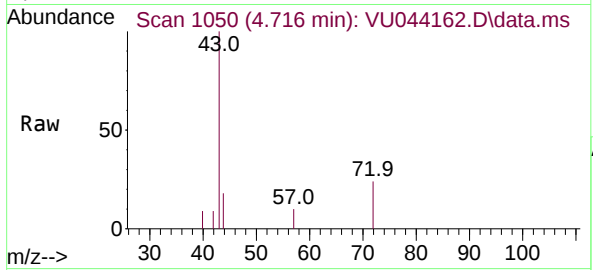




#25
2-Butanone
Concen: 1.688 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. 0.006 min
Lab File: VU044162.D
Acq: 10 Jun 2021 17:44

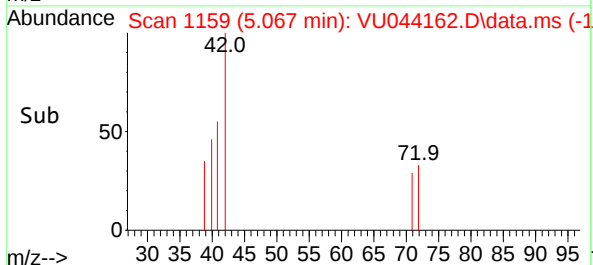
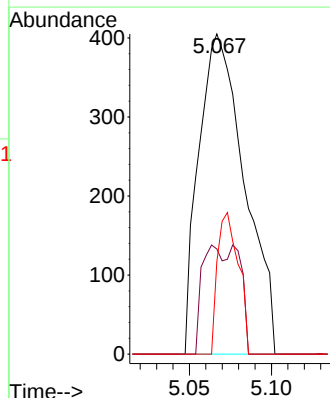
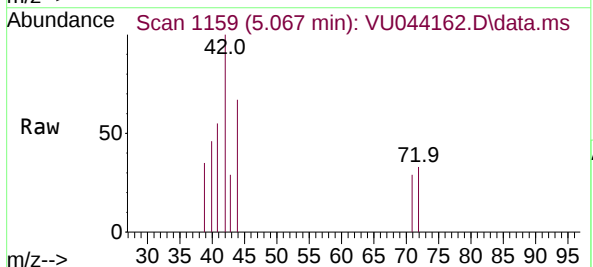
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MSVOA_U
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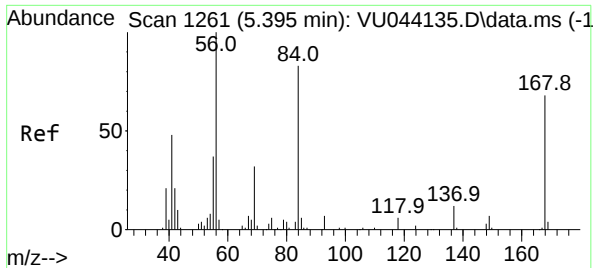
Tgt Ion: 43 Resp: 3226
Ion Ratio Lower Upper
43 100
72 23.9 22.6 33.8



#29
Tetrahydrofuran
Concen: 0.756 ug/l
RT: 5.067 min Scan# 1159
Delta R.T. 0.010 min
Lab File: VU044162.D
Acq: 10 Jun 2021 17:44

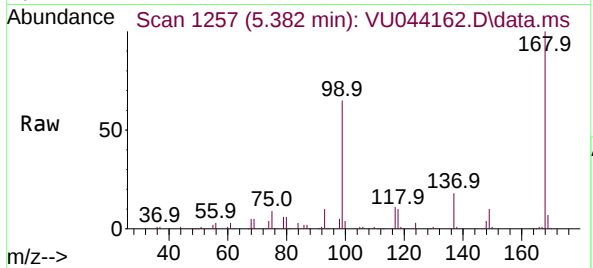
Tgt Ion: 42 Resp: 786
Ion Ratio Lower Upper
42 100
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71 20.1 35.5 53.3#



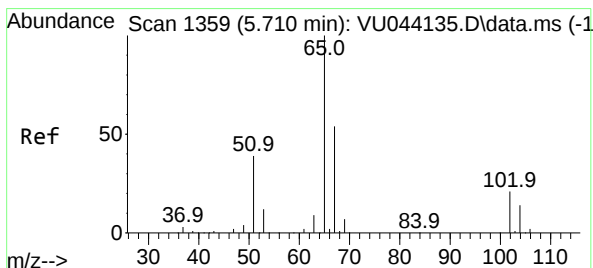
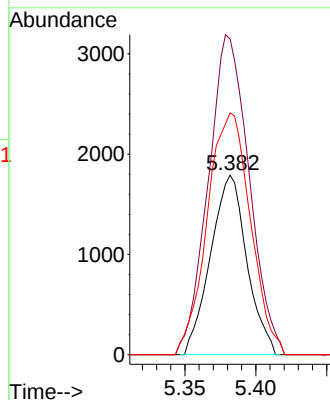
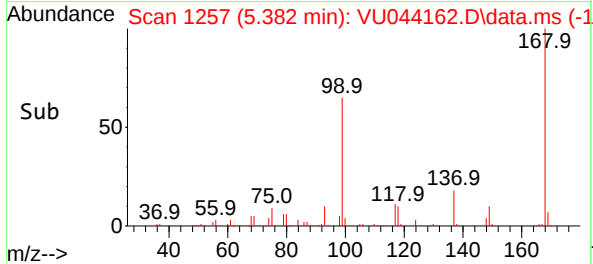


#31
Cyclohexane
Concen: 0.986 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.013 min
Lab File: VU044162.D
Acq: 10 Jun 2021 17:44

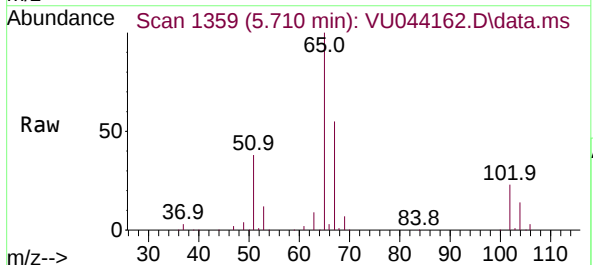
Instrument :
MSVOA_U
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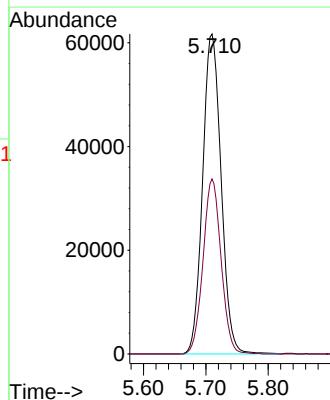
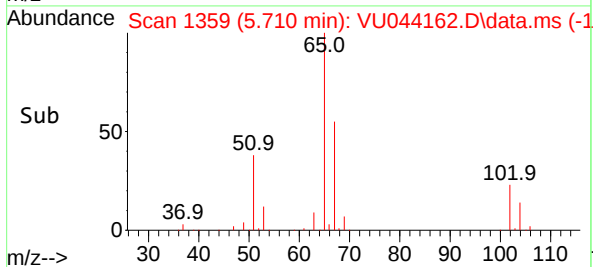
Tgt Ion: 56 Resp: 3186
Ion Ratio Lower Upper
56 100
69 169.4 25.5 38.3#
84 128.7 66.3 99.5#

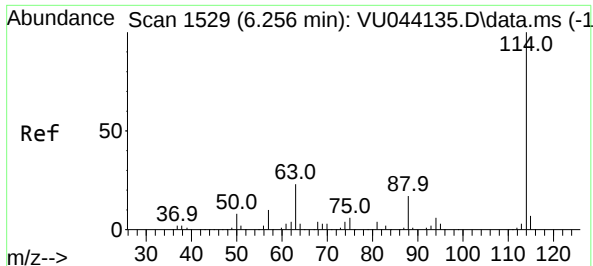


#33
1,2-Dichloroethane-d4
Concen: 55.580 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044162.D
Acq: 10 Jun 2021 17:44



Tgt Ion: 65 Resp: 127291
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.6

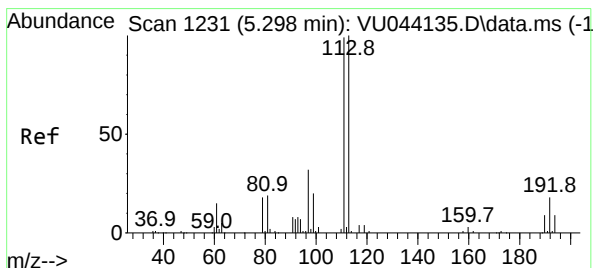
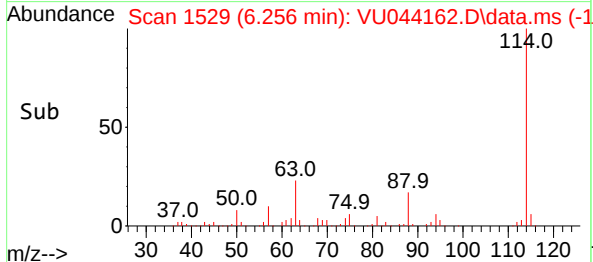
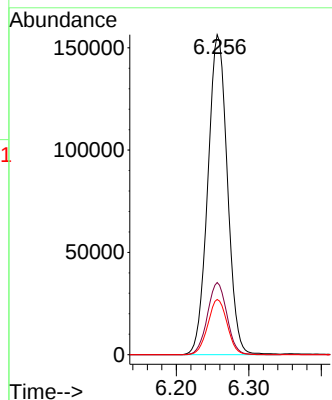
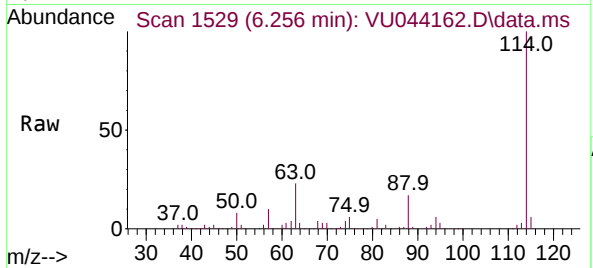




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044162.D
Acq: 10 Jun 2021 17:44

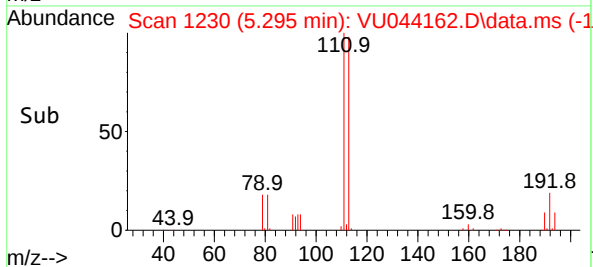
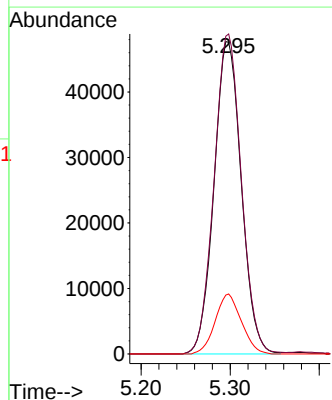
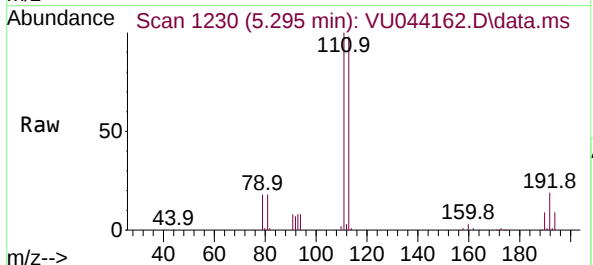
Instrument :
MSVOA_U
ClientSampleId :

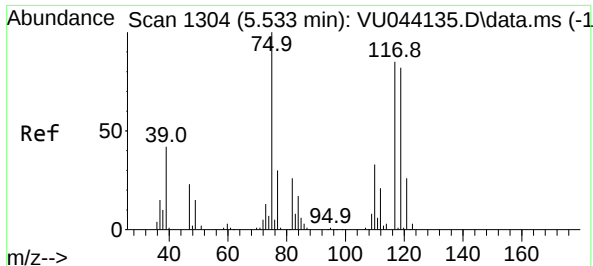
Tgt Ion:114 Resp: 292435
Ion Ratio Lower Upper
114 100
63 22.5 0.0 45.8
88 17.3 0.0 34.0



#35
Dibromofluoromethane
Concen: 49.810 ug/l
RT: 5.295 min Scan# 1230
Delta R.T. -0.003 min
Lab File: VU044162.D
Acq: 10 Jun 2021 17:44

Tgt Ion:113 Resp: 101327
Ion Ratio Lower Upper
113 100
111 102.6 81.0 121.4
192 18.4 14.3 21.5





#36

1,1-Dichloropropene

Concen: 3.886 ug/l

RT: 5.382 min Scan# 1257

Delta R.T. -0.151 min

Lab File: VU044162.D

Acq: 10 Jun 2021 17:44

Tgt Ion: 75 Resp: 12644

Ion Ratio Lower Upper

75 100

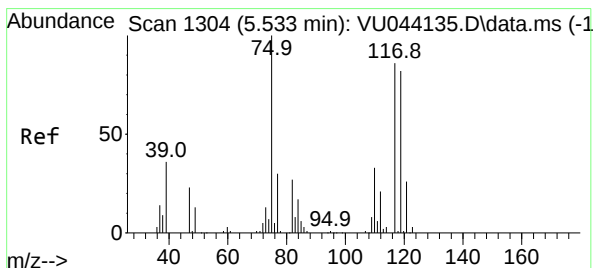
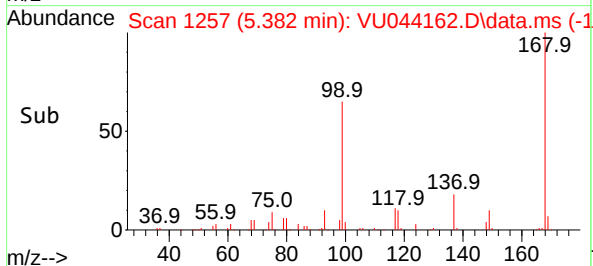
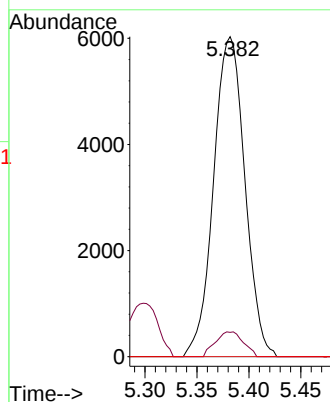
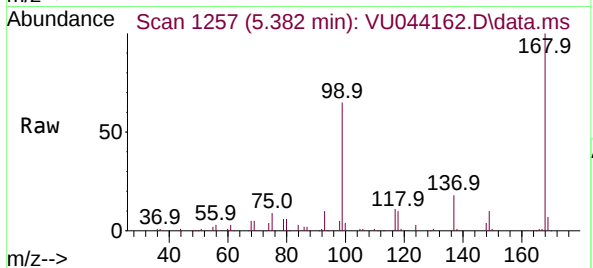
110 6.9 16.4 49.4#

77 0.0 24.7 37.1#

Instrument :

MSVOA_U

ClientSampled :



#38

Carbon Tetrachloride

Concen: 5.147 ug/l

RT: 5.382 min Scan# 1257

Delta R.T. -0.151 min

Lab File: VU044162.D

Acq: 10 Jun 2021 17:44

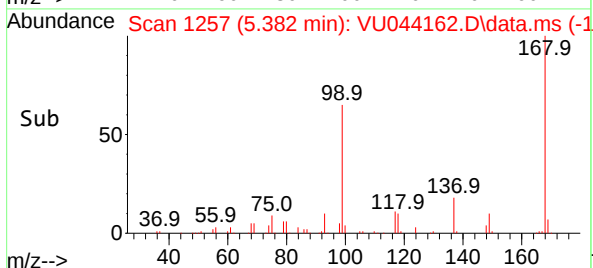
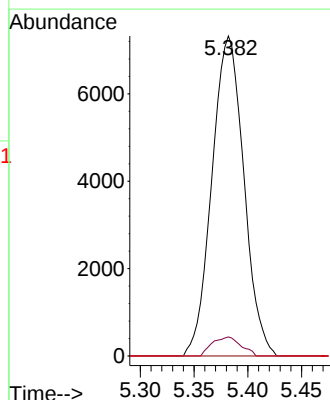
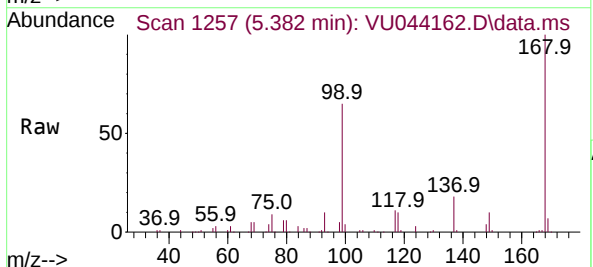
Tgt Ion: 117 Resp: 15118

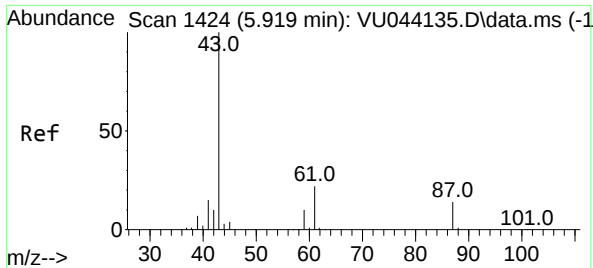
Ion Ratio Lower Upper

117 100

119 6.0 76.6 114.8#

121 0.0 24.6 36.8#

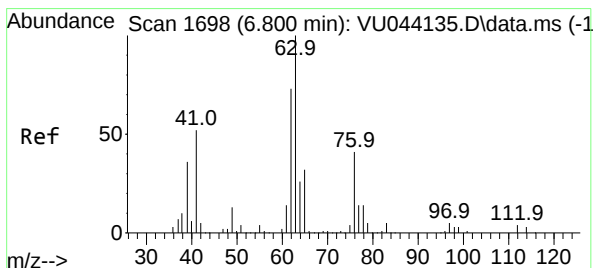
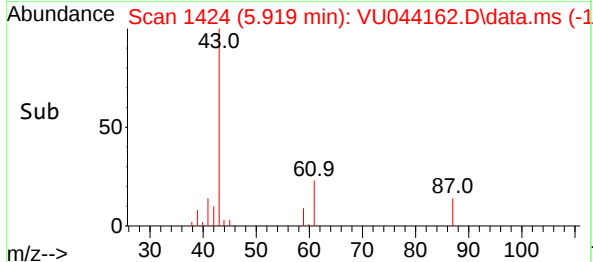
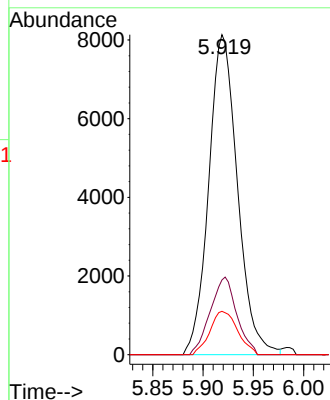
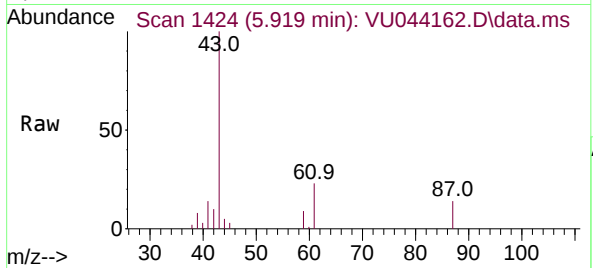




#43
Isopropyl Acetate
Concen: 2.927 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. -0.000 min
Lab File: VU044162.D
Acq: 10 Jun 2021 17:44

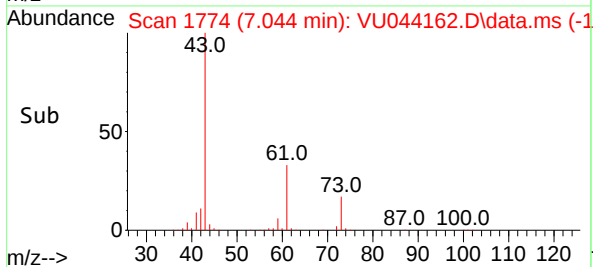
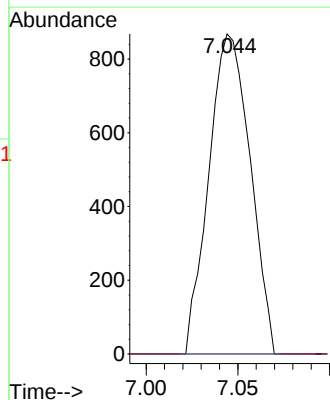
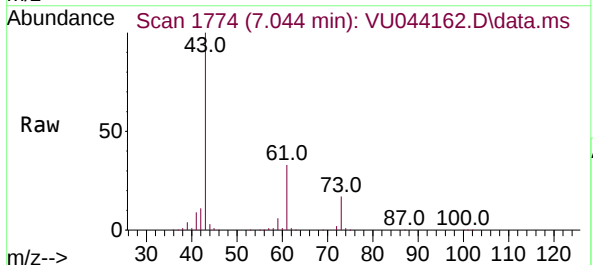
Instrument :
MSVOA_U
ClientSampled :

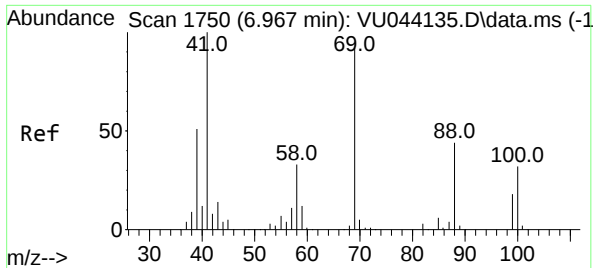
Tgt Ion: 43	Resp: 16182
Ion Ratio	Lower Upper
43 100	
61 22.3	17.8 26.8
87 13.1	11.1 16.7



#45
1,2-Dichloropropane
Concen: 0.520 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.244 min
Lab File: VU044162.D
Acq: 10 Jun 2021 17:44

Tgt Ion: 63	Resp: 1362
Ion Ratio	Lower Upper
63 100	
65 0.0	25.7 38.5#

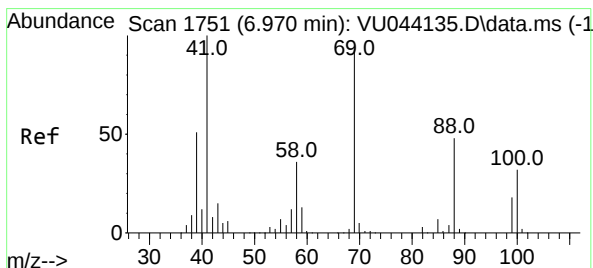
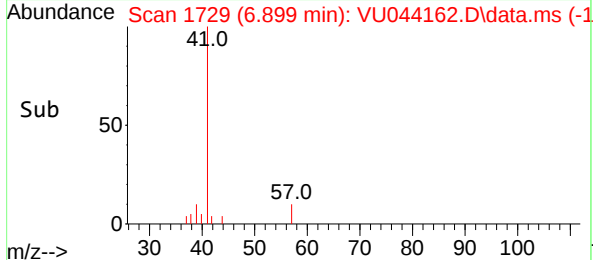
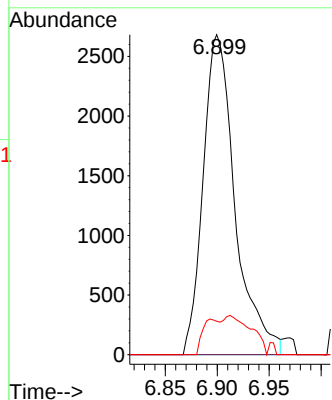
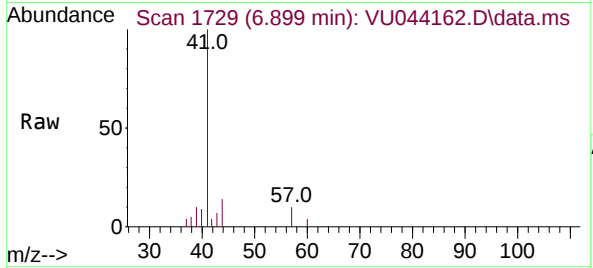




#48
Methyl methacrylate
Concen: 2.135 ug/l
RT: 6.899 min Scan# 1729
Delta R.T. -0.068 min
Lab File: VU044162.D
Acq: 10 Jun 2021 17:44

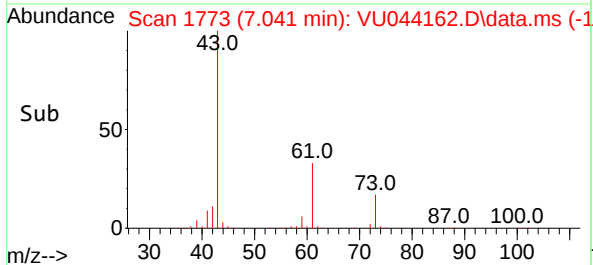
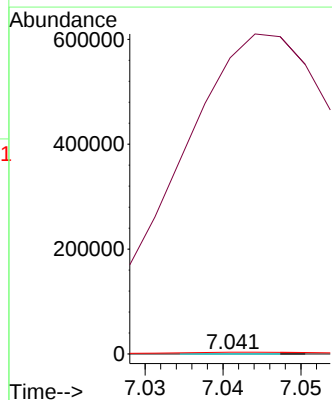
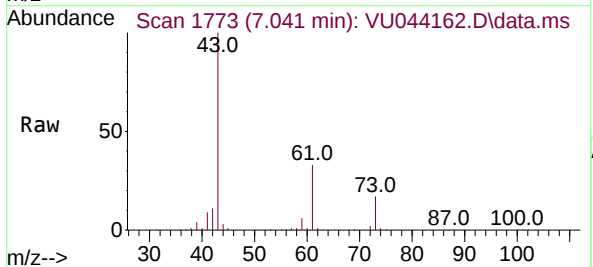
Instrument :
MSVOA_U
ClientSampled :

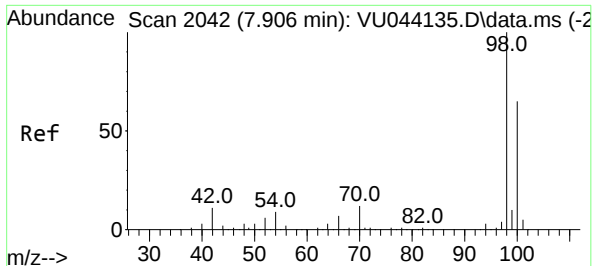
Tgt Ion: 41 Resp: 5742
Ion Ratio Lower Upper
41 100
69 0.0 74.0 111.0#
39 0.0 41.5 62.3#



#49
1,4-Dioxane
Concen: 0.284 ug/l
RT: 7.041 min Scan# 1773
Delta R.T. 0.071 min
Lab File: VU044162.D
Acq: 10 Jun 2021 17:44

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 5223175.0 23.4 35.0#
58 29780.0 58.1 87.1#





#50

Toluene-d8

Concen: 50.844 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU044162.D

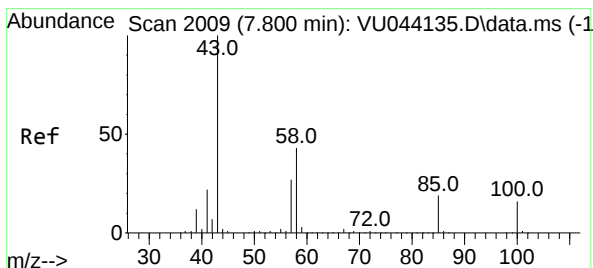
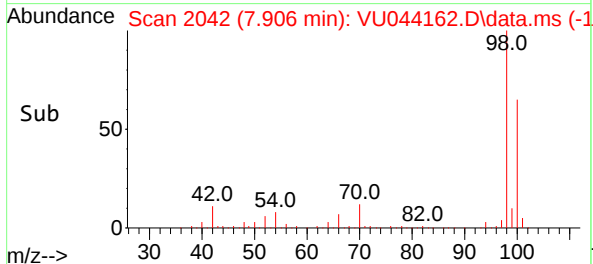
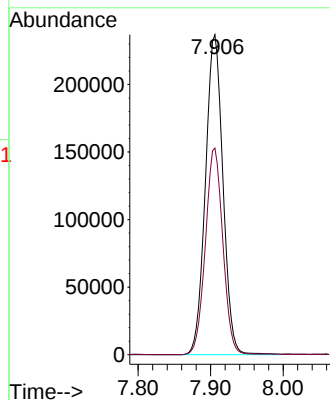
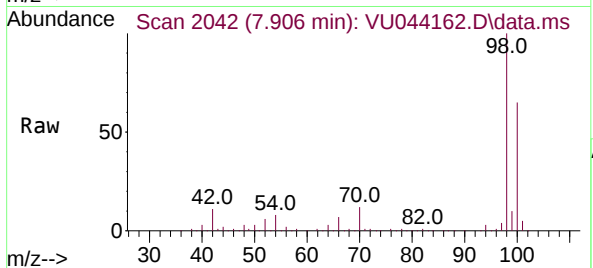
Acq: 10 Jun 2021 17:44

Tgt Ion: 98 Resp: 397223

Ion Ratio Lower Upper

98 100

100 64.4 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 1.106 ug/l

RT: 7.797 min Scan# 2008

Delta R.T. -0.003 min

Lab File: VU044162.D

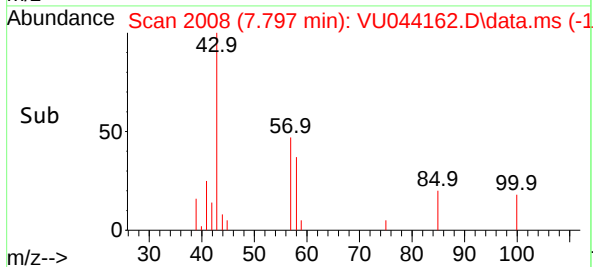
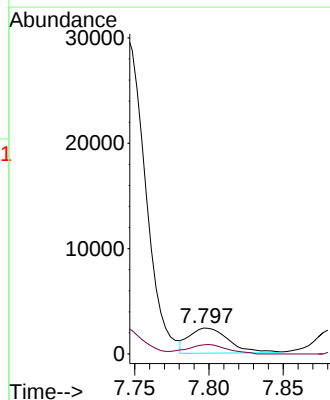
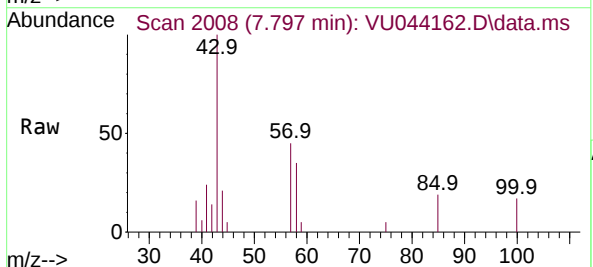
Acq: 10 Jun 2021 17:44

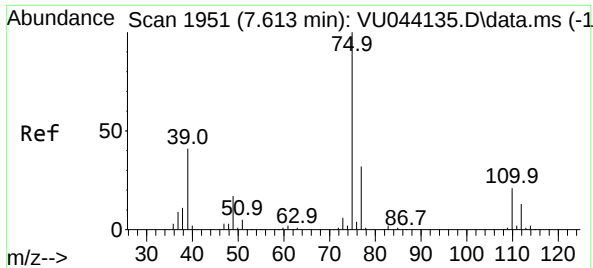
Tgt Ion: 43 Resp: 4424

Ion Ratio Lower Upper

43 100

58 37.3 34.5 51.7

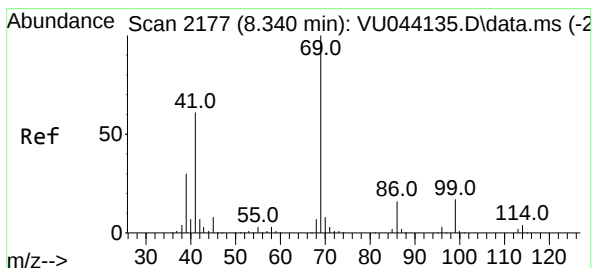
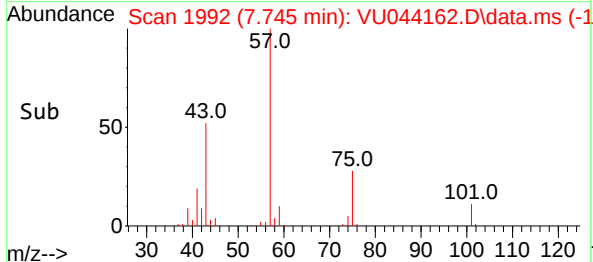
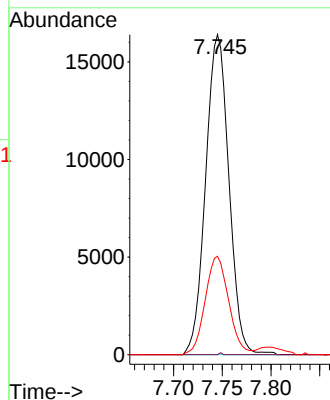
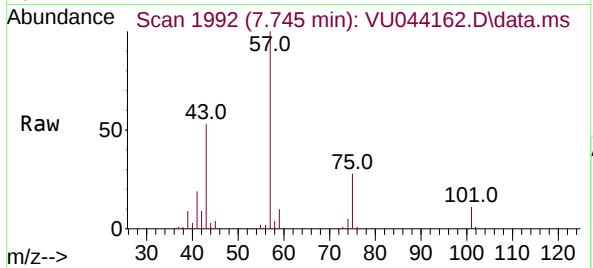




#54
 cis-1,3-Dichloropropene
 Concen: 6.938 ug/l
 RT: 7.745 min Scan# 1992
 Delta R.T. 0.132 min
 Lab File: VU044162.D
 Acq: 10 Jun 2021 17:44

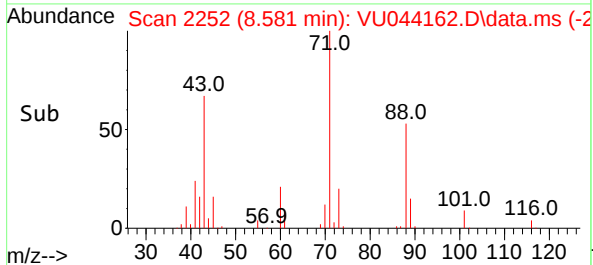
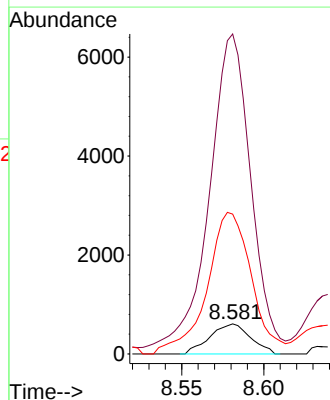
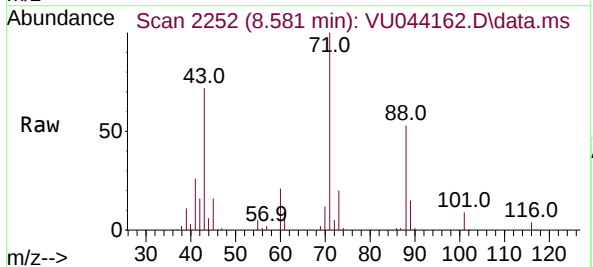
Instrument :
 MSVOA_U
 ClientSampled :

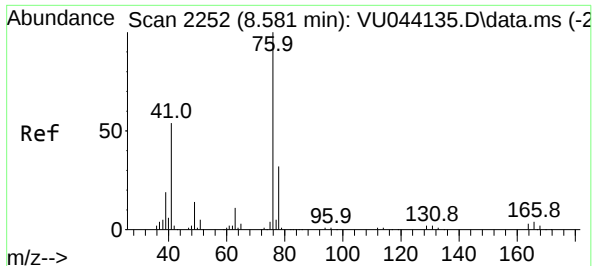
Tgt Ion: 75 Resp: 27206
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.9 38.9#
 39 30.8 33.2 49.8#



#56
 Ethyl methacrylate
 Concen: 0.285 ug/l
 RT: 8.581 min Scan# 2252
 Delta R.T. 0.241 min
 Lab File: VU044162.D
 Acq: 10 Jun 2021 17:44

Tgt Ion: 69 Resp: 1046
 Ion Ratio Lower Upper
 69 100
 41 1041.9 48.4 72.6#
 39 513.7 23.6 35.4#



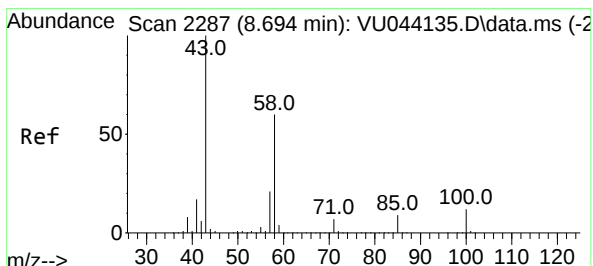
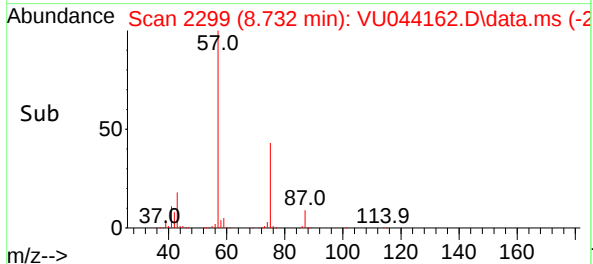
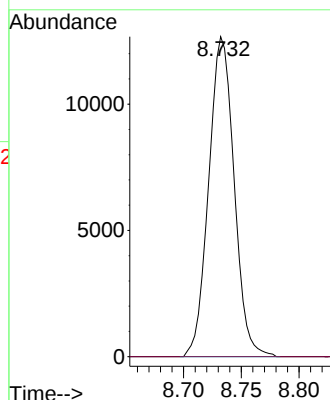
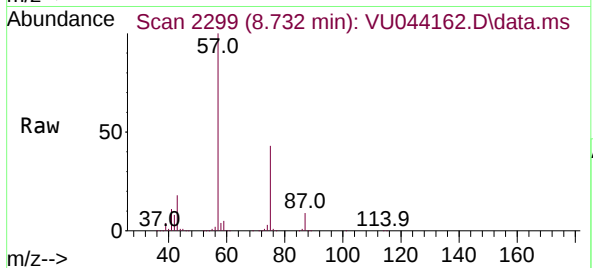


#57

1,3-Dichloropropane
Concen: 4.557 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU044162.D
Acq: 10 Jun 2021 17:44

Instrument :
MSVOA_U
ClientSampled :

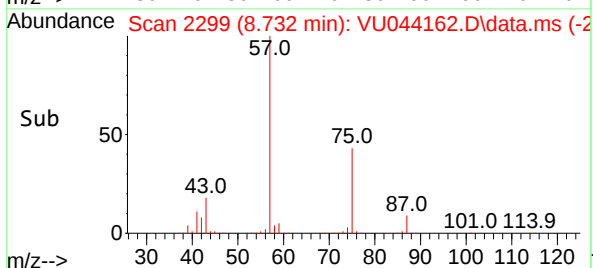
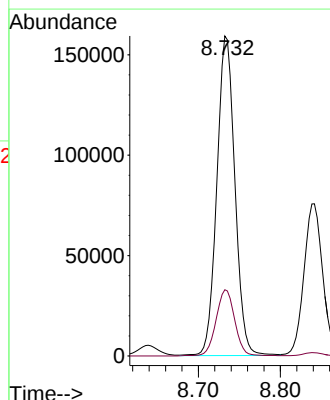
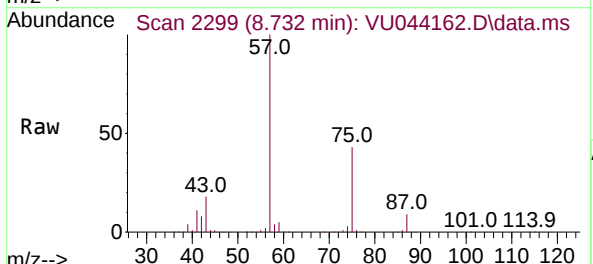
Tgt Ion: 76 Resp: 19407
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

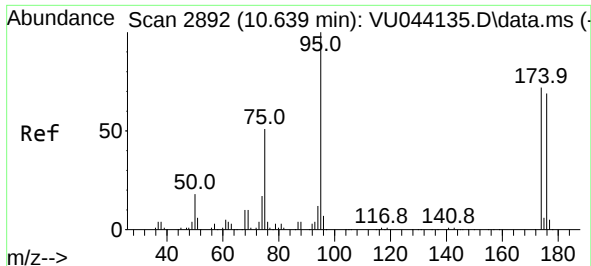


#59

2-Hexanone
Concen: 76.314 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.038 min
Lab File: VU044162.D
Acq: 10 Jun 2021 17:44

Tgt Ion: 43 Resp: 243665
Ion Ratio Lower Upper
43 100
58 21.6 30.0 90.1#

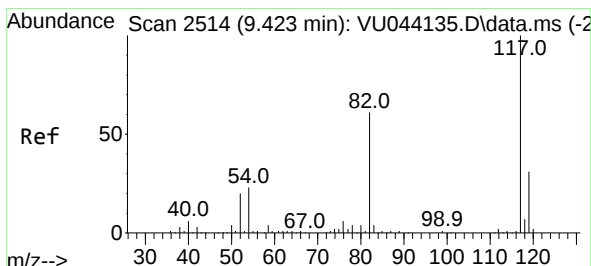
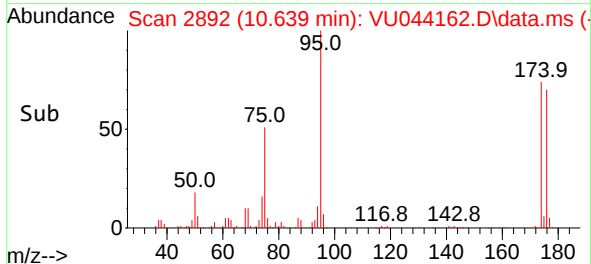
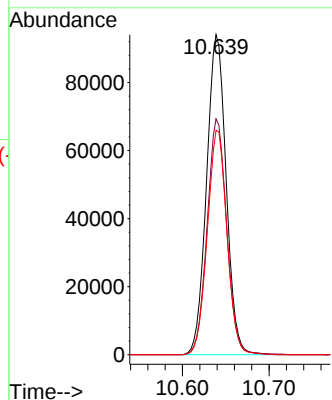
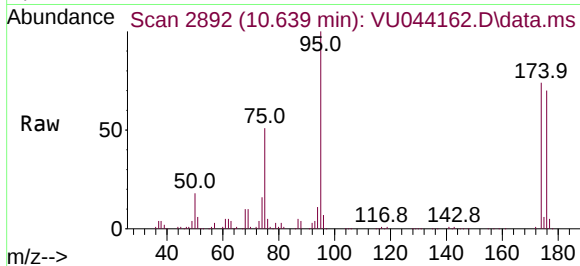




#62
4-Bromofluorobenzene
Concen: 47.153 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044162.D
Acq: 10 Jun 2021 17:44

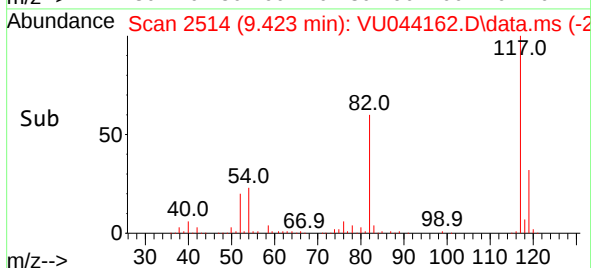
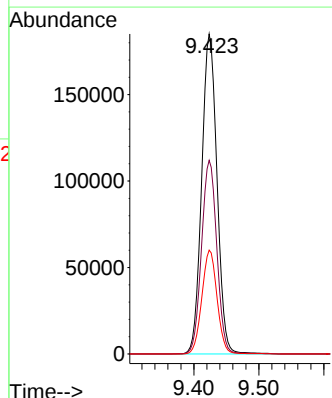
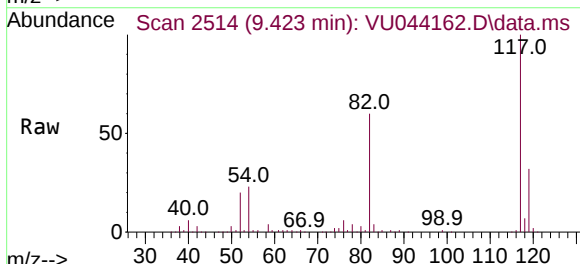
Instrument :
MSVOA_U
ClientSampleId :

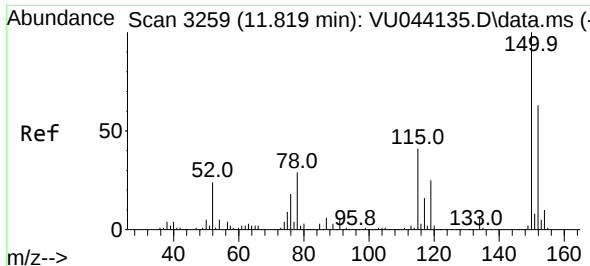
Tgt Ion: 95 Resp: 147629
Ion Ratio Lower Upper
95 100
174 73.8 0.0 144.4
176 70.4 0.0 138.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044162.D
Acq: 10 Jun 2021 17:44

Tgt Ion: 117 Resp: 304200
Ion Ratio Lower Upper
117 100
82 60.5 48.8 73.2
119 32.5 25.0 37.6

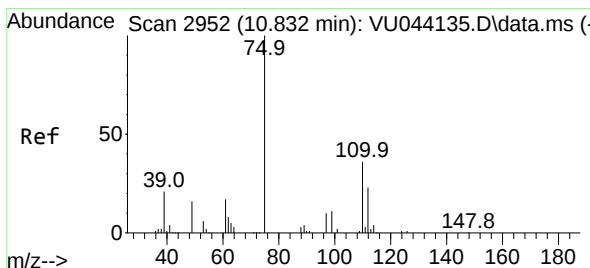
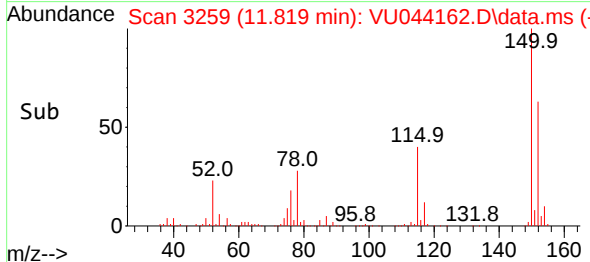
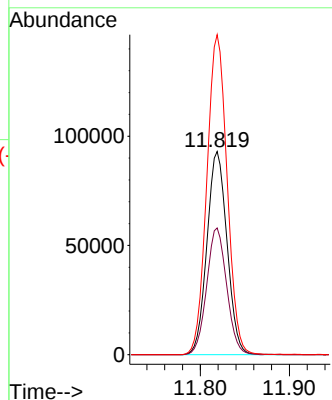
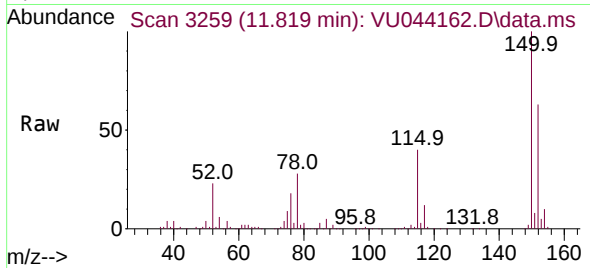




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. 0.000 min
 Lab File: VU044162.D
 Acq: 10 Jun 2021 17:44

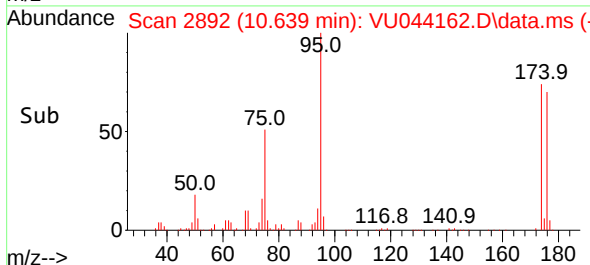
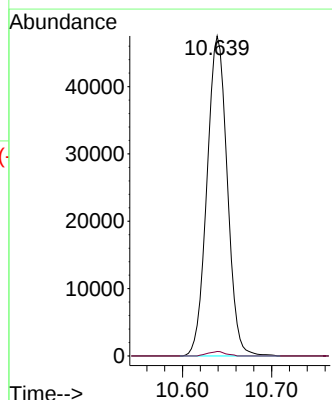
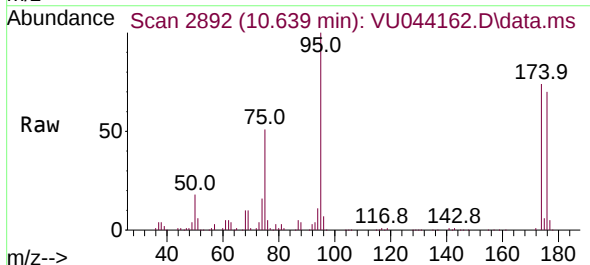
Instrument :
 MSVOA_U
 ClientSampled :

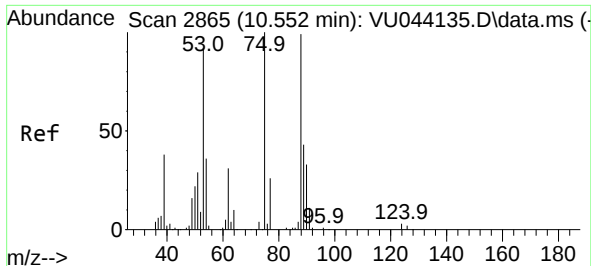
Tgt Ion:152 Resp: 145528
 Ion Ratio Lower Upper
 152 100
 115 62.0 43.8 131.3
 150 158.6 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 15.385 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.193 min
 Lab File: VU044162.D
 Acq: 10 Jun 2021 17:44

Tgt Ion: 75 Resp: 75070
 Ion Ratio Lower Upper
 75 100
 77 1.2 14.9 44.5#

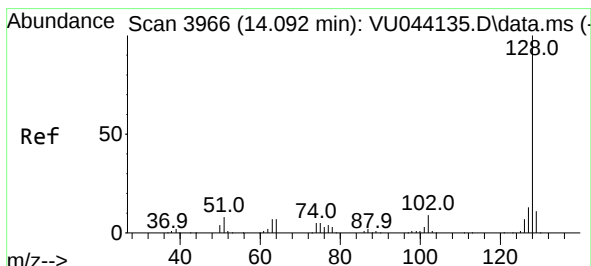
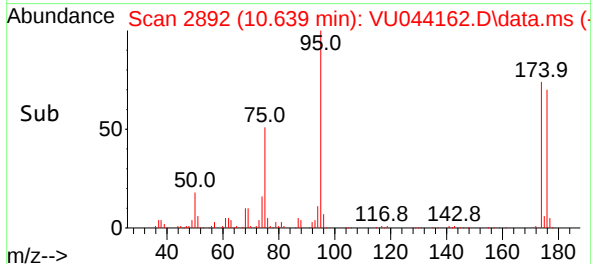
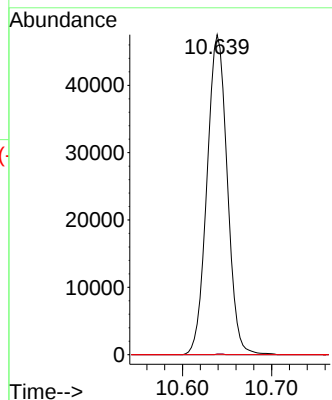
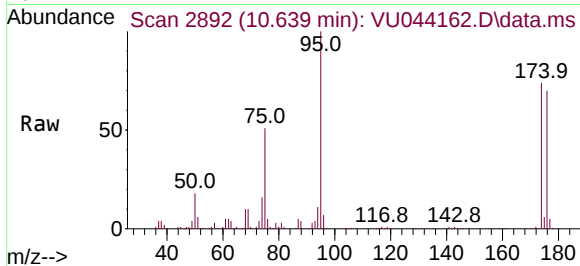




#81
trans-1,4-Dichloro-2-butene
Concen: 55.772 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044162.D
Acq: 10 Jun 2021 17:44

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 75070
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.2#
89 0.0 35.0 52.6#



#95
Naphthalene
Concen: 2.857 ug/l
RT: 14.105 min Scan# 3970
Delta R.T. 0.013 min
Lab File: VU044162.D
Acq: 10 Jun 2021 17:44

Tgt Ion:128 Resp: 225
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

