

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061021\
 Data File : VU044159.D
 Acq On : 10 Jun 2021 16:34
 Operator : SY/MD
 Sample : M2651-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 11 01:21:01 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)

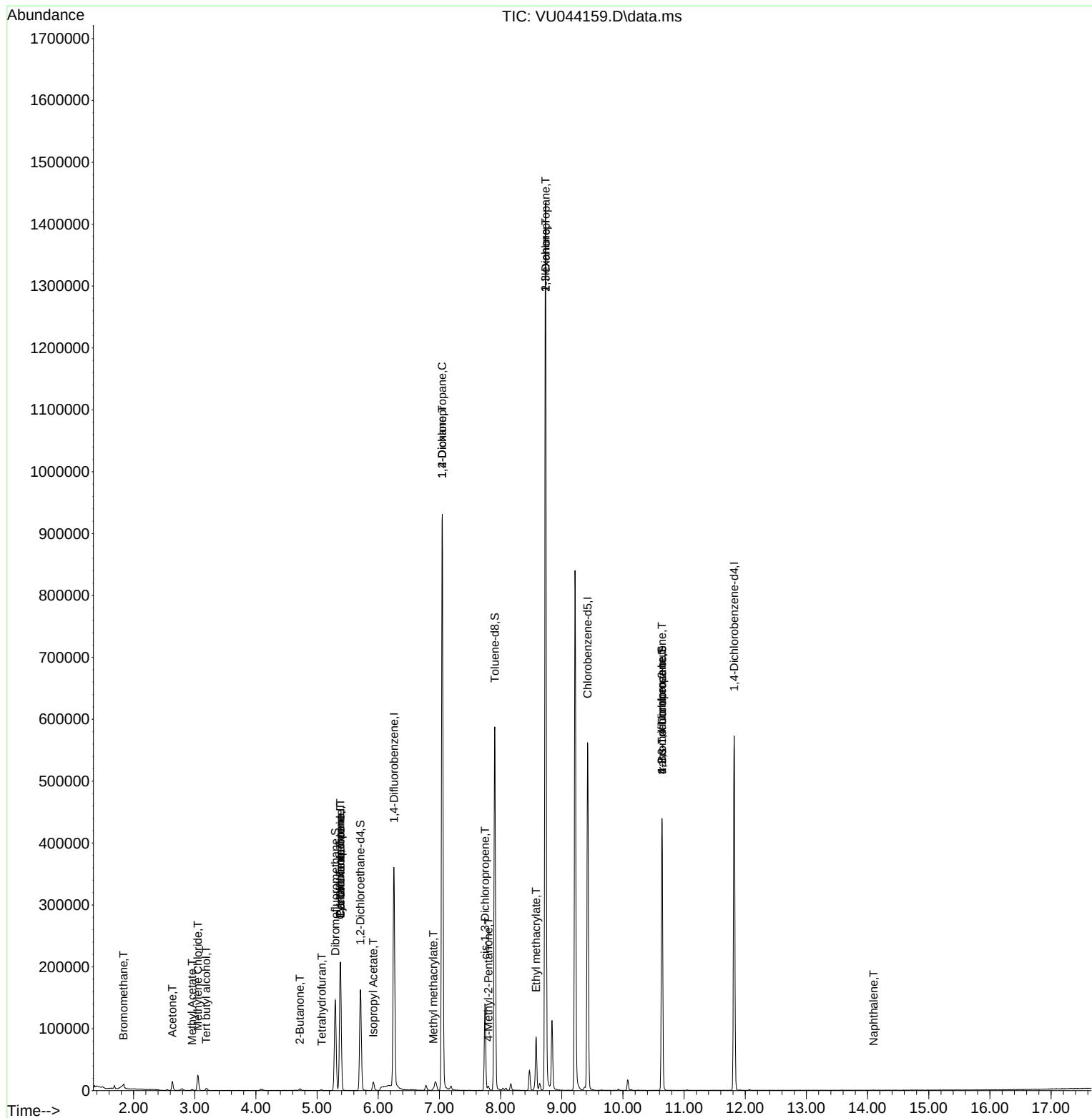
Internal Standards						
1) Pentafluorobenzene	5.382	168	135680	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	274714	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	297587	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	144757	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	120170	55.695	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.380%	
35) Dibromofluoromethane	5.298	113	94730	49.571	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.140%	
50) Toluene-d8	7.906	98	377034	51.373	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.740%	
62) 4-Bromofluorobenzene	10.639	95	147928	50.296	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.600%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	594	Below Cal		94
5) Bromomethane	1.835	94	218	0.231 ug/l #		57
6) Chloroethane	1.922	64	148	Below Cal #		42
11) Tert butyl alcohol	3.189	59	2574	4.435 ug/l #		73
16) Acetone	2.636	43	16252	12.554 ug/l		99
18) Methyl Acetate	2.957	43	2397	0.864 ug/l		91
20) Methylene Chloride	3.050	84	12198	5.199 ug/l		98
25) 2-Butanone	4.719	43	4449	2.470 ug/l		98
29) Tetrahydrofuran	5.076	42	774	0.791 ug/l #		77
31) Cyclohexane	5.378	56	3087	1.014 ug/l #		1
36) 1,1-Dichloropropene	5.382	75	12074	3.950 ug/l #		49
38) Carbon Tetrachloride	5.382	117	14483	5.249 ug/l #		18
43) Isopropyl Acetate	5.919	43	14955	2.880 ug/l		96
45) 1,2-Dichloropropane	7.044	63	1169	0.475 ug/l #		43
48) Methyl methacrylate	6.899	41	5276	2.088 ug/l #		11
49) 1,4-Dioxane	7.044	88	40	0.605 ug/l #		1
51) 4-Methyl-2-Pentanone	7.799	43	4450	1.184 ug/l		90
54) cis-1,3-Dichloropropene	7.745	75	25215	6.845 ug/l #		64
56) Ethyl methacrylate	8.581	69	1014	0.294 ug/l #		1
57) 1,3-Dichloropropane	8.735	76	14410	3.602 ug/l #		42
59) 2-Hexanone	8.735	43	185151	61.728 ug/l #		49
76) 1,2,3-Trichloropropane	10.639	75	75545	15.565 ug/l #		47
81) trans-1,4-Dichloro-2-b...	10.639	75	75545	56.424 ug/l #		13
95) Naphthalene	14.098	128	222	2.856 ug/l #		69

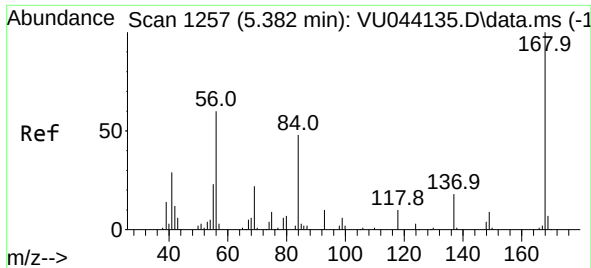
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

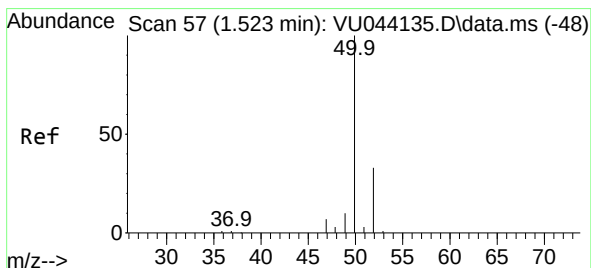
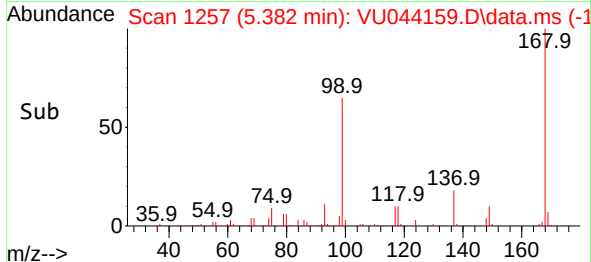
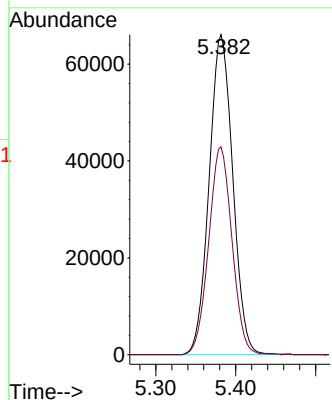
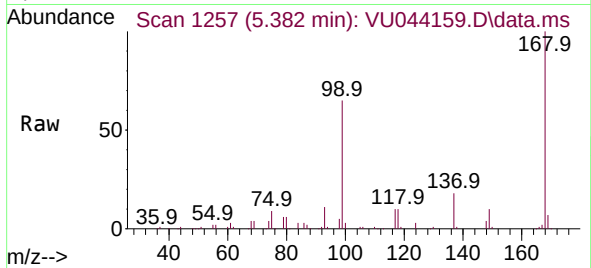




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044159.D
Acq: 10 Jun 2021 16:34

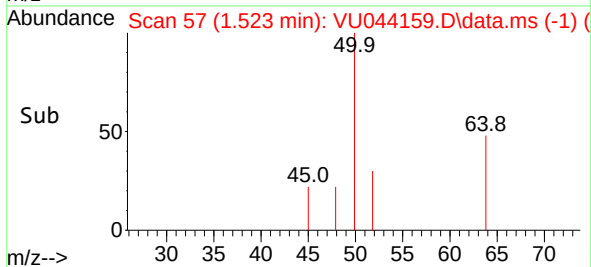
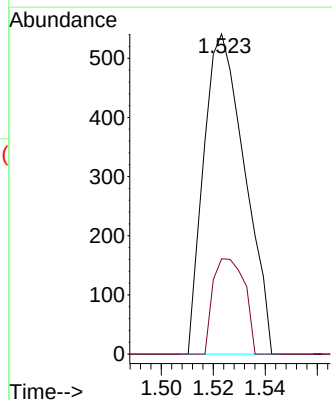
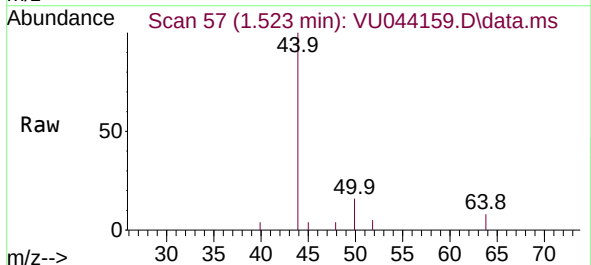
Instrument :
MSVOA_U
ClientSampled :

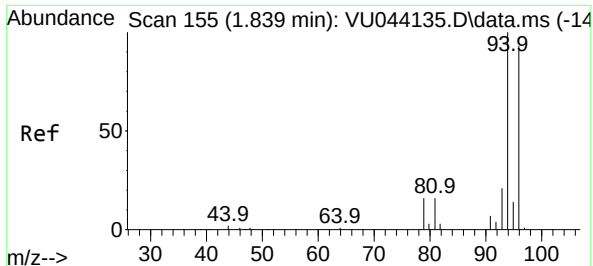
Tgt Ion:168 Resp: 135680
Ion Ratio Lower Upper
168 100
99 65.0 51.3 76.9



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU044159.D
Acq: 10 Jun 2021 16:34

Tgt Ion: 50 Resp: 594
Ion Ratio Lower Upper
50 100
52 29.8 26.6 39.8

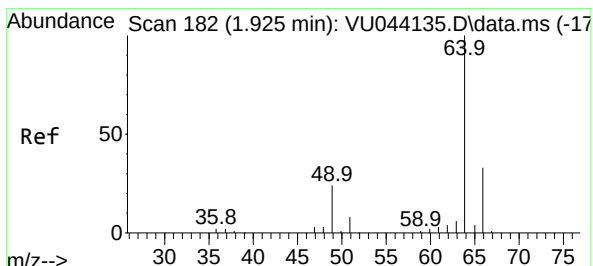
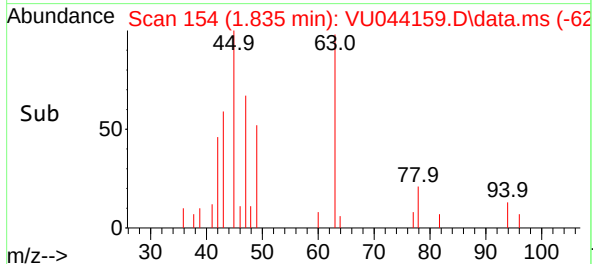
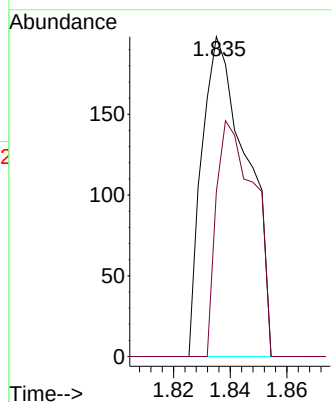
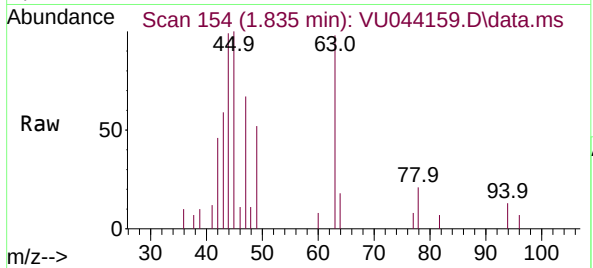




#5
Bromomethane
Concen: 0.231 ug/l
RT: 1.835 min Scan# 154
Delta R.T. -0.004 min
Lab File: VU044159.D
Acq: 10 Jun 2021 16:34

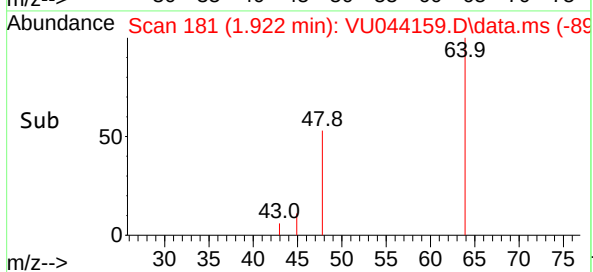
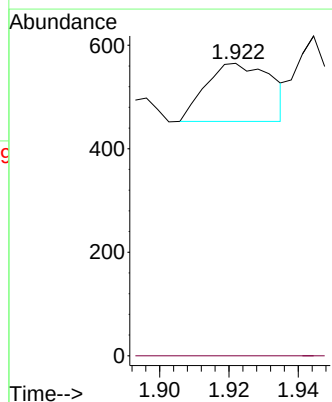
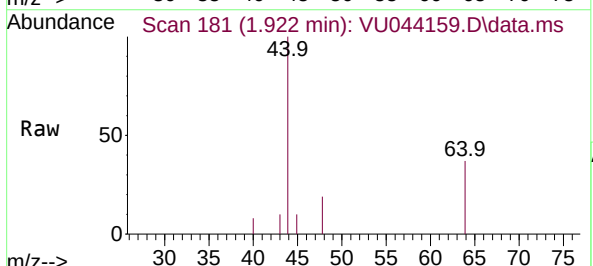
Instrument :
MSVOA_U
ClientSampled :

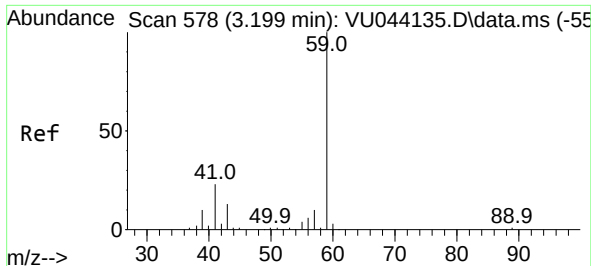
Tgt Ion: 94 Resp: 218
Ion Ratio Lower Upper
94 100
96 51.5 74.1 111.1#



#6
Chloroethane
Concen: Below Cal
RT: 1.922 min Scan# 181
Delta R.T. -0.003 min
Lab File: VU044159.D
Acq: 10 Jun 2021 16:34

Tgt Ion: 64 Resp: 148
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#

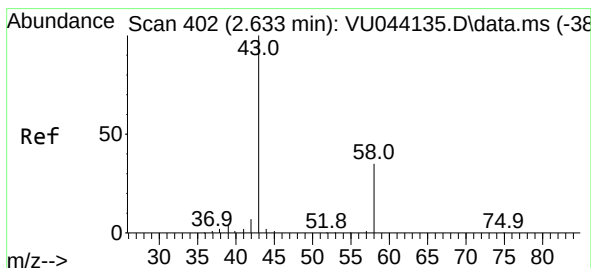
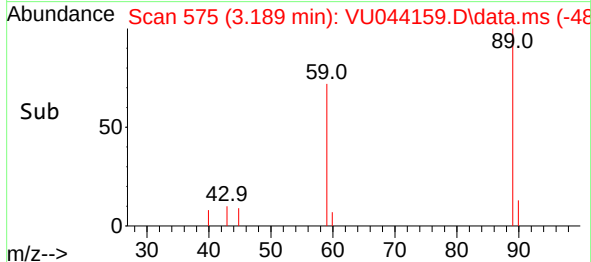
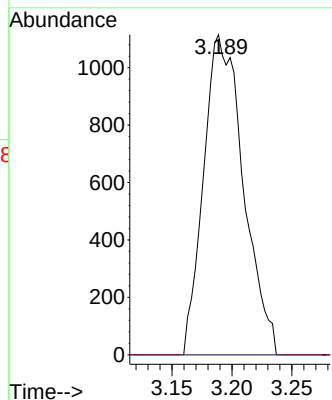
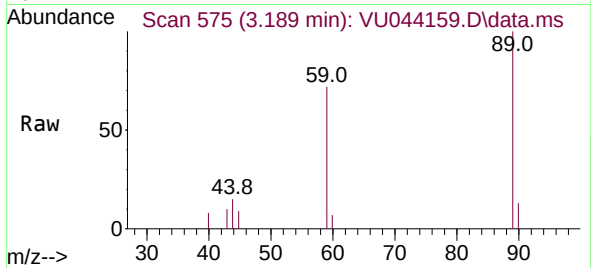




#11
Tert butyl alcohol
Concen: 4.435 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.010 min
Lab File: VU044159.D
Acq: 10 Jun 2021 16:34

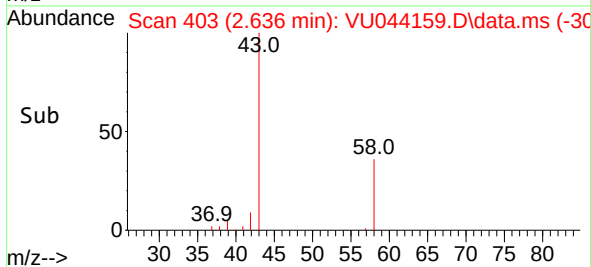
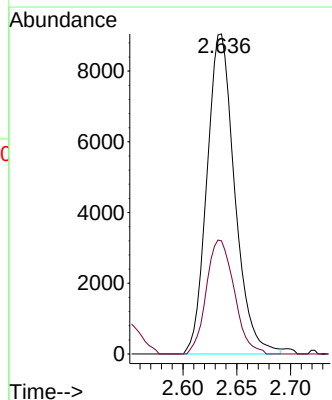
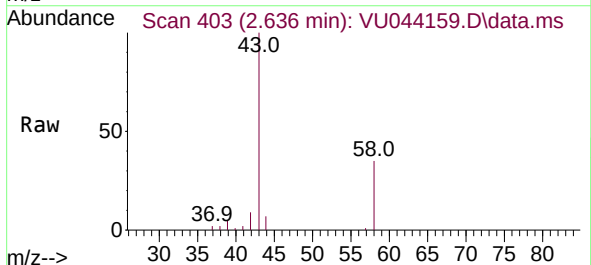
Instrument :
MSVOA_U
ClientSampled :

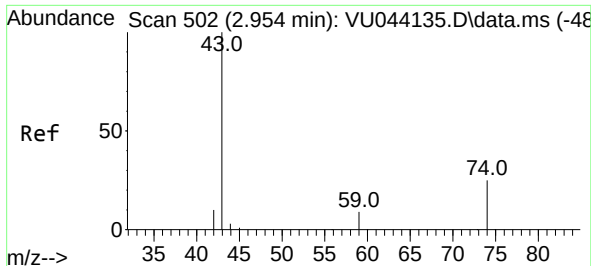
Tgt Ion: 59 Resp: 2574
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#16
Acetone
Concen: 12.554 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.003 min
Lab File: VU044159.D
Acq: 10 Jun 2021 16:34

Tgt Ion: 43 Resp: 16252
Ion Ratio Lower Upper
43 100
58 35.3 28.0 42.0

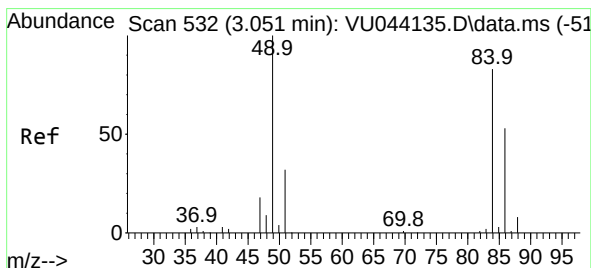
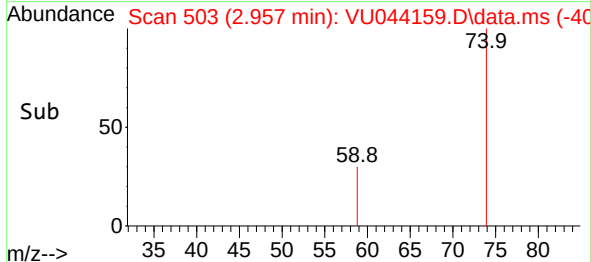
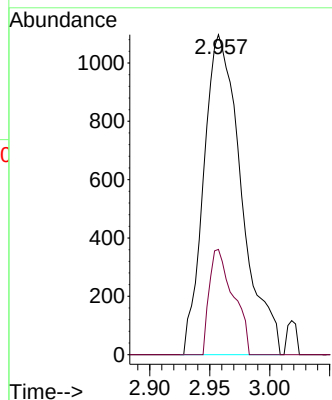
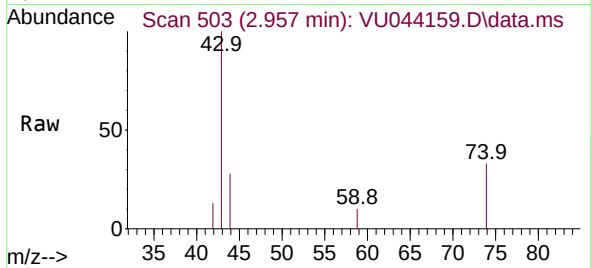




#18
Methyl Acetate
Concen: 0.864 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.003 min
Lab File: VU044159.D
Acq: 10 Jun 2021 16:34

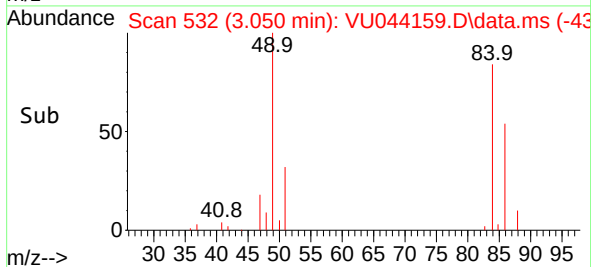
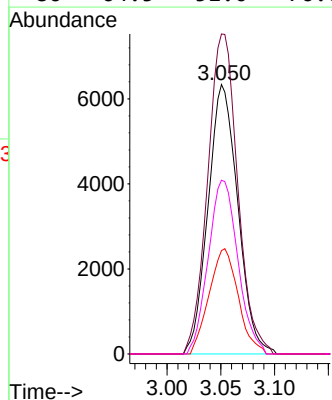
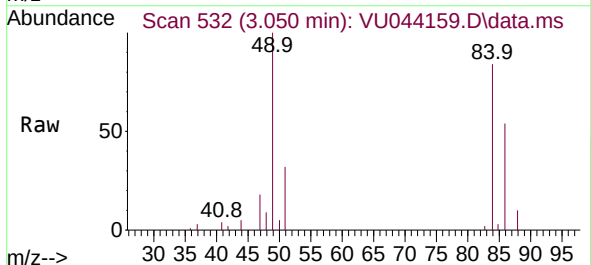
Instrument :
MSVOA_U
ClientSampled :

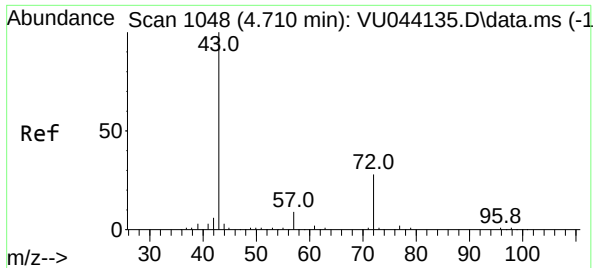
Tgt Ion: 43 Resp: 2397
Ion Ratio Lower Upper
43 100
74 20.9 20.3 30.5



#20
Methylene Chloride
Concen: 5.199 ug/l
RT: 3.050 min Scan# 532
Delta R.T. -0.001 min
Lab File: VU044159.D
Acq: 10 Jun 2021 16:34

Tgt Ion: 84 Resp: 12198
Ion Ratio Lower Upper
84 100
49 118.8 96.9 145.3
51 38.4 31.0 46.6
86 64.5 51.0 76.6

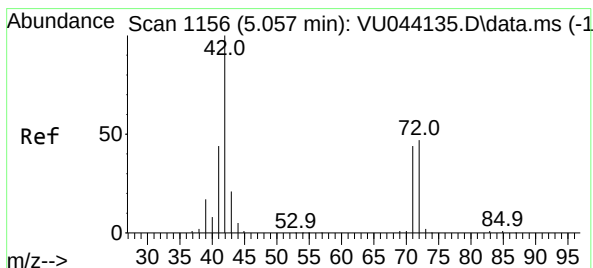
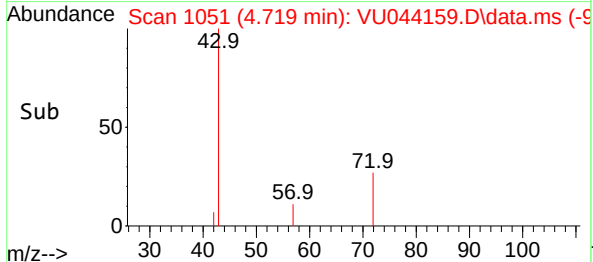
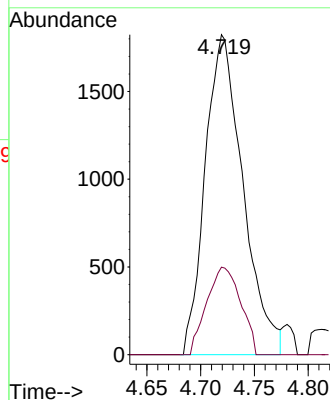
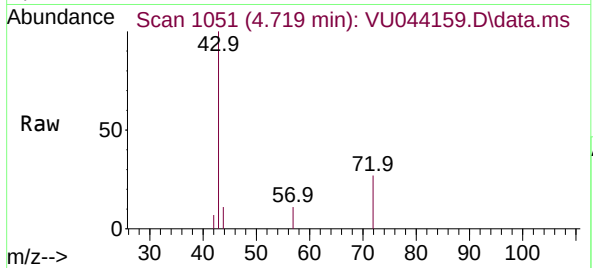




#25
2-Butanone
Concen: 2.470 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.009 min
Lab File: VU044159.D
Acq: 10 Jun 2021 16:34

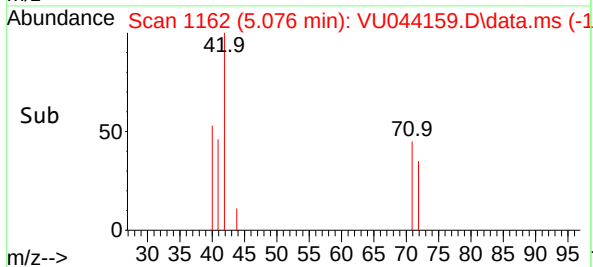
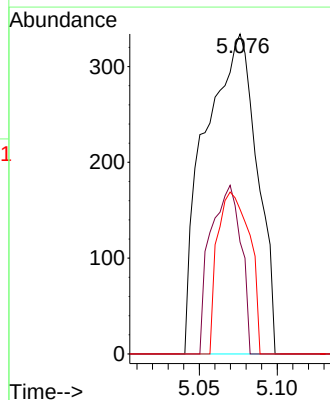
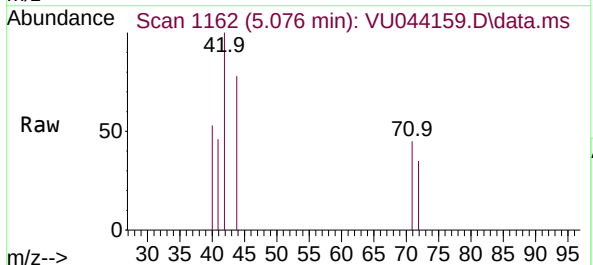
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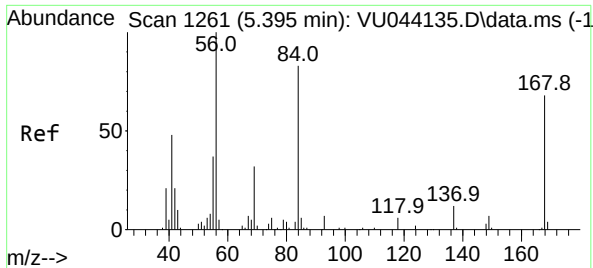
Tgt Ion: 43 Resp: 4449
Ion Ratio Lower Upper
43 100
72 27.4 22.6 33.8



#29
Tetrahydrofuran
Concen: 0.791 ug/l
RT: 5.076 min Scan# 1162
Delta R.T. 0.019 min
Lab File: VU044159.D
Acq: 10 Jun 2021 16:34

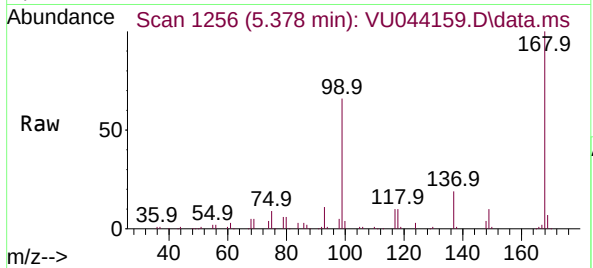
Tgt Ion: 42 Resp: 774
Ion Ratio Lower Upper
42 100
72 30.9 38.6 57.8#
71 31.3 35.5 53.3#



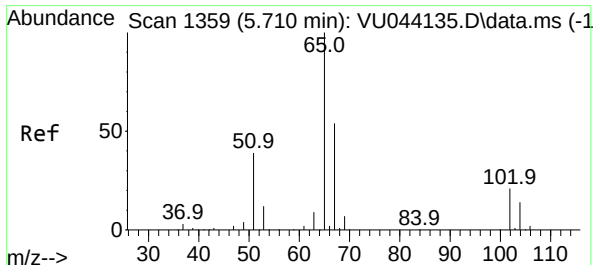
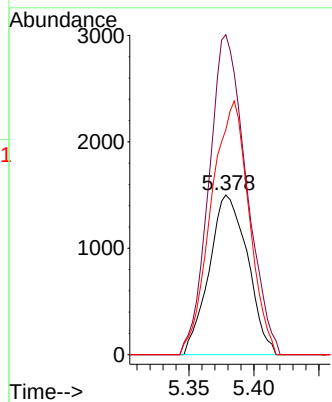
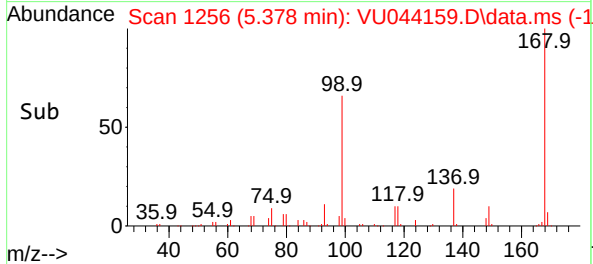


#31
Cyclohexane
Concen: 1.014 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.017 min
Lab File: VU044159.D
Acq: 10 Jun 2021 16:34

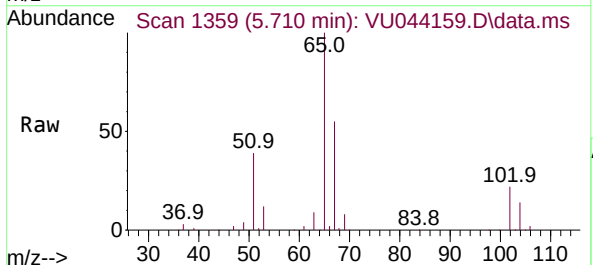
Instrument :
MSVOA_U
ClientSampled :



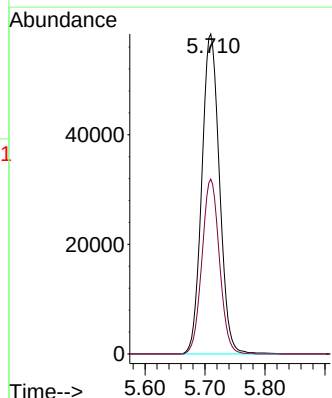
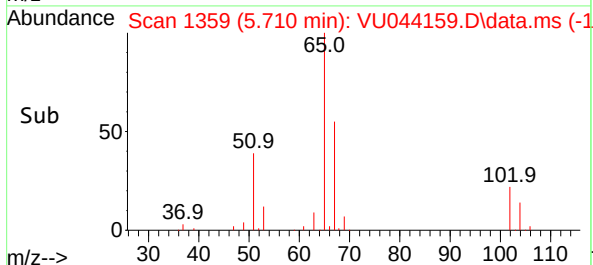
Tgt Ion: 56 Resp: 3087
Ion Ratio Lower Upper
56 100
69 200.4 25.5 38.3#
84 140.8 66.3 99.5#

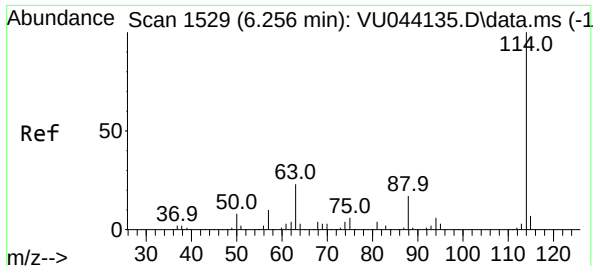


#33
1,2-Dichloroethane-d4
Concen: 55.695 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044159.D
Acq: 10 Jun 2021 16:34



Tgt Ion: 65 Resp: 120170
Ion Ratio Lower Upper
65 100
67 53.9 0.0 106.6

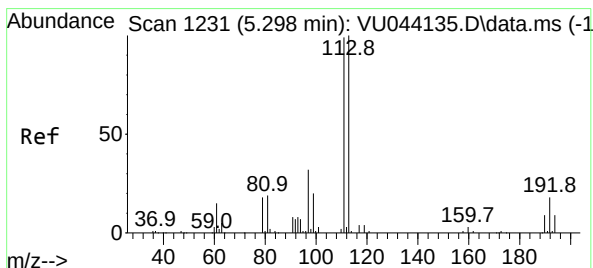
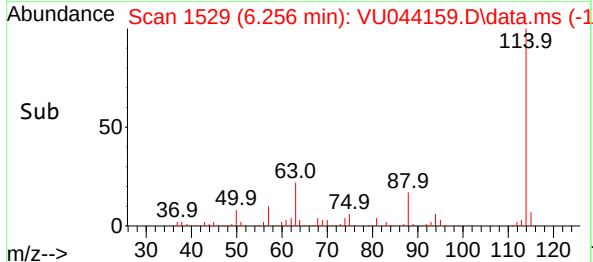
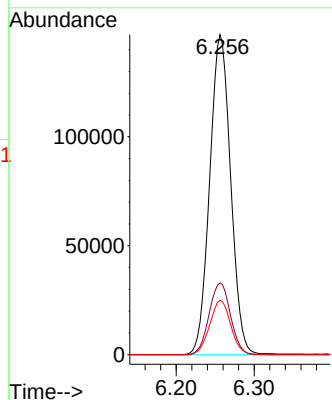
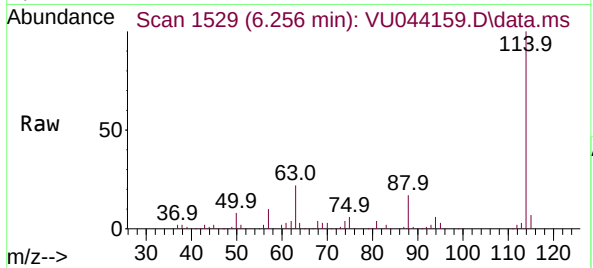




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044159.D
Acq: 10 Jun 2021 16:34

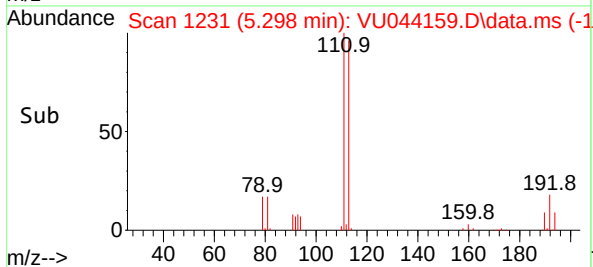
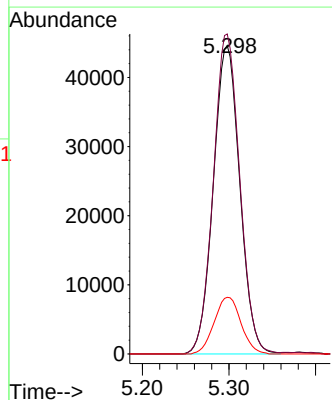
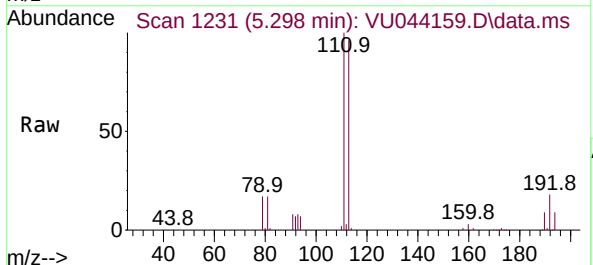
Instrument :
MSVOA_U
ClientSampleId :

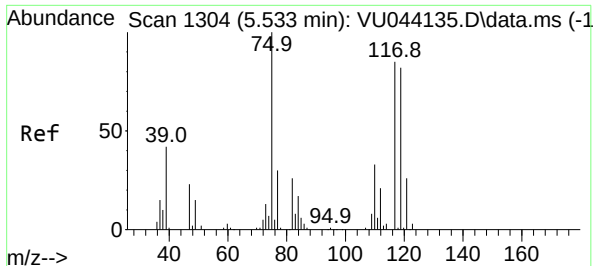
Tgt Ion:114 Resp: 274714
Ion Ratio Lower Upper
114 100
63 22.5 0.0 45.8
88 17.0 0.0 34.0



#35
Dibromofluoromethane
Concen: 49.571 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VU044159.D
Acq: 10 Jun 2021 16:34

Tgt Ion:113 Resp: 94730
Ion Ratio Lower Upper
113 100
111 103.4 81.0 121.4
192 18.7 14.3 21.5



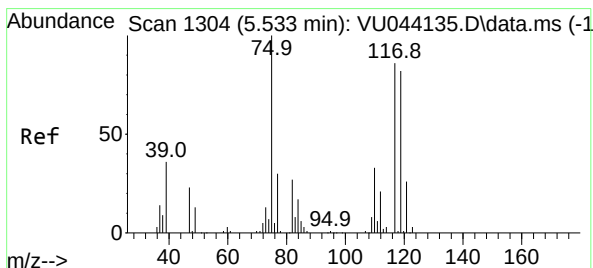
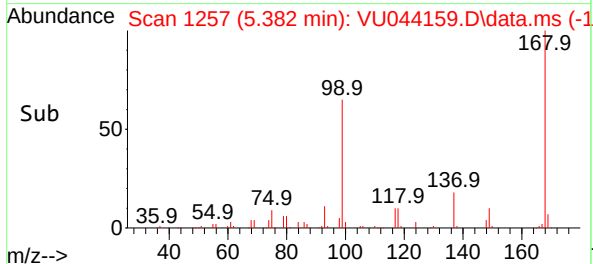
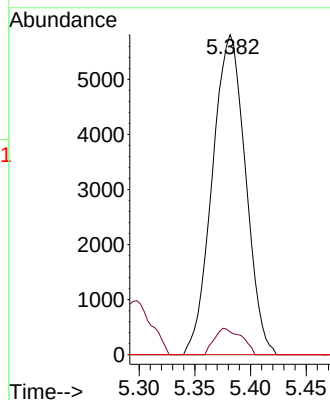
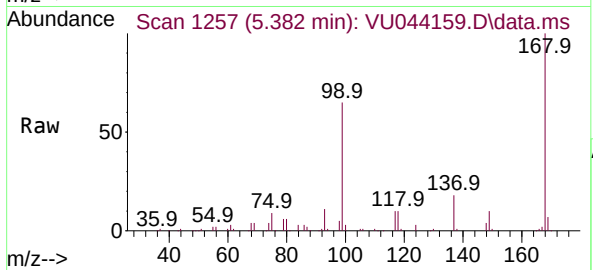


#36

1,1-Dichloropropene
Concen: 3.950 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044159.D
Acq: 10 Jun 2021 16:34

Instrument :
MSVOA_U
ClientSampled :

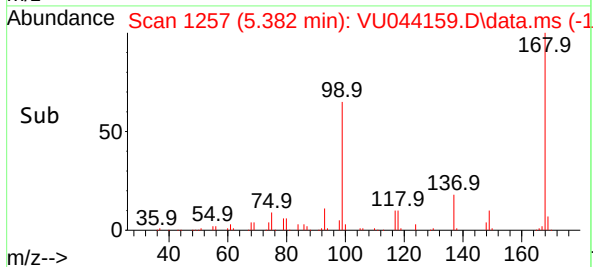
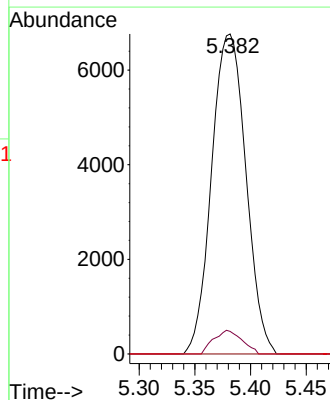
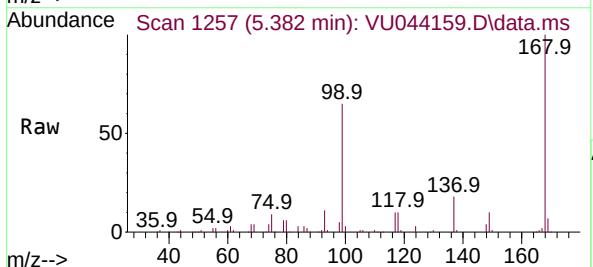
Tgt Ion: 75 Resp: 12074
Ion Ratio Lower Upper
75 100
110 6.7 16.4 49.4#
77 0.0 24.7 37.1#

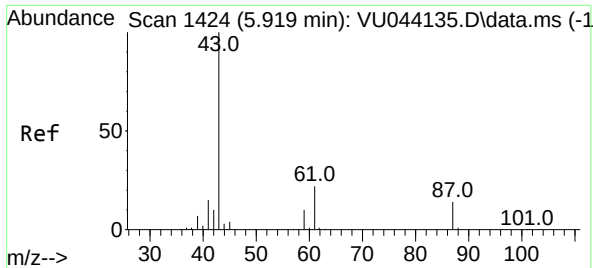


#38

Carbon Tetrachloride
Concen: 5.249 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044159.D
Acq: 10 Jun 2021 16:34

Tgt Ion:117 Resp: 14483
Ion Ratio Lower Upper
117 100
119 7.1 76.6 114.8#
121 0.0 24.6 36.8#

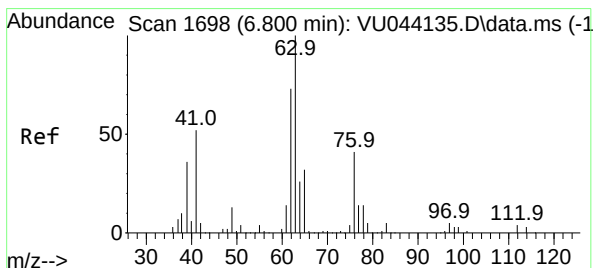
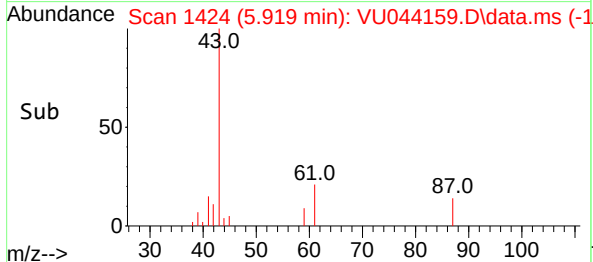
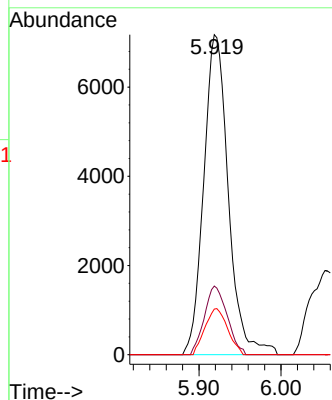
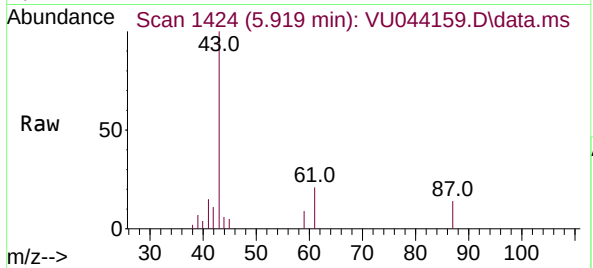




#43
Isopropyl Acetate
Concen: 2.880 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. -0.000 min
Lab File: VU044159.D
Acq: 10 Jun 2021 16:34

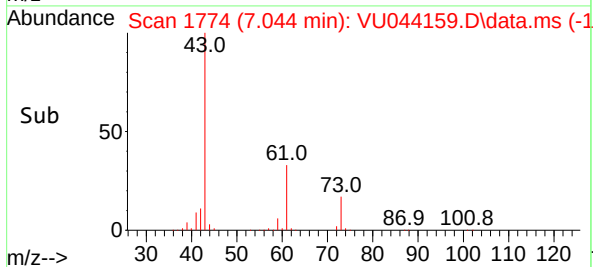
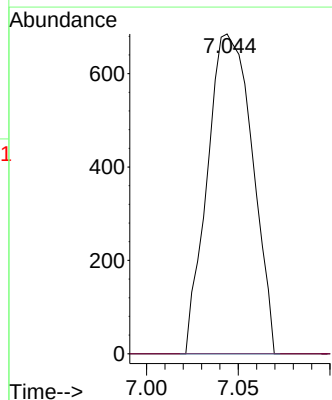
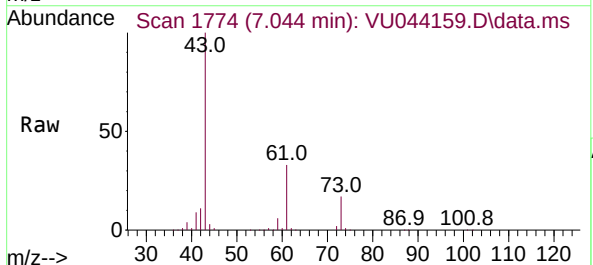
Instrument :
MSVOA_U
ClientSampled :

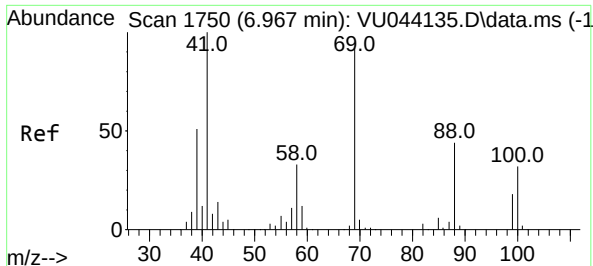
Tgt Ion: 43	Resp: 14955
Ion Ratio	Lower Upper
43 100	
61 19.8	17.8 26.8
87 13.3	11.1 16.7



#45
1,2-Dichloropropane
Concen: 0.475 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.244 min
Lab File: VU044159.D
Acq: 10 Jun 2021 16:34

Tgt Ion: 63	Resp: 1169
Ion Ratio	Lower Upper
63 100	
65 0.0	25.7 38.5#





#48

Methyl methacrylate

Concen: 2.088 ug/l

RT: 6.899 min Scan# 1729

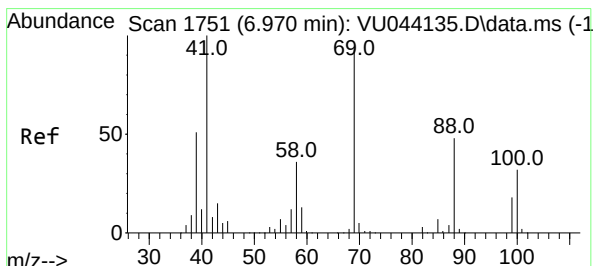
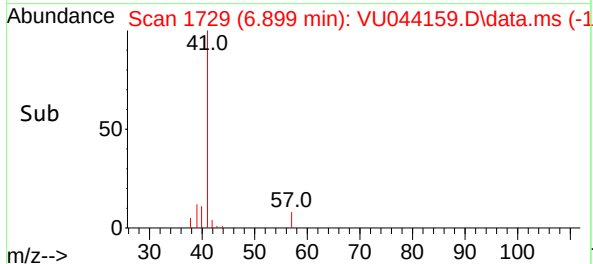
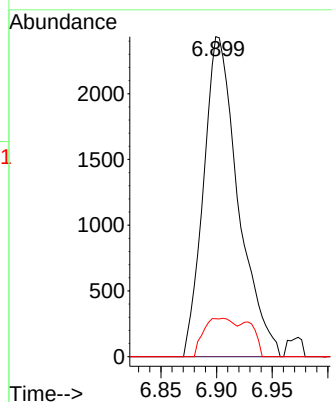
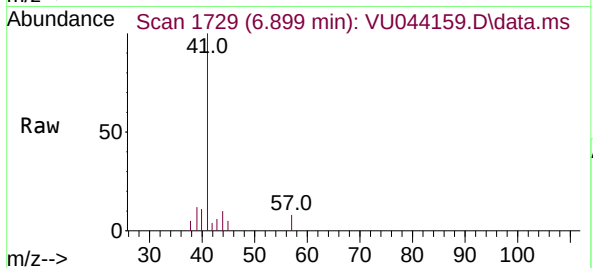
Delta R.T. -0.068 min

Lab File: VU044159.D

Acq: 10 Jun 2021 16:34

Tgt Ion:	41	Resp:	5276
Ion Ratio	Lower	Upper	
41	100		
69	0.0	74.0	111.0#
39	0.0	41.5	62.3#

Instrument :
MSVOA_U
ClientSampled :



#49

1,4-Dioxane

Concen: 0.605 ug/l

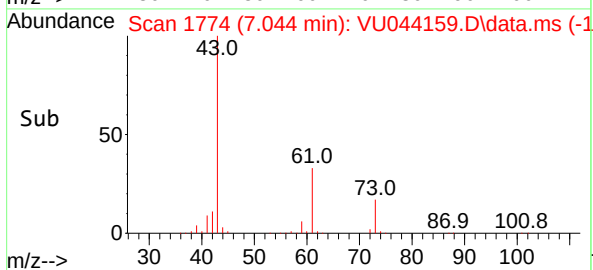
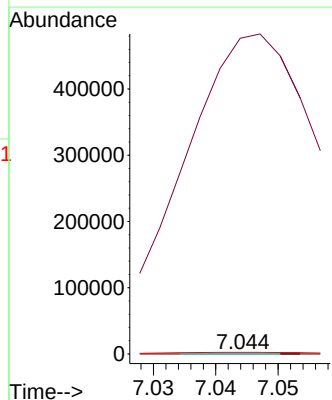
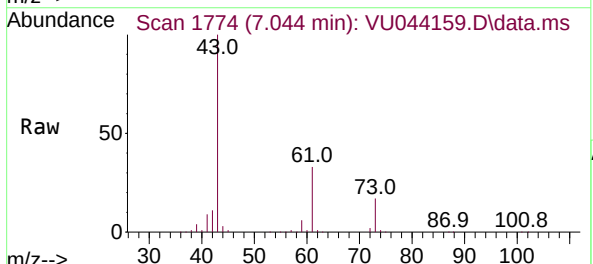
RT: 7.044 min Scan# 1774

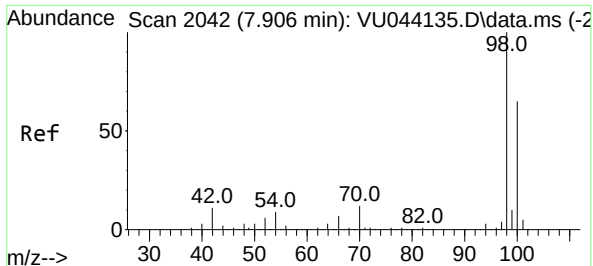
Delta R.T. 0.074 min

Lab File: VU044159.D

Acq: 10 Jun 2021 16:34

Tgt Ion:	88	Resp:	40
Ion Ratio	Lower	Upper	
88	100		
43	2071127.5	23.4	35.0#
58	11627.5	58.1	87.1#





#50

Toluene-d8

Concen: 51.373 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU044159.D

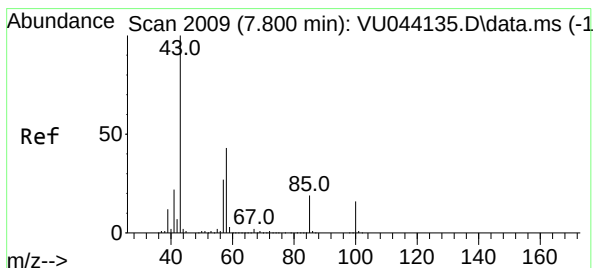
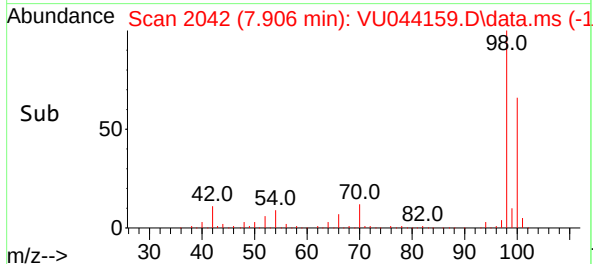
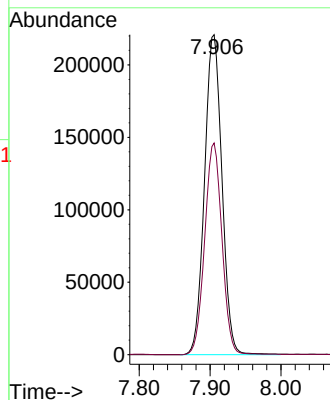
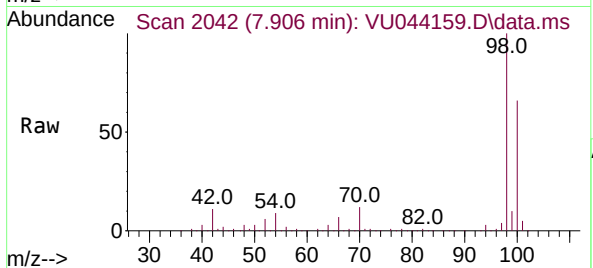
Acq: 10 Jun 2021 16:34

Tgt Ion: 98 Resp: 377034

Ion Ratio Lower Upper

98 100

100 65.7 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 1.184 ug/l

RT: 7.799 min Scan# 2009

Delta R.T. -0.001 min

Lab File: VU044159.D

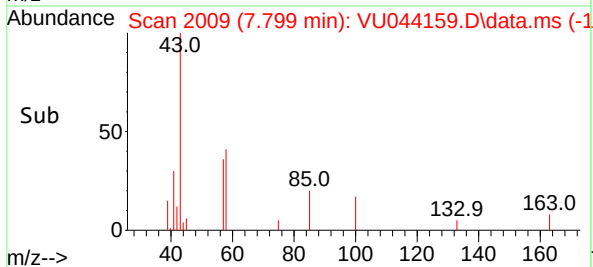
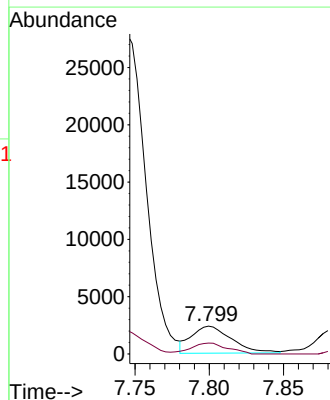
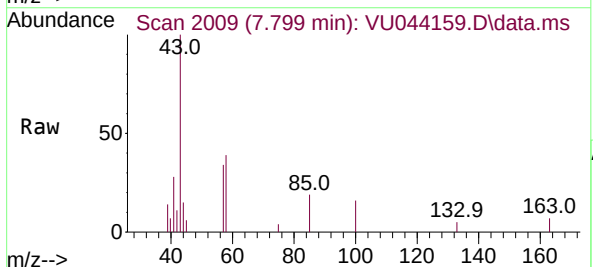
Acq: 10 Jun 2021 16:34

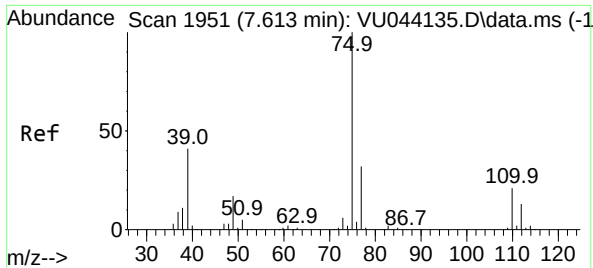
Tgt Ion: 43 Resp: 4450

Ion Ratio Lower Upper

43 100

58 36.6 34.5 51.7

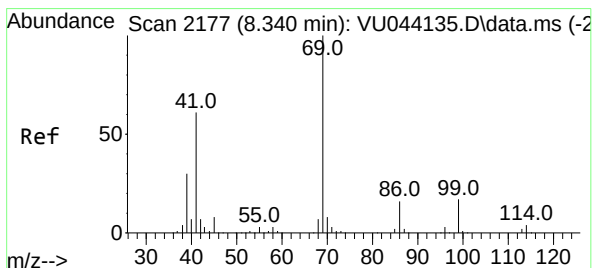
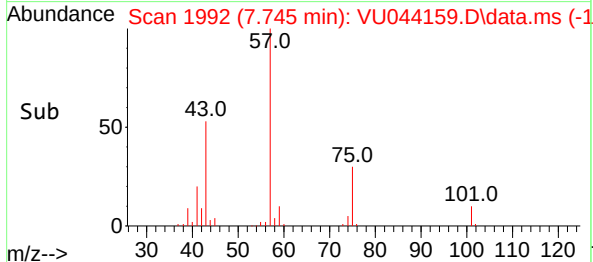
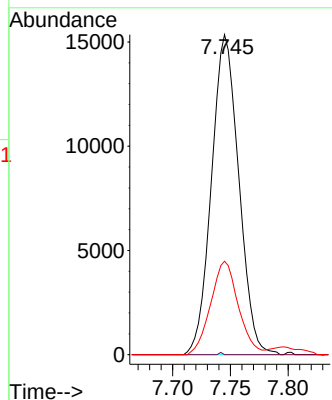
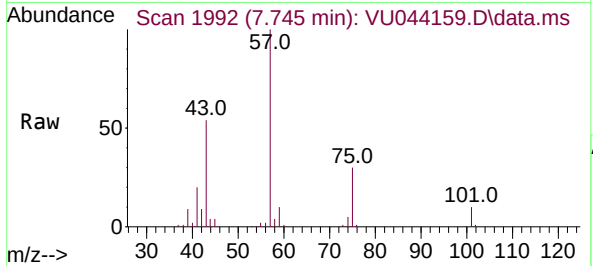




#54
 cis-1,3-Dichloropropene
 Concen: 6.845 ug/l
 RT: 7.745 min Scan# 1992
 Delta R.T. 0.132 min
 Lab File: VU044159.D
 Acq: 10 Jun 2021 16:34

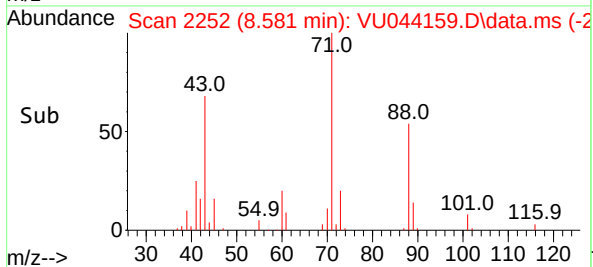
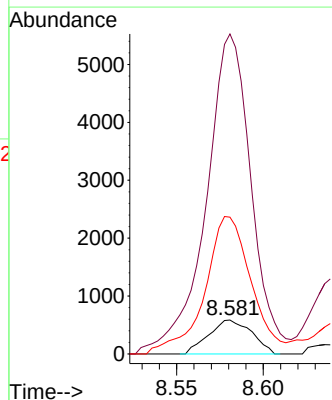
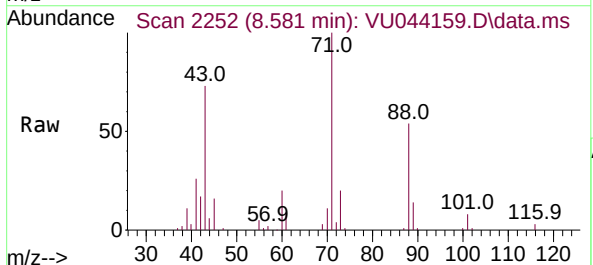
Instrument :
 MSVOA_U
 ClientSampleId :

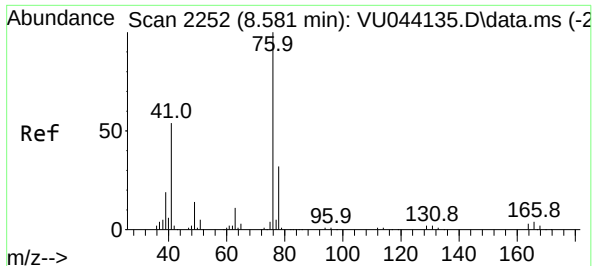
Tgt Ion: 75	Resp: 25215
Ion Ratio	Lower Upper
75 100	
77 0.0	25.9 38.9#
39 29.2	33.2 49.8#



#56
 Ethyl methacrylate
 Concen: 0.294 ug/l
 RT: 8.581 min Scan# 2252
 Delta R.T. 0.241 min
 Lab File: VU044159.D
 Acq: 10 Jun 2021 16:34

Tgt Ion: 69	Resp: 1014
Ion Ratio	Lower Upper
69 100	
41 989.1	48.4 72.6#
39 434.4	23.6 35.4#



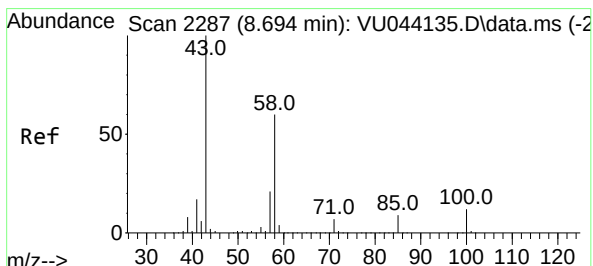
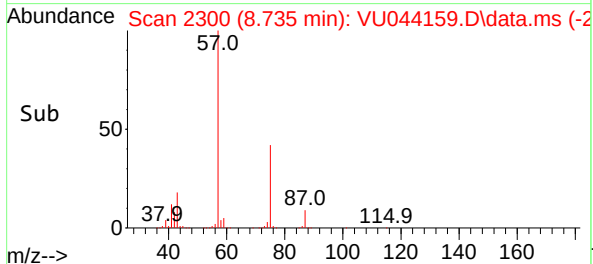
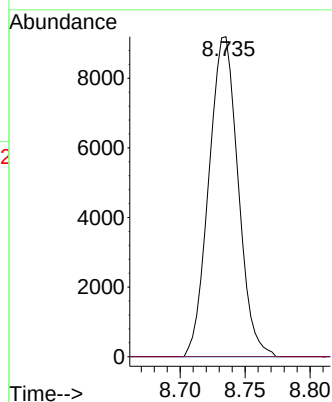
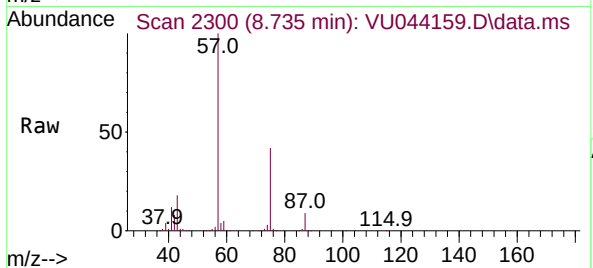


#57

1,3-Dichloropropane
Concen: 3.602 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.154 min
Lab File: VU044159.D
Acq: 10 Jun 2021 16:34

Instrument :
MSVOA_U
ClientSampled :

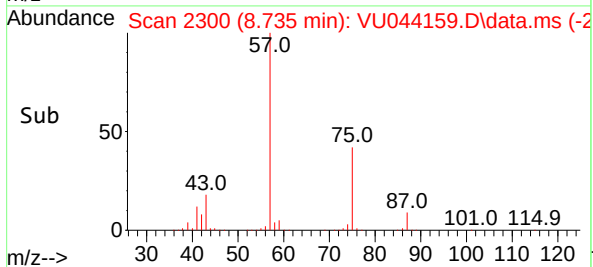
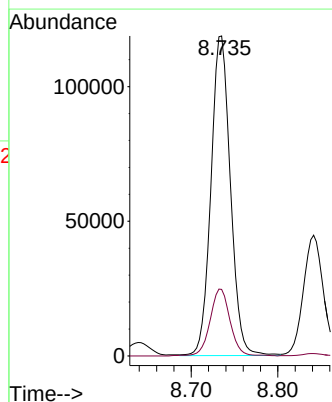
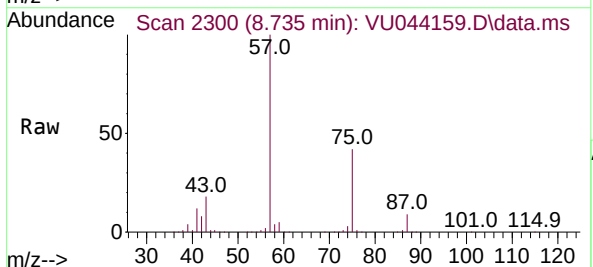
Tgt Ion: 76 Resp: 14410
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

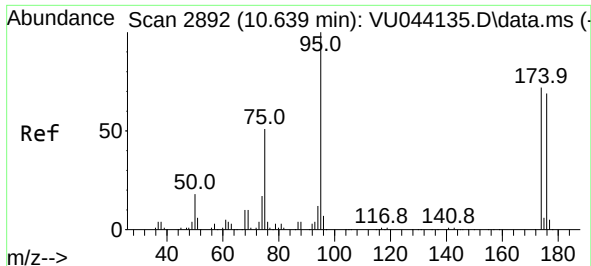


#59

2-Hexanone
Concen: 61.728 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.041 min
Lab File: VU044159.D
Acq: 10 Jun 2021 16:34

Tgt Ion: 43 Resp: 185151
Ion Ratio Lower Upper
43 100
58 21.6 30.0 90.1#

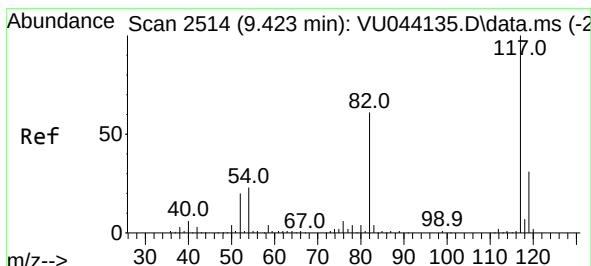
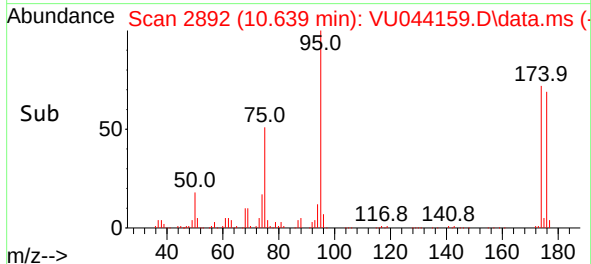
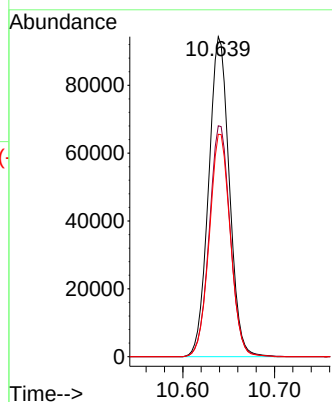
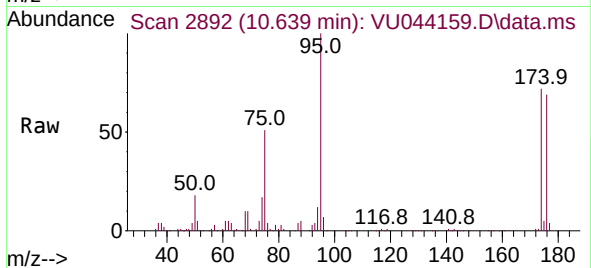




#62
4-Bromofluorobenzene
Concen: 50.296 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044159.D
Acq: 10 Jun 2021 16:34

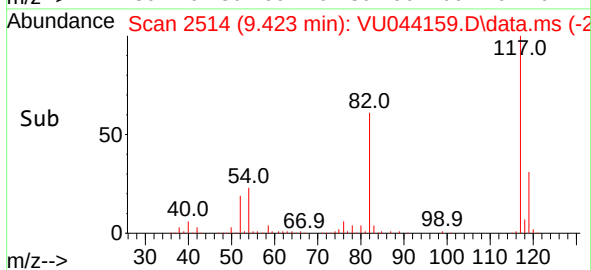
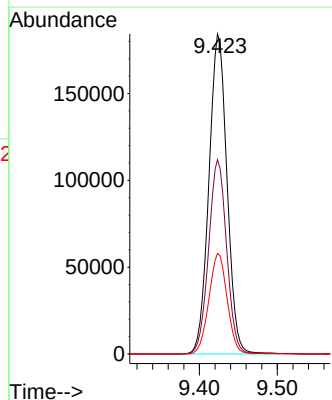
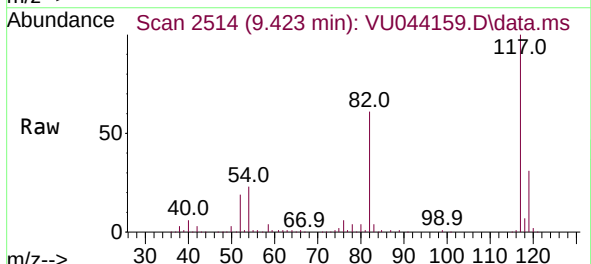
Instrument :
MSVOA_U
ClientSampleId :

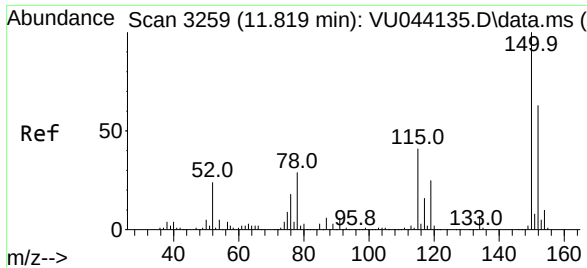
Tgt Ion: 95 Resp: 147928
Ion Ratio Lower Upper
95 100
174 73.1 0.0 144.4
176 70.4 0.0 138.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.000 min
Lab File: VU044159.D
Acq: 10 Jun 2021 16:34

Tgt Ion: 117 Resp: 297587
Ion Ratio Lower Upper
117 100
82 60.7 48.8 73.2
119 31.4 25.0 37.6

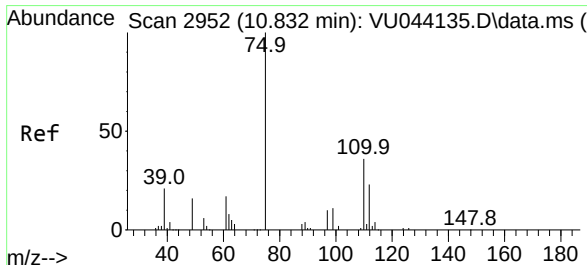
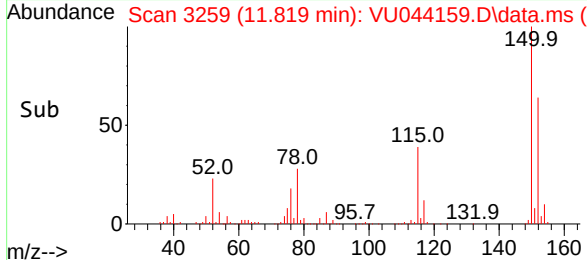
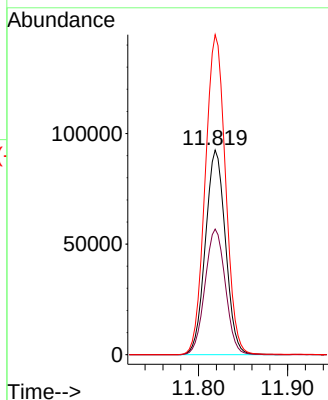
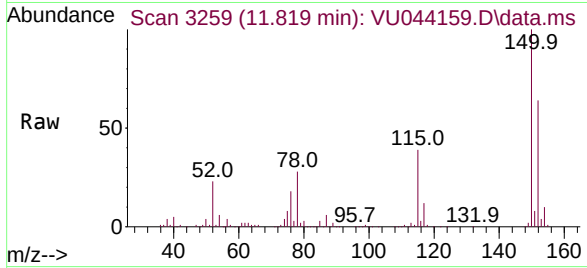




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU044159.D
 Acq: 10 Jun 2021 16:34

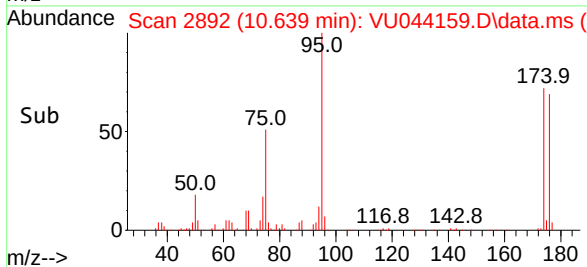
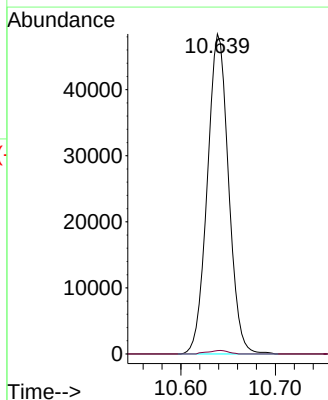
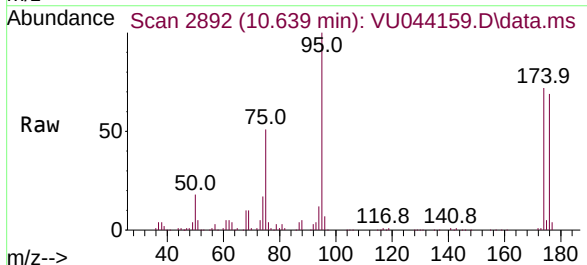
Instrument :
 MSVOA_U
 ClientSampled :

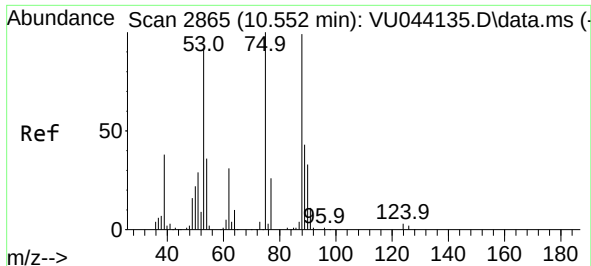
Tgt Ion:152 Resp: 144757
 Ion Ratio Lower Upper
 152 100
 115 62.3 43.8 131.3
 150 158.0 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 15.565 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.193 min
 Lab File: VU044159.D
 Acq: 10 Jun 2021 16:34

Tgt Ion: 75 Resp: 75545
 Ion Ratio Lower Upper
 75 100
 77 1.1 14.9 44.5#

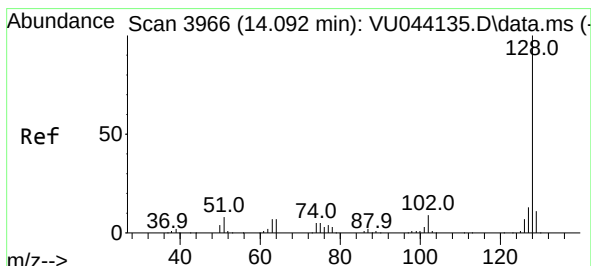
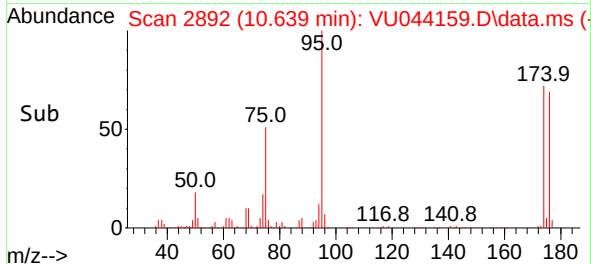
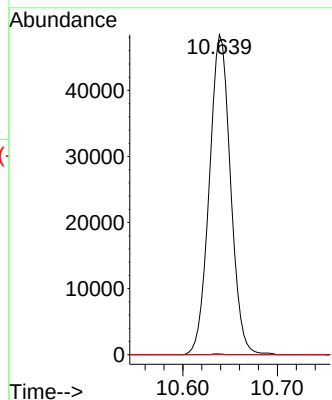
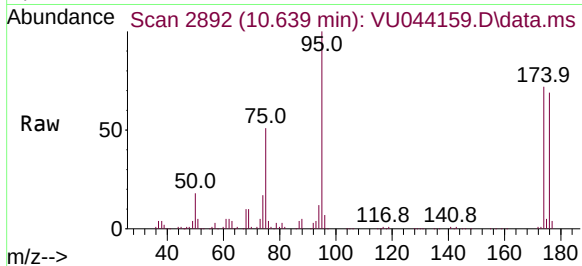




#81
trans-1,4-Dichloro-2-butene
Concen: 56.424 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044159.D
Acq: 10 Jun 2021 16:34

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 75545
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.2#
89 0.0 35.0 52.6#



#95
Naphthalene
Concen: 2.856 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.006 min
Lab File: VU044159.D
Acq: 10 Jun 2021 16:34

Tgt Ion:128 Resp: 222
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

