

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061421\
 Data File : VU044188.D
 Acq On : 14 Jun 2021 17:52
 Operator : SY/MD
 Sample : M2672-32
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

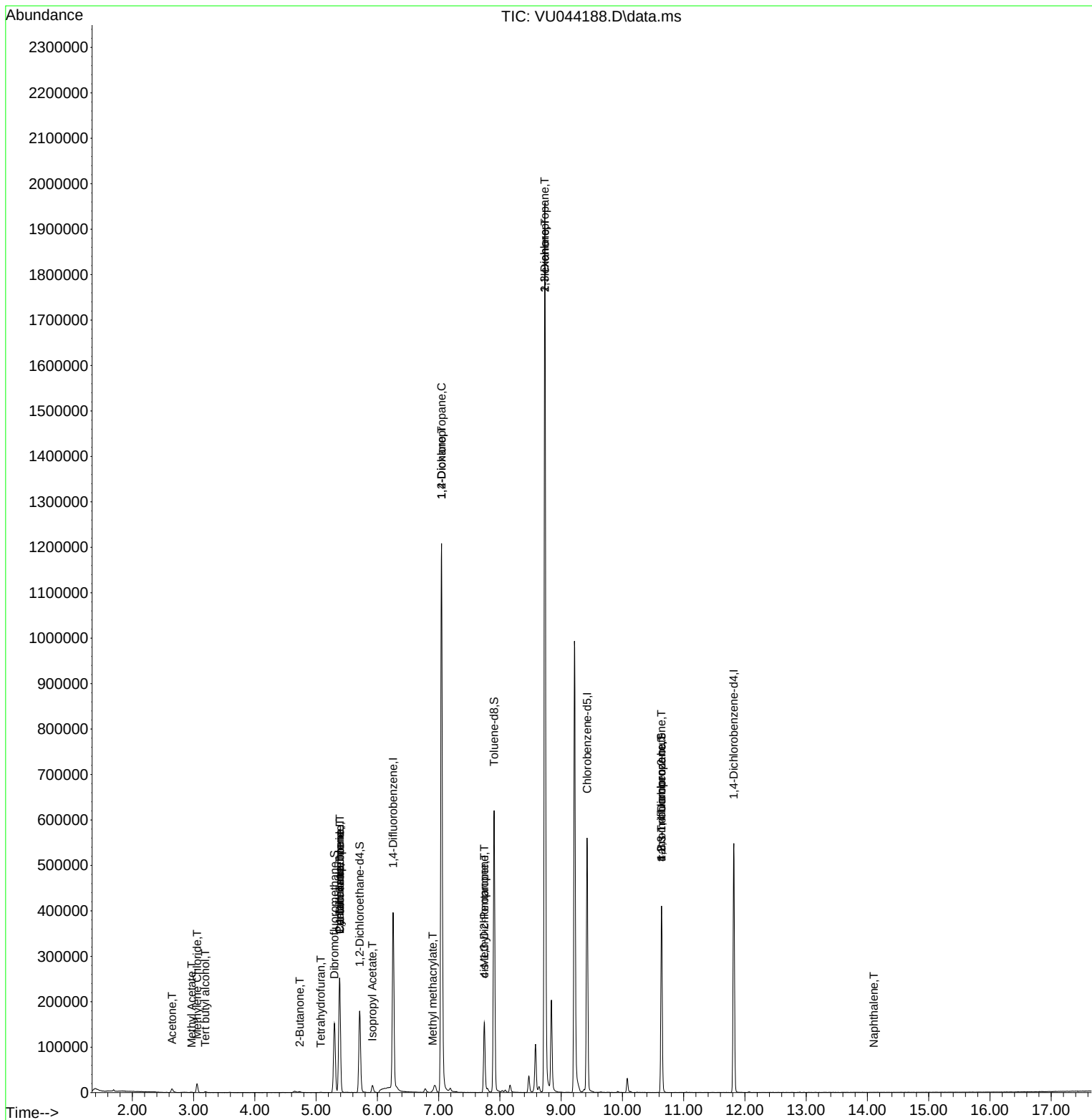
Instrument :
 MSVOA_U
 ClientSampleId :

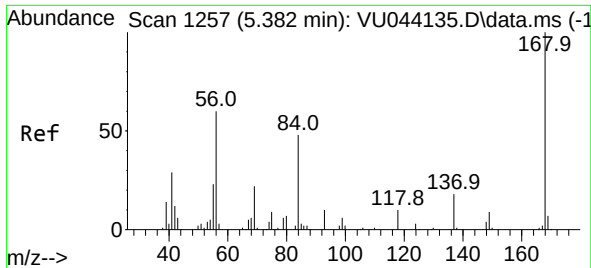
Quant Time: Jun 15 02:48:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 10 05:11:37 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.385	168	164642	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	299730	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	299389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	139585	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	133716	51.071	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.140%	
35) Dibromofluoromethane	5.298	113	100756	48.324	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.640%	
50) Toluene-d8	7.906	98	397686	49.665	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.320%	
62) 4-Bromofluorobenzene	10.639	95	141629	44.135	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.280%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	248	Below Cal	#	61
6) Chloroethane	1.922	64	181	Below Cal	#	42
11) Tert butyl alcohol	3.192	59	1509	2.142	ug/l #	73
16) Acetone	2.649	43	12945	7.498	ug/l	95
18) Methyl Acetate	2.970	43	1155	0.343	ug/l #	62
20) Methylene Chloride	3.057	84	9163	2.751	ug/l	99
25) 2-Butanone	4.732	43	3675	1.682	ug/l #	86
29) Tetrahydrofuran	5.076	42	662	0.557	ug/l #	37
31) Cyclohexane	5.382	56	3823	1.035	ug/l #	1
36) 1,1-Dichloropropene	5.385	75	14672	4.400	ug/l #	51
38) Carbon Tetrachloride	5.385	117	17766	5.901	ug/l #	17
43) Isopropyl Acetate	5.919	43	17655	3.116	ug/l	99
45) 1,2-Dichloropropane	7.047	63	1520	0.566	ug/l #	43
48) Methyl methacrylate	6.903	41	6460	2.343	ug/l #	11
49) 1,4-Dioxane	7.047	88	155	2.149	ug/l #	1
51) 4-Methyl-2-Pentanone	7.745	43	53926	13.150	ug/l #	45
54) cis-1,3-Dichloropropene	7.745	75	29207	7.267	ug/l #	65
57) 1,3-Dichloropropane	8.732	76	21268	4.873	ug/l #	42
59) 2-Hexanone	8.735	43	266616	81.470	ug/l #	49
76) 1,2,3-Trichloropropane	10.639	75	72149	15.416	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.639	75	72149	55.884	ug/l #	13
95) Naphthalene	14.105	128	145	2.850	ug/l #	69

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

Quant Time: Jun 15 02:48:08 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060921W.M
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QLast Update : Thu Jun 10 05:11:37 2021
Response via : Initial Calibration

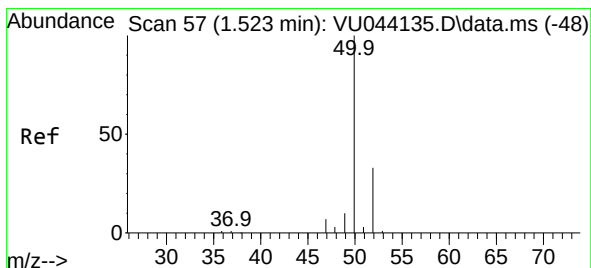
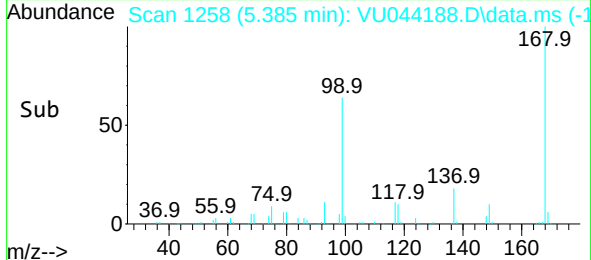
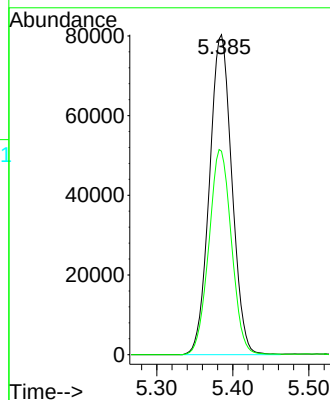
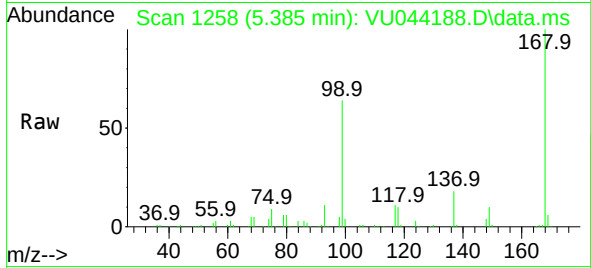




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. 0.003 min
Lab File: VU044188.D
Acq: 14 Jun 2021 17:52

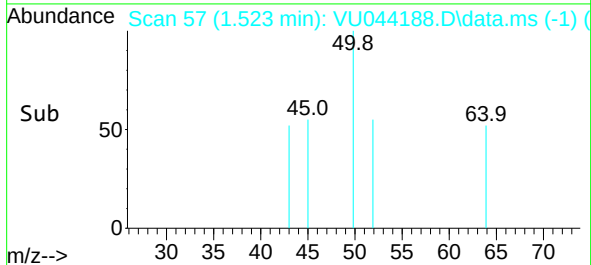
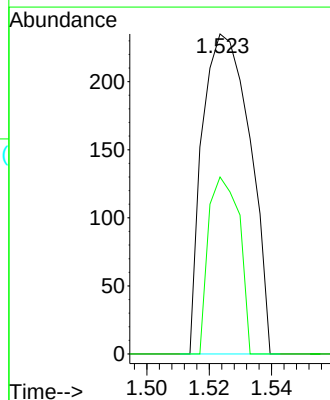
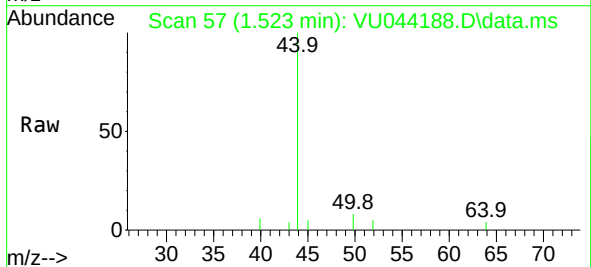
Instrument :
MSVOA_U
ClientSampled :

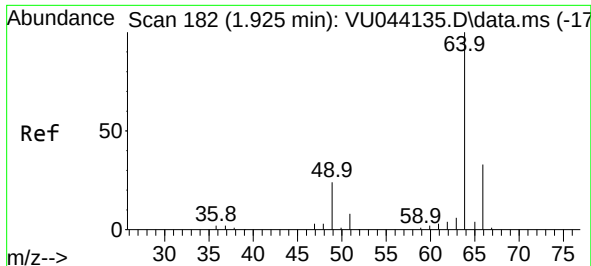
Tgt Ion:168 Resp: 164642
Ion Ratio Lower Upper
168 100
99 63.6 51.3 76.9



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU044188.D
Acq: 14 Jun 2021 17:52

Tgt Ion: 50 Resp: 248
Ion Ratio Lower Upper
50 100
52 55.3 26.6 39.8#

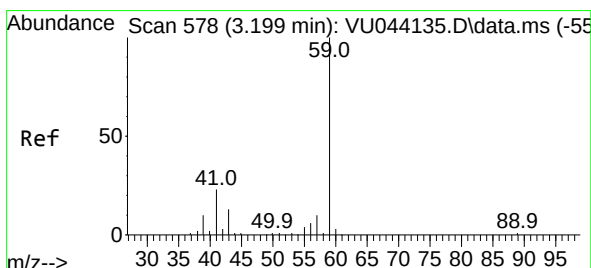
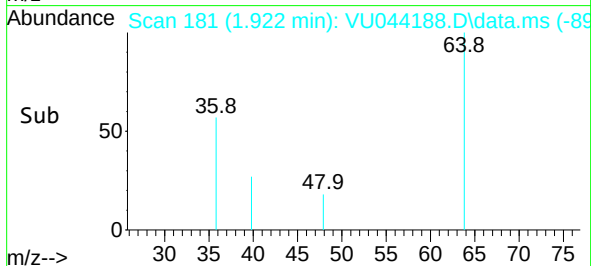
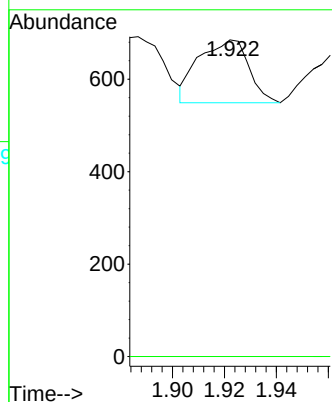
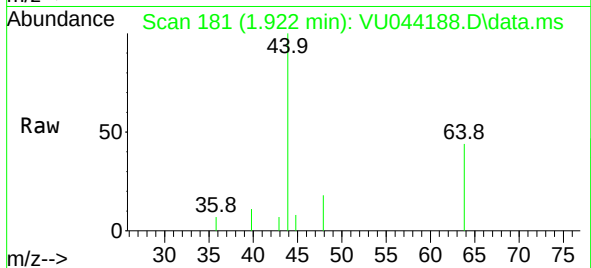




#6
Chloroethane
Concen: Below Cal
RT: 1.922 min Scan# 181
Delta R.T. -0.003 min
Lab File: VU044188.D
Acq: 14 Jun 2021 17:52

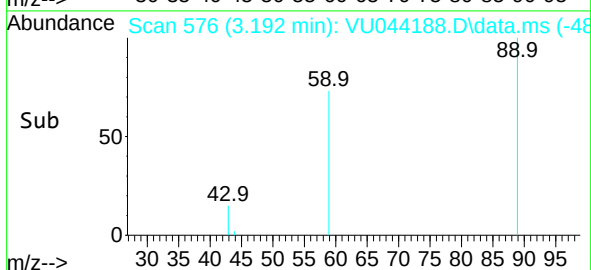
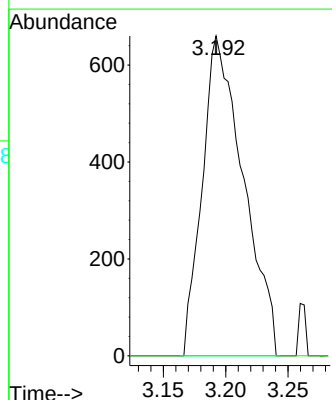
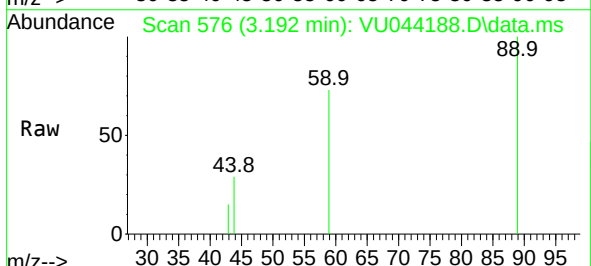
Instrument :
MSVOA_U
ClientSampled :

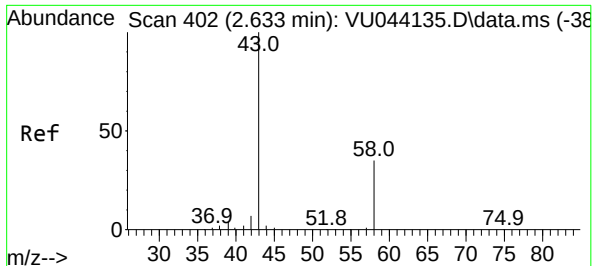
Tgt Ion: 64 Resp: 181
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#



#11
Tert butyl alcohol
Concen: 2.142 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.007 min
Lab File: VU044188.D
Acq: 14 Jun 2021 17:52

Tgt Ion: 59 Resp: 1509
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

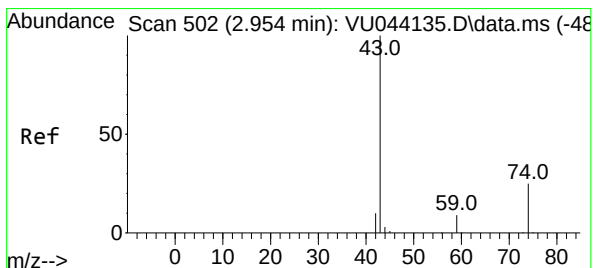
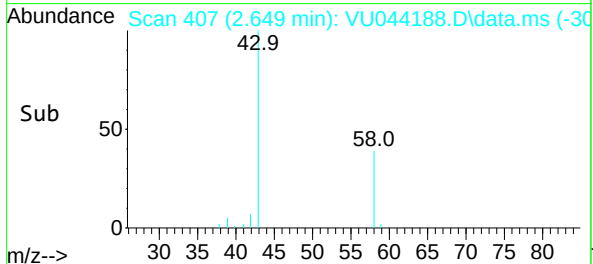
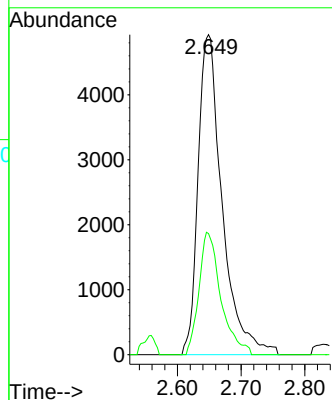
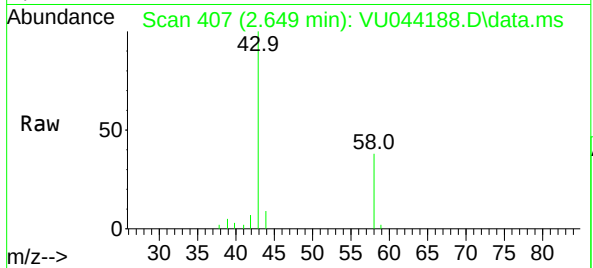




#16
Acetone
Concen: 7.498 ug/l
RT: 2.649 min Scan# 407
Delta R.T. 0.016 min
Lab File: VU044188.D
Acq: 14 Jun 2021 17:52

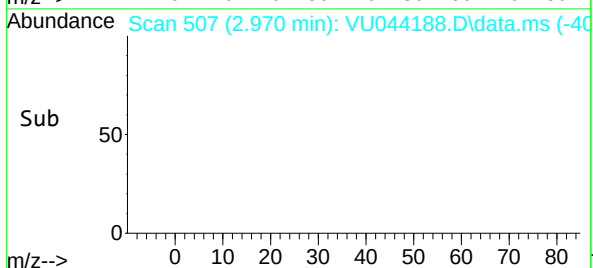
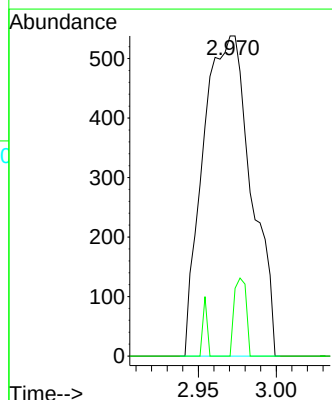
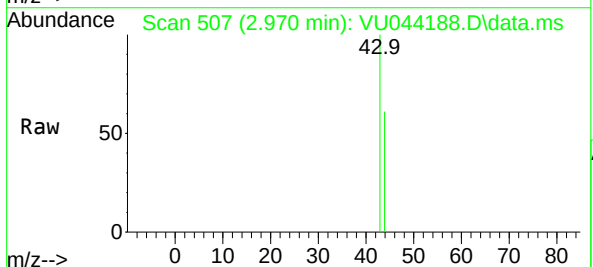
Instrument :
MSVOA_U
ClientSampled :

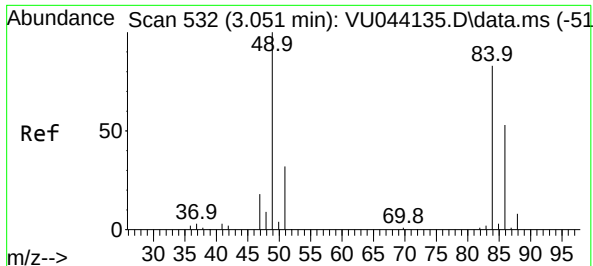
Tgt Ion: 43 Resp: 12945
Ion Ratio Lower Upper
43 100
58 37.9 28.0 42.0



#18
Methyl Acetate
Concen: 0.343 ug/l
RT: 2.970 min Scan# 507
Delta R.T. 0.016 min
Lab File: VU044188.D
Acq: 14 Jun 2021 17:52

Tgt Ion: 43 Resp: 1155
Ion Ratio Lower Upper
43 100
74 6.1 20.3 30.5#





#20

Methylene Chloride

Concen: 2.751 ug/l

RT: 3.057 min Scan# 534

Delta R.T. 0.006 min

Lab File: VU044188.D

Acq: 14 Jun 2021 17:52

Tgt Ion: 84 Resp: 9163

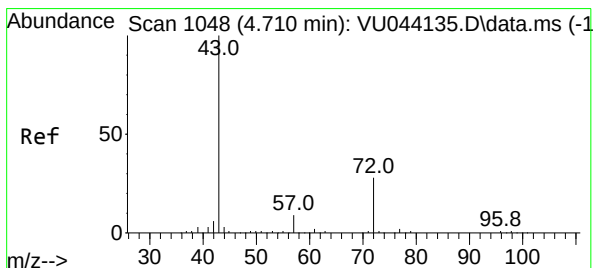
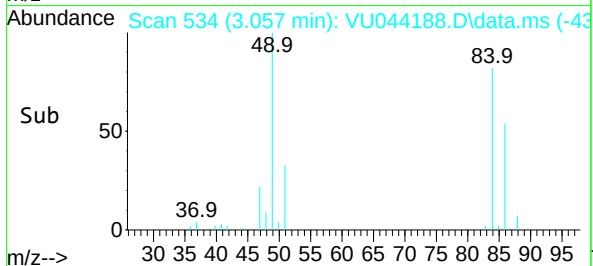
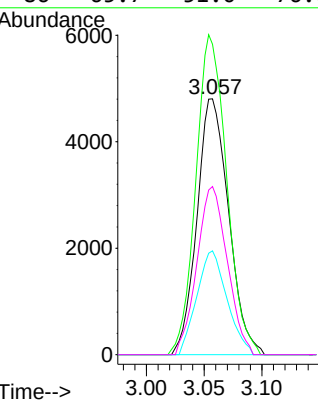
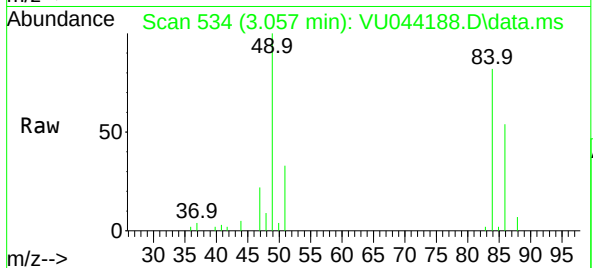
Ion Ratio Lower Upper

84 100

49 121.3 96.9 145.3

51 40.6 31.0 46.6

86 65.7 51.0 76.6



#25

2-Butanone

Concen: 1.682 ug/l

RT: 4.732 min Scan# 1055

Delta R.T. 0.022 min

Lab File: VU044188.D

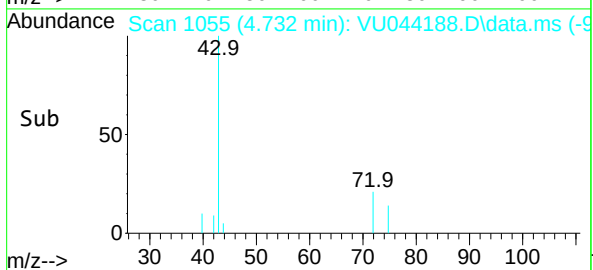
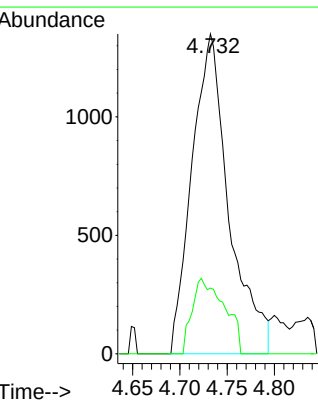
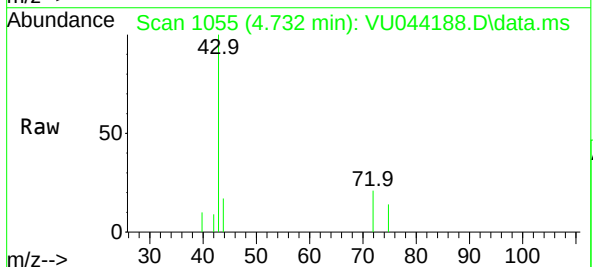
Acq: 14 Jun 2021 17:52

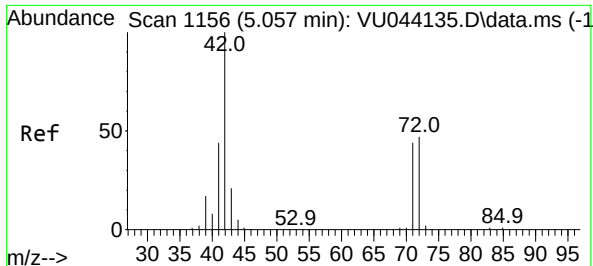
Tgt Ion: 43 Resp: 3675

Ion Ratio Lower Upper

43 100

72 20.6 22.6 33.8#





#29

Tetrahydrofuran

Concen: 0.557 ug/l

RT: 5.076 min Scan# 1162

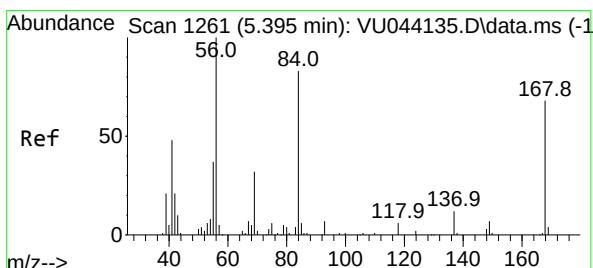
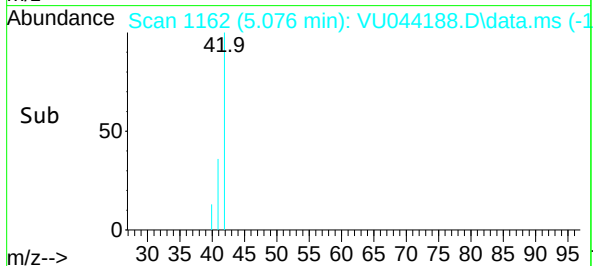
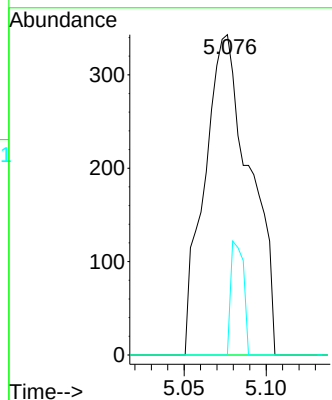
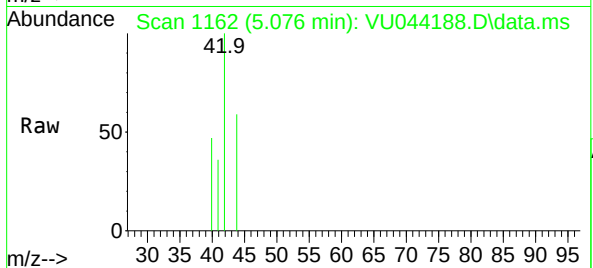
Delta R.T. 0.019 min

Lab File: VU044188.D

Acq: 14 Jun 2021 17:52

Tgt Ion:	42	Resp:	662
Ion	Ratio	Lower	Upper
42	100		
72	0.0	38.6	57.8#
71	9.8	35.5	53.3#

Instrument :
MSVOA_U
ClientSampled :



#31

Cyclohexane

Concen: 1.035 ug/l

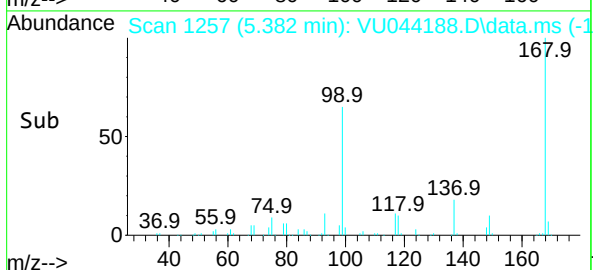
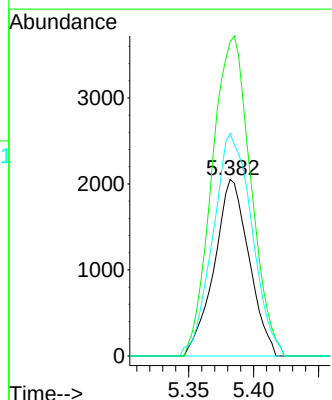
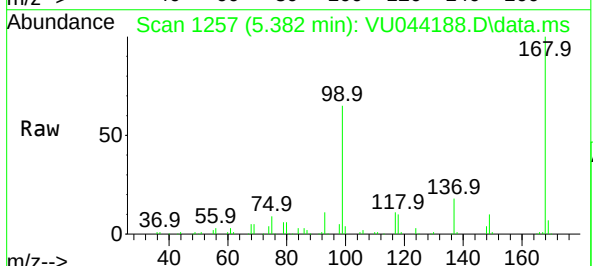
RT: 5.382 min Scan# 1257

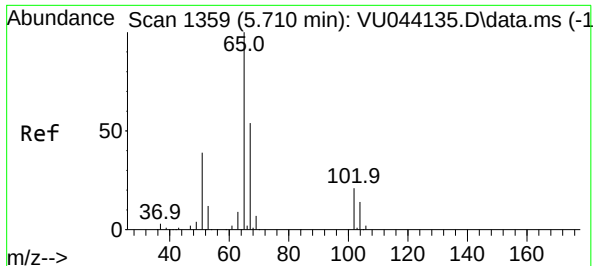
Delta R.T. -0.013 min

Lab File: VU044188.D

Acq: 14 Jun 2021 17:52

Tgt Ion:	56	Resp:	3823
Ion	Ratio	Lower	Upper
56	100		
69	178.0	25.5	38.3#
84	126.1	66.3	99.5#

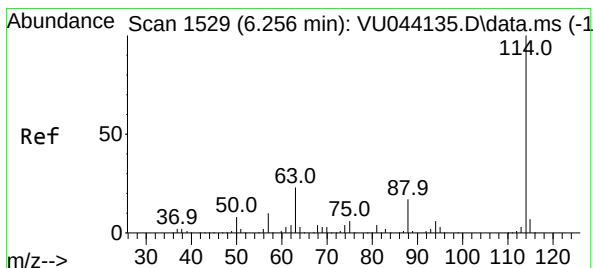
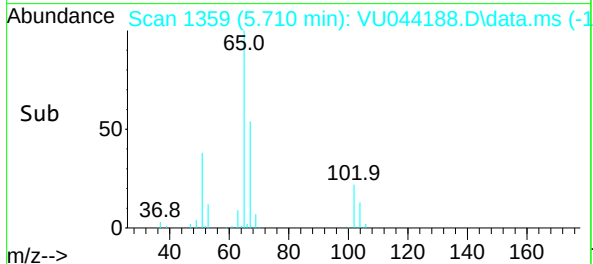
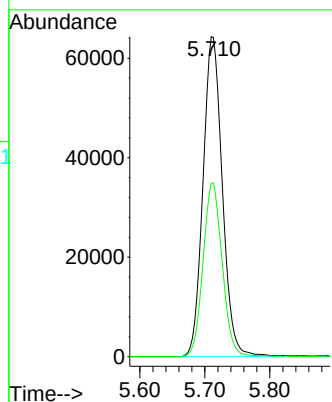
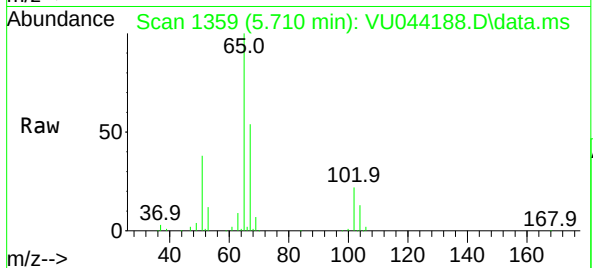




#33
1,2-Dichloroethane-d4
Concen: 51.071 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044188.D
Acq: 14 Jun 2021 17:52

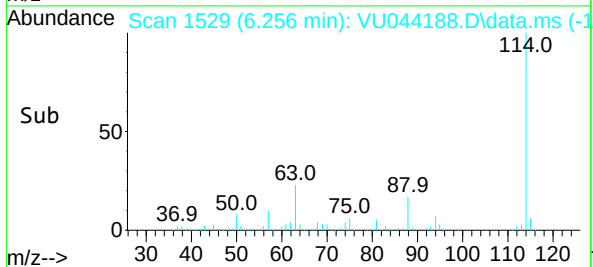
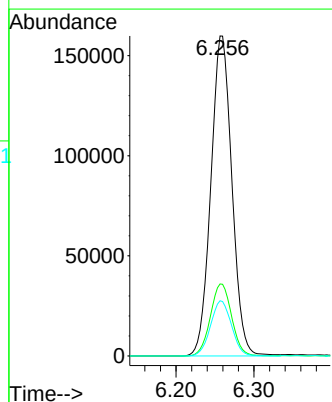
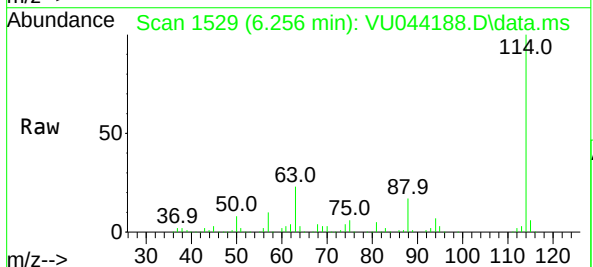
Instrument :
MSVOA_U
ClientSampleId :

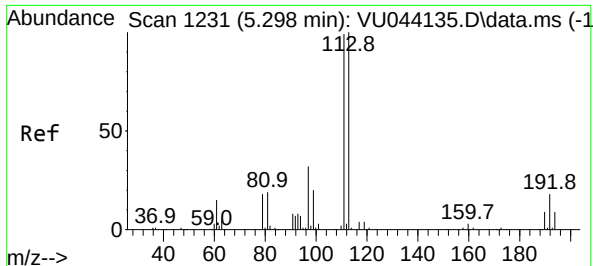
Tgt Ion: 65 Resp: 133716
Ion Ratio Lower Upper
65 100
67 53.7 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044188.D
Acq: 14 Jun 2021 17:52

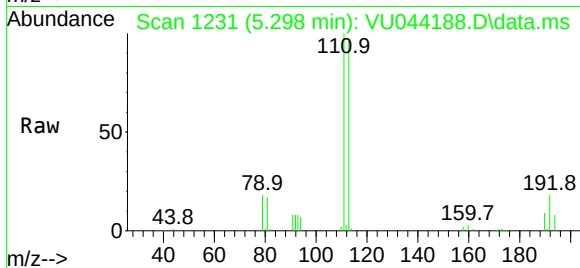
Tgt Ion: 114 Resp: 299730
Ion Ratio Lower Upper
114 100
63 22.5 0.0 45.8
88 17.2 0.0 34.0



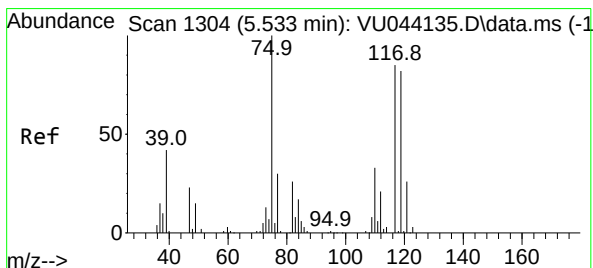
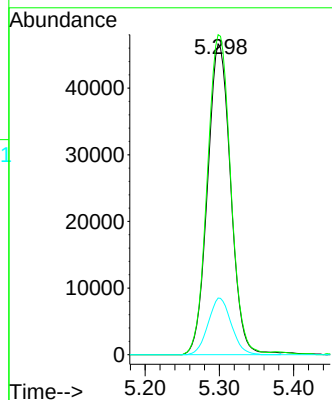
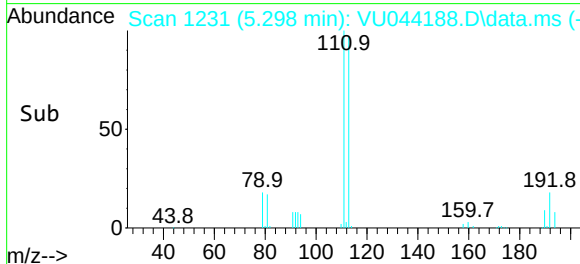


#35
Dibromofluoromethane
Concen: 48.324 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU044188.D
Acq: 14 Jun 2021 17:52

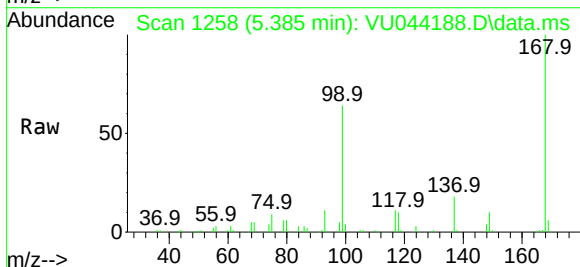
Instrument :
MSVOA_U
ClientSampled :



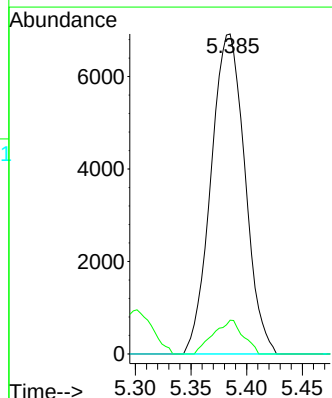
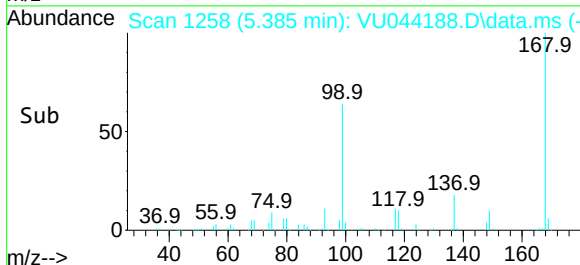
Tgt Ion:113 Resp: 100756
Ion Ratio Lower Upper
113 100
111 104.2 81.0 121.4
192 18.2 14.3 21.5

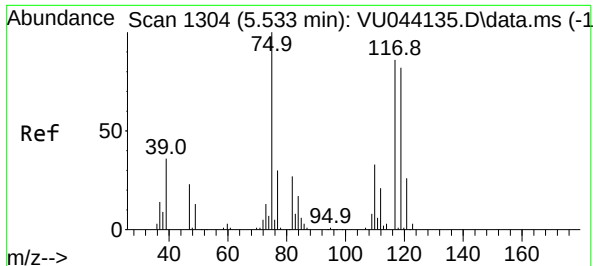


#36
1,1-Dichloropropene
Concen: 4.400 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.148 min
Lab File: VU044188.D
Acq: 14 Jun 2021 17:52



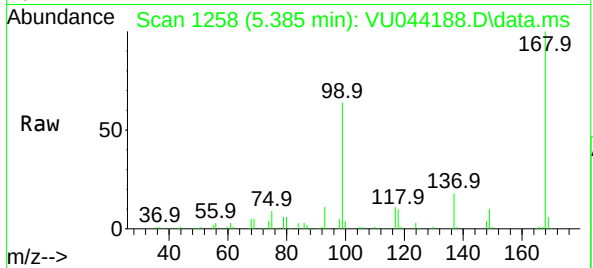
Tgt Ion: 75 Resp: 14672
Ion Ratio Lower Upper
75 100
110 9.2 16.4 49.4#
77 0.0 24.7 37.1#



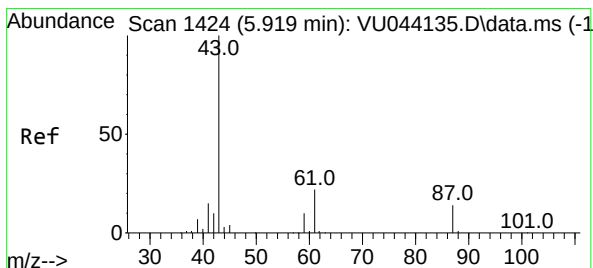
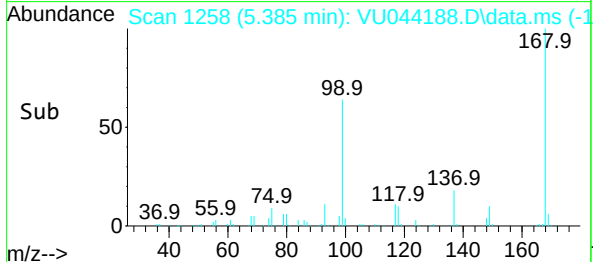
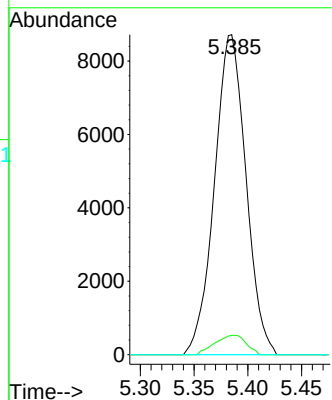


#38
Carbon Tetrachloride
Concen: 5.901 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.148 min
Lab File: VU044188.D
Acq: 14 Jun 2021 17:52

Instrument :
MSVOA_U
ClientSampled :

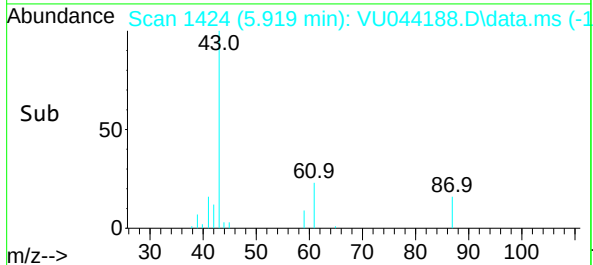
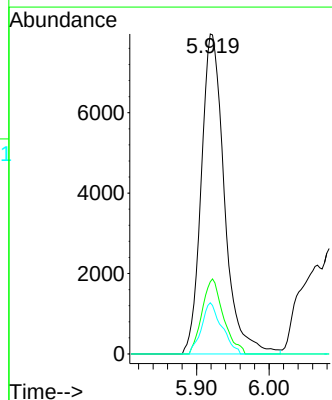
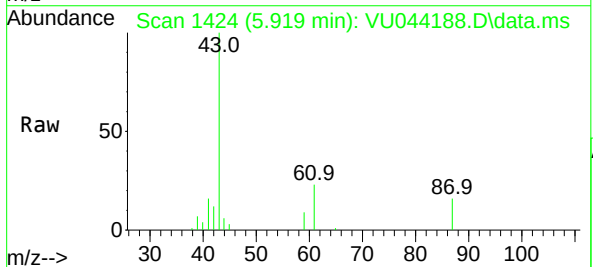


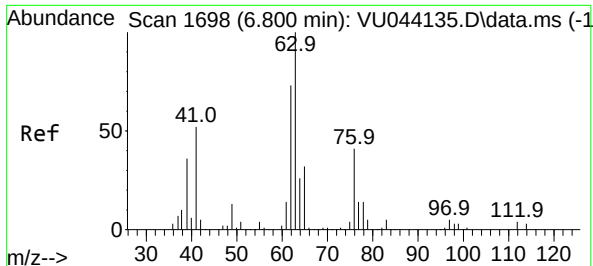
Tgt Ion:117 Resp: 17766
Ion Ratio Lower Upper
117 100
119 6.0 76.6 114.8#
121 0.0 24.6 36.8#



#43
Isopropyl Acetate
Concen: 3.116 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. -0.000 min
Lab File: VU044188.D
Acq: 14 Jun 2021 17:52

Tgt Ion: 43 Resp: 17655
Ion Ratio Lower Upper
43 100
61 21.5 17.8 26.8
87 13.9 11.1 16.7



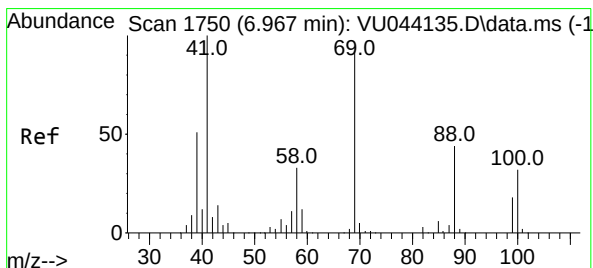
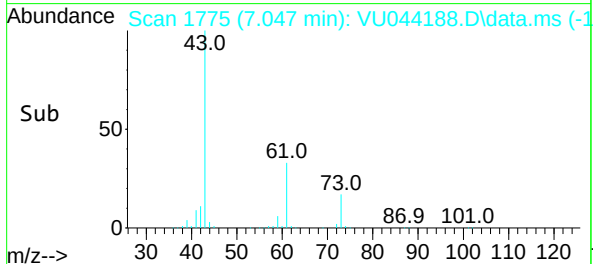
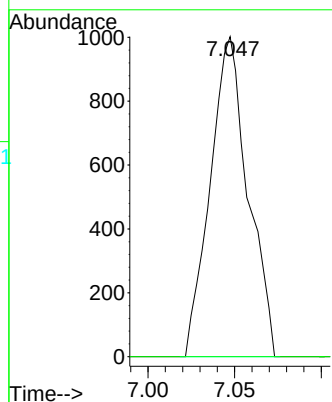
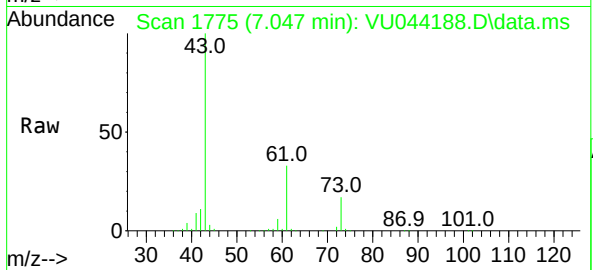


#45

1,2-Dichloropropane
Concen: 0.566 ug/l
RT: 7.047 min Scan# 1775
Delta R.T. 0.247 min
Lab File: VU044188.D
Acq: 14 Jun 2021 17:52

Instrument :
MSVOA_U
ClientSampled :

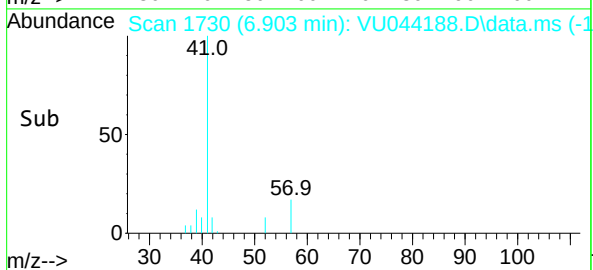
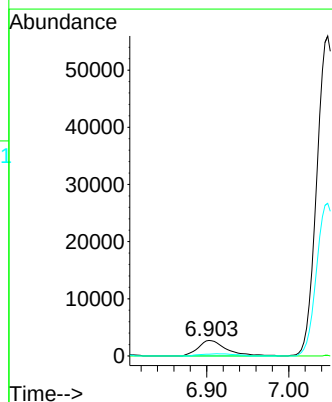
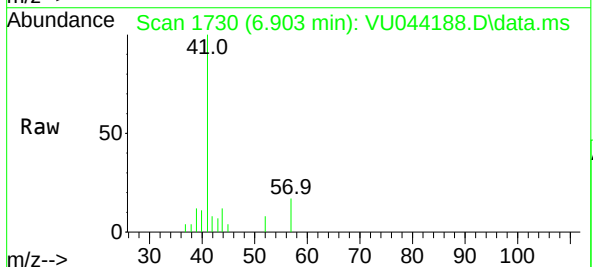
Tgt Ion: 63 Resp: 1520
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

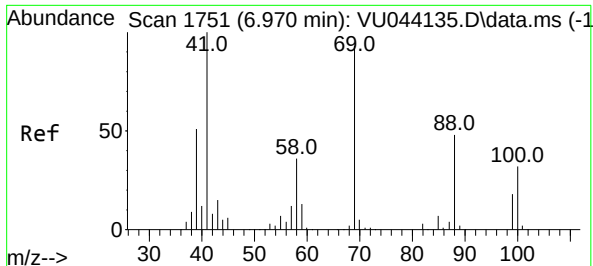


#48

Methyl methacrylate
Concen: 2.343 ug/l
RT: 6.903 min Scan# 1730
Delta R.T. -0.064 min
Lab File: VU044188.D
Acq: 14 Jun 2021 17:52

Tgt Ion: 41 Resp: 6460
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: 2.149 ug/l

RT: 7.047 min Scan# 1775

Delta R.T. 0.077 min

Lab File: VU044188.D

Acq: 14 Jun 2021 17:52

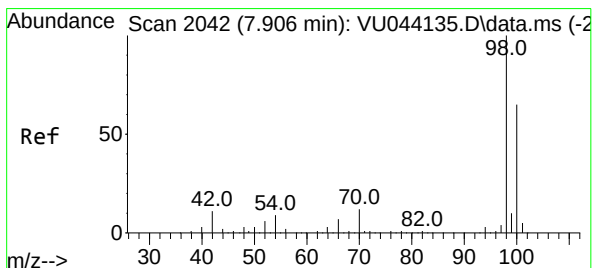
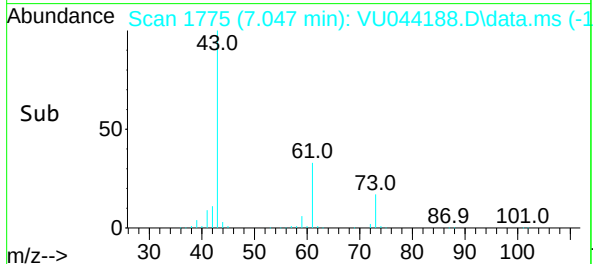
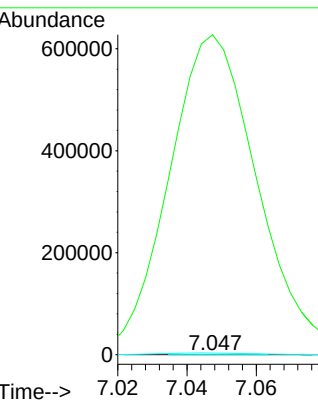
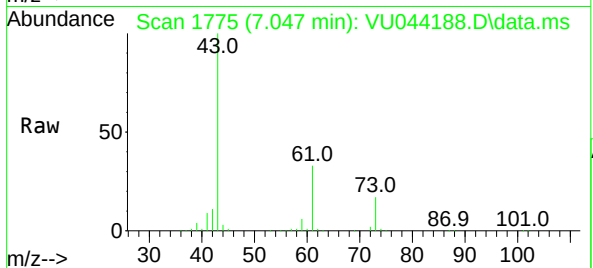
Tgt Ion: 88 Resp: 155

Ion Ratio Lower Upper

88 100

43 740020.6 23.4 35.0#

58 4306.5 58.1 87.1#



#50

Toluene-d8

Concen: 49.665 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU044188.D

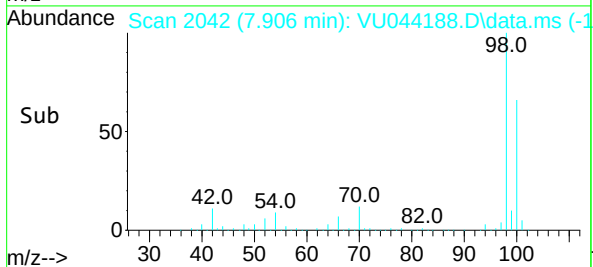
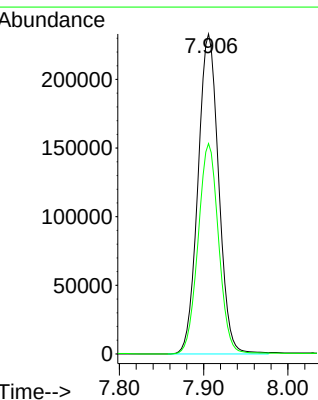
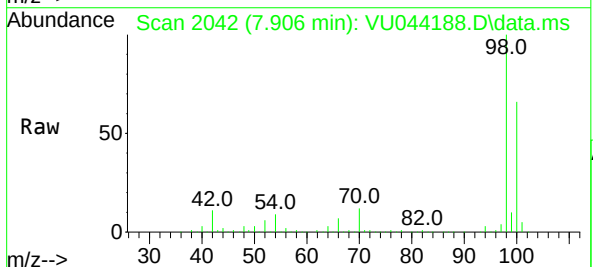
Acq: 14 Jun 2021 17:52

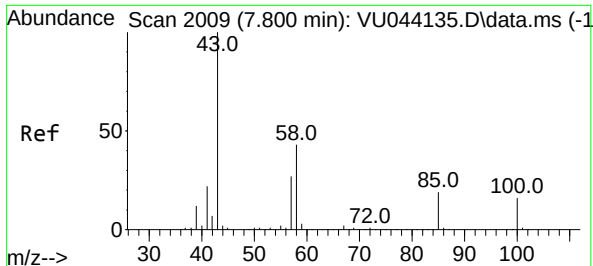
Tgt Ion: 98 Resp: 397686

Ion Ratio Lower Upper

98 100

100 65.5 52.2 78.4

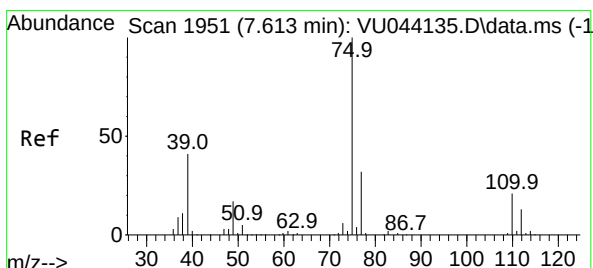
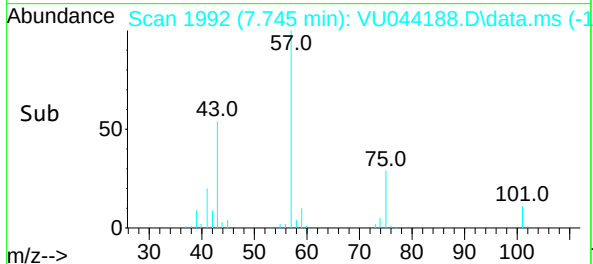
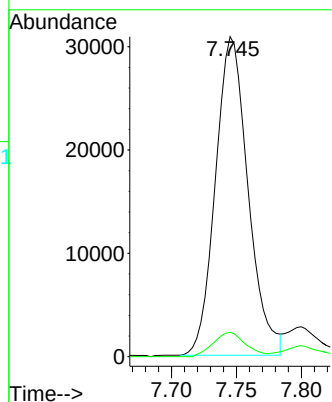
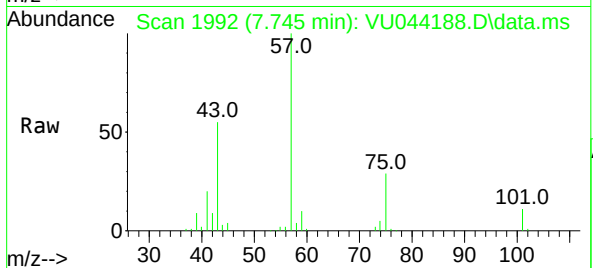




#51
4-Methyl-2-Pentanone
Concen: 13.150 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. -0.055 min
Lab File: VU044188.D
Acq: 14 Jun 2021 17:52

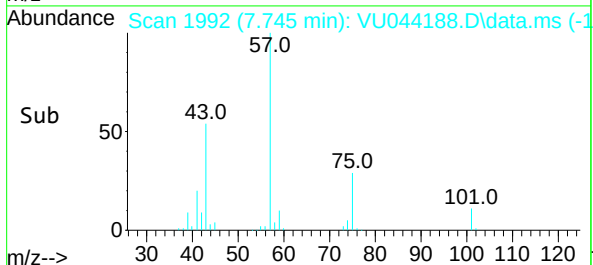
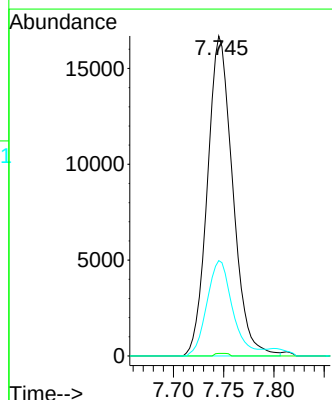
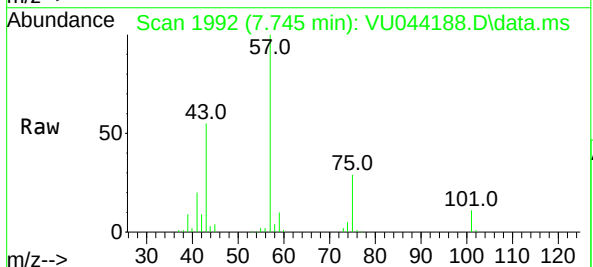
Instrument :
MSVOA_U
ClientSampled :

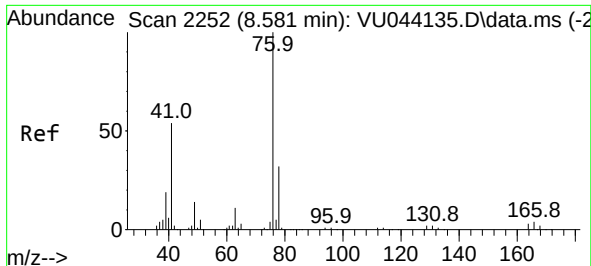
Tgt Ion: 43 Resp: 53926
Ion Ratio Lower Upper
43 100
58 7.6 34.5 51.7#



#54
cis-1,3-Dichloropropene
Concen: 7.267 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.132 min
Lab File: VU044188.D
Acq: 14 Jun 2021 17:52

Tgt Ion: 75 Resp: 29207
Ion Ratio Lower Upper
75 100
77 0.8 25.9 38.9#
39 29.8 33.2 49.8#



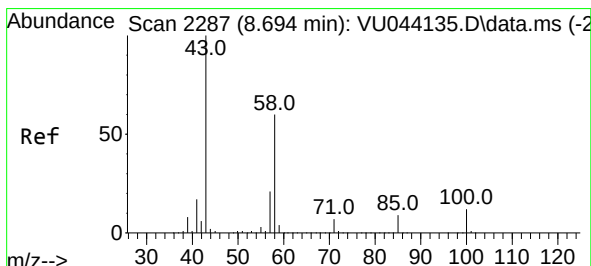
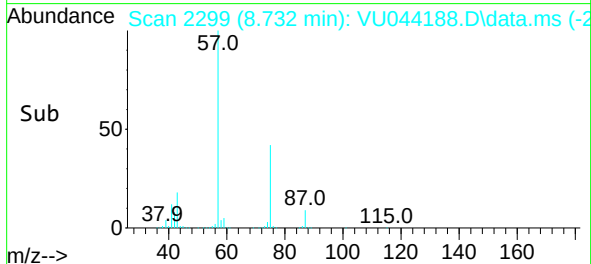
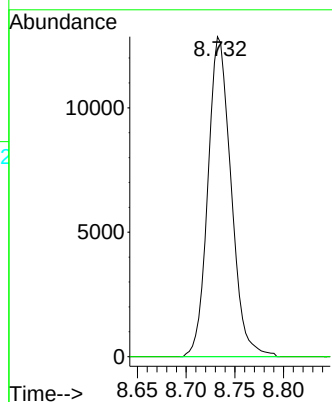
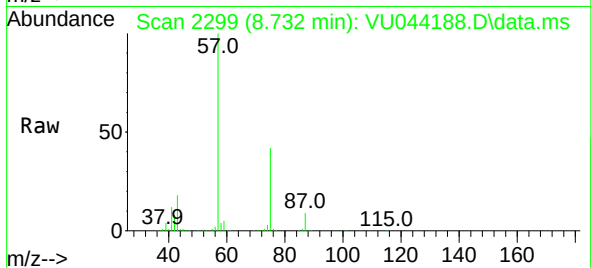


#57

1,3-Dichloropropane
Concen: 4.873 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU044188.D
Acq: 14 Jun 2021 17:52

Instrument :
MSVOA_U
ClientSampled :

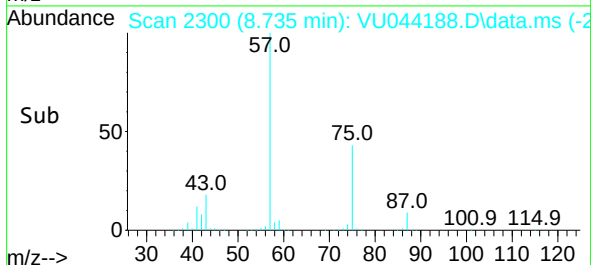
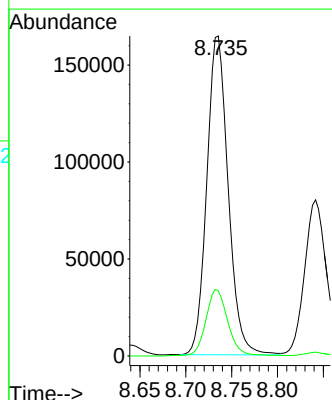
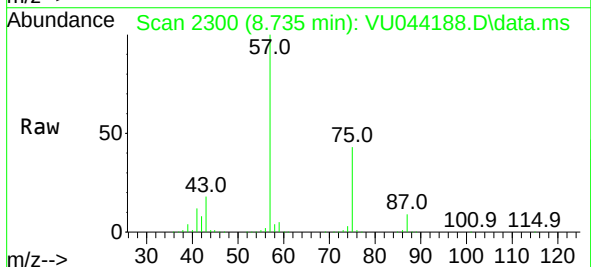
Tgt Ion: 76 Resp: 21268
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

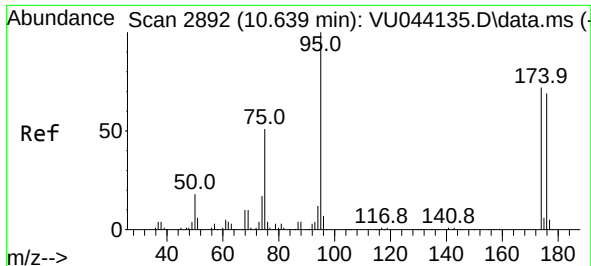


#59

2-Hexanone
Concen: 81.470 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.041 min
Lab File: VU044188.D
Acq: 14 Jun 2021 17:52

Tgt Ion: 43 Resp: 266616
Ion Ratio Lower Upper
43 100
58 21.6 30.0 90.1#

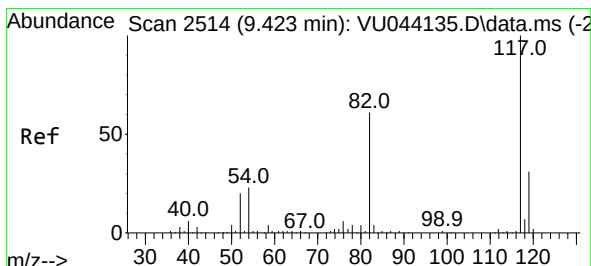
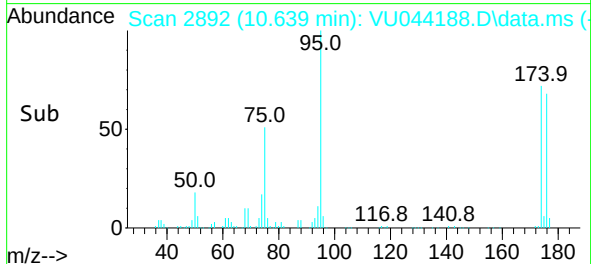
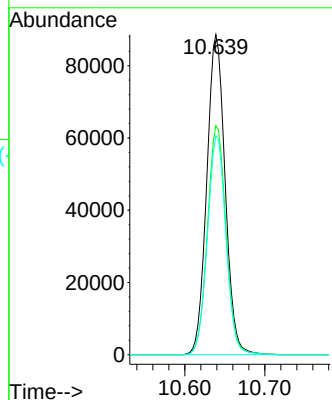
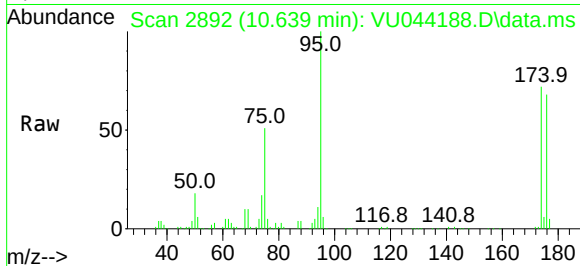




#62
4-Bromofluorobenzene
Concen: 44.135 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044188.D
Acq: 14 Jun 2021 17:52

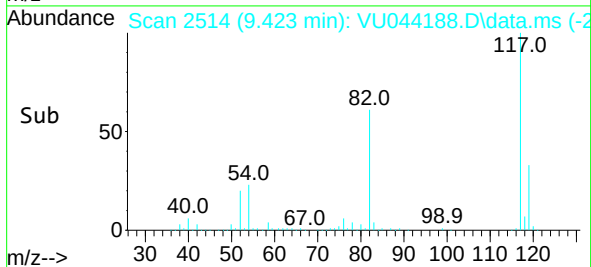
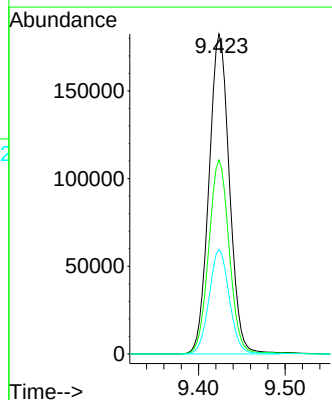
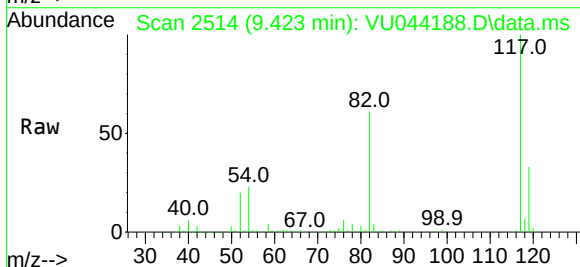
Instrument :
MSVOA_U
ClientSampleId :

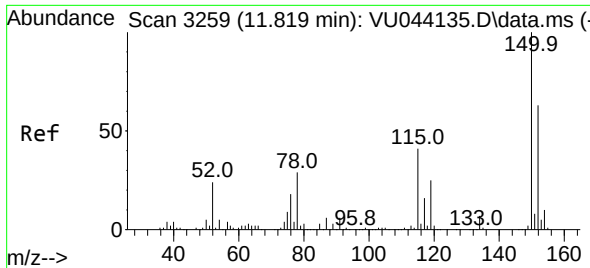
Tgt Ion: 95 Resp: 141629
Ion Ratio Lower Upper
95 100
174 72.6 0.0 144.4
176 68.8 0.0 138.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044188.D
Acq: 14 Jun 2021 17:52

Tgt Ion: 117 Resp: 299389
Ion Ratio Lower Upper
117 100
82 60.6 48.8 73.2
119 32.7 25.0 37.6

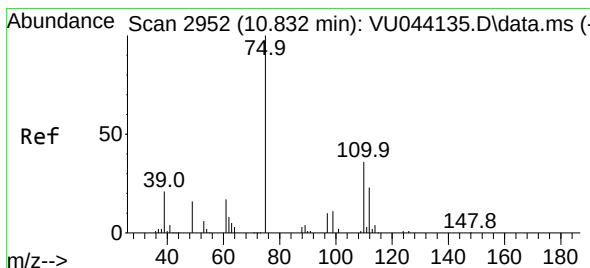
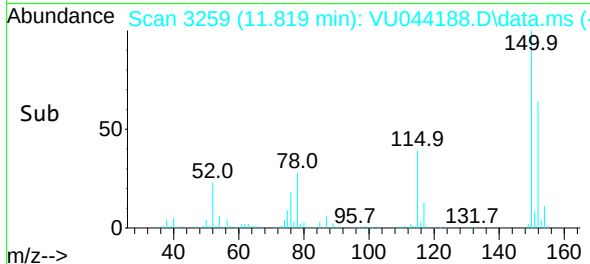
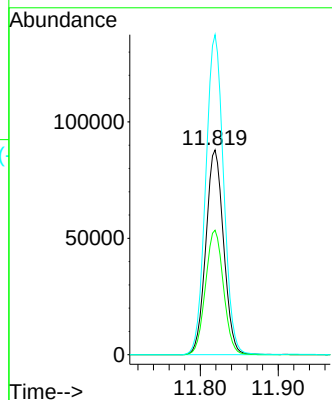
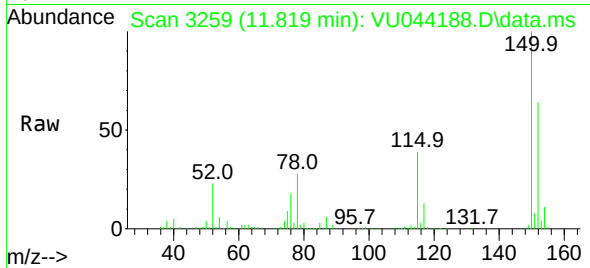




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. 0.000 min
 Lab File: VU044188.D
 Acq: 14 Jun 2021 17:52

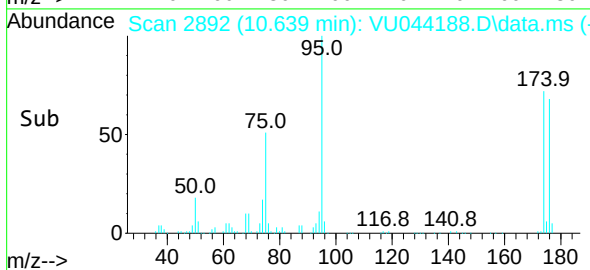
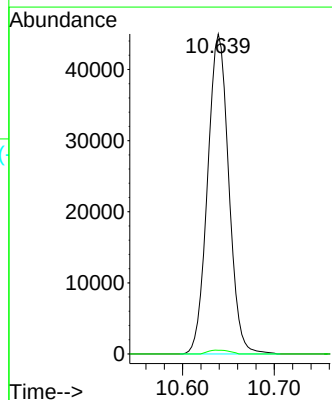
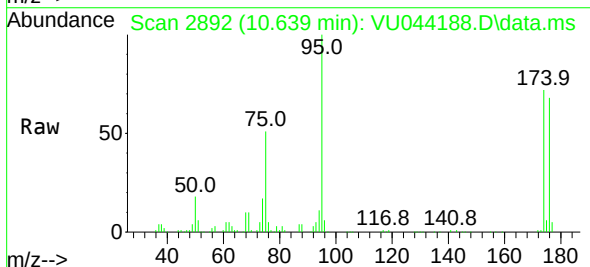
Instrument :
 MSVOA_U
 ClientSampled :

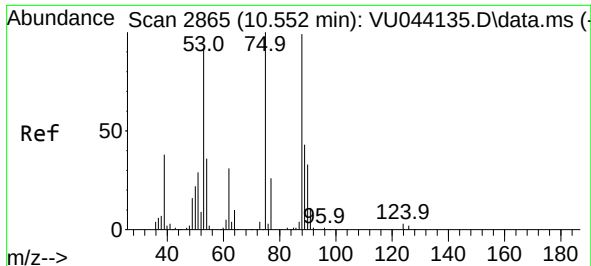
Tgt Ion:152 Resp: 139585
 Ion Ratio Lower Upper
 152 100
 115 61.5 43.8 131.3
 150 157.2 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 15.416 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.193 min
 Lab File: VU044188.D
 Acq: 14 Jun 2021 17:52

Tgt Ion: 75 Resp: 72149
 Ion Ratio Lower Upper
 75 100
 77 1.2 14.9 44.5#

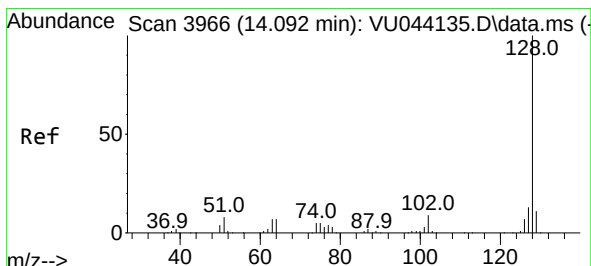
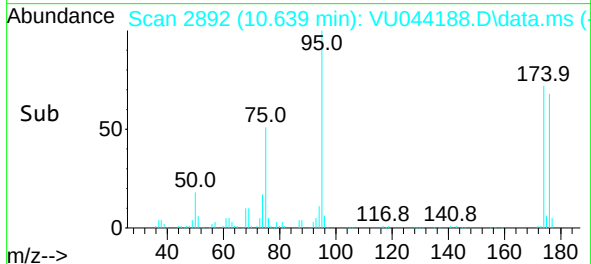
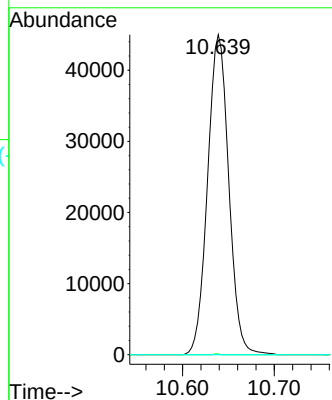
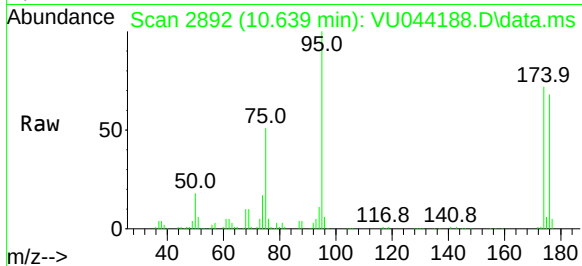




#81
trans-1,4-Dichloro-2-butene
Concen: 55.884 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044188.D
Acq: 14 Jun 2021 17:52

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 75 Resp: 72149
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.2#
89 0.0 35.0 52.6#



#95
Naphthalene
Concen: 2.850 ug/l
RT: 14.105 min Scan# 3970
Delta R.T. 0.013 min
Lab File: VU044188.D
Acq: 14 Jun 2021 17:52

Tgt Ion: 128 Resp: 145
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

