

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061421\
 Data File : VU044208.D
 Acq On : 15 Jun 2021 02:24
 Operator : SY/MD
 Sample : M2687-14
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

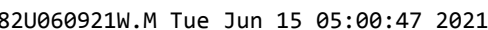
Quant Time: Jun 15 05:00:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 10 05:11:37 2021
 Response via : Initial Calibration

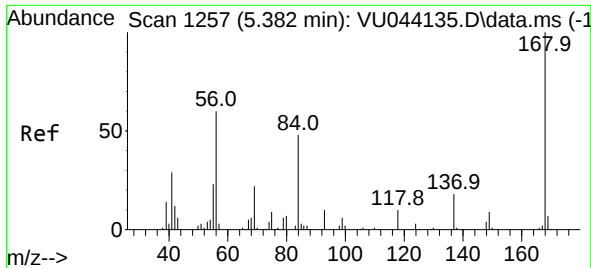
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.385	168	174580	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.259	114	319359	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	312409	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	147967	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.713	65	133318	48.021	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.040%	
35) Dibromofluoromethane	5.298	113	103862	46.752	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.500%	
50) Toluene-d8	7.906	98	409676	48.018	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.040%	
62) 4-Bromofluorobenzene	10.639	95	144106	42.147	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.300%	
Target Compounds					Qvalue	
3) Chloromethane	1.526	50	334	Below Cal	#	41
6) Chloroethane	1.899	64	86	Below Cal	#	42
11) Tert butyl alcohol	3.192	59	985	1.319	ug/l #	73
13) Acrolein	2.510	56	19	Below Cal	#	15
16) Acetone	2.652	43	10678	5.353	ug/l	98
18) Methyl Acetate	2.964	43	1677	0.470	ug/l #	88
20) Methylene Chloride	3.057	84	13684	4.375	ug/l	97
25) 2-Butanone	4.732	43	2540	1.096	ug/l	100
29) Tetrahydrofuran	5.073	42	562	0.446	ug/l #	69
31) Cyclohexane	5.385	56	3737	0.954	ug/l #	1
36) 1,1-Dichloropropene	5.385	75	15001	4.222	ug/l #	50
37) Ethyl Acetate	4.732	43	2540	0.597	ug/l #	67
38) Carbon Tetrachloride	5.385	117	18857	5.879	ug/l #	17
43) Isopropyl Acetate	5.922	43	17832	2.954	ug/l	99
45) 1,2-Dichloropropane	7.047	63	1557	0.544	ug/l #	43
48) Methyl methacrylate	6.906	41	7208	2.454	ug/l #	11
49) 1,4-Dioxane	7.037	88	145	1.887	ug/l #	1
51) 4-Methyl-2-Pentanone	7.745	43	55004	12.589	ug/l #	45
54) cis-1,3-Dichloropropene	7.745	75	31031	7.247	ug/l #	62
56) Ethyl methacrylate	8.578	69	1244	0.311	ug/l #	1
57) 1,3-Dichloropropane	8.735	76	21061	4.529	ug/l #	42
59) 2-Hexanone	8.735	43	263323	75.518	ug/l #	49
76) 1,2,3-Trichloropropane	10.639	75	71910	14.495	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.639	75	71910	52.544	ug/l #	13
95) Naphthalene	14.102	128	487	2.880	ug/l #	69

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

Quant Time: Jun 15 05:00:38 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

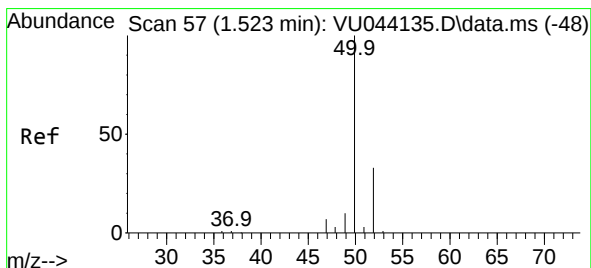
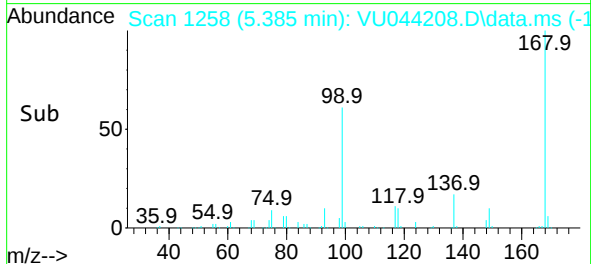
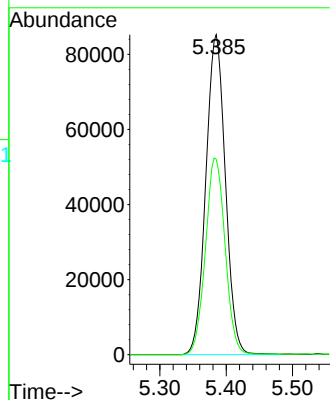
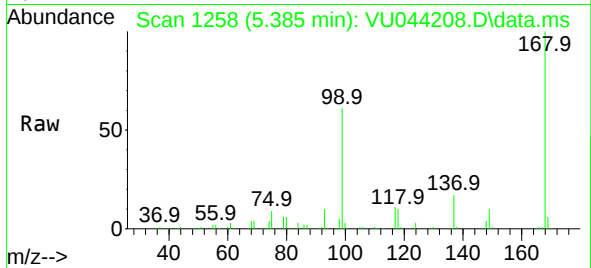




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. 0.003 min
Lab File: VU044208.D
Acq: 15 Jun 2021 02:24

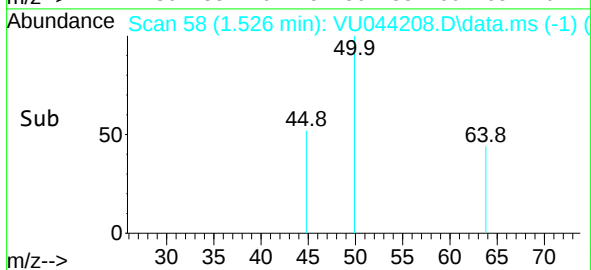
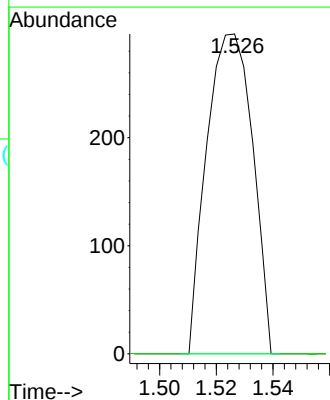
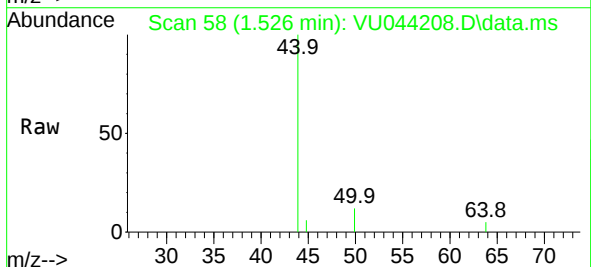
Instrument :
MSVOA_U
ClientSampled :

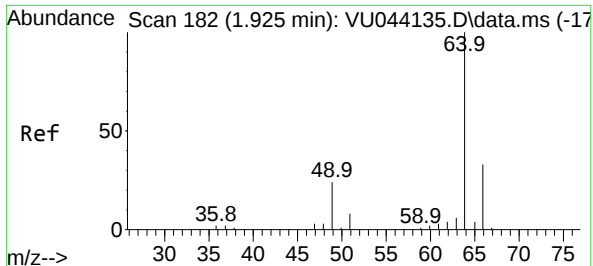
Tgt Ion:168 Resp: 174580
Ion Ratio Lower Upper
168 100
99 61.1 51.3 76.9



#3
Chloromethane
Concen: Below Cal
RT: 1.526 min Scan# 58
Delta R.T. 0.003 min
Lab File: VU044208.D
Acq: 15 Jun 2021 02:24

Tgt Ion: 50 Resp: 334
Ion Ratio Lower Upper
50 100
52 0.0 26.6 39.8#

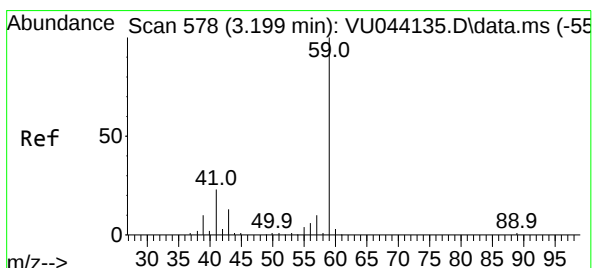
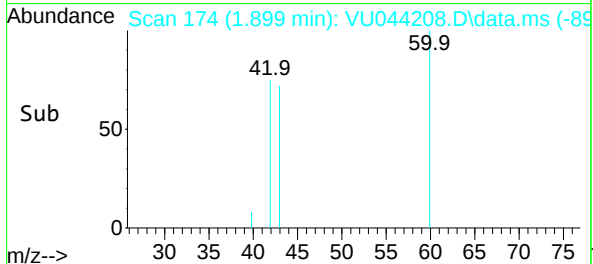
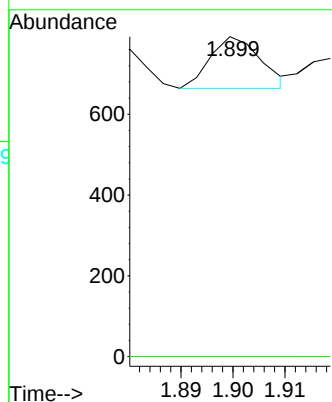
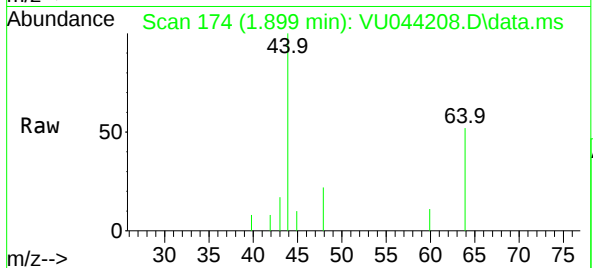




#6
Chloroethane
Concen: Below Cal
RT: 1.899 min Scan# 174
Delta R.T. -0.026 min
Lab File: VU044208.D
Acq: 15 Jun 2021 02:24

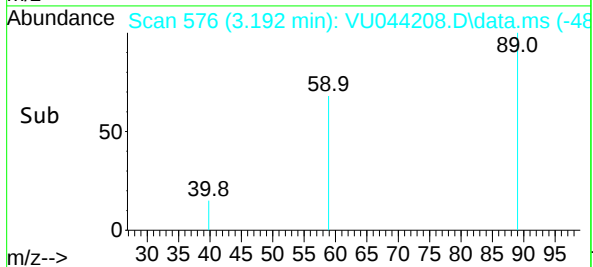
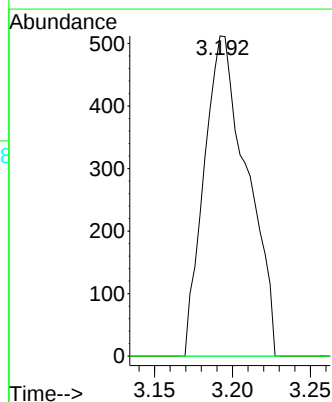
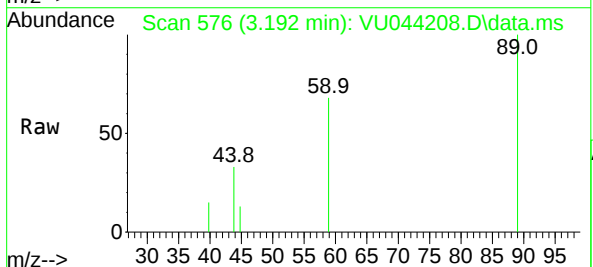
Instrument :
MSVOA_U
ClientSampled :

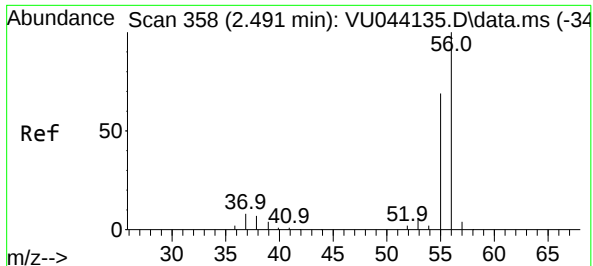
Tgt Ion: 64 Resp: 86
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#



#11
Tert butyl alcohol
Concen: 1.319 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.007 min
Lab File: VU044208.D
Acq: 15 Jun 2021 02:24

Tgt Ion: 59 Resp: 985
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

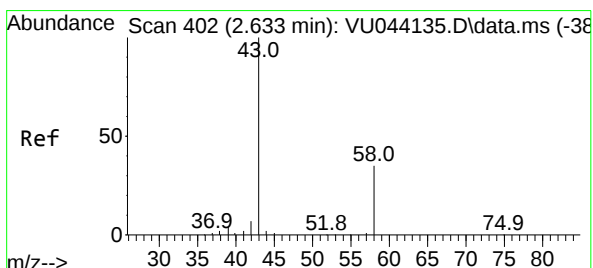
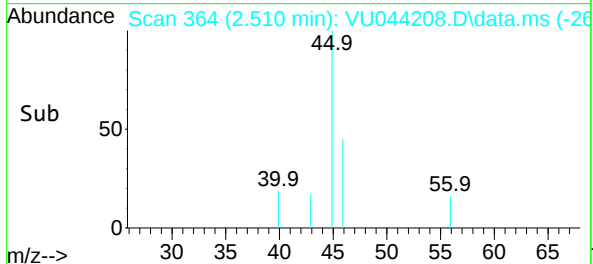
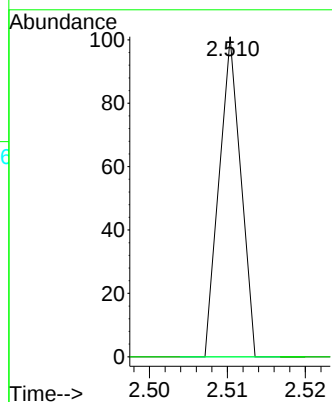
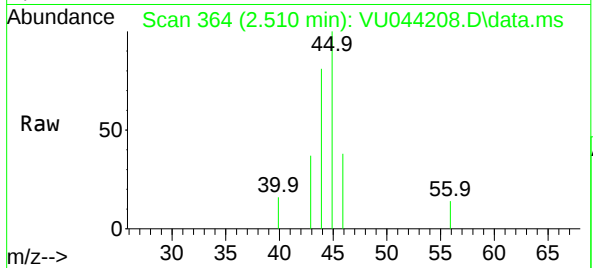




#13
Acrolein
Concen: Below Cal
RT: 2.510 min Scan# 364
Delta R.T. 0.019 min
Lab File: VU044208.D
Acq: 15 Jun 2021 02:24

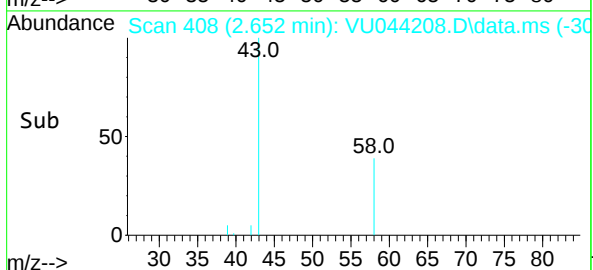
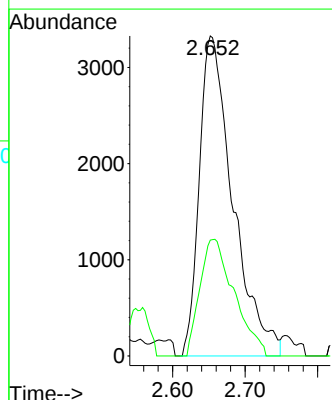
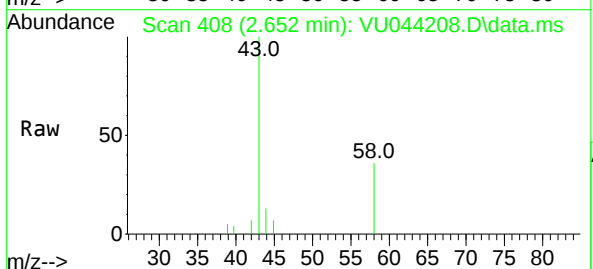
Instrument :
MSVOA_U
ClientSampled :

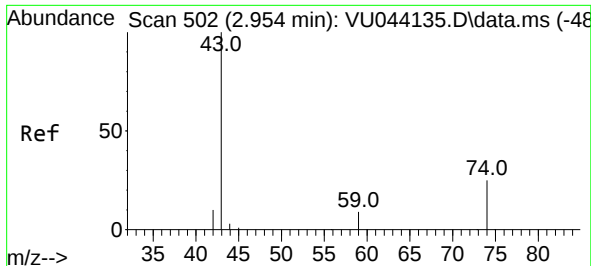
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#



#16
Acetone
Concen: 5.353 ug/l
RT: 2.652 min Scan# 408
Delta R.T. 0.019 min
Lab File: VU044208.D
Acq: 15 Jun 2021 02:24

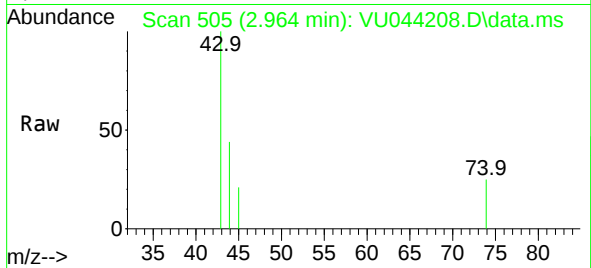
Tgt Ion: 43 Resp: 10678
Ion Ratio Lower Upper
43 100
58 36.2 28.0 42.0



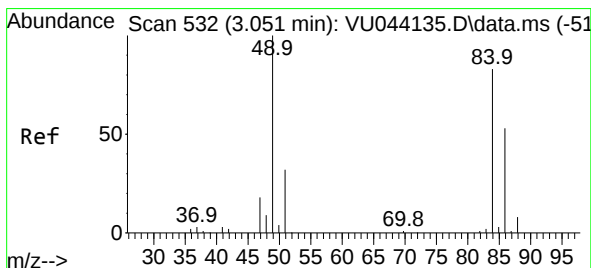
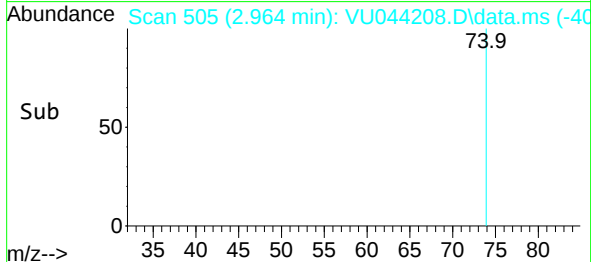
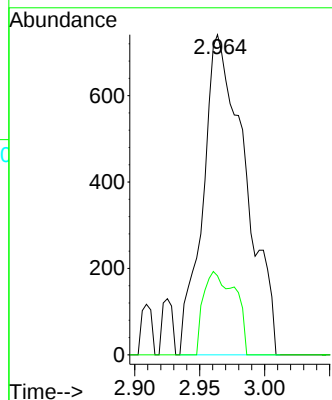


#18
Methyl Acetate
Concen: 0.470 ug/l
RT: 2.964 min Scan# 505
Delta R.T. 0.010 min
Lab File: VU044208.D
Acq: 15 Jun 2021 02:24

Instrument :
MSVOA_U
ClientSampled :

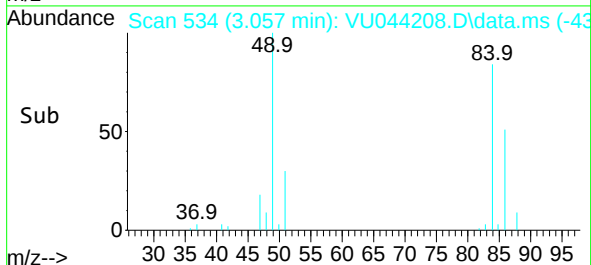
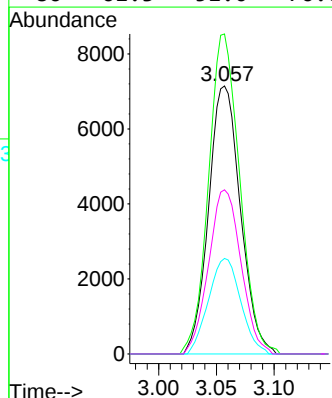
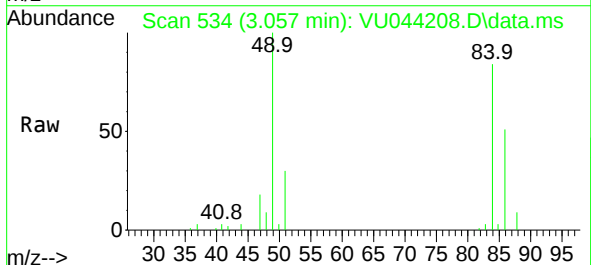


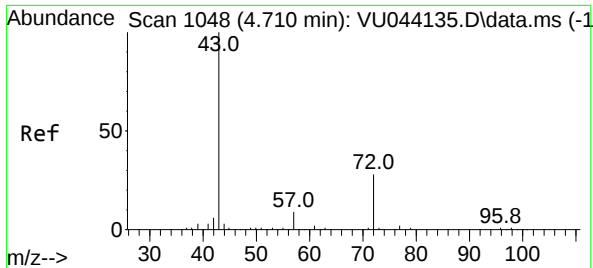
Tgt Ion: 43 Resp: 1677
Ion Ratio Lower Upper
43 100
74 19.5 20.3 30.5#



#20
Methylene Chloride
Concen: 4.375 ug/l
RT: 3.057 min Scan# 534
Delta R.T. 0.006 min
Lab File: VU044208.D
Acq: 15 Jun 2021 02:24

Tgt Ion: 84 Resp: 13684
Ion Ratio Lower Upper
84 100
49 119.4 96.9 145.3
51 35.6 31.0 46.6
86 61.3 51.0 76.6

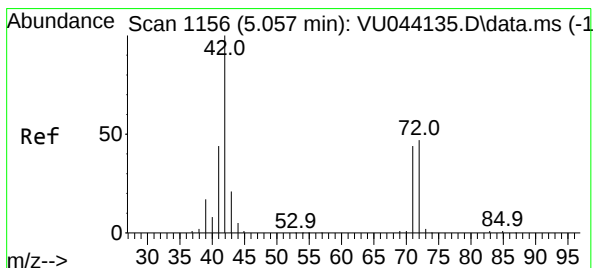
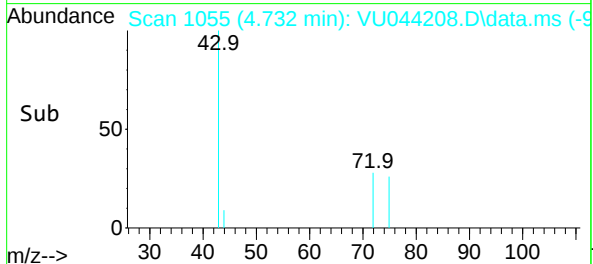
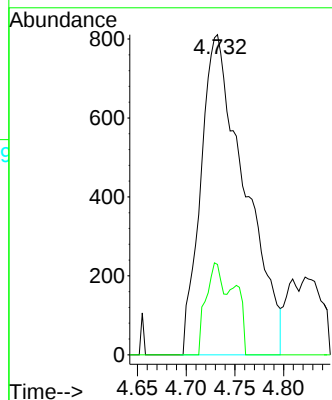
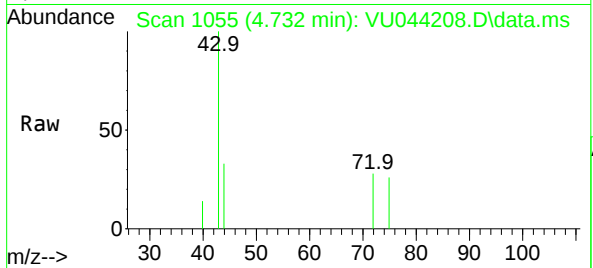




#25
2-Butanone
Concen: 1.096 ug/l
RT: 4.732 min Scan# 1055
Delta R.T. 0.022 min
Lab File: VU044208.D
Acq: 15 Jun 2021 02:24

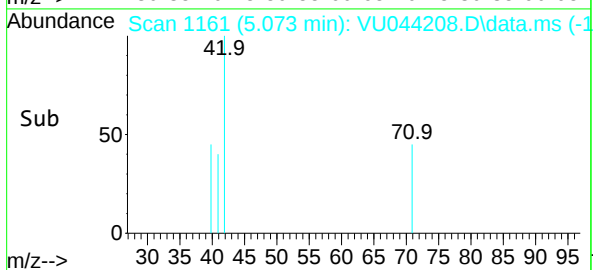
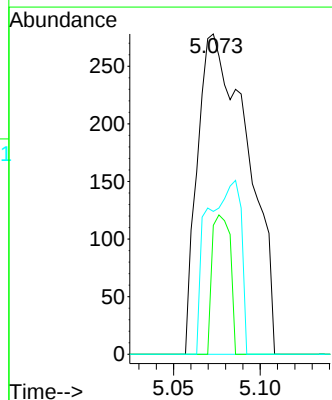
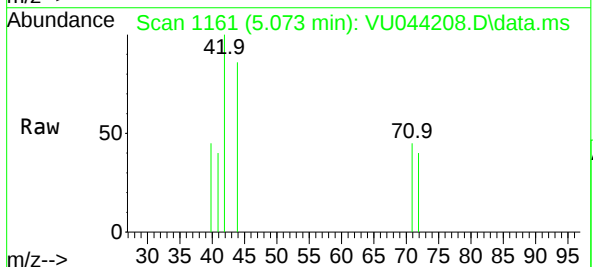
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MSVOA_U
ClientSampled :

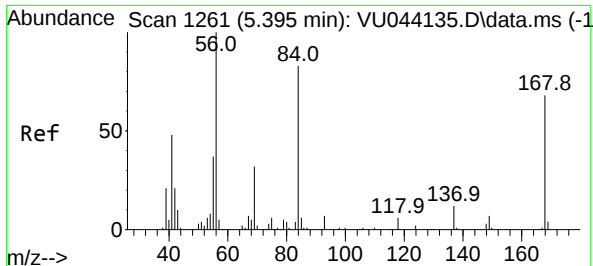
Tgt Ion: 43 Resp: 2540
Ion Ratio Lower Upper
43 100
72 28.2 22.6 33.8



#29
Tetrahydrofuran
Concen: 0.446 ug/l
RT: 5.073 min Scan# 1161
Delta R.T. 0.016 min
Lab File: VU044208.D
Acq: 15 Jun 2021 02:24

Tgt Ion: 42 Resp: 562
Ion Ratio Lower Upper
42 100
72 15.5 38.6 57.8#
71 36.3 35.5 53.3





#31

Cyclohexane

Concen: 0.954 ug/l

RT: 5.385 min Scan# 1258

Delta R.T. -0.010 min

Lab File: VU044208.D

Acq: 15 Jun 2021 02:24

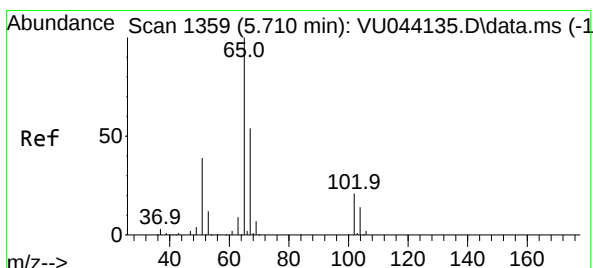
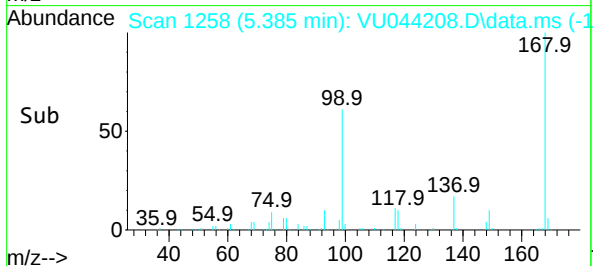
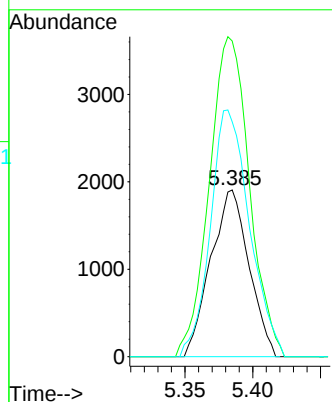
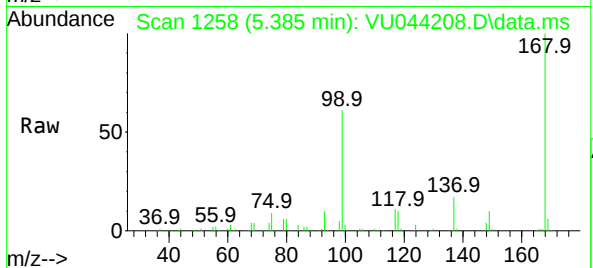
Tgt Ion: 56 Resp: 3737

Ion Ratio Lower Upper

56 100

69 183.0 25.5 38.3#

84 140.9 66.3 99.5#



#33

1,2-Dichloroethane-d4

Concen: 48.021 ug/l

RT: 5.713 min Scan# 1360

Delta R.T. 0.003 min

Lab File: VU044208.D

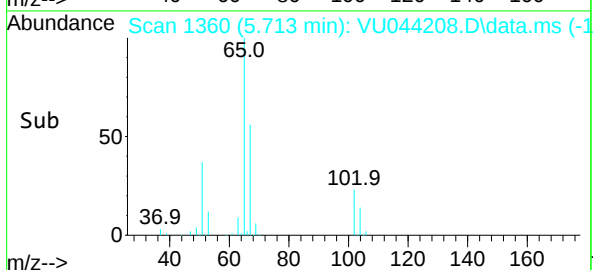
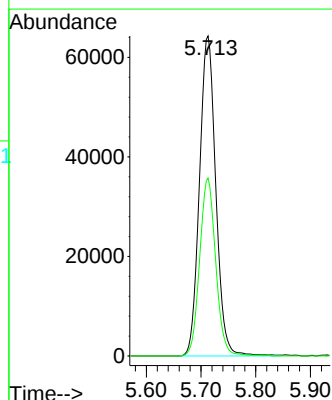
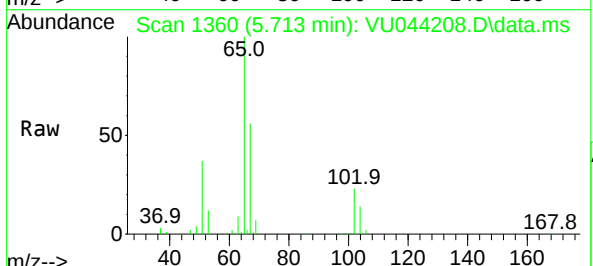
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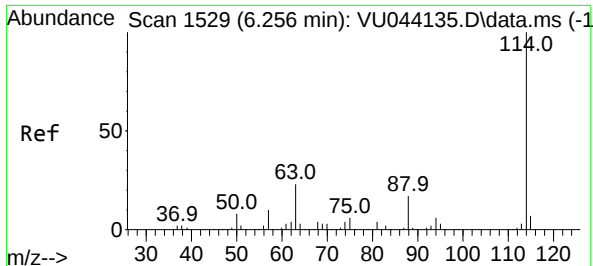
Tgt Ion: 65 Resp: 133318

Ion Ratio Lower Upper

65 100

67 54.3 0.0 106.6

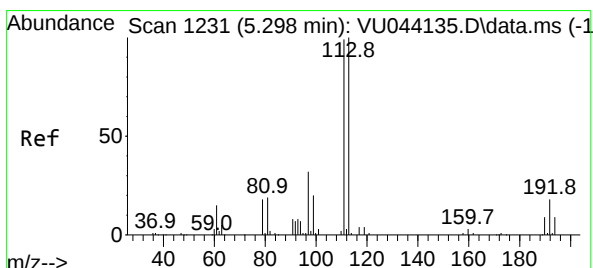
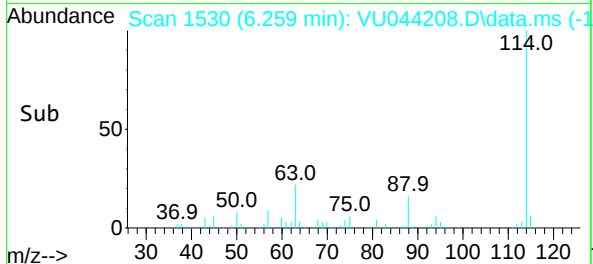
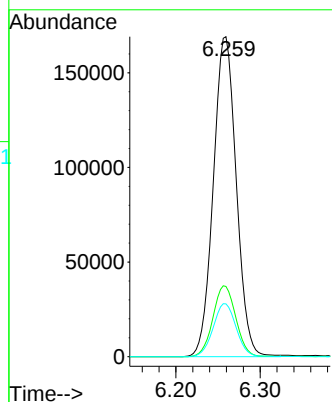
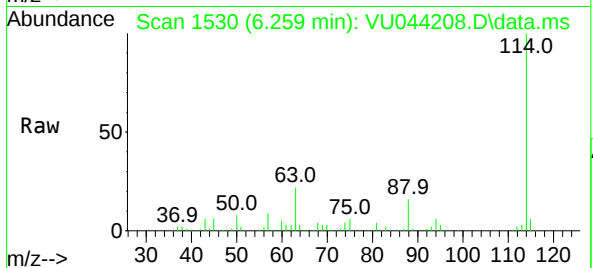




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.259 min Scan# 1530
Delta R.T. 0.003 min
Lab File: VU044208.D
Acq: 15 Jun 2021 02:24

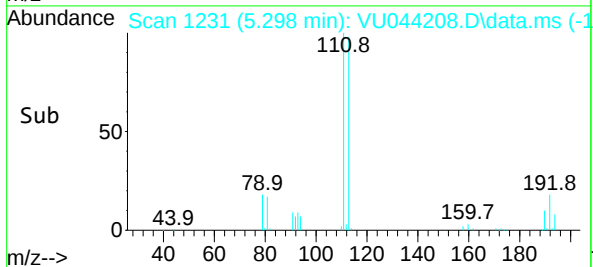
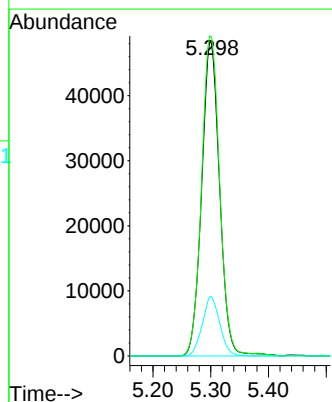
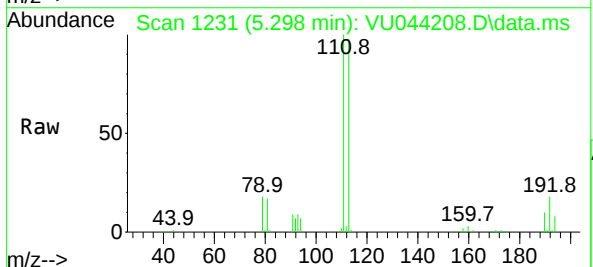
Instrument :
MSVOA_U
ClientSampled :

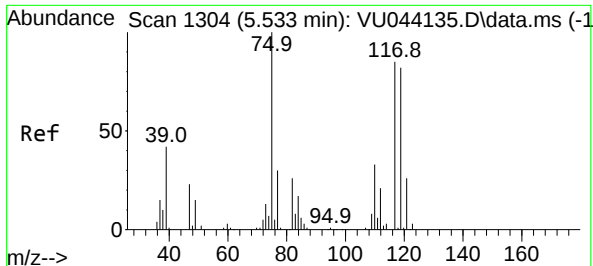
Tgt Ion:114 Resp: 319359
Ion Ratio Lower Upper
114 100
63 21.9 0.0 45.8
88 16.5 0.0 34.0



#35
Dibromofluoromethane
Concen: 46.752 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU044208.D
Acq: 15 Jun 2021 02:24

Tgt Ion:113 Resp: 103862
Ion Ratio Lower Upper
113 100
111 103.0 81.0 121.4
192 18.4 14.3 21.5

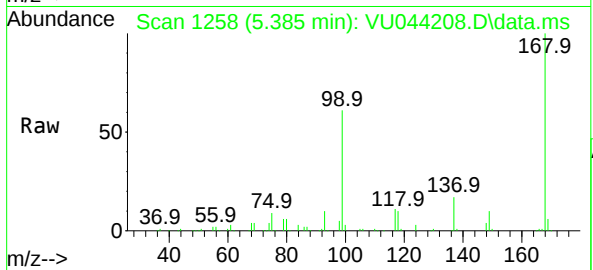




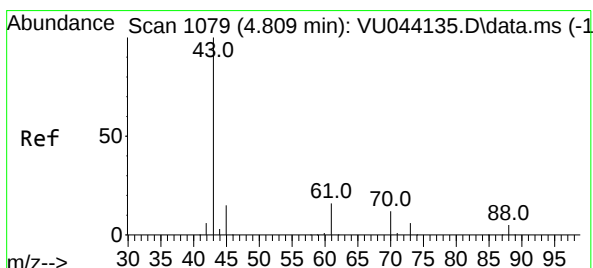
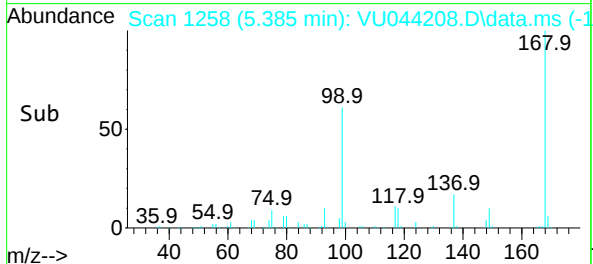
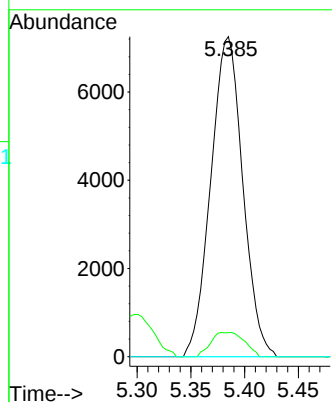
#36

1,1-Dichloropropene
Concen: 4.222 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.148 min
Lab File: VU044208.D
Acq: 15 Jun 2021 02:24

Instrument :
MSVOA_U
ClientSampled :

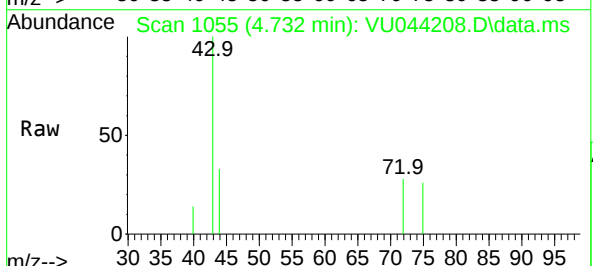


Tgt Ion: 75	Resp: 15001
Ion Ratio	Lower Upper
75 100	
110 7.9	16.4 49.4#
77 0.0	24.7 37.1#

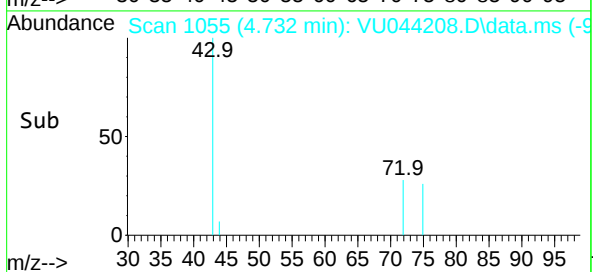
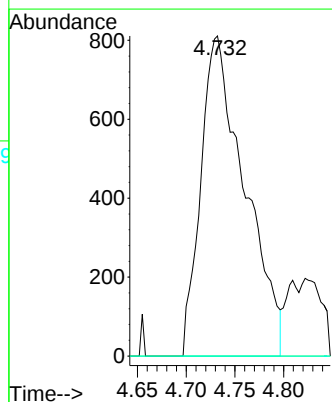


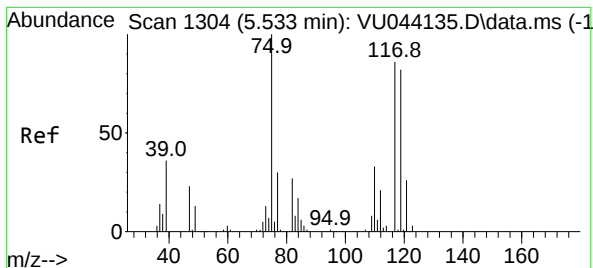
#37

Ethyl Acetate
Concen: 0.597 ug/l
RT: 4.732 min Scan# 1055
Delta R.T. -0.077 min
Lab File: VU044208.D
Acq: 15 Jun 2021 02:24



Tgt Ion: 43	Resp: 2540
Ion Ratio	Lower Upper
43 100	
61 0.0	11.9 17.9#
70 0.0	9.4 14.0#

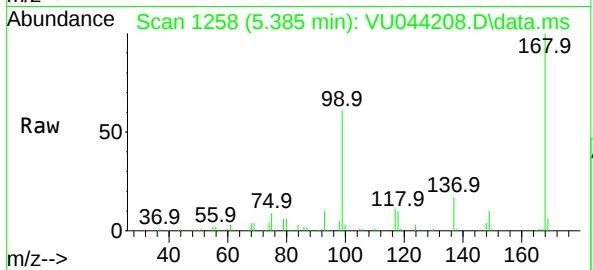




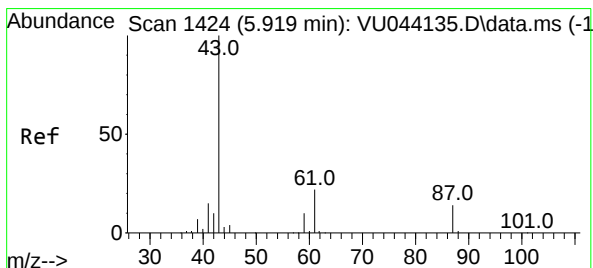
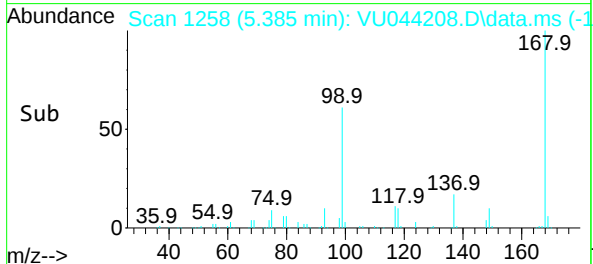
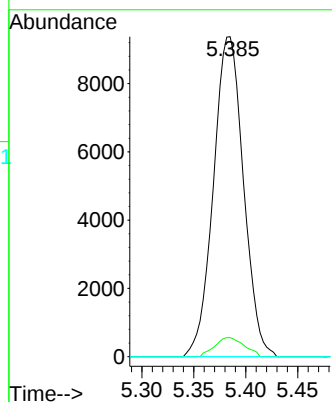
#38

Carbon Tetrachloride
Concen: 5.879 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.148 min
Lab File: VU044208.D
Acq: 15 Jun 2021 02:24

Instrument :
MSVOA_U
ClientSampled :



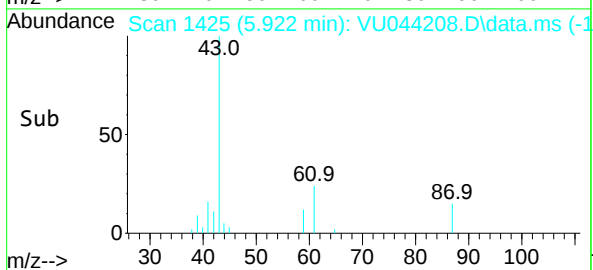
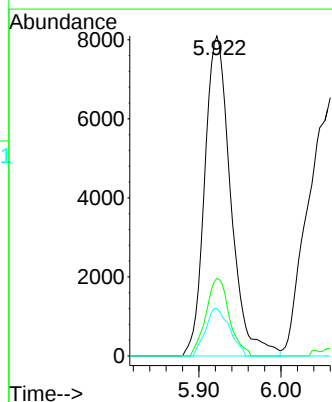
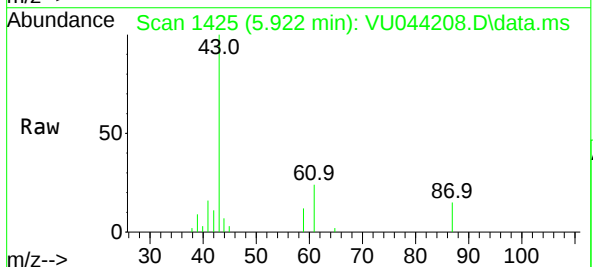
Tgt Ion:117 Resp: 18857
Ion Ratio Lower Upper
117 100
119 6.0 76.6 114.8#
121 0.0 24.6 36.8#

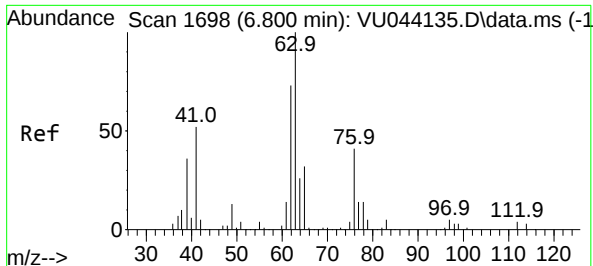


#43

Isopropyl Acetate
Concen: 2.954 ug/l
RT: 5.922 min Scan# 1425
Delta R.T. 0.003 min
Lab File: VU044208.D
Acq: 15 Jun 2021 02:24

Tgt Ion: 43 Resp: 17832
Ion Ratio Lower Upper
43 100
61 21.8 17.8 26.8
87 13.7 11.1 16.7



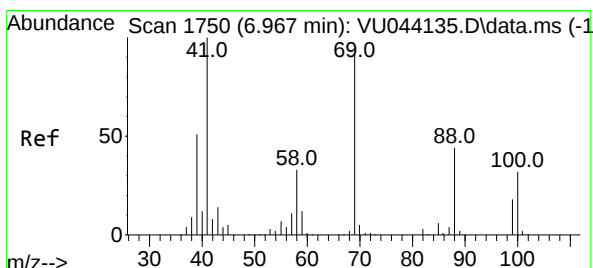
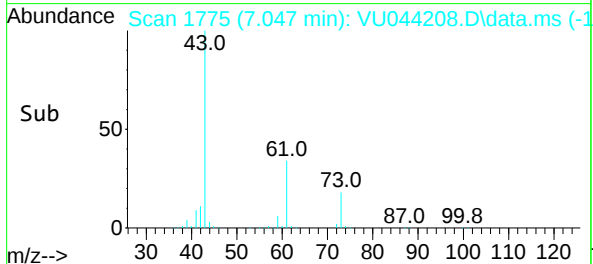
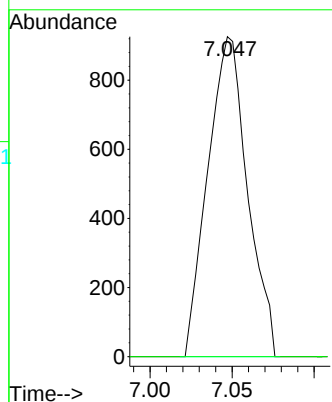
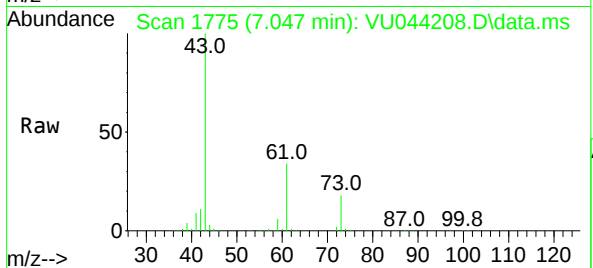


#45

1,2-Dichloropropane
Concen: 0.544 ug/l
RT: 7.047 min Scan# 1775
Delta R.T. 0.247 min
Lab File: VU044208.D
Acq: 15 Jun 2021 02:24

Instrument :
MSVOA_U
ClientSampled :

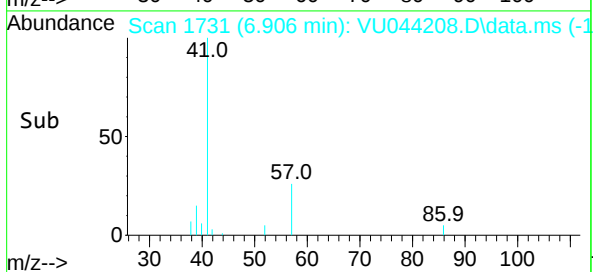
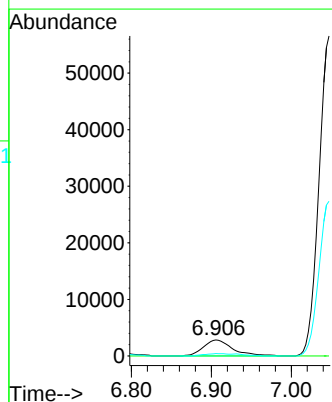
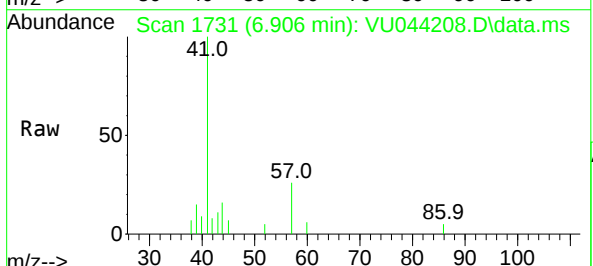
Tgt Ion: 63 Resp: 1557
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

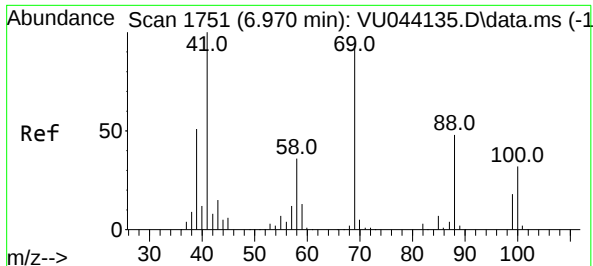


#48

Methyl methacrylate
Concen: 2.454 ug/l
RT: 6.906 min Scan# 1731
Delta R.T. -0.061 min
Lab File: VU044208.D
Acq: 15 Jun 2021 02:24

Tgt Ion: 41 Resp: 7208
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: 1.887 ug/l

RT: 7.037 min Scan# 1772

Delta R.T. 0.067 min

Lab File: VU044208.D

Acq: 15 Jun 2021 02:24

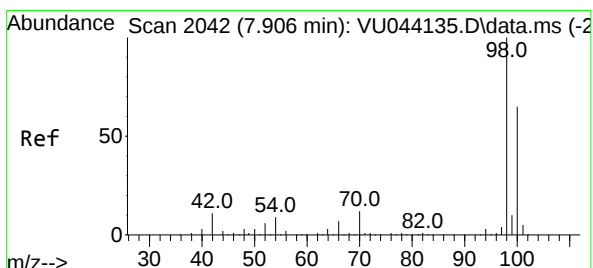
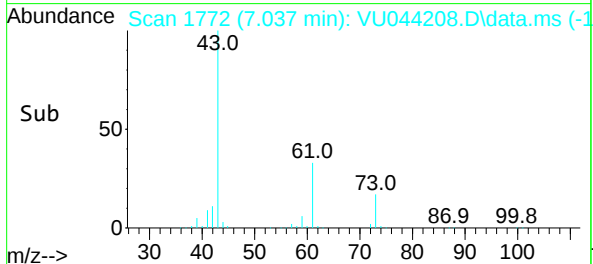
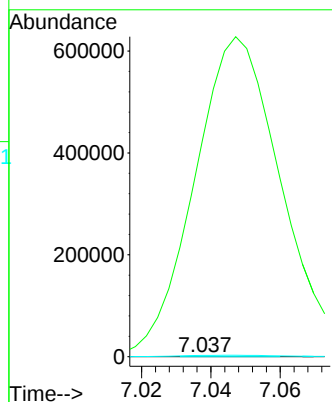
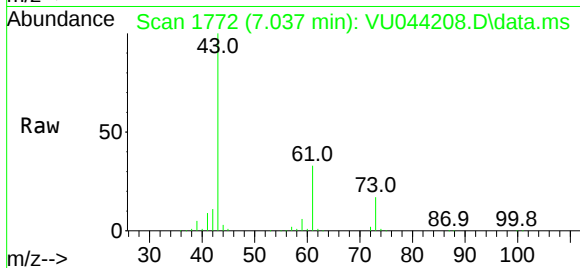
Tgt Ion: 88 Resp: 145

Ion Ratio Lower Upper

88 100

43 778530.3 23.4 35.0#

58 4116.6 58.1 87.1#



#50

Toluene-d8

Concen: 48.018 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU044208.D

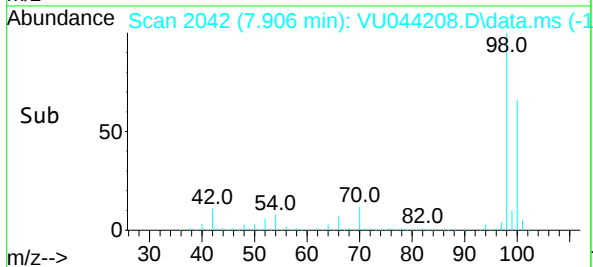
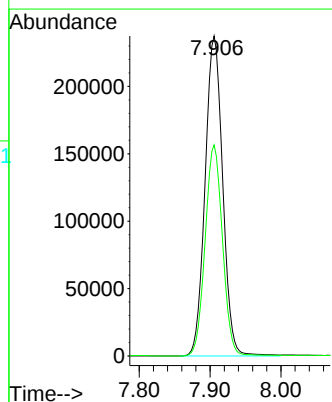
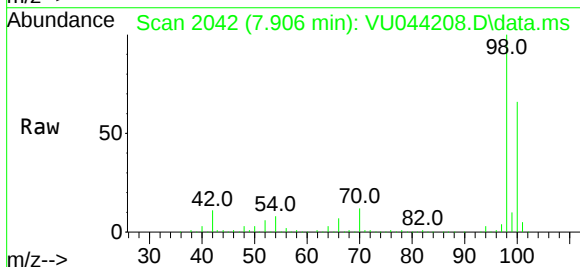
Acq: 15 Jun 2021 02:24

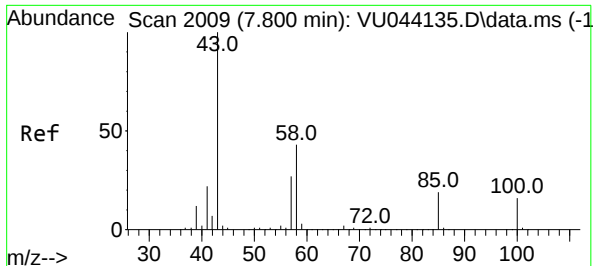
Tgt Ion: 98 Resp: 409676

Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.4

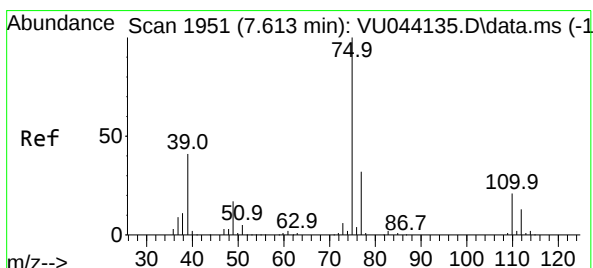
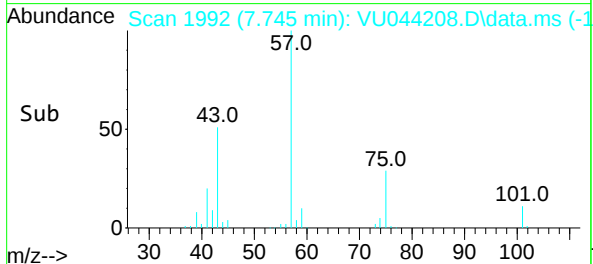
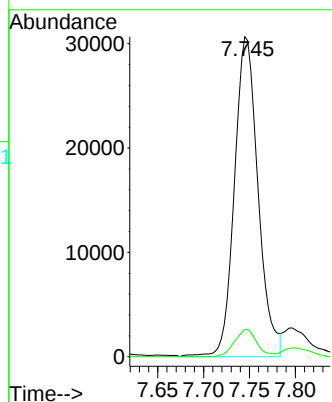
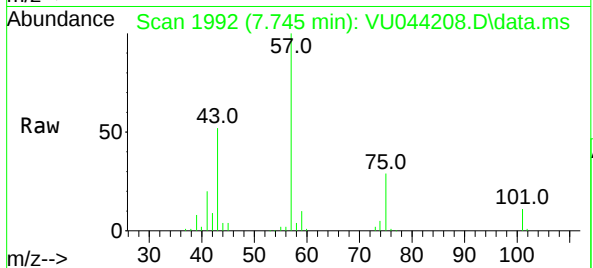




#51
4-Methyl-2-Pentanone
Concen: 12.589 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. -0.055 min
Lab File: VU044208.D
Acq: 15 Jun 2021 02:24

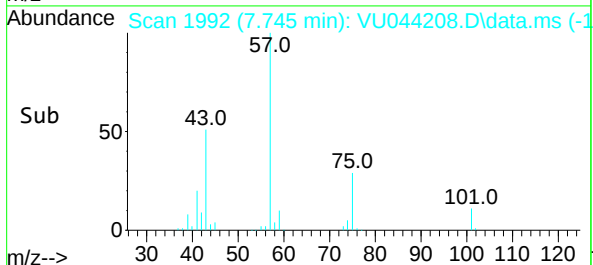
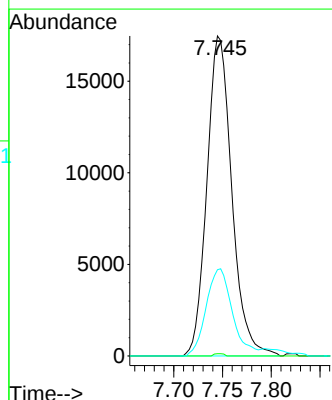
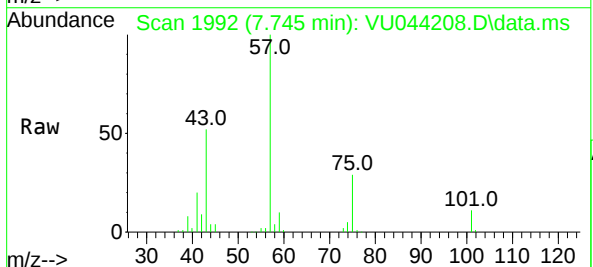
Instrument :
MSVOA_U
ClientSampled :

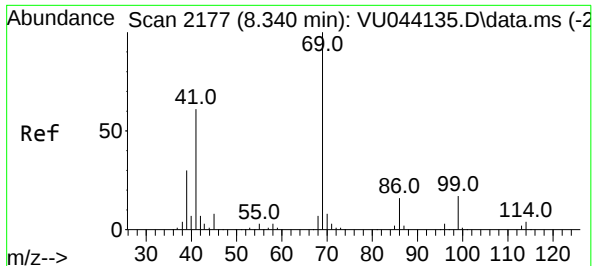
Tgt Ion: 43 Resp: 55004
Ion Ratio Lower Upper
43 100
58 8.0 34.5 51.7#



#54
cis-1,3-Dichloropropene
Concen: 7.247 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.132 min
Lab File: VU044208.D
Acq: 15 Jun 2021 02:24

Tgt Ion: 75 Resp: 31031
Ion Ratio Lower Upper
75 100
77 0.7 25.9 38.9#
39 26.9 33.2 49.8#

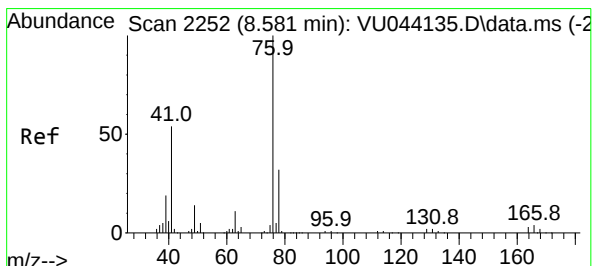
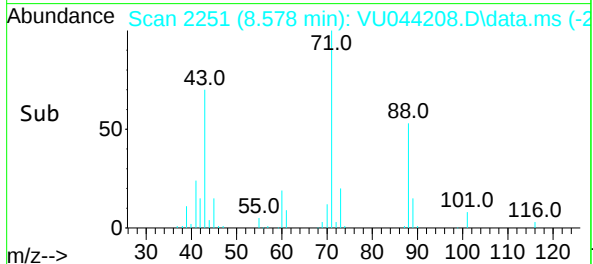
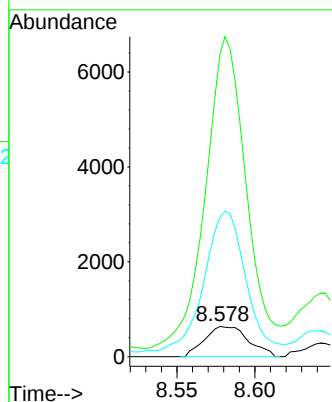
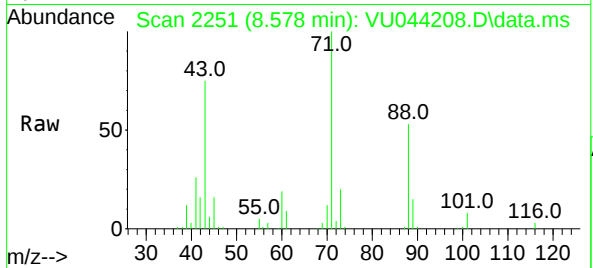




#56
Ethyl methacrylate
Concen: 0.311 ug/l
RT: 8.578 min Scan# 2251
Delta R.T. 0.238 min
Lab File: VU044208.D
Acq: 15 Jun 2021 02:24

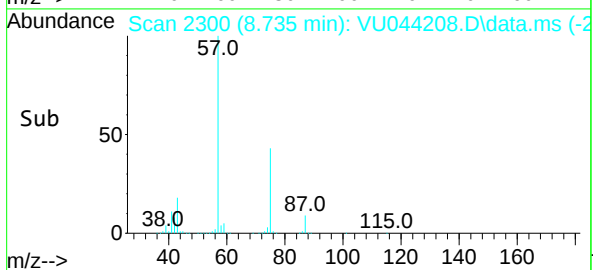
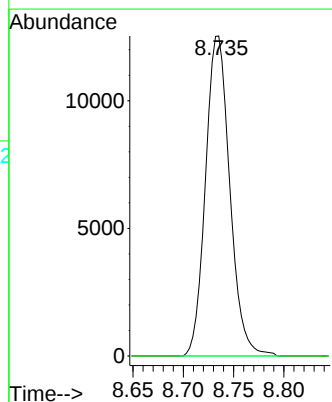
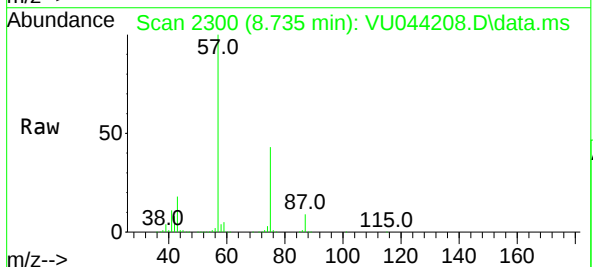
Instrument :
MSVOA_U
ClientSampled :

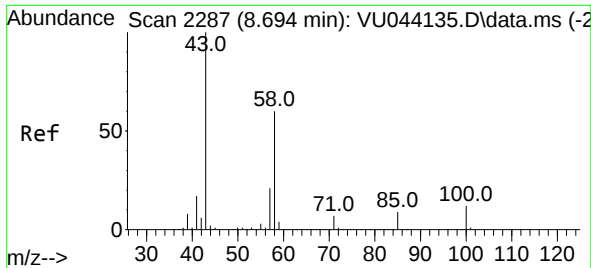
Tgt Ion: 69 Resp: 1244
Ion Ratio Lower Upper
69 100
41 946.7 48.4 72.6#
39 440.7 23.6 35.4#



#57
1,3-Dichloropropane
Concen: 4.529 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.154 min
Lab File: VU044208.D
Acq: 15 Jun 2021 02:24

Tgt Ion: 76 Resp: 21061
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

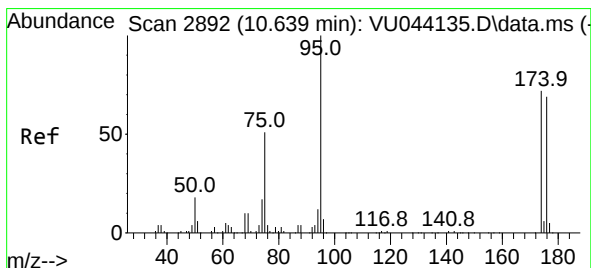
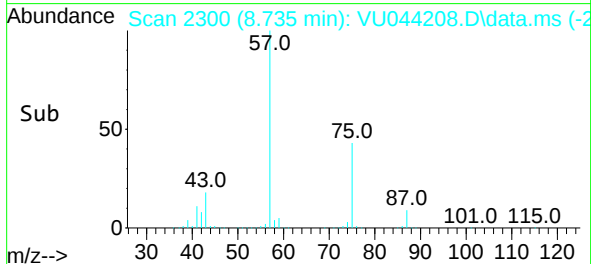
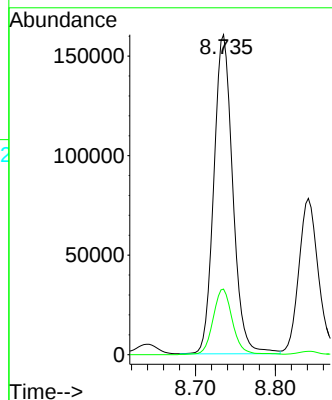
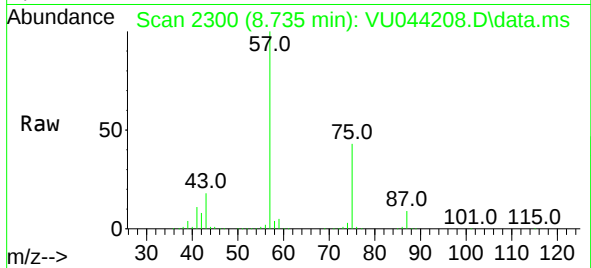




#59
2-Hexanone
Concen: 75.518 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.041 min
Lab File: VU044208.D
Acq: 15 Jun 2021 02:24

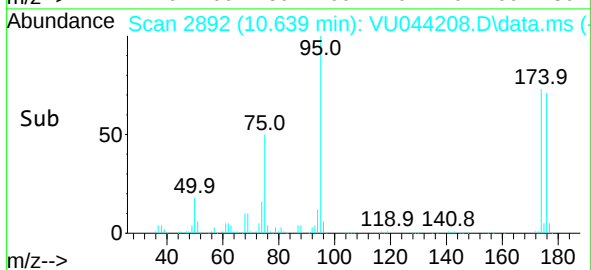
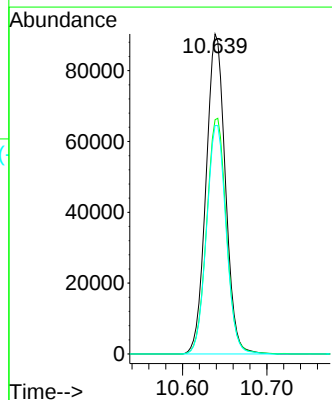
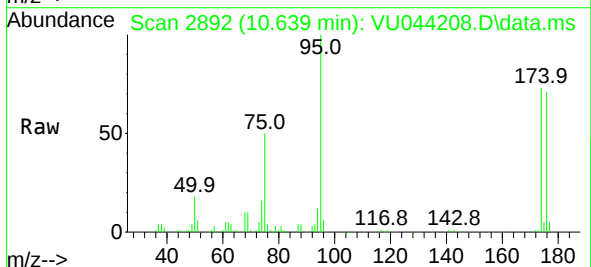
Instrument :
MSVOA_U
ClientSampled :

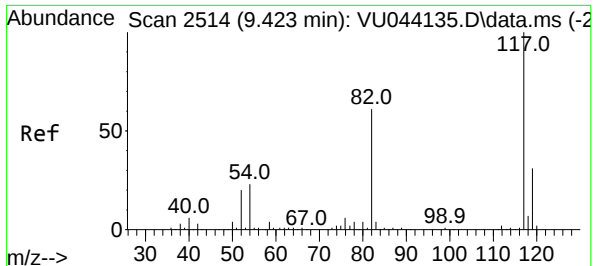
Tgt Ion: 43 Resp: 263323
Ion Ratio Lower Upper
43 100
58 21.3 30.0 90.1#



#62
4-Bromofluorobenzene
Concen: 42.147 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044208.D
Acq: 15 Jun 2021 02:24

Tgt Ion: 95 Resp: 144106
Ion Ratio Lower Upper
95 100
174 75.2 0.0 144.4
176 72.5 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: VU044208.D

Acq: 15 Jun 2021 02:24

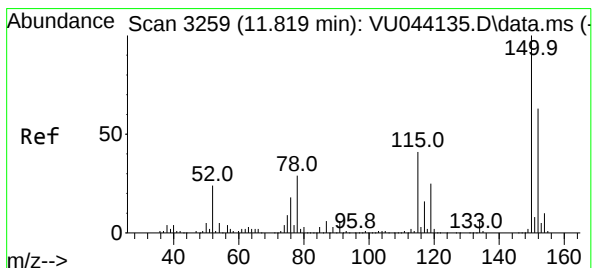
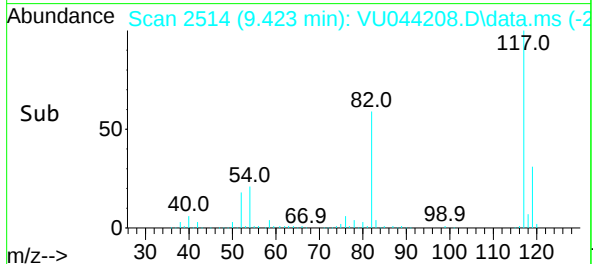
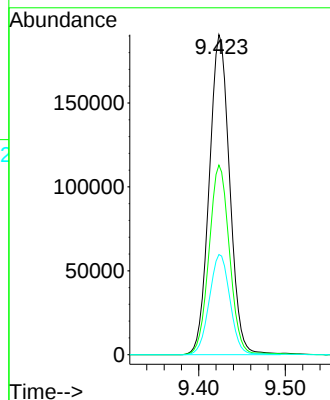
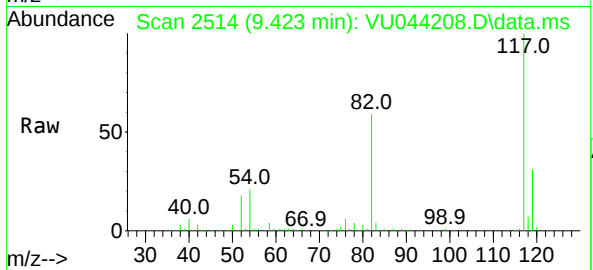
Tgt Ion:117 Resp: 312409

Ion Ratio Lower Upper

117 100

82 59.2 48.8 73.2

119 31.3 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: VU044208.D

Acq: 15 Jun 2021 02:24

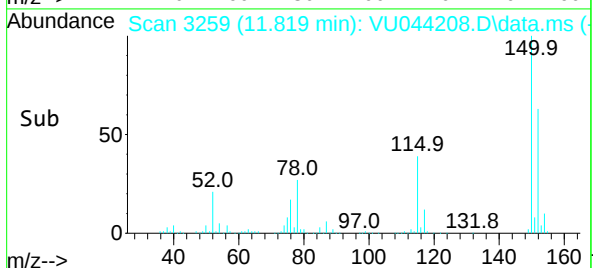
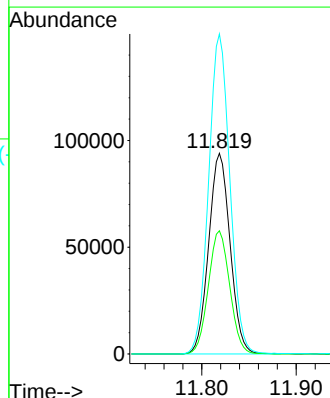
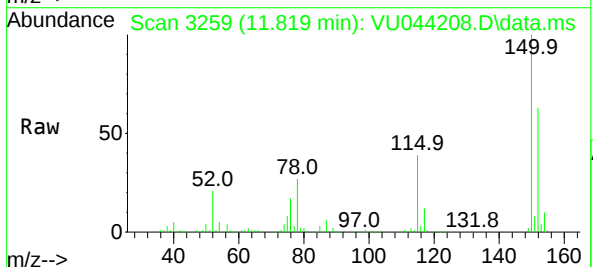
Tgt Ion:152 Resp: 147967

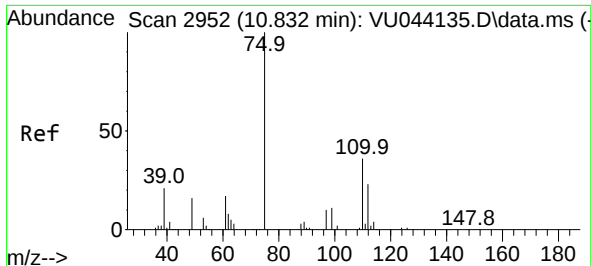
Ion Ratio Lower Upper

152 100

115 61.2 43.8 131.3

150 157.5 0.0 350.6

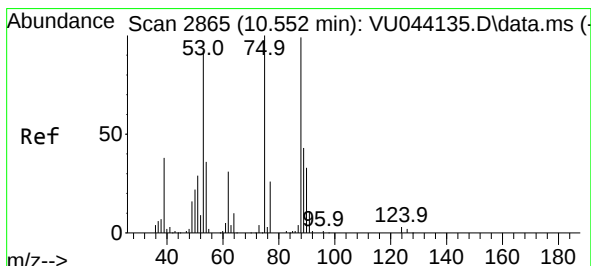
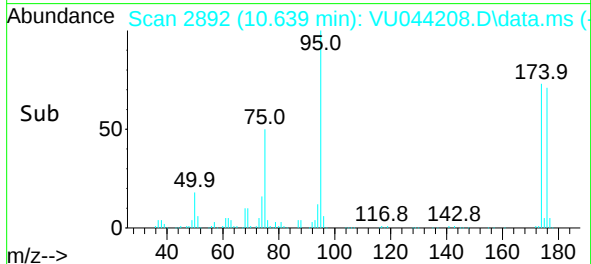
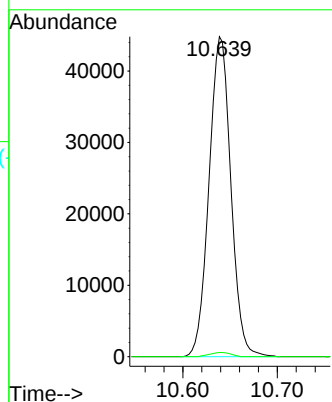
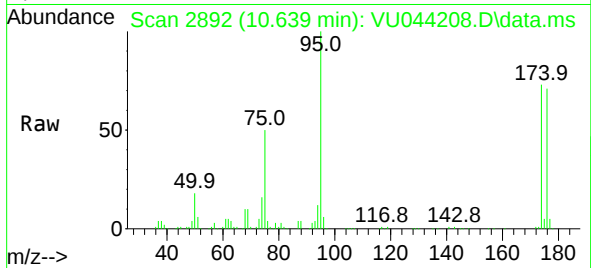




#76
1,2,3-Trichloropropane
Concen: 14.495 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044208.D
Acq: 15 Jun 2021 02:24

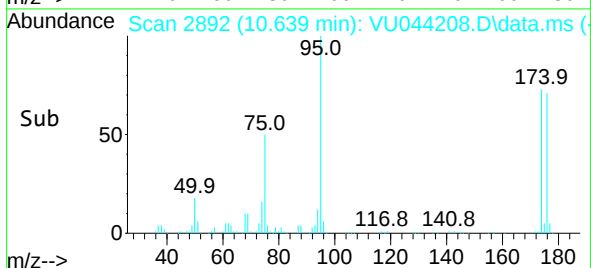
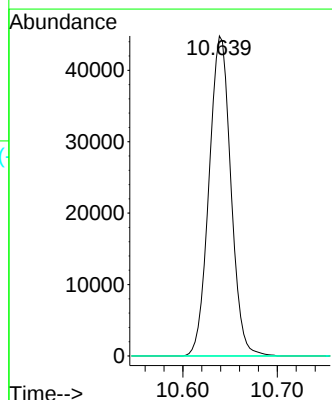
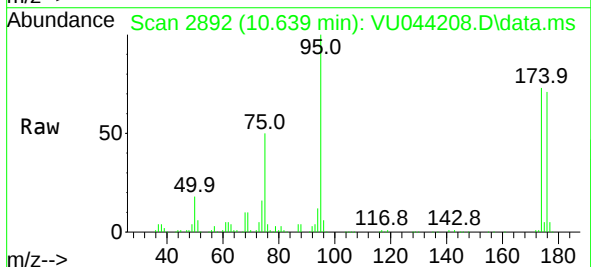
Instrument :
MSVOA_U
ClientSampled :

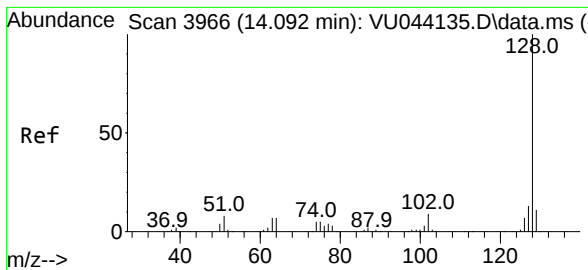
Tgt Ion: 75 Resp: 71910
Ion Ratio Lower Upper
75 100
77 1.3 14.9 44.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 52.544 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044208.D
Acq: 15 Jun 2021 02:24

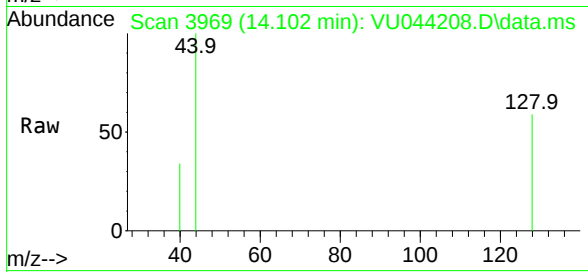
Tgt Ion: 75 Resp: 71910
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.2#
89 0.0 35.0 52.6#





#95
Naphthalene
Concen: 2.880 ug/l
RT: 14.102 min Scan# 3969
Delta R.T. 0.009 min
Lab File: VU044208.D
Acq: 15 Jun 2021 02:24

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 487
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

