

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U072423\
 Data File : VU054853.D
 Acq On : 24 Jul 2023 12:14
 Operator : MD/SY
 Sample : 03573-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2023

Quant Time: Jul 25 02:13:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072123DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Jul 24 09:59:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.113	96	27574	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	8860	1.064	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	9508	0.986	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
Target Compounds						
						Qvalue
3) Chloromethane	1.518	50	1917	0.301	ug/l	# 79
4) Vinyl Chloride	1.602	62	1785	0.218	ug/l	90
5) Bromomethane	1.856	94	1533	0.264	ug/l	# 75
6) Chloroethane	1.930	64	2127	0.275	ug/l	99
7) Trichlorofluoromethane	2.129	101	9374	0.473	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	1180	0.208	ug/l	88
9) 1,1-Dichloroethene	2.570	96	1175	0.248	ug/l	74
11) Allyl Chloride	2.917	41	1334	0.240	ug/l	97
13) Acetone	2.653	43	1252	1.265	ug/l	# 86
14) Carbon Disulfide	2.789	76	2076	0.260	ug/l	# 64
16) trans-1,2-Dichloroethene	3.351	96	1349	0.256	ug/l	# 55
17) 1,1-Dichloroethane	3.869	63	2824	0.253	ug/l	# 81
18) 2-Butanone	4.756	43	299	0.207	ug/l	72
20) Methylcyclohexane	6.759	83	1988	0.232	ug/l	# 88
21) 2,2-Dichloropropane	4.650	77	2176	0.224	ug/l	# 55
23) Diethyl Ether	2.371	59	1637	0.225	ug/l	# 86
25) Methyl tert-Butyl Ether	3.364	73	3504	0.242	ug/l	94
27) Chloroform	5.084	83	2873	0.234	ug/l	97
28) 1,1,1-Trichloroethane	5.309	97	2164	0.210	ug/l	79
31) Isopropyl Ether	3.994	45	3466	0.210	ug/l	94
32) Ethyl-t-butyl ether	4.499	59	3844	0.227	ug/l	# 73
33) Tert-Amyl methyl ether	5.936	73	3959	0.248	ug/l	# 61
35) Benzene	5.772	78	5646	0.237	ug/l	# 81
36) 1,2-Dichloroethane	5.804	62	1437	0.210	ug/l	# 73
37) Trichloroethene	6.541	130	1377	0.214	ug/l	86
38) 1,2-Dichloropropane	6.785	63	1517	0.221	ug/l	# 76
43) Dibromomethane	6.920	93	748	0.234	ug/l	# 65
45) 4-Methyl-2-Pentanone	7.798	43	4185	1.106	ug/l	98
46) t-1,4-Dichloro-2-butene	10.830	75	1411	0.891	ug/l	# 21
47) Methyl methacrylate	6.972	69	1303	0.434	ug/l	# 94
49) Toluene	7.972	92	3389	0.223	ug/l	89
50) t-1,3-Dichloropropene	8.206	75	1589	0.205	ug/l	96
51) cis-1,3-Dichloropropene	7.605	75	1897	0.201	ug/l	92
53) 1,3-Dichloropropane	8.576	76	1918	0.236	ug/l	96
54) 2-Hexanone	8.698	43	3209	1.216	ug/l	88
55) Dibromochloromethane	8.811	129	1226	0.213	ug/l	86
58) Tetrachloroethene	8.550	164	1307	0.233	ug/l	93
59) Chlorobenzene	9.447	112	3981	0.220	ug/l	95
60) 1,1,1,2-Tetrachloroethane	9.531	131	1314	0.206	ug/l	# 84
61) Pentachloroethane	11.422	117	1132	0.225	ug/l	88
63) Ethyl Benzene	9.566	91	7120	0.231	ug/l	97
64) m/p-Xylenes	9.698	106	5372	0.460	ug/l	90
65) o-Xylene	10.100	106	2571	0.219	ug/l	98

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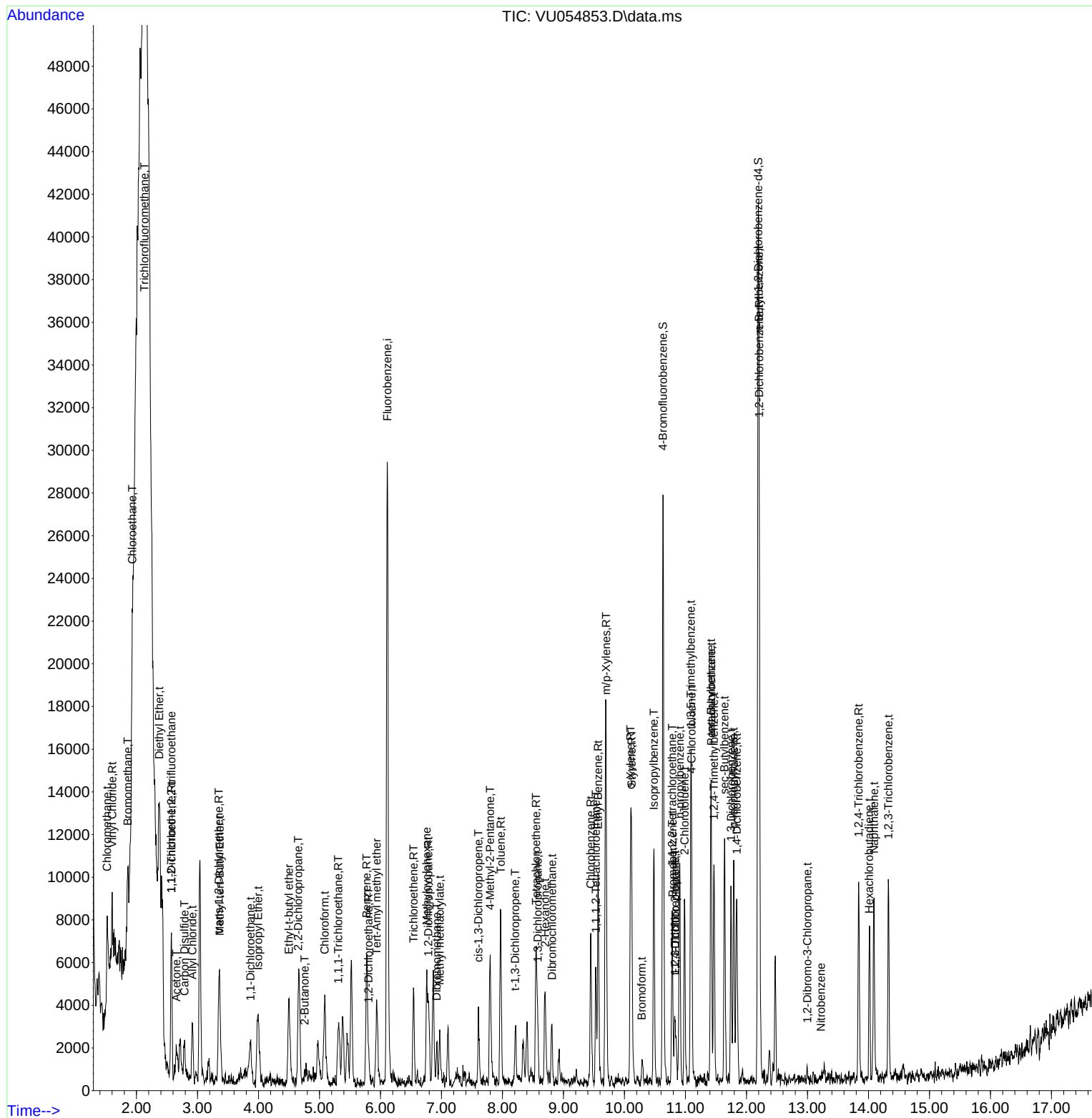
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

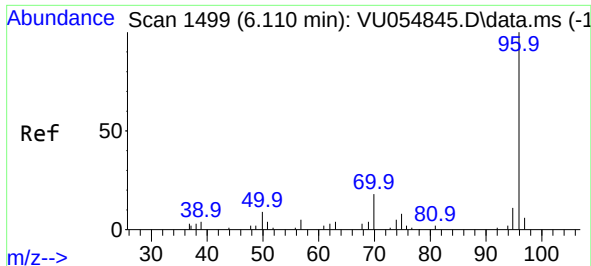
66) Styrene	10.116	104	4917	0.260	ug/l	95
67) Bromoform	10.283	173	671	0.216	ug/l #	83
69) Isopropylbenzene	10.480	105	7769	0.244	ug/l	94
70) 1,1,2,2-Tetrachloroethane	10.782	83	1460	0.243	ug/l	94
71) 1,2,3-Trichloropropane	10.830	75	1411	0.333	ug/l #	46
72) Bromobenzene	10.788	156	1676	0.228	ug/l	88
73) n-propylbenzene	10.907	120	1769	0.206	ug/l	79
74) 2-Chlorotoluene	10.984	126	1897	0.254	ug/l	95
75) 1,3,5-Trimethylbenzene	11.087	105	5724	0.220	ug/l	97
76) 4-Chlorotoluene	11.100	126	1819	0.237	ug/l	90
77) tert-Butylbenzene	11.418	119	5952	0.222	ug/l	96
78) 1,2,4-Trimethylbenzene	11.467	105	6110	0.234	ug/l	97
79) sec-Butylbenzene	11.640	105	7999	0.230	ug/l	98
80) Nitrobenzene	13.219	77	45	3.262	ug/l #	19
81) p-Isopropyltoluene	11.788	119	6515	0.230	ug/l	99
82) 1,3-Dichlorobenzene	11.746	146	3793	0.257	ug/l	99
83) 1,4-Dichlorobenzene	11.840	146	3792	0.257	ug/l	95
84) n-Butylbenzene	12.206	91	7154	0.275	ug/l	98
85) 1,2-Dichlorobenzene	12.209	146	3841	0.274	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.997	75	85	0.228	ug/l #	23
87) 1,2,4-Trichlorobenzene	13.840	180	3288	0.366	ug/l	94
88) Hexachlorobutadiene	14.010	225	1315	0.274	ug/l #	88
89) Naphthalene	14.090	128	7189	0.494	ug/l	97
90) 1,2,3-Trichlorobenzene	14.328	180	2967	0.382	ug/l	93

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

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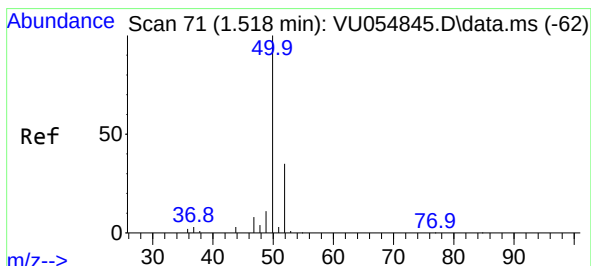
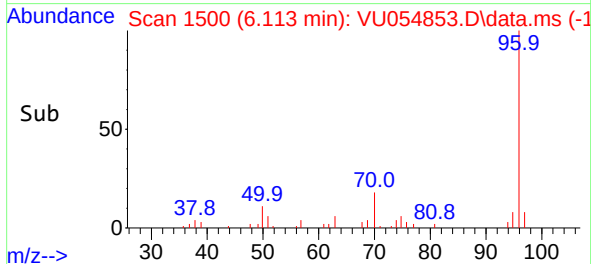
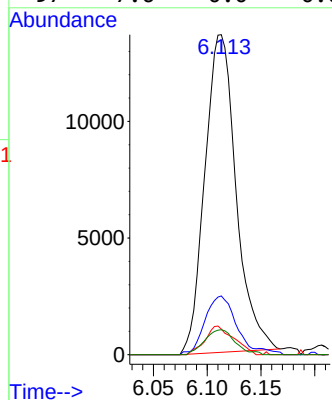
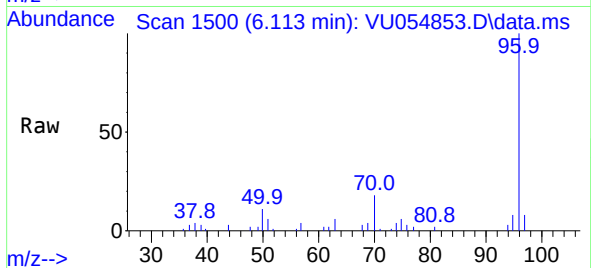




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.113 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054853.D
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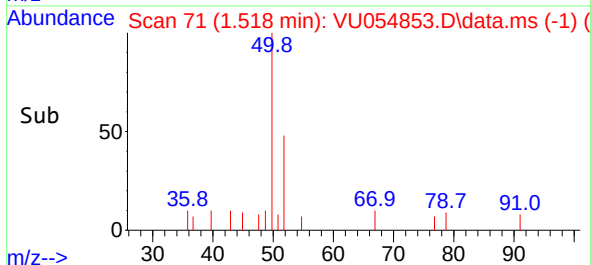
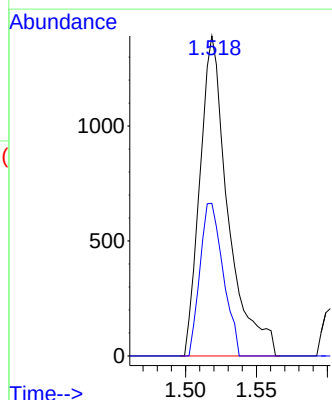
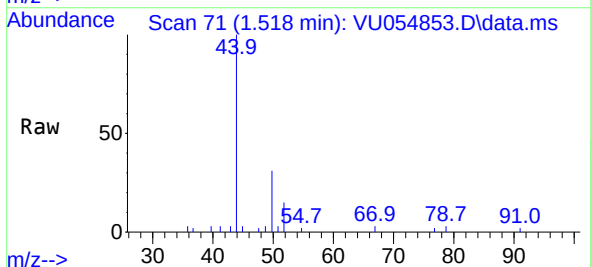
Instrument :
MSVOA_U
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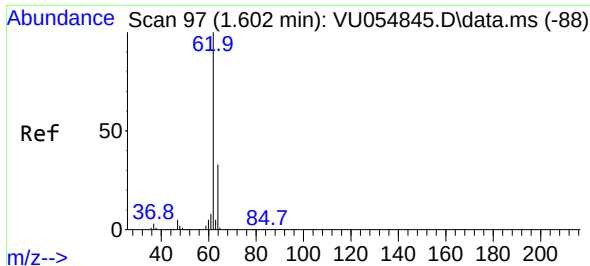
Tgt Ion:	96	Resp:	27574
Ion	Ratio	Lower	Upper
96	100		
70	19.0	14.0	21.0
95	8.3	8.7	13.1#
97	7.6	0.0	0.0#



#3
Chloromethane
Concen: 0.301 ug/l
RT: 1.518 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

Tgt Ion:	50	Resp:	1917
Ion	Ratio	Lower	Upper
50	100		
52	47.7	28.2	42.2#

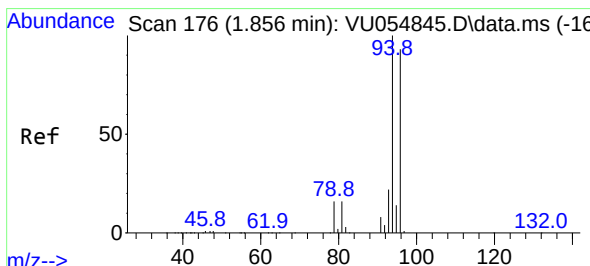
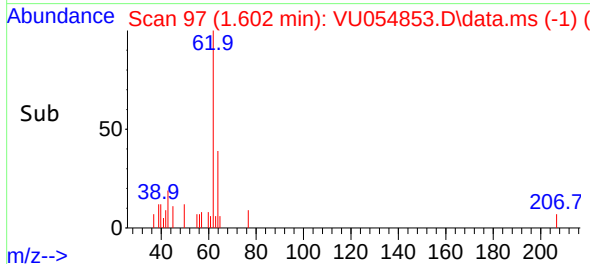
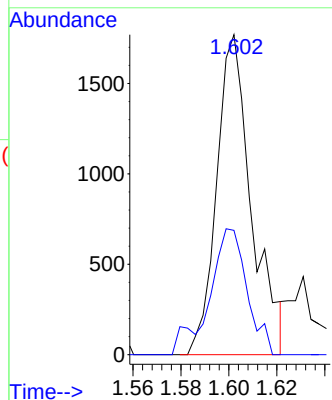
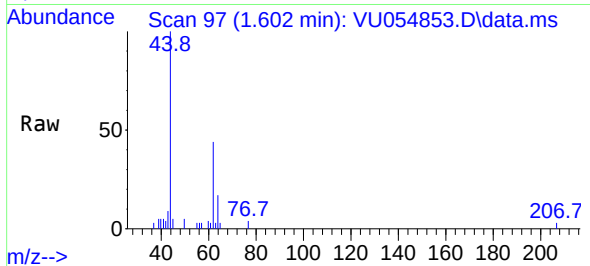




#4
 Vinyl Chloride
 Concen: 0.218 ug/l
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU054853.D
 Acq: 24 Jul 2023 12:14

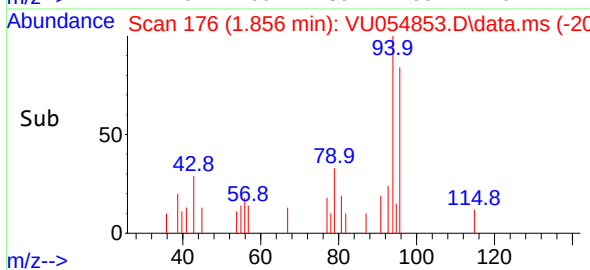
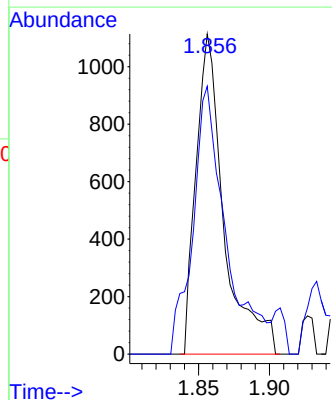
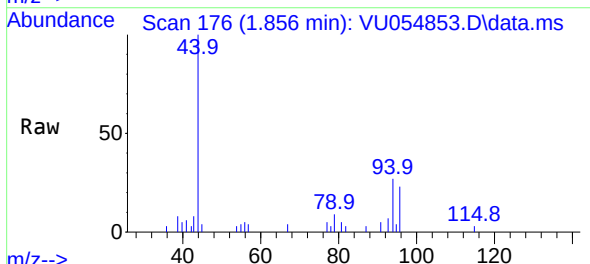
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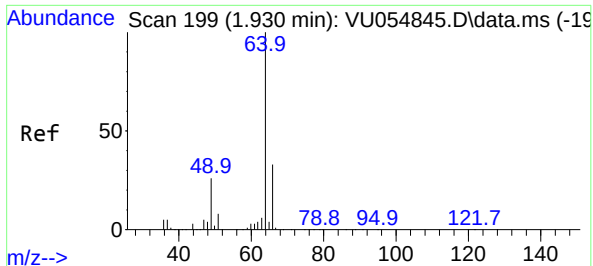
Tgt Ion: 62 Resp: 1785
 Ion Ratio Lower Upper
 62 100
 64 38.9 26.4 39.6



#5
 Bromomethane
 Concen: 0.264 ug/l
 RT: 1.856 min Scan# 176
 Delta R.T. 0.000 min
 Lab File: VU054853.D
 Acq: 24 Jul 2023 12:14

Tgt Ion: 94 Resp: 1533
 Ion Ratio Lower Upper
 94 100
 96 69.2 74.6 111.8#

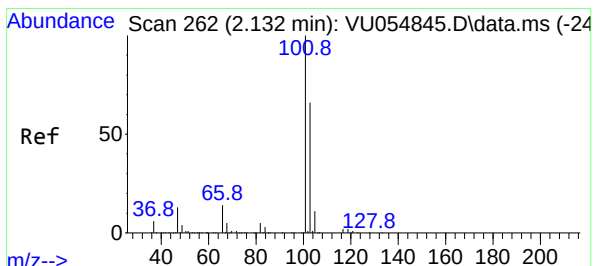
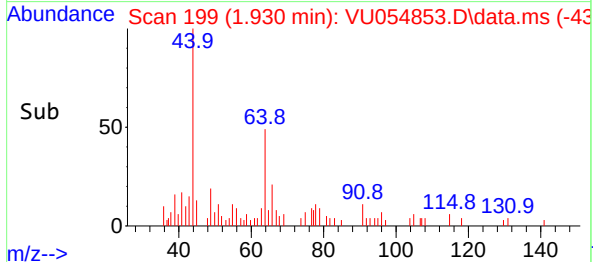
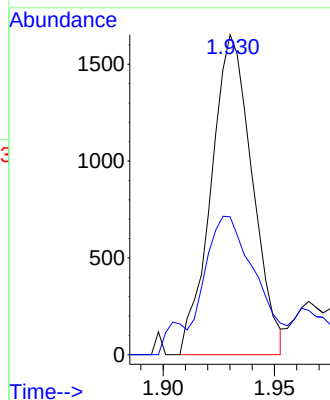
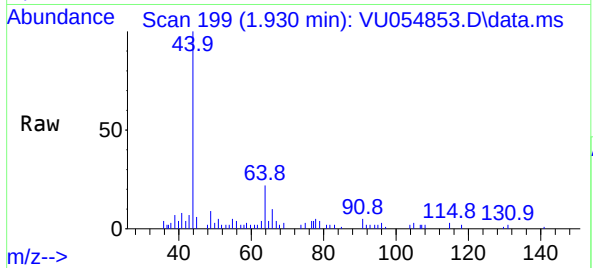




#6
Chloroethane
Concen: 0.275 ug/l
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

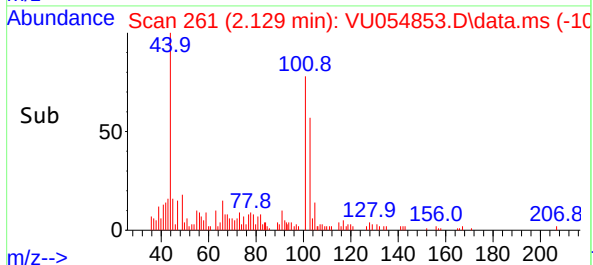
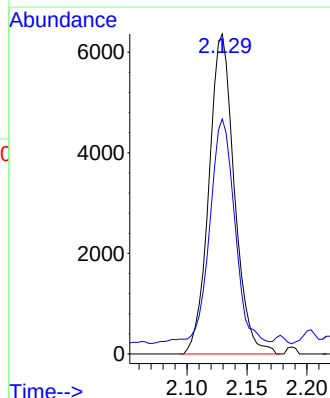
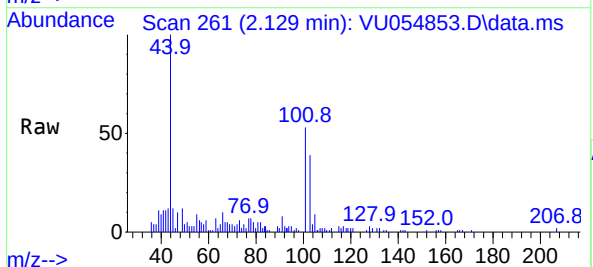
Instrument :
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ClientSampleId :
LOD-MDL-WATER-01-QT3-2023

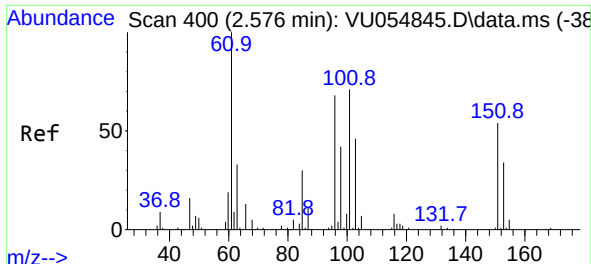
Tgt Ion: 64 Resp: 2127
Ion Ratio Lower Upper
64 100
66 33.5 26.2 39.4



#7
Trichlorofluoromethane
Concen: 0.473 ug/l
RT: 2.129 min Scan# 261
Delta R.T. -0.003 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

Tgt Ion:101 Resp: 9374
Ion Ratio Lower Upper
101 100
103 68.8 52.9 79.3

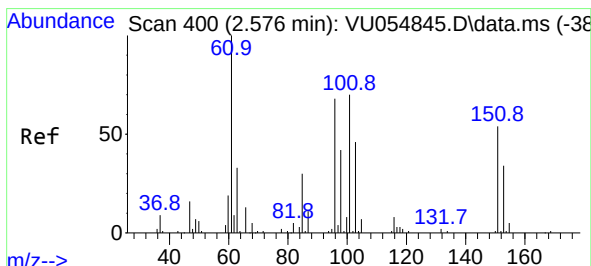
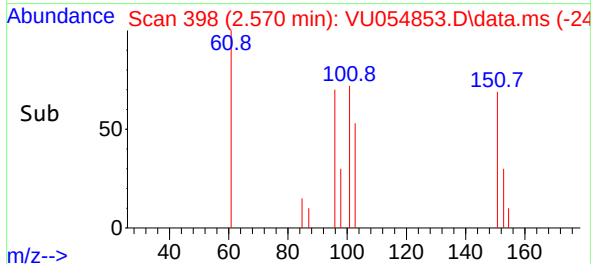
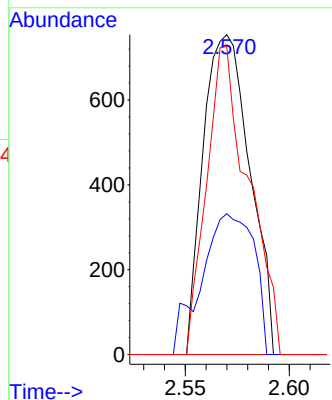
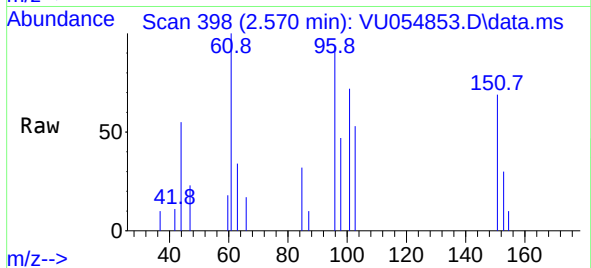




#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.208 ug/l
RT: 2.570 min Scan# 398
Delta R.T. -0.006 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

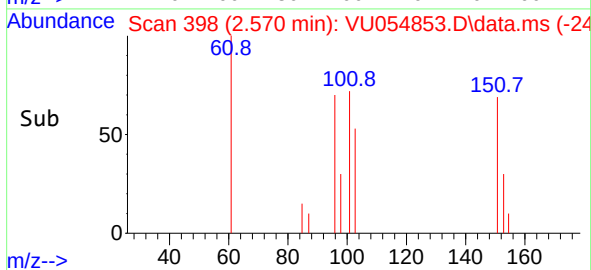
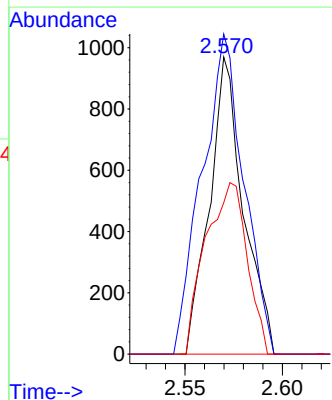
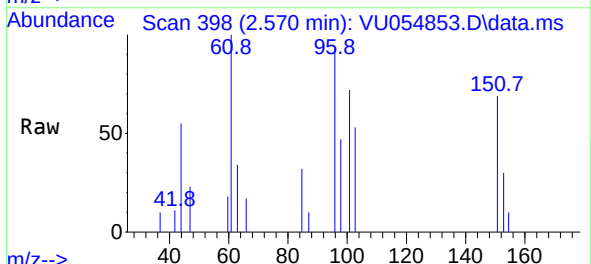
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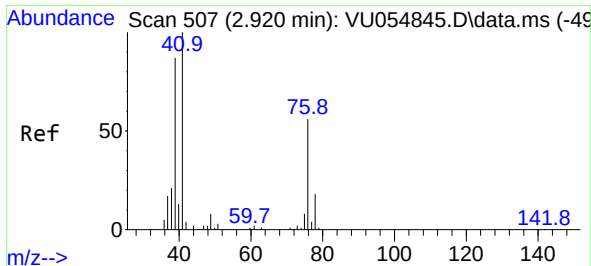
Tgt Ion:101 Resp: 1180
Ion Ratio Lower Upper
101 100
85 49.5 34.8 52.2
151 86.8 60.5 90.7



#9
1,1-Dichloroethene
Concen: 0.248 ug/l
RT: 2.570 min Scan# 398
Delta R.T. -0.006 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

Tgt Ion: 96 Resp: 1175
Ion Ratio Lower Upper
96 100
61 107.7 0.0 440.1
98 50.9 0.0 121.8





#11

Allyl Chloride

Concen: 0.240 ug/l

RT: 2.917 min Scan# 507

Delta R.T. -0.003 min

Lab File: VU054853.D

Acq: 24 Jul 2023 12:14

Instrument :

MSVOA_U

ClientSampleId :

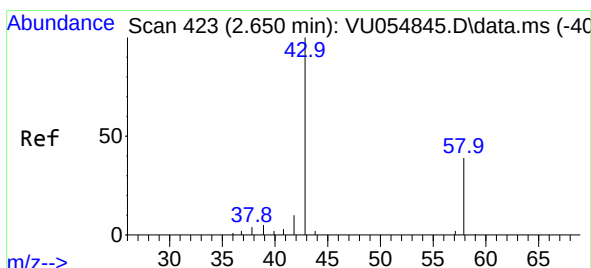
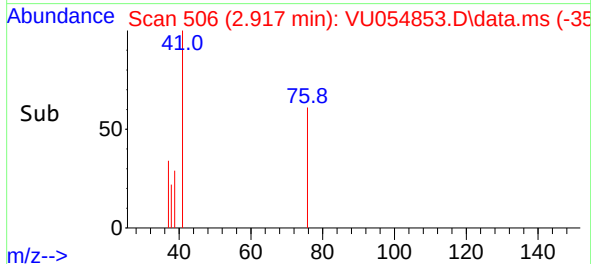
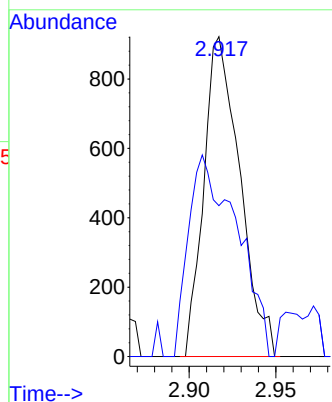
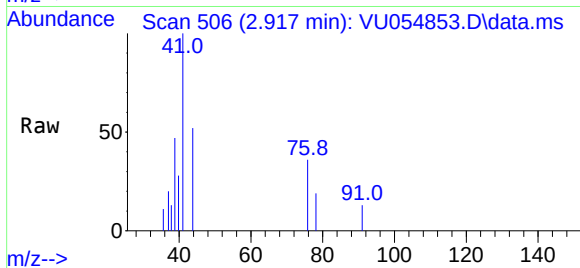
LOD-MDL-WATER-01-QT3-2023

Tgt Ion: 41 Resp: 1334

Ion Ratio Lower Upper

41 100

39 84.9 70.2 105.2



#13

Acetone

Concen: 1.265 ug/l

RT: 2.653 min Scan# 424

Delta R.T. 0.003 min

Lab File: VU054853.D

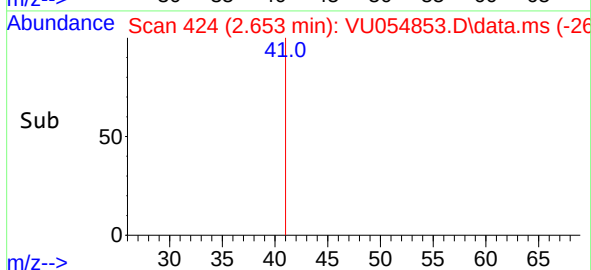
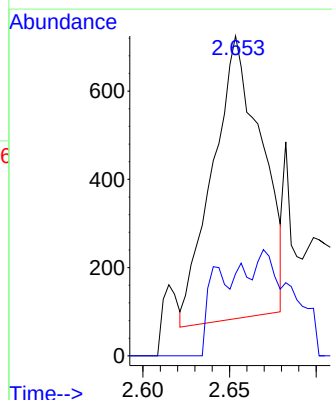
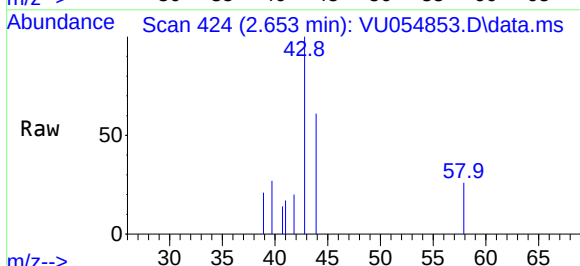
Acq: 24 Jul 2023 12:14

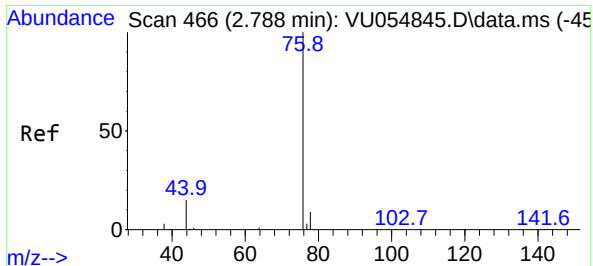
Tgt Ion: 43 Resp: 1252

Ion Ratio Lower Upper

43 100

58 29.8 30.7 46.1#

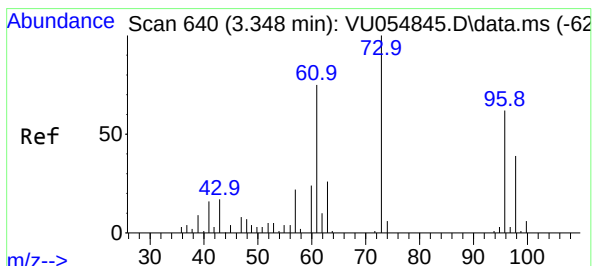
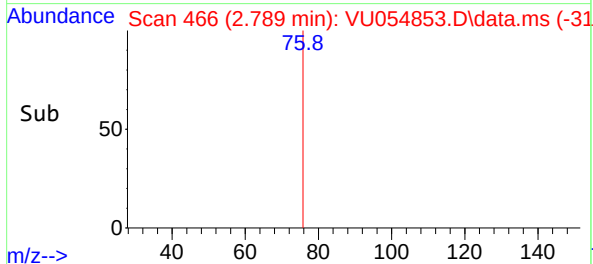
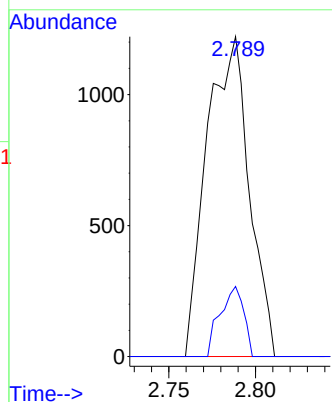
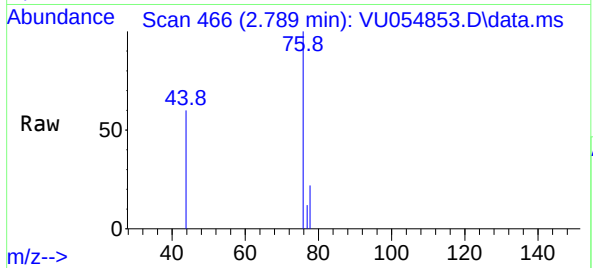




#14
Carbon Disulfide
Concen: 0.260 ug/l
RT: 2.789 min Scan# 411
Delta R.T. 0.000 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

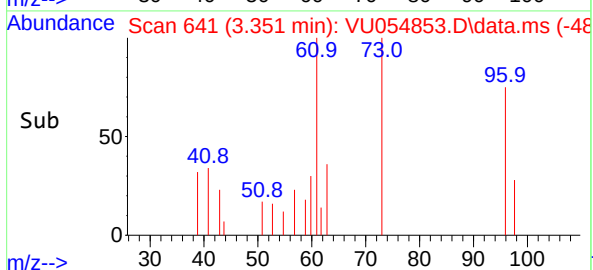
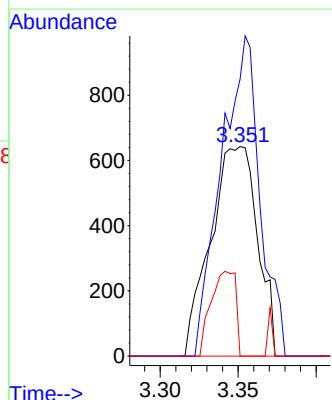
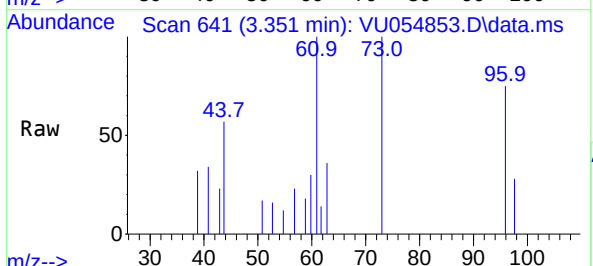
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023

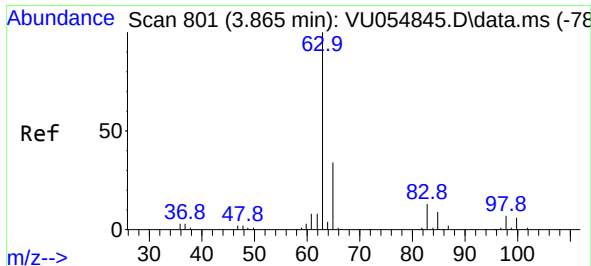
Tgt Ion: 76 Resp: 2076
Ion Ratio Lower Upper
76 100
78 21.9 7.1 10.7#



#16
trans-1,2-Dichloroethene
Concen: 0.256 ug/l
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

Tgt Ion: 96 Resp: 1349
Ion Ratio Lower Upper
96 100
61 150.7 96.4 144.6#
98 0.0 49.3 73.9#

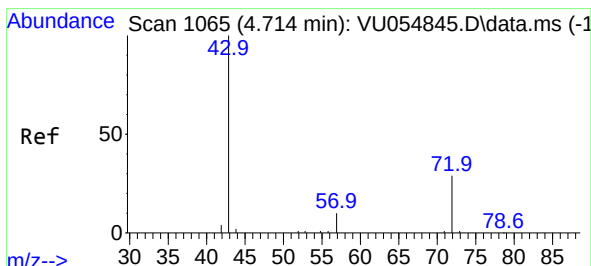
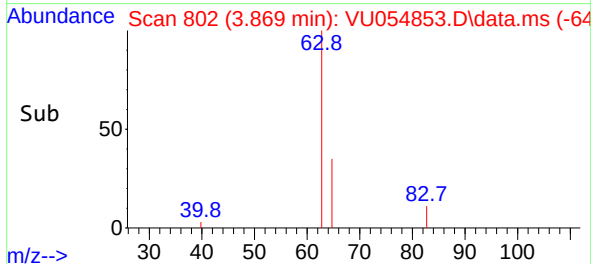
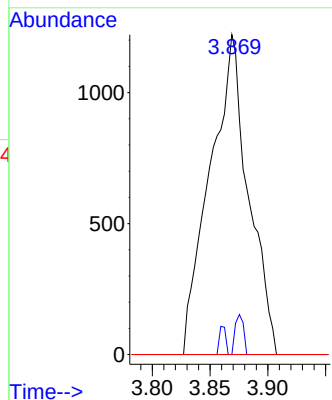
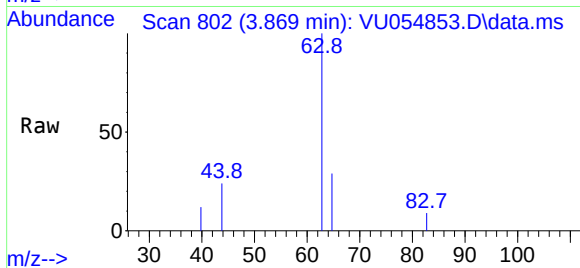




#17
1,1-Dichloroethane
Concen: 0.253 ug/l
RT: 3.869 min Scan# 801
Delta R.T. 0.003 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

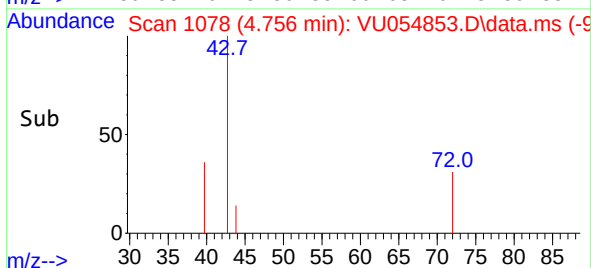
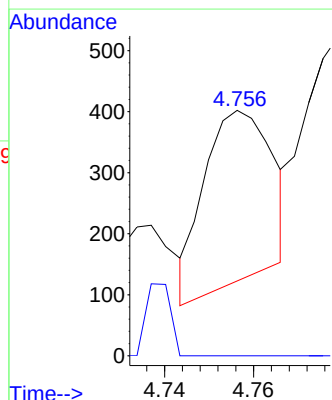
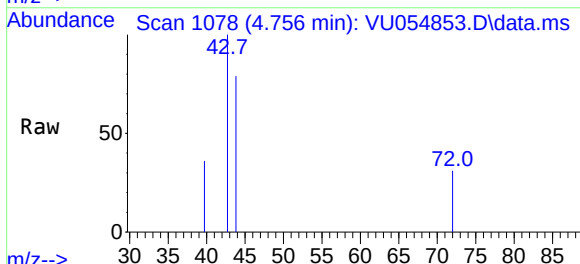
Instrument :
MSVOA_U
ClientSampleId :
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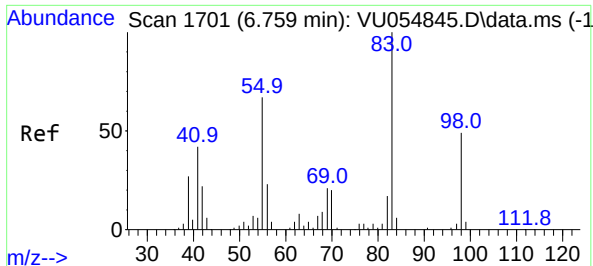
Tgt Ion: 63 Resp: 2824
Ion Ratio Lower Upper
63 100
98 0.0 3.6 10.8#
100 0.0 2.8 8.4#



#18
2-Butanone
Concen: 0.207 ug/l
RT: 4.756 min Scan# 1078
Delta R.T. 0.042 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

Tgt Ion: 43 Resp: 299
Ion Ratio Lower Upper
43 100
57 0.0 0.0 20.8

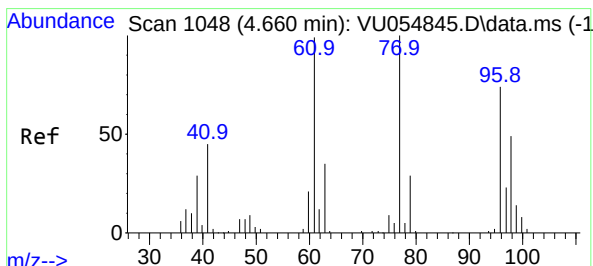
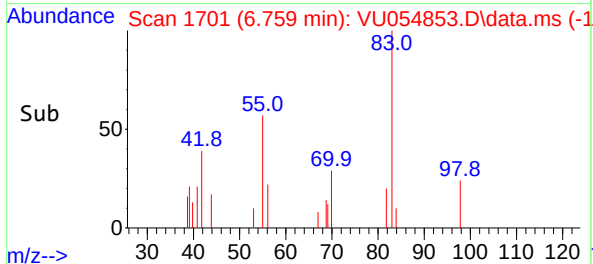
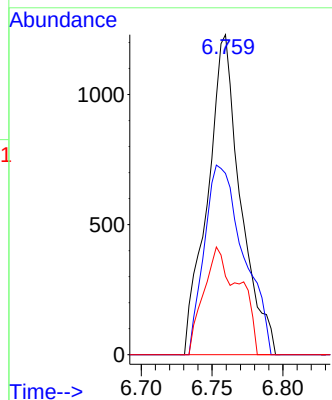
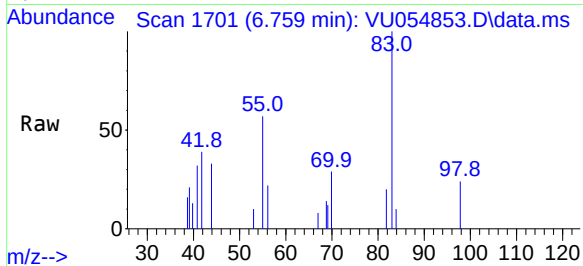




#20
Methylcyclohexane
Concen: 0.232 ug/l
RT: 6.759 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

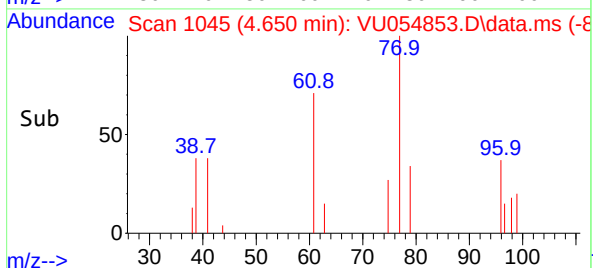
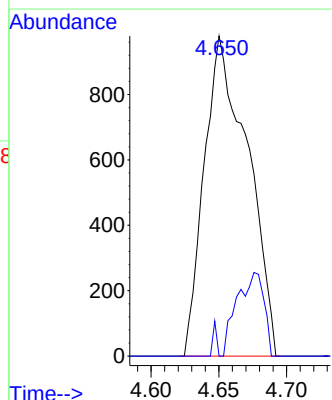
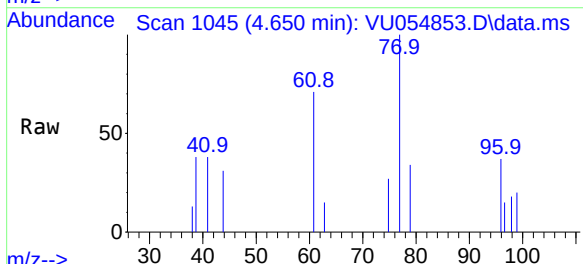
Instrument :
MSVOA_U
ClientSampleId :
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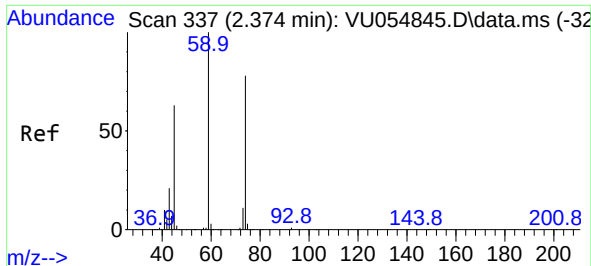
Tgt Ion: 83 Resp: 1988
Ion Ratio Lower Upper
83 100
55 70.6 51.6 77.4
98 36.2 38.2 57.2#



#21
2,2-Dichloropropane
Concen: 0.224 ug/l
RT: 4.650 min Scan# 1045
Delta R.T. -0.009 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

Tgt Ion: 77 Resp: 2176
Ion Ratio Lower Upper
77 100
97 1.0 18.0 27.0#

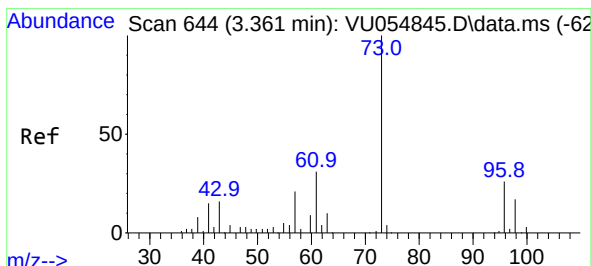
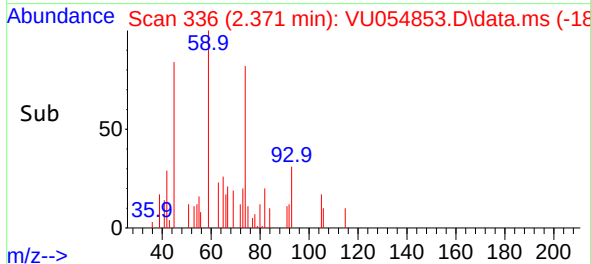
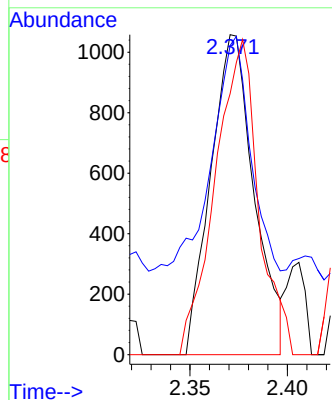
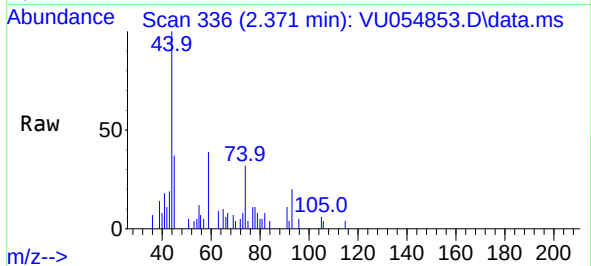




#23
Diethyl Ether
Concen: 0.225 ug/l
RT: 2.371 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

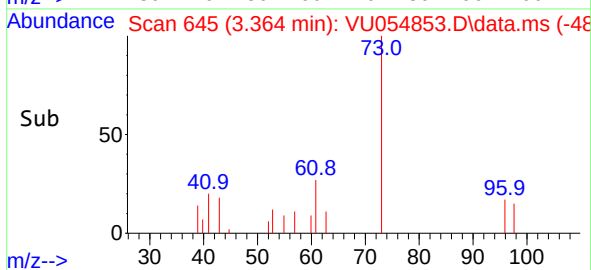
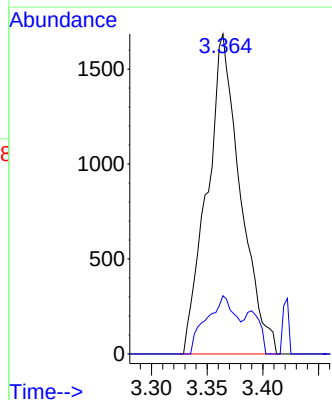
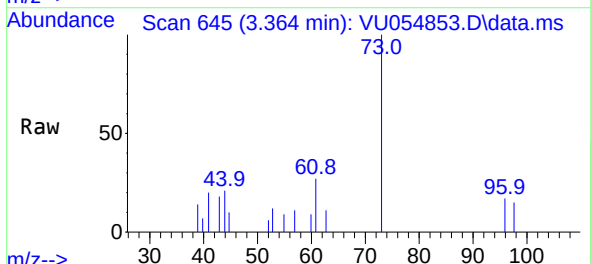
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023

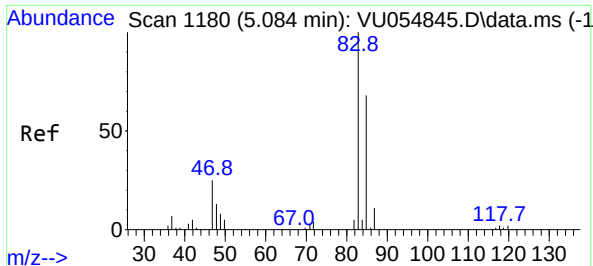
Tgt Ion: 59 Resp: 1637
Ion Ratio Lower Upper
59 100
45 67.9 51.4 77.0
74 98.2 63.1 94.7#



#25
Methyl tert-Butyl Ether
Concen: 0.242 ug/l
RT: 3.364 min Scan# 645
Delta R.T. 0.003 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

Tgt Ion: 73 Resp: 3504
Ion Ratio Lower Upper
73 100
43 15.8 14.6 22.0

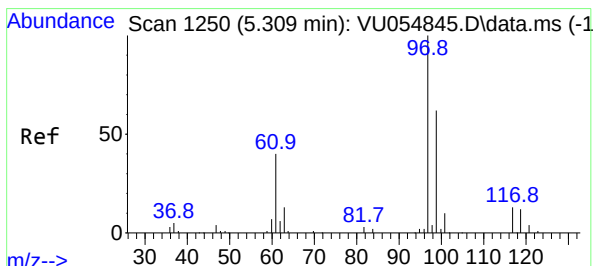
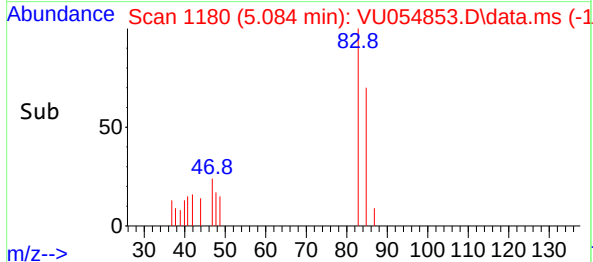
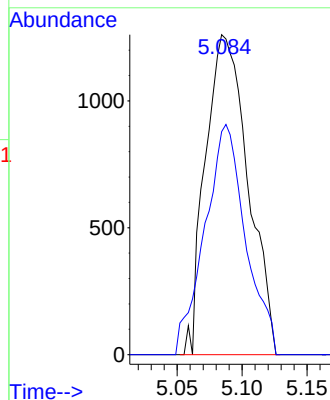
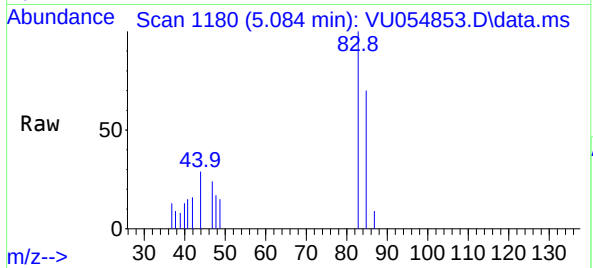




#27
Chloroform
Concen: 0.234 ug/l
RT: 5.084 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

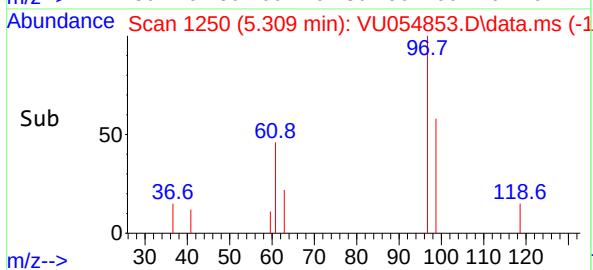
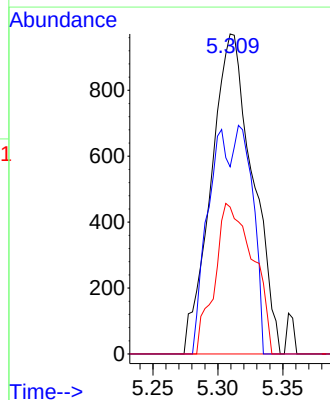
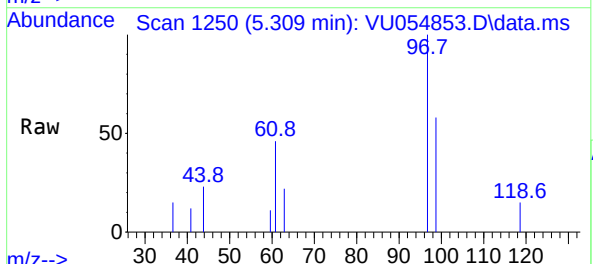
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023

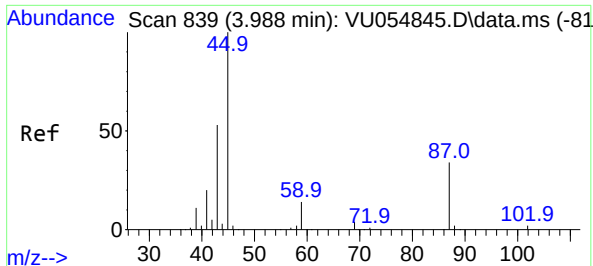
Tgt Ion: 83 Resp: 2873
Ion Ratio Lower Upper
83 100
85 69.7 0.0 135.2



#28
1,1,1-Trichloroethane
Concen: 0.210 ug/l
RT: 5.309 min Scan# 1250
Delta R.T. 0.000 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

Tgt Ion: 97 Resp: 2164
Ion Ratio Lower Upper
97 100
99 38.2 32.0 96.2
61 43.3 21.0 63.0

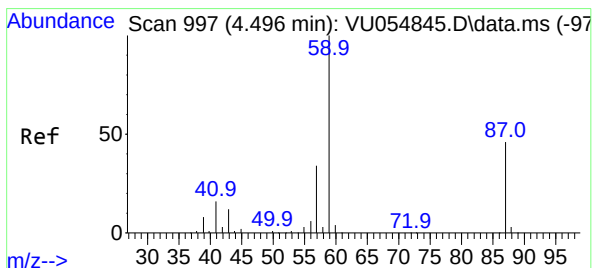
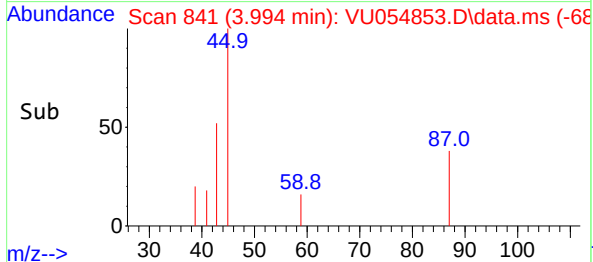
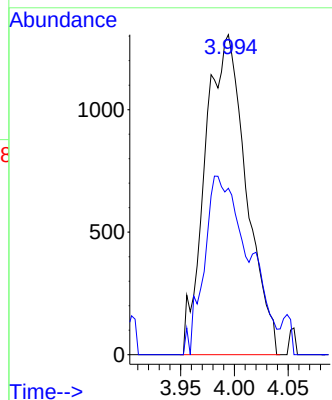
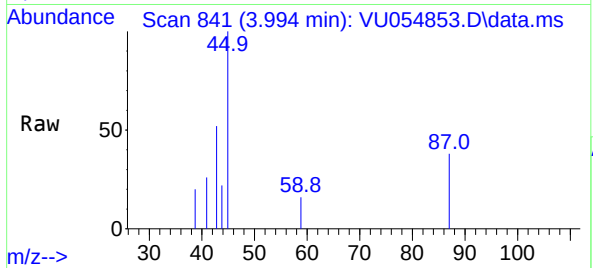




#31
Isopropyl Ether
Concen: 0.210 ug/l
RT: 3.994 min Scan# 841
Delta R.T. 0.007 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

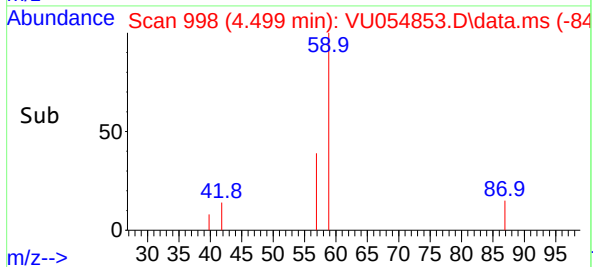
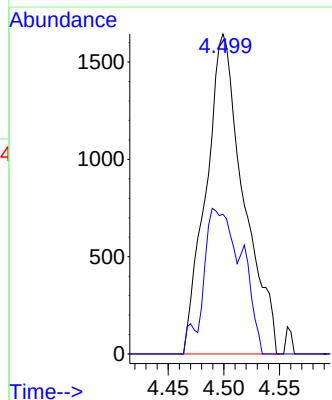
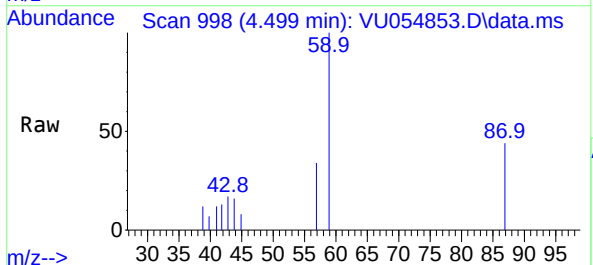
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023

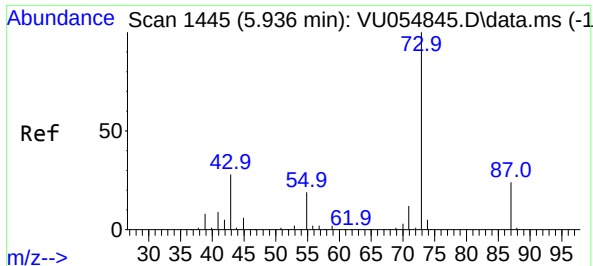
Tgt Ion: 45 Resp: 3466
Ion Ratio Lower Upper
45 100
43 48.9 26.4 79.2



#32
Ethyl-t-butyl ether
Concen: 0.227 ug/l
RT: 4.499 min Scan# 998
Delta R.T. 0.003 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

Tgt Ion: 59 Resp: 3844
Ion Ratio Lower Upper
59 100
87 27.1 35.7 53.5#

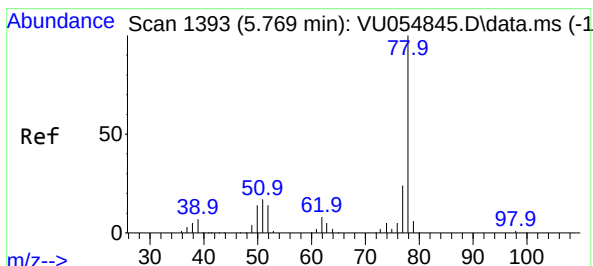
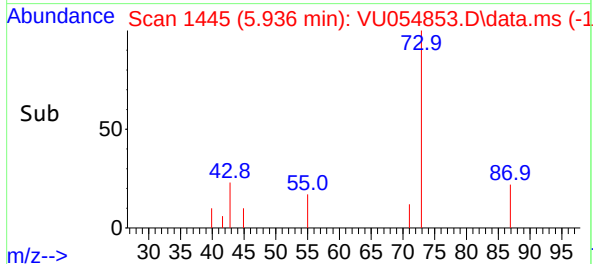
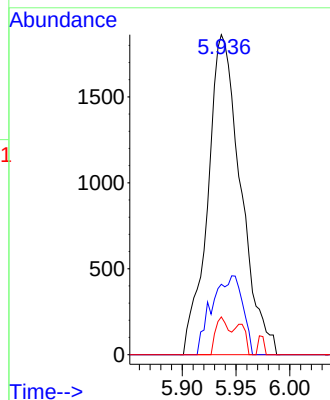
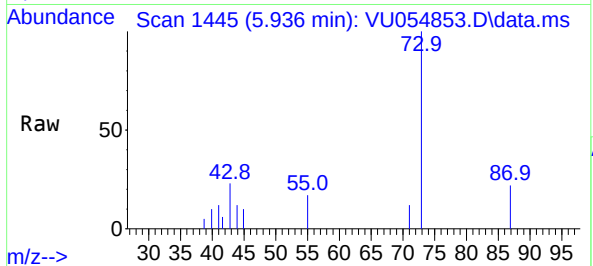




#33
Tert-Amyl methyl ether
Concen: 0.248 ug/l
RT: 5.936 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

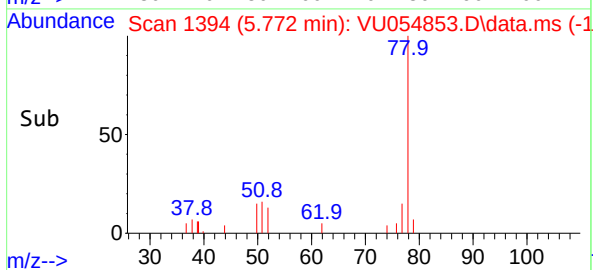
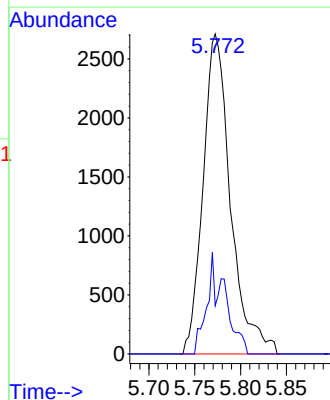
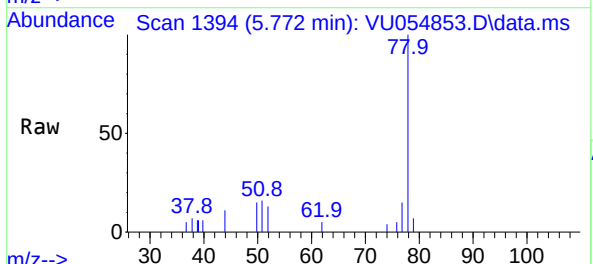
Instrument :
MSVOA_U
ClientSampleId :
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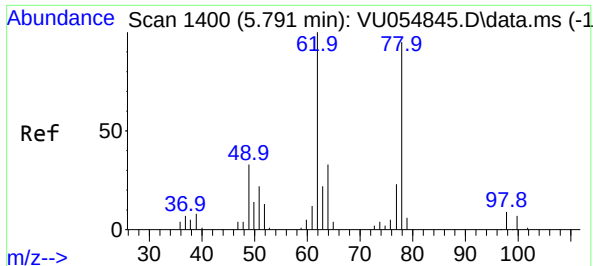
Tgt Ion: 73 Resp: 3959
Ion Ratio Lower Upper
73 100
87 0.0 19.6 29.4#
71 4.8 9.1 13.7#



#35
Benzene
Concen: 0.237 ug/l
RT: 5.772 min Scan# 1394
Delta R.T. 0.003 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

Tgt Ion: 78 Resp: 5646
Ion Ratio Lower Upper
78 100
77 15.0 19.4 29.2#

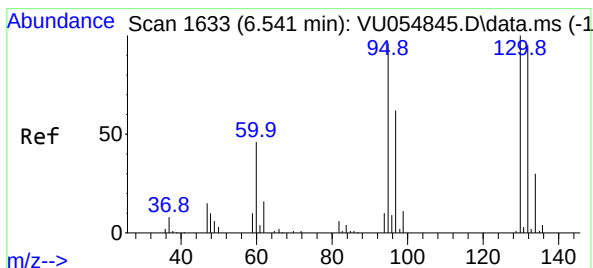
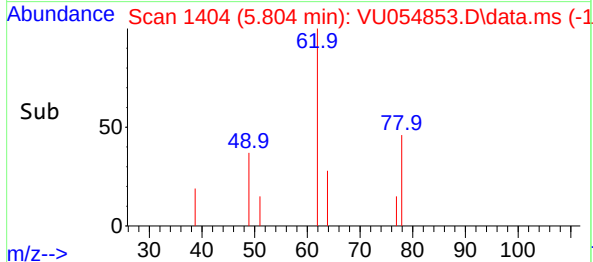
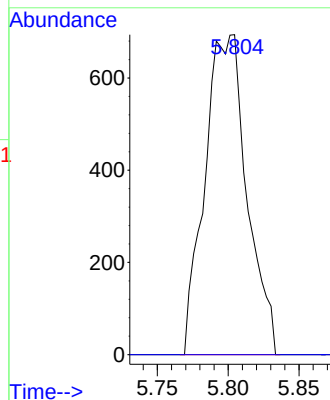
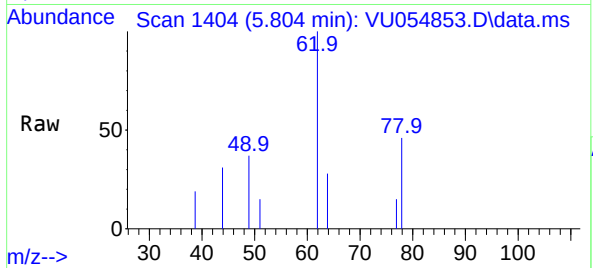




#36
1,2-Dichloroethane
Concen: 0.210 ug/l
RT: 5.804 min Scan# 1404
Delta R.T. 0.013 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

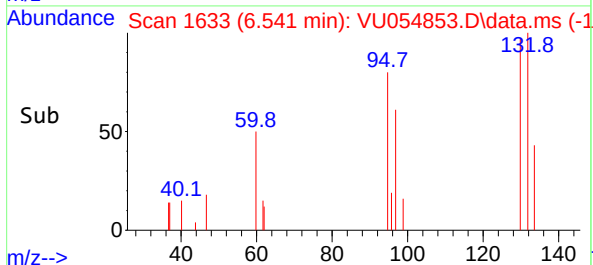
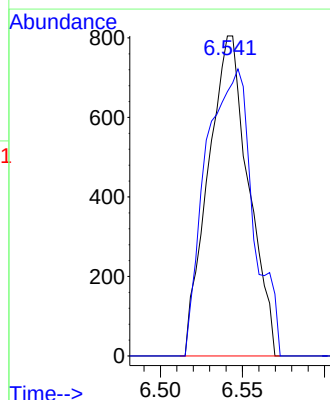
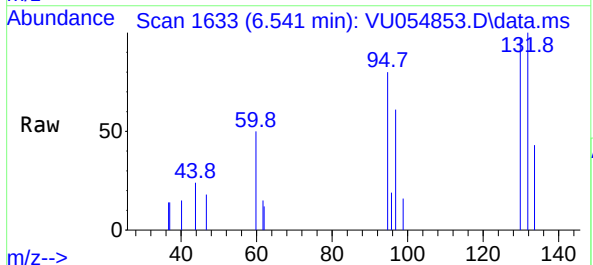
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023

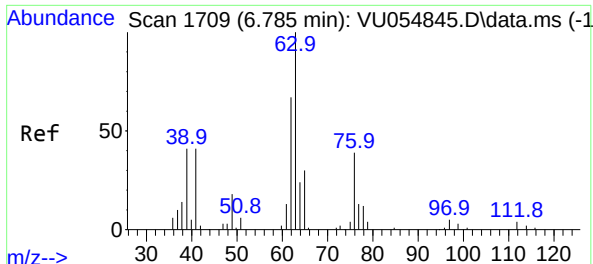
Tgt Ion: 62 Resp: 1437
Ion Ratio Lower Upper
62 100
98 0.0 7.8 11.8#



#37
Trichloroethene
Concen: 0.214 ug/l
RT: 6.541 min Scan# 1633
Delta R.T. 0.000 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

Tgt Ion:130 Resp: 1377
Ion Ratio Lower Upper
130 100
95 82.6 76.8 115.2

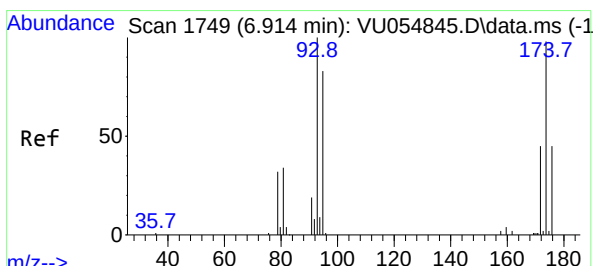
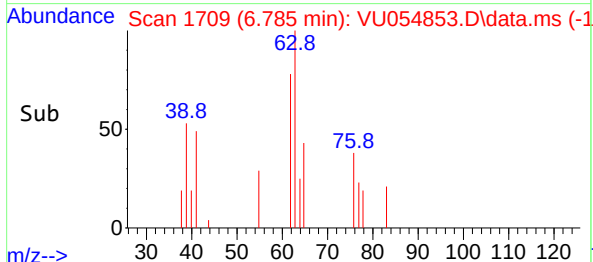
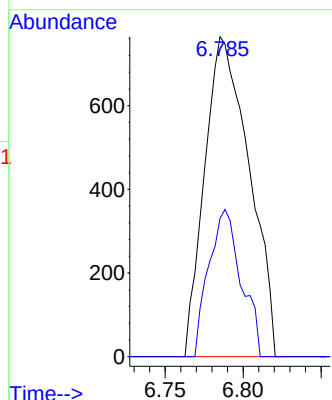
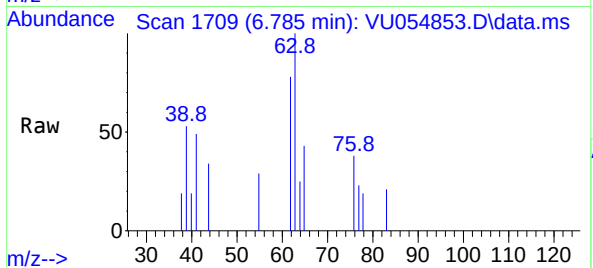




#38
1,2-Dichloropropane
Concen: 0.221 ug/l
RT: 6.785 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

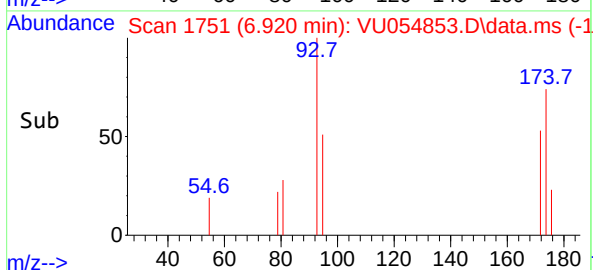
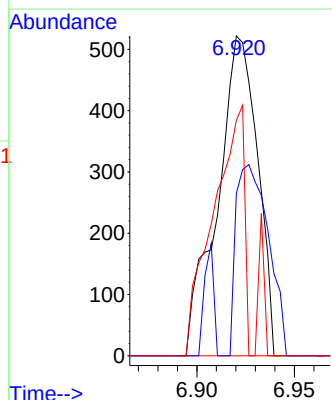
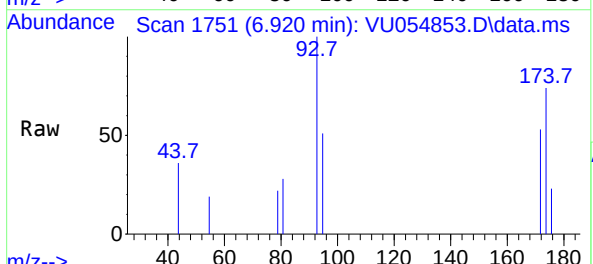
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023

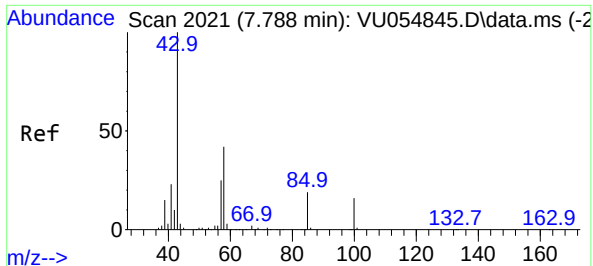
Tgt Ion: 63 Resp: 1517
Ion Ratio Lower Upper
63 100
65 43.3 24.3 36.5#



#43
Dibromomethane
Concen: 0.234 ug/l
RT: 6.920 min Scan# 1751
Delta R.T. 0.007 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

Tgt Ion: 93 Resp: 748
Ion Ratio Lower Upper
93 100
95 48.3 64.7 97.1#
174 60.3 74.4 111.6#





#45

4-Methyl-2-Pentanone

Concen: 1.106 ug/l

RT: 7.798 min Scan# 2021

Delta R.T. 0.010 min

Lab File: VU054853.D

Acq: 24 Jul 2023 12:14

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2023

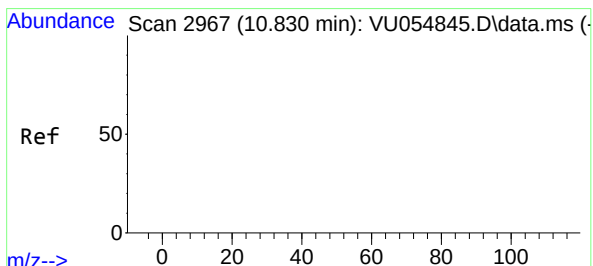
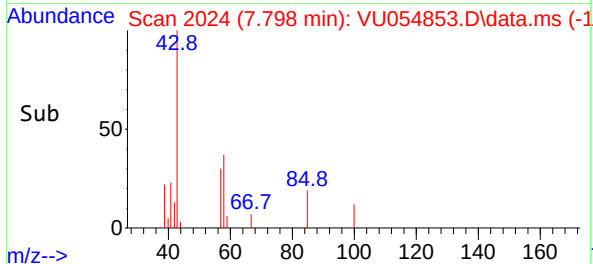
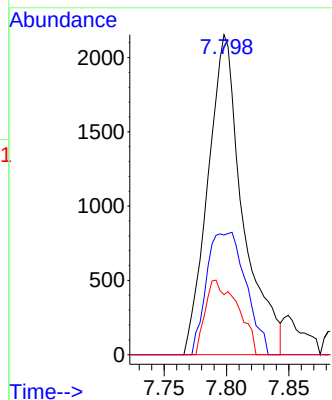
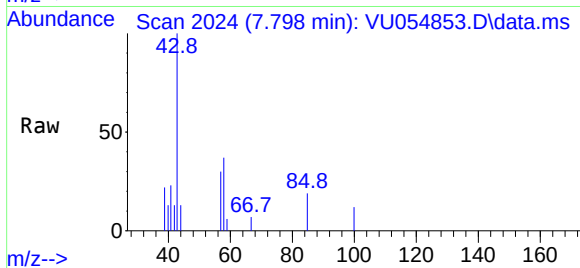
Tgt Ion: 43 Resp: 4185

Ion Ratio Lower Upper

43 100

58 42.9 21.3 63.7

85 21.6 15.3 22.9



#46

t-1,4-Dichloro-2-butene

Concen: 0.891 ug/l

RT: 10.830 min Scan# 2967

Delta R.T. 0.000 min

Lab File: VU054853.D

Acq: 24 Jul 2023 12:14

Tgt Ion: 75 Resp: 1411

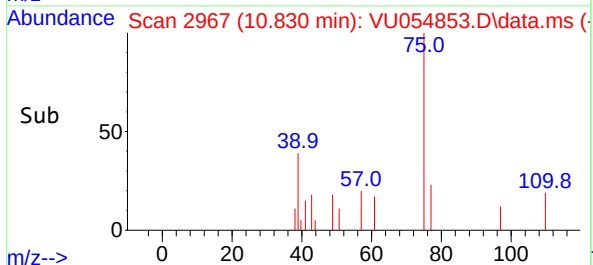
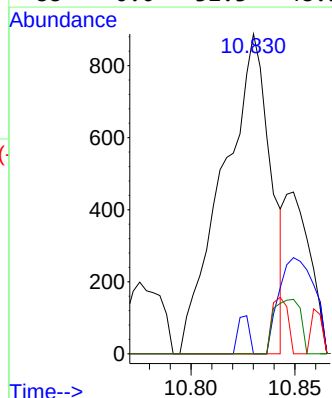
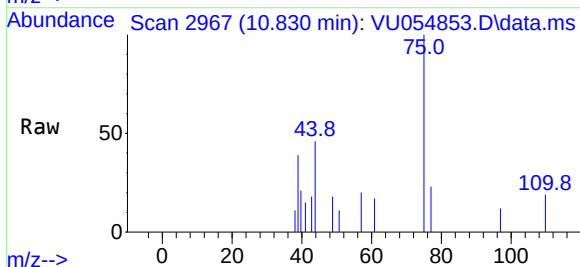
Ion Ratio Lower Upper

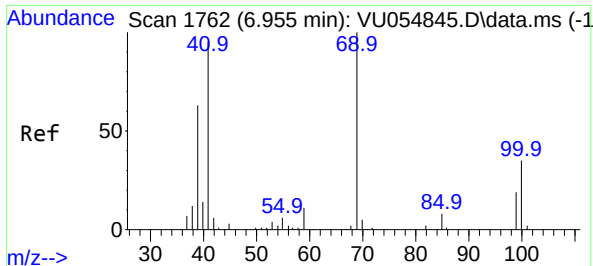
75 100

53 2.8 62.9 94.3#

89 0.0 47.8 71.8#

88 0.0 32.3 48.5#





#47

Methyl methacrylate

Concen: 0.434 ug/l

RT: 6.972 min Scan# 1

Delta R.T. 0.016 min

Lab File: VU054853.D

Acq: 24 Jul 2023 12:14

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2023

Tgt Ion: 69 Resp: 1303

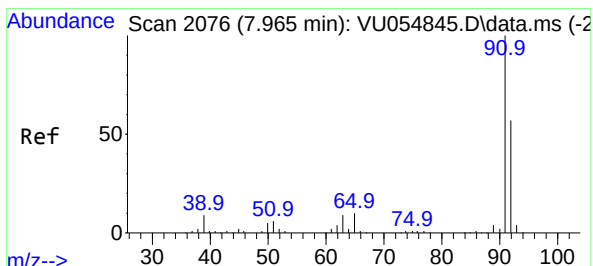
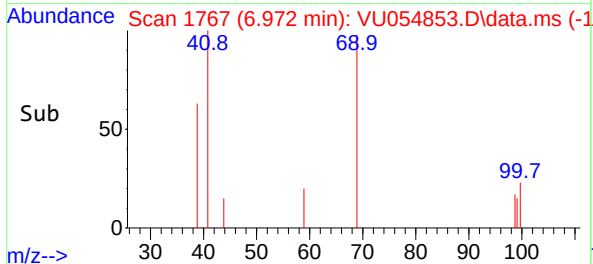
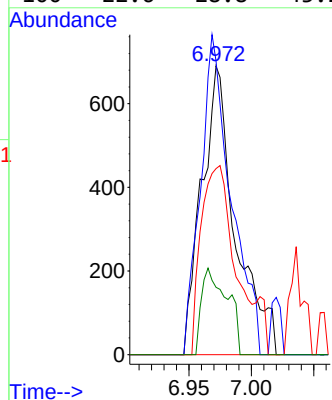
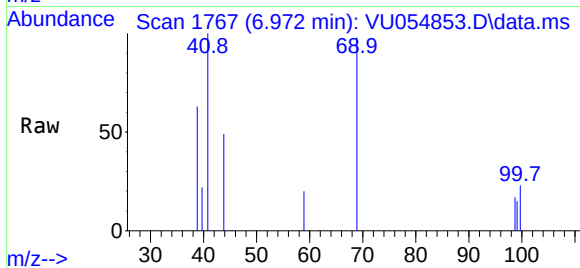
Ion Ratio Lower Upper

69 100

41 100.0 0.0 193.0

39 63.6 50.4 75.6

100 22.6 28.8 43.2#



#49

Toluene

Concen: 0.223 ug/l

RT: 7.972 min Scan# 2078

Delta R.T. 0.007 min

Lab File: VU054853.D

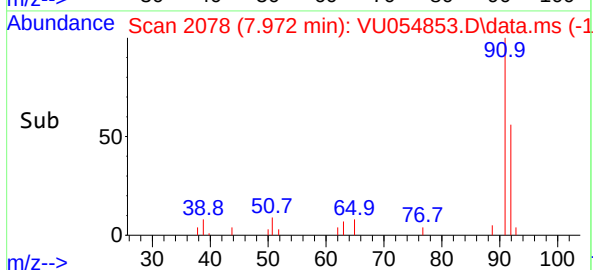
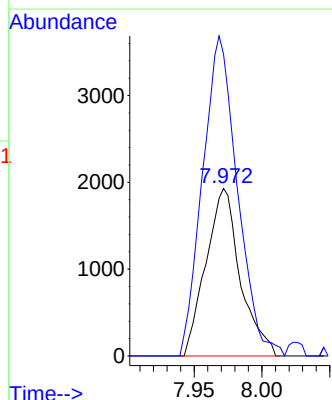
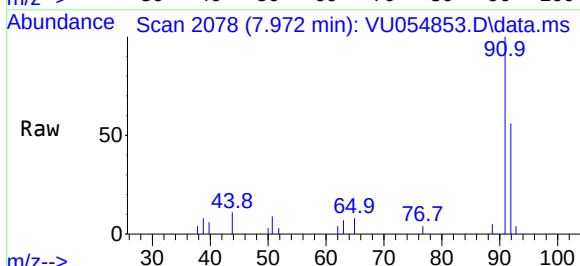
Acq: 24 Jul 2023 12:14

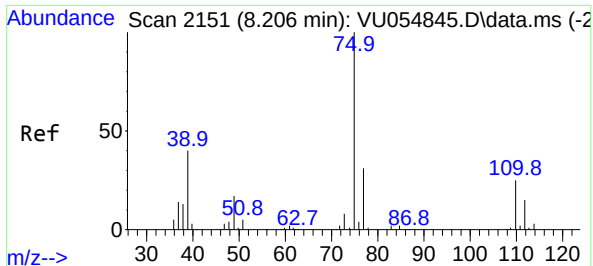
Tgt Ion: 92 Resp: 3389

Ion Ratio Lower Upper

92 100

91 194.0 142.9 214.3

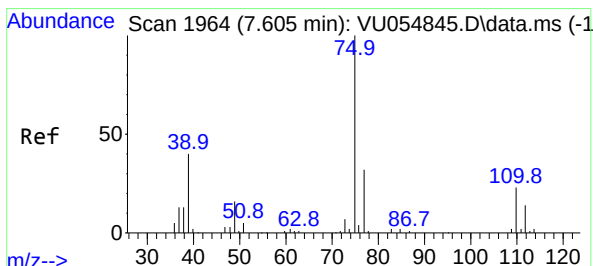
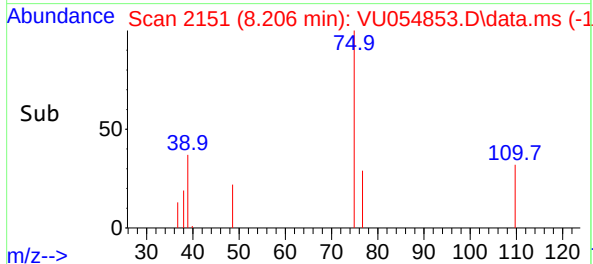
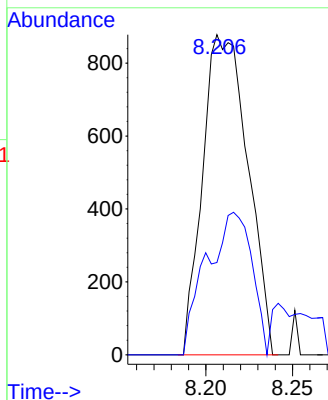
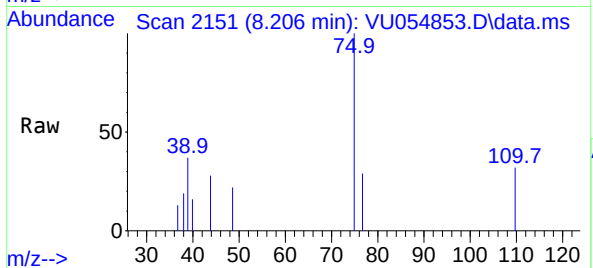




#50
t-1,3-Dichloropropene
Concen: 0.205 ug/l
RT: 8.206 min Scan# 2151
Delta R.T. 0.000 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

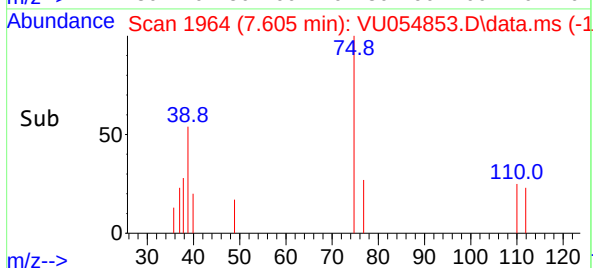
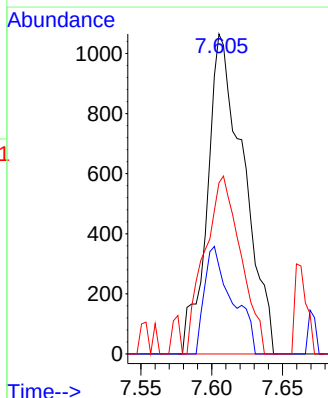
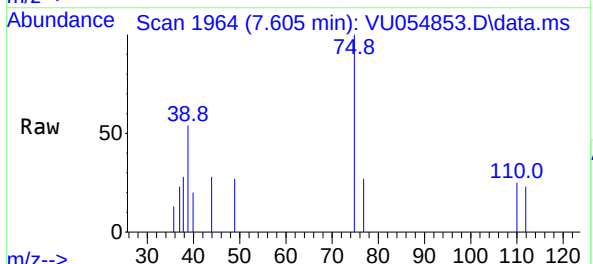
Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT3-2023

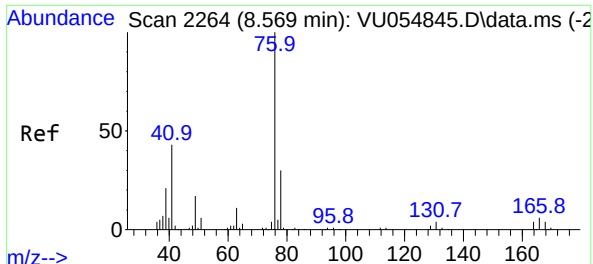
Tgt Ion: 75 Resp: 1589
Ion Ratio Lower Upper
75 100
77 28.8 24.9 37.3



#51
cis-1,3-Dichloropropene
Concen: 0.201 ug/l
RT: 7.605 min Scan# 1964
Delta R.T. 0.000 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

Tgt Ion: 75 Resp: 1897
Ion Ratio Lower Upper
75 100
77 27.3 25.8 38.8
39 43.6 31.7 47.5

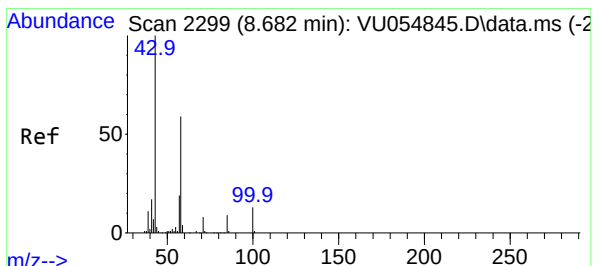
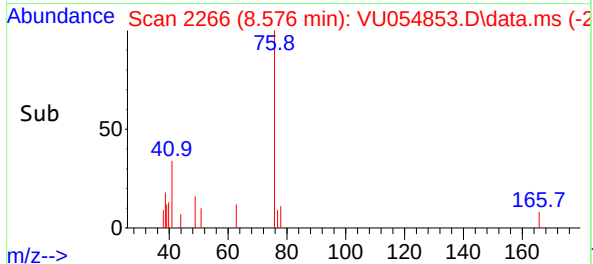
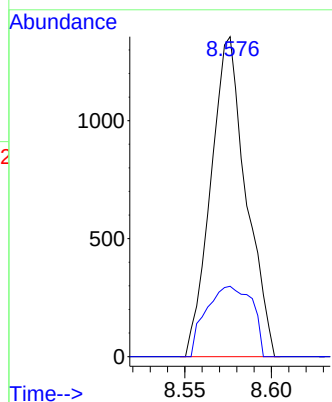
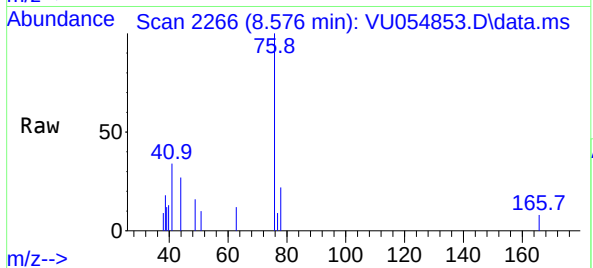




#53
1,3-Dichloropropane
Concen: 0.236 ug/l
RT: 8.576 min Scan# 219
Delta R.T. 0.007 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

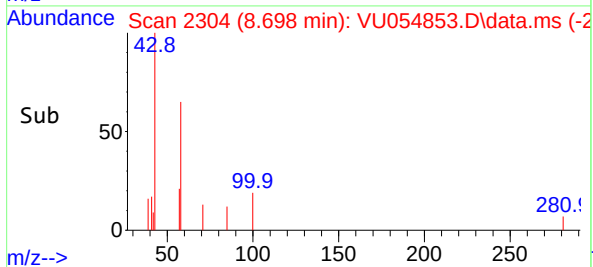
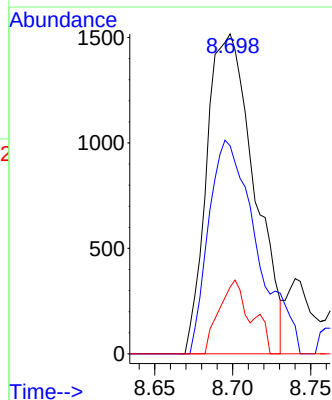
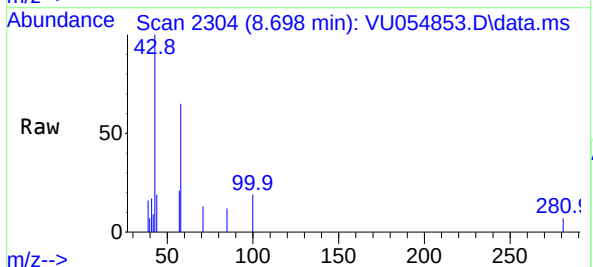
Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT3-2023

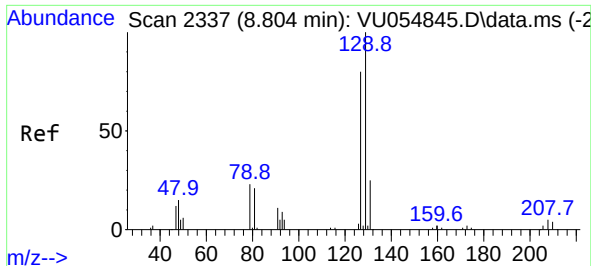
Tgt Ion: 76 Resp: 1918
Ion Ratio Lower Upper
76 100
78 28.6 24.6 36.8



#54
2-Hexanone
Concen: 1.216 ug/l
RT: 8.698 min Scan# 2304
Delta R.T. 0.016 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

Tgt Ion: 43 Resp: 3209
Ion Ratio Lower Upper
43 100
58 67.7 38.9 78.9
57 12.4 0.0 38.7





#55

Dibromochloromethane

Concen: 0.213 ug/l

RT: 8.811 min Scan# 21

Delta R.T. 0.007 min

Lab File: VU054853.D

Acq: 24 Jul 2023 12:14

Instrument :

MSVOA_U

ClientSampleId :

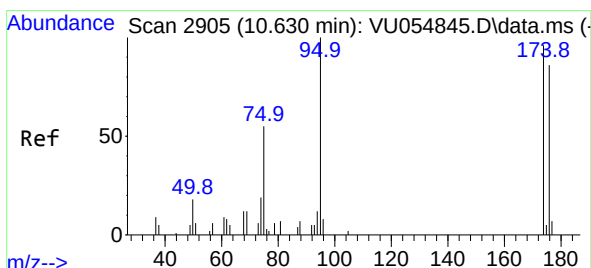
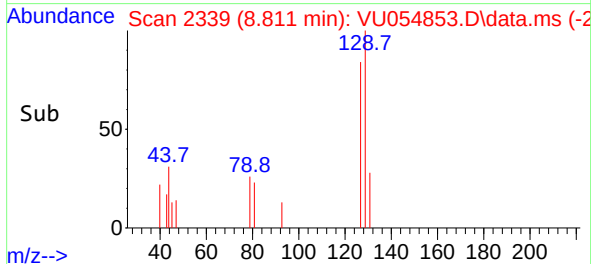
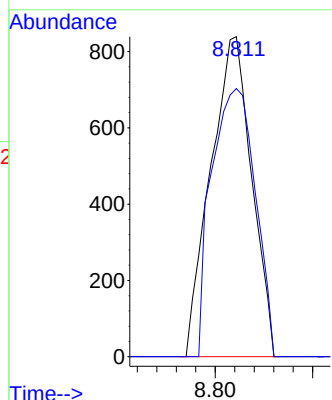
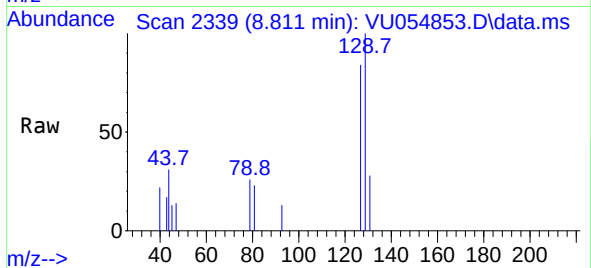
LOD-MDL-WATER-01-QT3-2023

Tgt Ion:129 Resp: 1226

Ion Ratio Lower Upper

129 100

127 89.2 61.4 92.0



#57

4-Bromofluorobenzene

Concen: 1.064 ug/l

RT: 10.631 min Scan# 2905

Delta R.T. 0.000 min

Lab File: VU054853.D

Acq: 24 Jul 2023 12:14

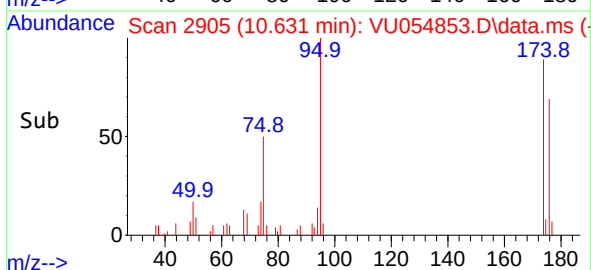
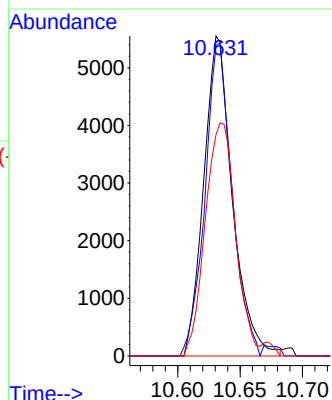
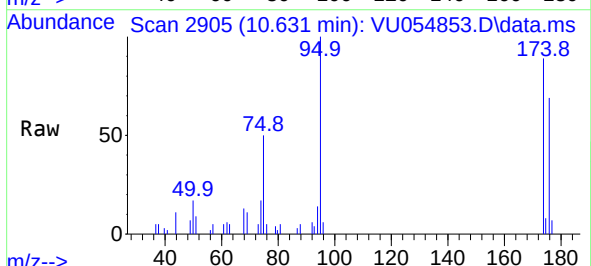
Tgt Ion: 95 Resp: 8860

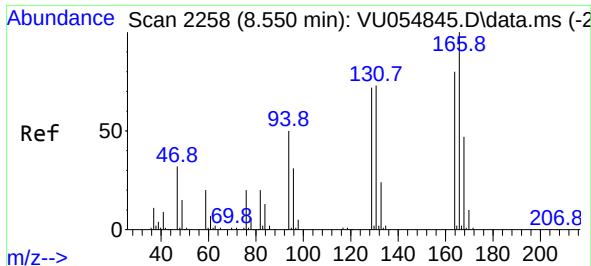
Ion Ratio Lower Upper

95 100

174 92.8 79.3 118.9

176 77.1 71.5 107.3



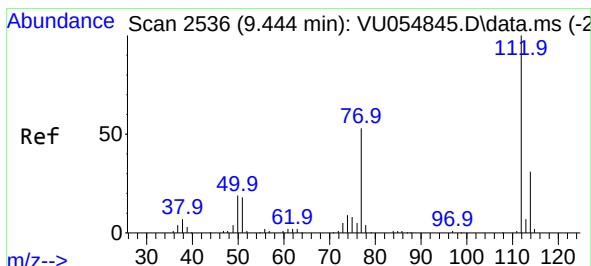
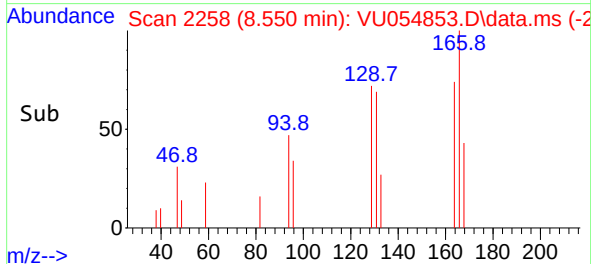
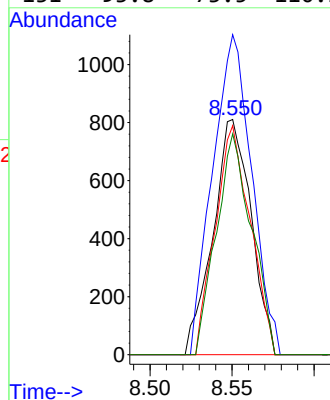
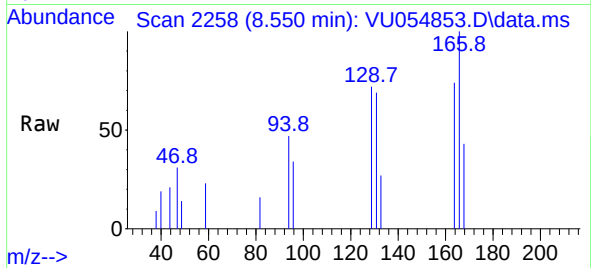


#58
Tetrachloroethene
Concen: 0.233 ug/l
RT: 8.550 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023

Tgt Ion:164 Resp: 1307

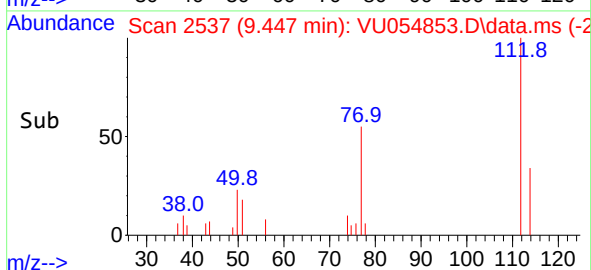
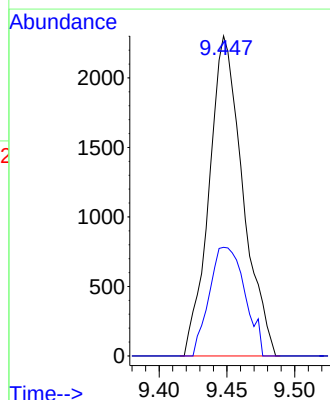
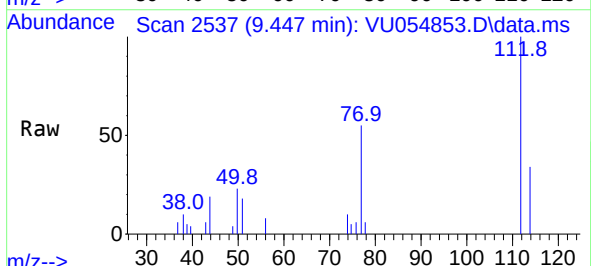
Ion	Ratio	Lower	Upper
164	100		
166	136.0	100.4	150.6
129	97.3	71.9	107.9
131	93.8	73.5	110.3

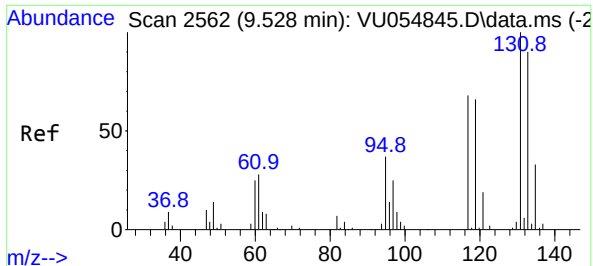


#59
Chlorobenzene
Concen: 0.220 ug/l
RT: 9.447 min Scan# 2537
Delta R.T. 0.003 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

Tgt Ion:112 Resp: 3981

Ion	Ratio	Lower	Upper
112	100		
114	34.0	25.0	37.6

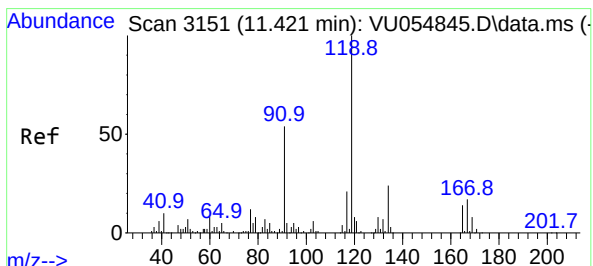
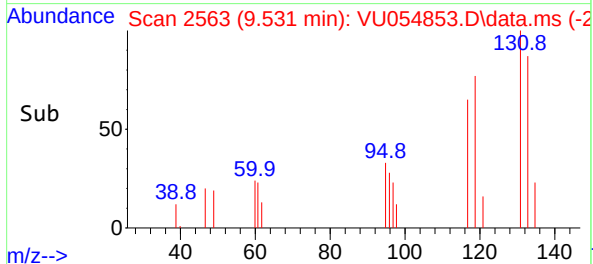
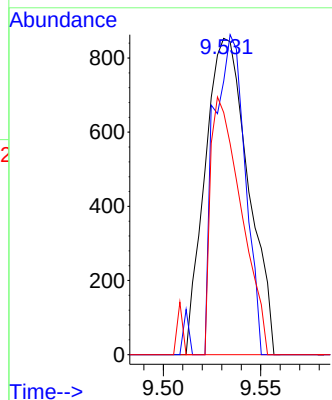
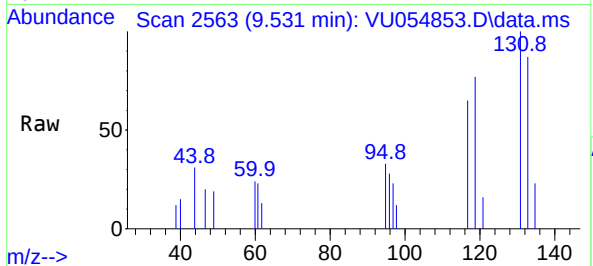




#60
1,1,1,2-Tetrachloroethane
Concen: 0.206 ug/l
RT: 9.531 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

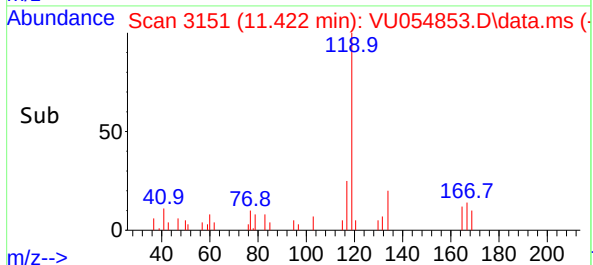
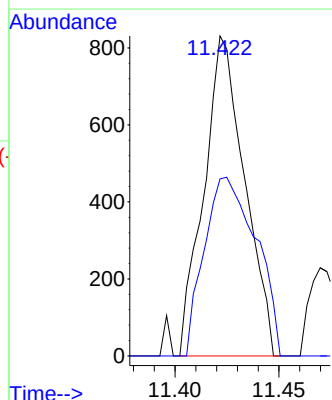
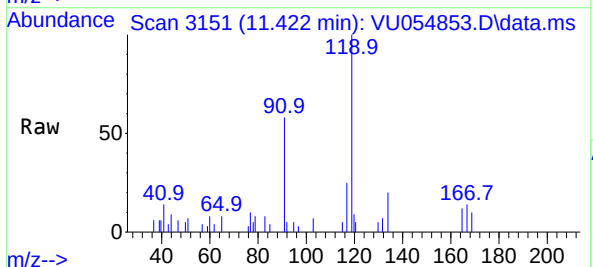
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023

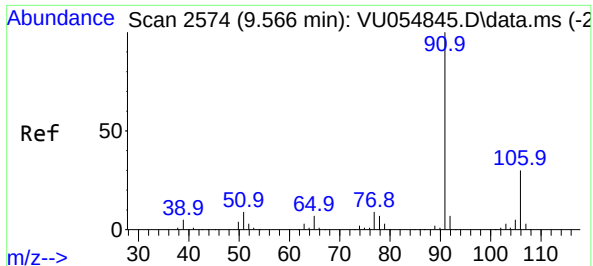
Tgt Ion:131 Resp: 1314
Ion Ratio Lower Upper
131 100
133 72.5 74.2 111.4#
119 57.8 51.0 76.4



#61
Pentachloroethane
Concen: 0.225 ug/l
RT: 11.422 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

Tgt Ion:117 Resp: 1132
Ion Ratio Lower Upper
117 100
167 70.9 65.3 97.9

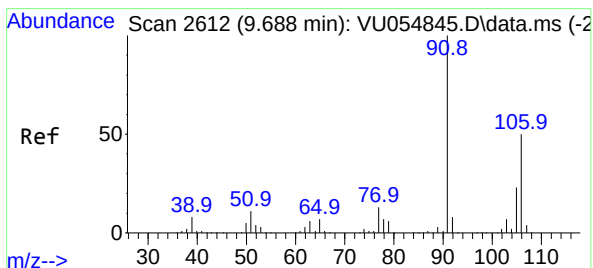
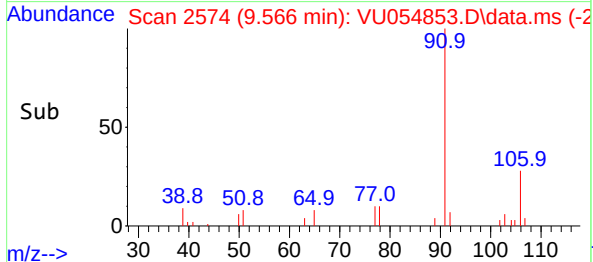
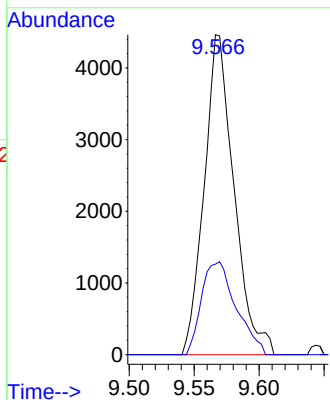
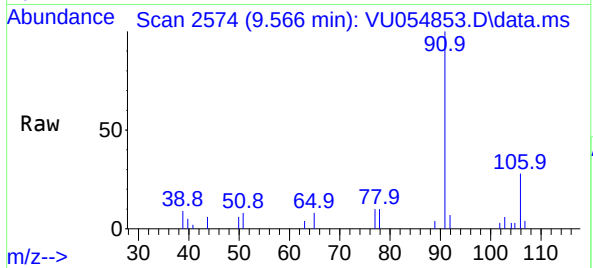




#63
Ethyl Benzene
Concen: 0.231 ug/l
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

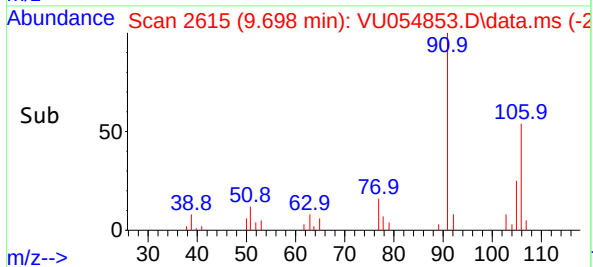
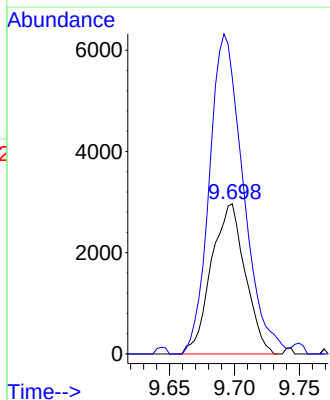
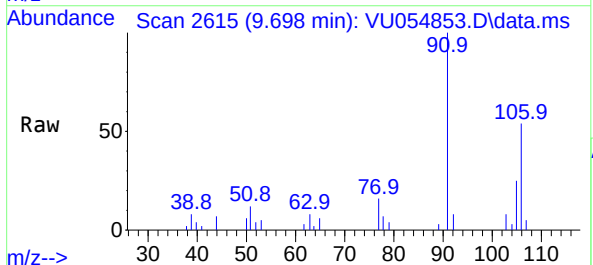
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023

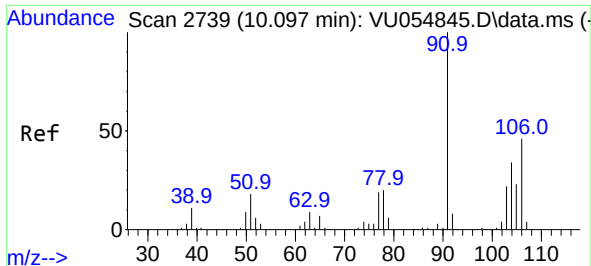
Tgt Ion: 91 Resp: 7120
Ion Ratio Lower Upper
91 100
106 28.3 24.2 36.2



#64
m/p-Xylenes
Concen: 0.460 ug/l
RT: 9.698 min Scan# 2615
Delta R.T. 0.010 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

Tgt Ion: 106 Resp: 5372
Ion Ratio Lower Upper
106 100
91 213.2 158.8 238.2

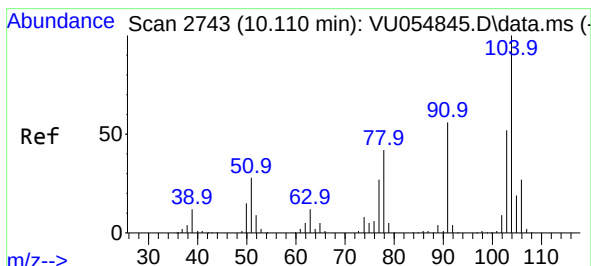
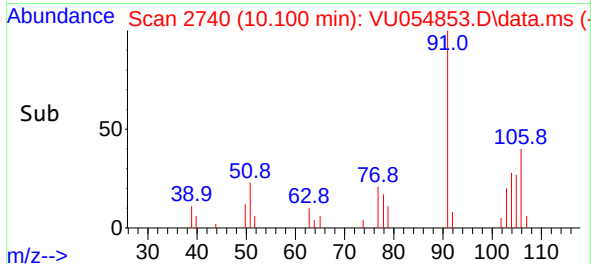
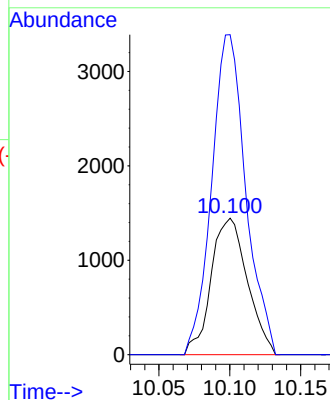
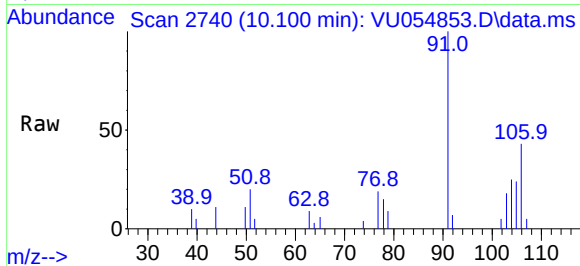




#65
o-Xylene
Concen: 0.219 ug/l
RT: 10.100 min Scan# 2739
Delta R.T. 0.003 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

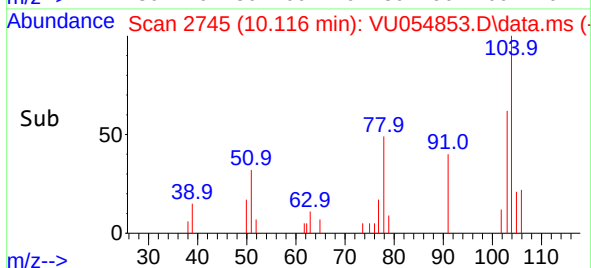
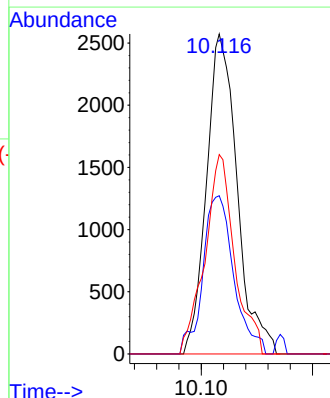
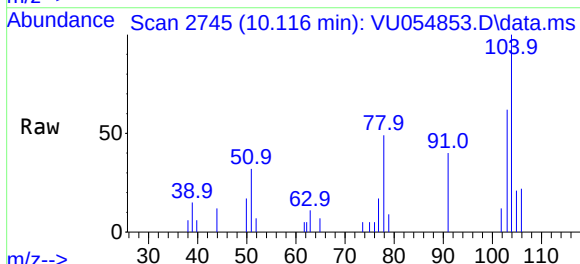
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023

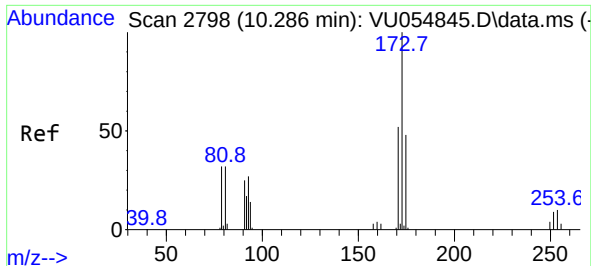
Tgt Ion:106 Resp: 2571
Ion Ratio Lower Upper
106 100
91 220.8 108.9 326.8



#66
Styrene
Concen: 0.260 ug/l
RT: 10.116 min Scan# 2745
Delta R.T. 0.007 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

Tgt Ion:104 Resp: 4917
Ion Ratio Lower Upper
104 100
78 49.9 37.5 56.3
103 60.3 45.2 67.8

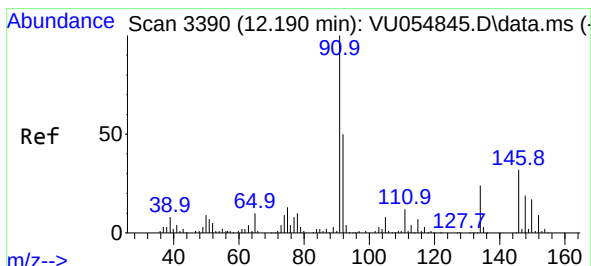
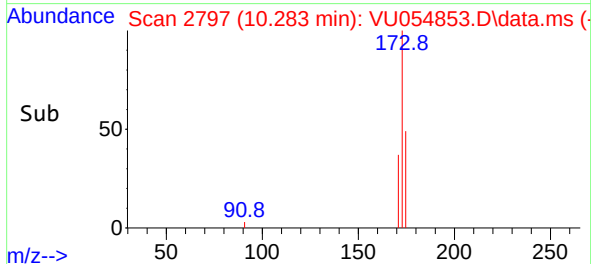
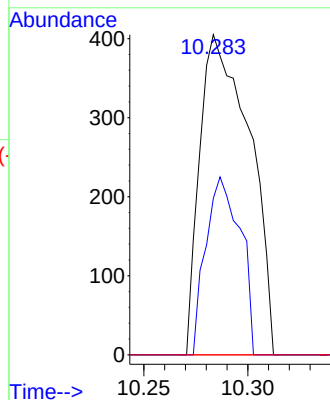
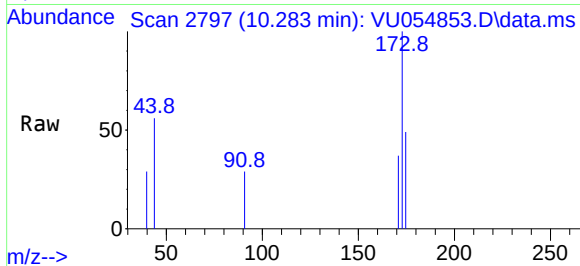




#67
Bromoform
Concen: 0.216 ug/l
RT: 10.283 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

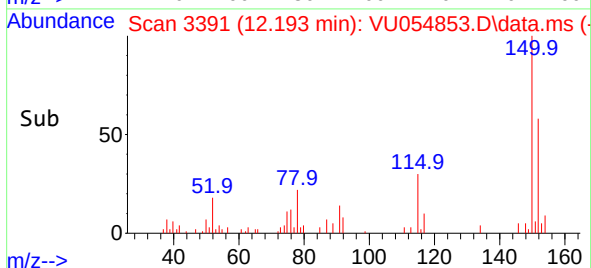
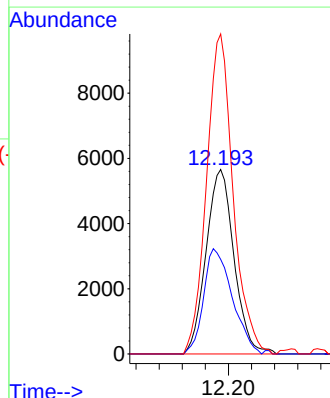
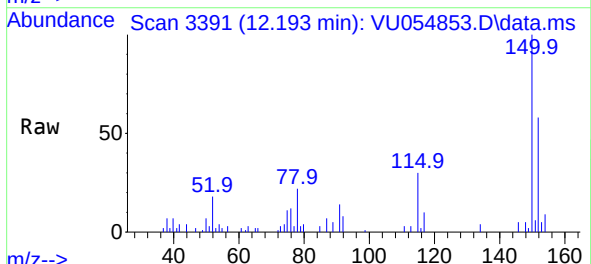
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023

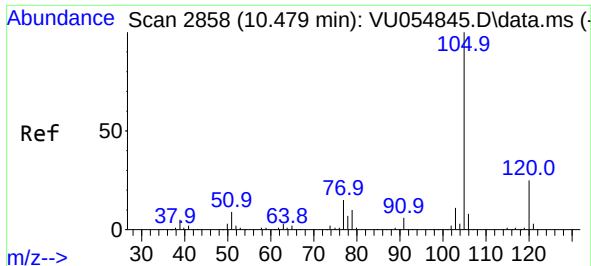
Tgt Ion:173 Resp: 671
Ion Ratio Lower Upper
173 100
175 38.6 39.0 58.6#
254 0.0 7.4 11.0#



#68
1,2-Dichlorobenzene-d4
Concen: 0.986 ug/l
RT: 12.193 min Scan# 3391
Delta R.T. 0.003 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

Tgt Ion:152 Resp: 9508
Ion Ratio Lower Upper
152 100
115 58.5 0.0 234.8
150 165.0 0.0 598.2

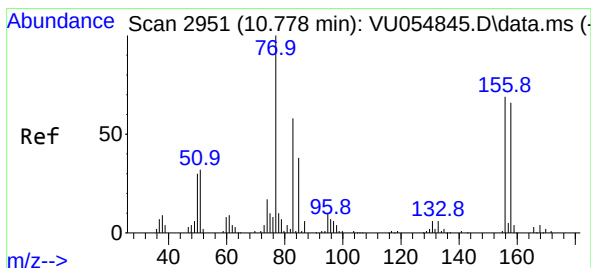
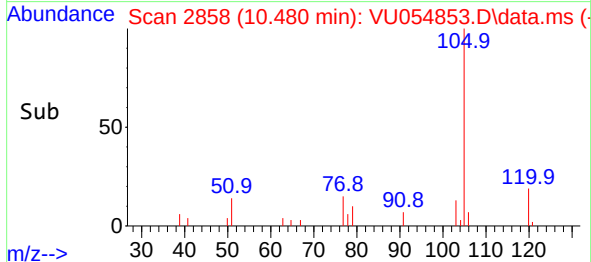
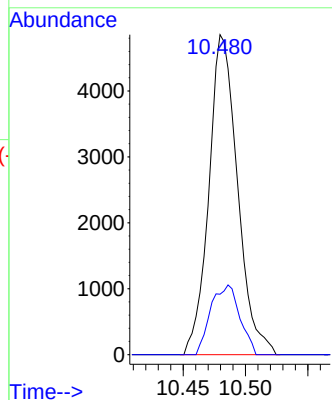
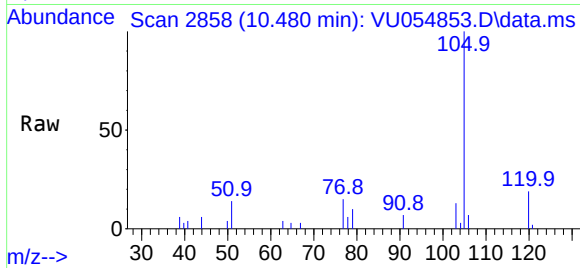




#69
Isopropylbenzene
Concen: 0.244 ug/l
RT: 10.480 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

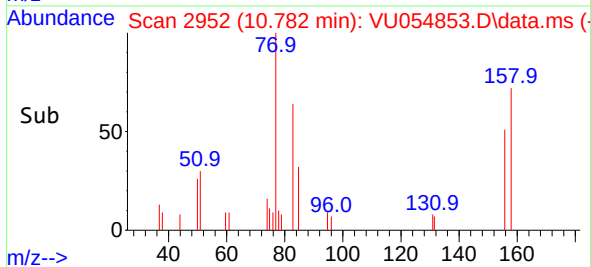
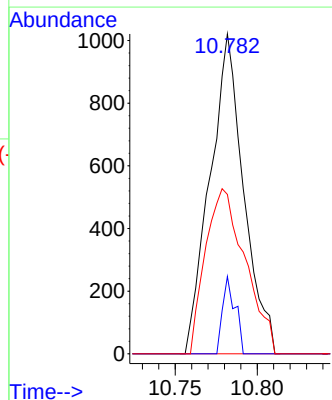
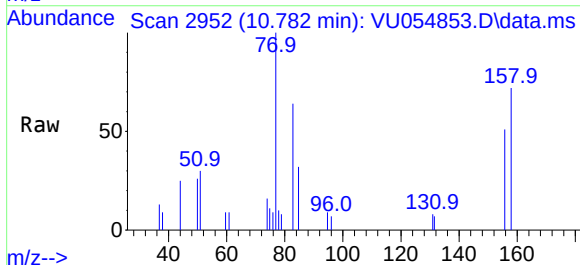
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023

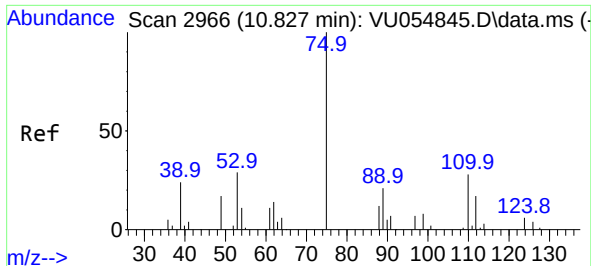
Tgt Ion:105 Resp: 7769
Ion Ratio Lower Upper
105 100
120 22.0 12.6 37.6



#70
1,1,2,2-Tetrachloroethane
Concen: 0.243 ug/l
RT: 10.782 min Scan# 2952
Delta R.T. 0.003 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

Tgt Ion: 83 Resp: 1460
Ion Ratio Lower Upper
83 100
131 9.0 7.5 11.3
85 60.8 53.0 79.6

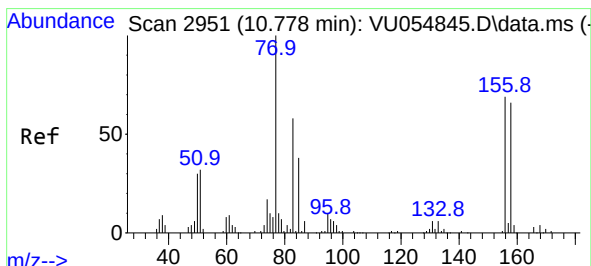
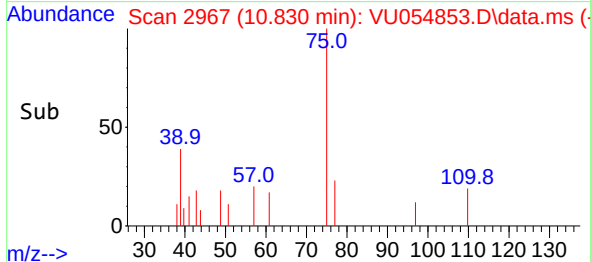
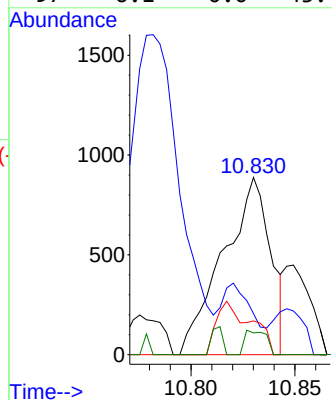
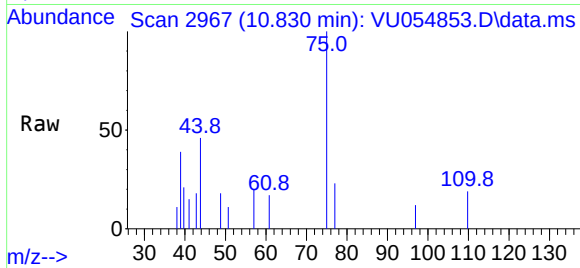




#71
1,2,3-Trichloropropane
Concen: 0.333 ug/l
RT: 10.830 min Scan# 2966
Delta R.T. 0.003 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

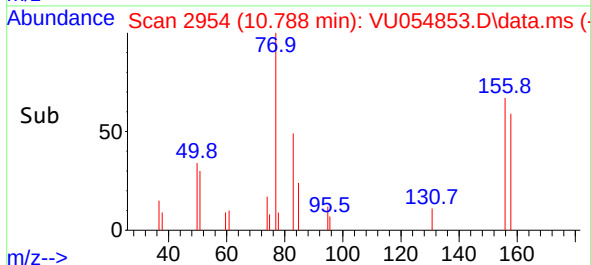
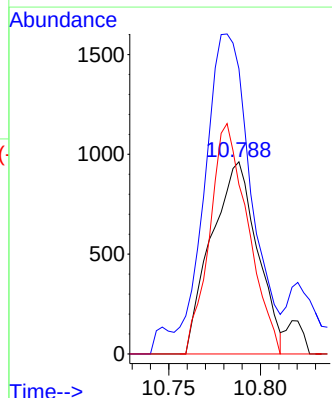
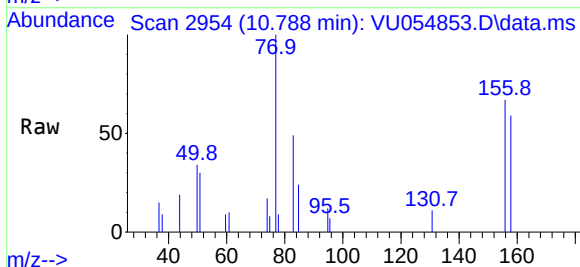
Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT3-2023

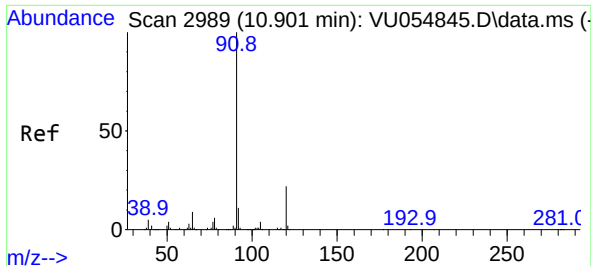
Tgt Ion:	75	Resp:	1411
Ion	Ratio	Lower	Upper
75	100		
77	15.8	0.0	0.0#
110	0.0	0.0	80.8
97	6.1	0.0	43.4



#72
Bromobenzene
Concen: 0.228 ug/l
RT: 10.788 min Scan# 2954
Delta R.T. 0.010 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

Tgt Ion:	156	Resp:	1676
Ion	Ratio	Lower	Upper
156	100		
77	167.1	0.0	293.2
158	100.2	0.0	189.8

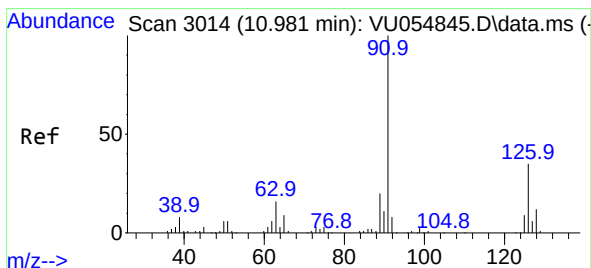
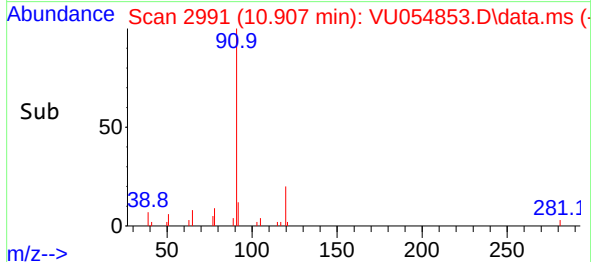
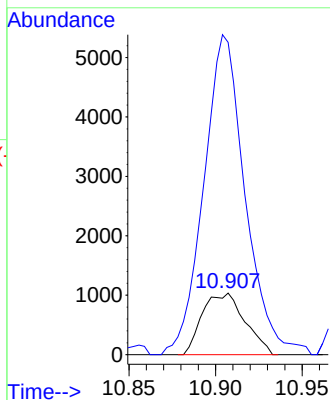
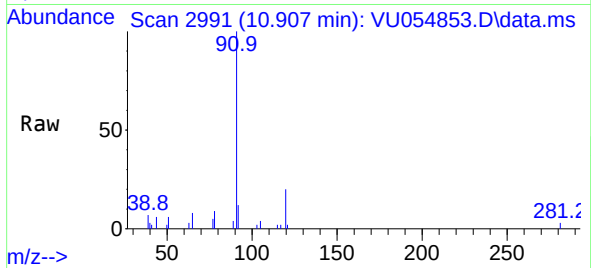




#73
n-propylbenzene
Concen: 0.206 ug/l
RT: 10.907 min Scan# 2991
Delta R.T. 0.007 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

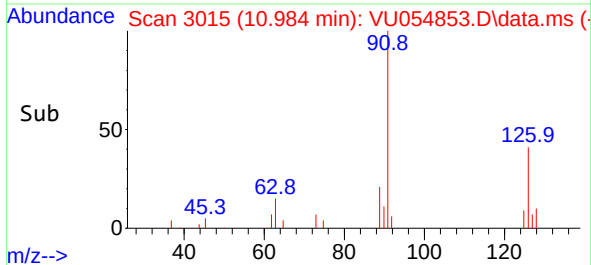
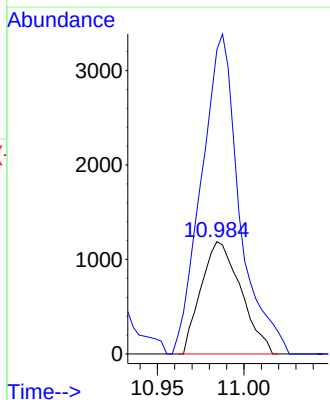
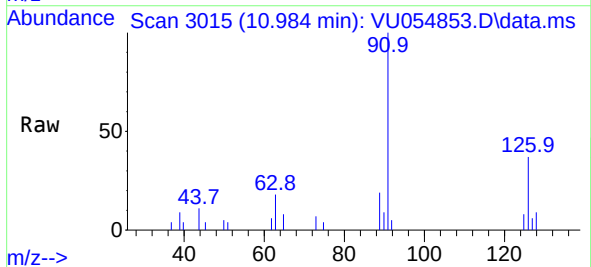
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023

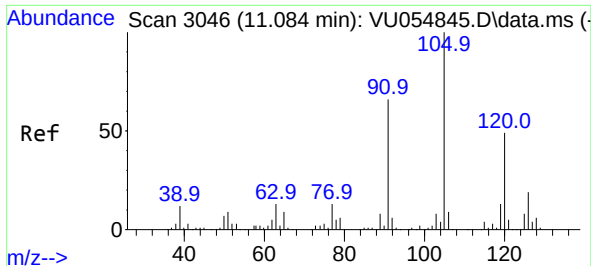
Tgt Ion:120 Resp: 1769
Ion Ratio Lower Upper
120 100
91 507.0 361.8 542.6



#74
2-Chlorotoluene
Concen: 0.254 ug/l
RT: 10.984 min Scan# 3015
Delta R.T. 0.003 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

Tgt Ion:126 Resp: 1897
Ion Ratio Lower Upper
126 100
91 272.1 0.0 561.4

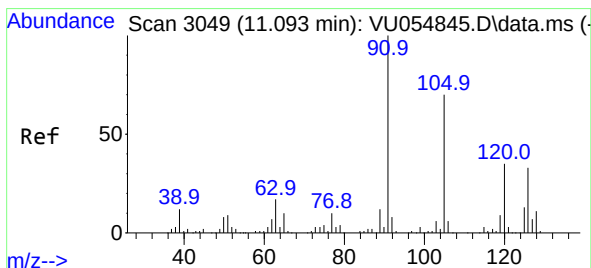
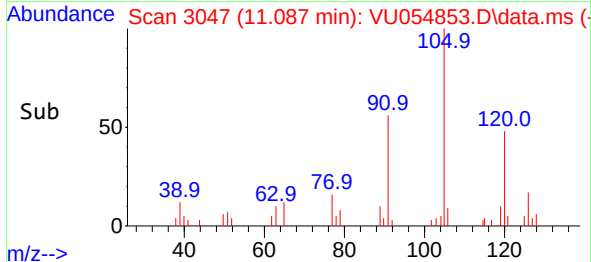
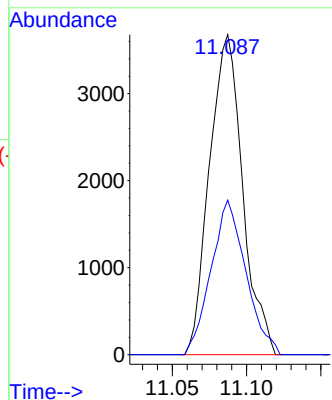
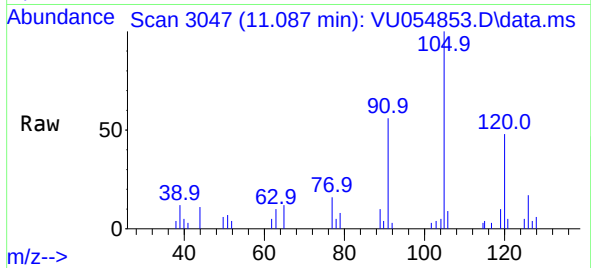




#75
1,3,5-Trimethylbenzene
Concen: 0.220 ug/l
RT: 11.087 min Scan# 3046
Delta R.T. 0.003 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

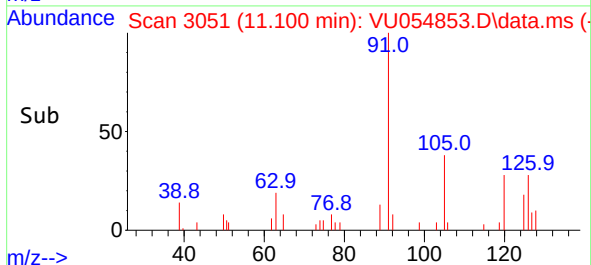
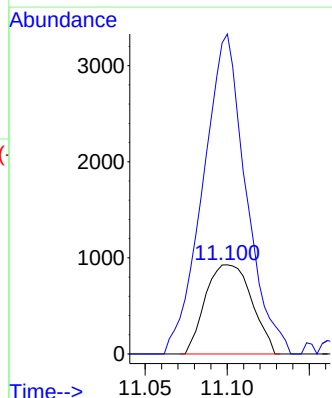
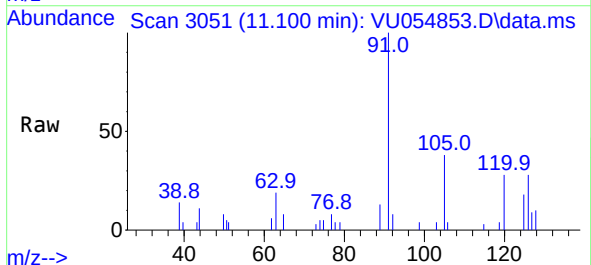
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023

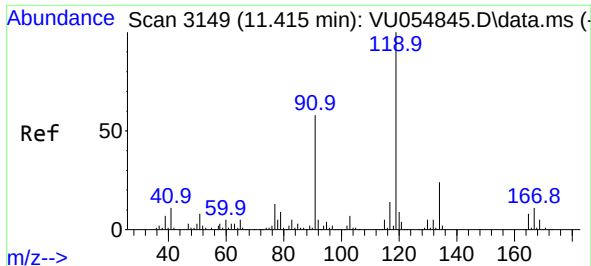
Tgt Ion:105 Resp: 5724
Ion Ratio Lower Upper
105 100
120 50.7 39.0 58.4



#76
4-Chlorotoluene
Concen: 0.237 ug/l
RT: 11.100 min Scan# 3051
Delta R.T. 0.007 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

Tgt Ion:126 Resp: 1819
Ion Ratio Lower Upper
126 100
91 332.4 0.0 623.4

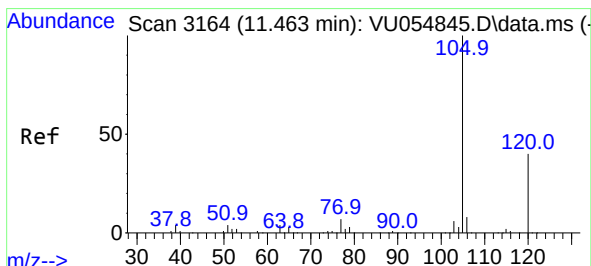
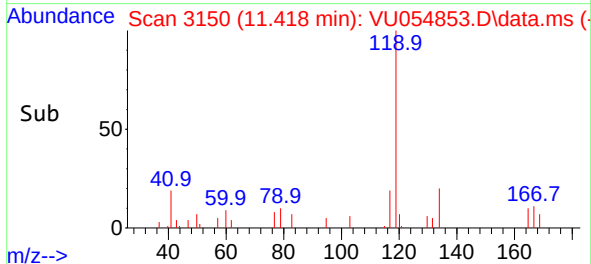
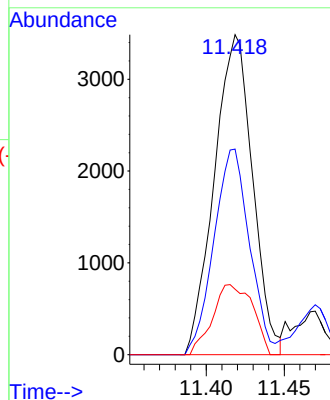
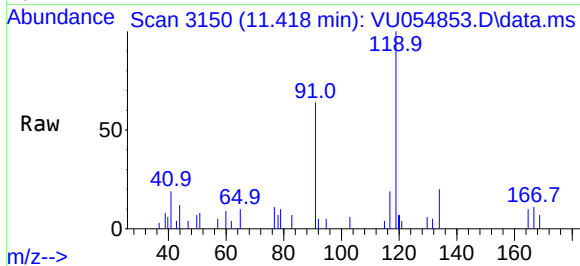




#77
tert-Butylbenzene
Concen: 0.222 ug/l
RT: 11.418 min Scan# 3149
Delta R.T. 0.003 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

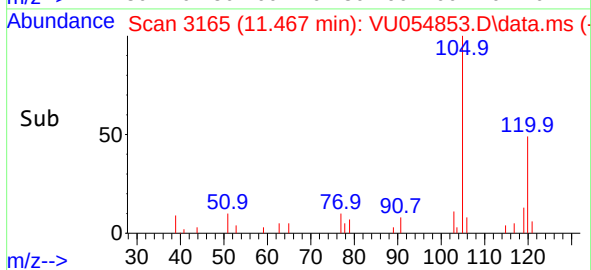
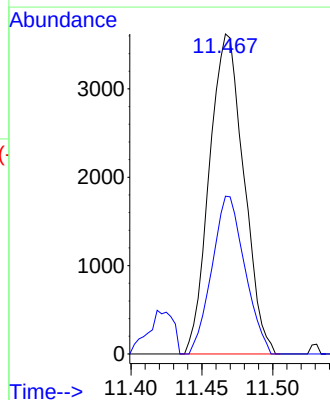
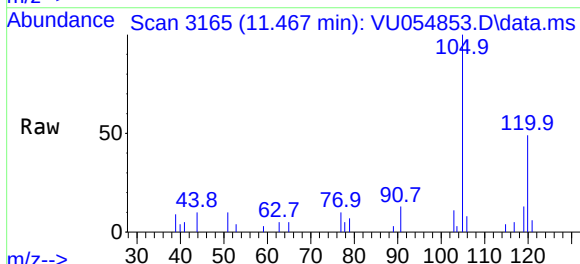
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023

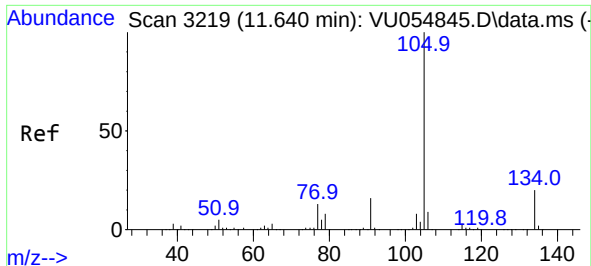
Tgt Ion:	119	Resp:	5952
Ion	Ratio	Lower	Upper
119	100		
91	59.9	27.7	83.1
134	23.0	18.6	27.8



#78
1,2,4-Trimethylbenzene
Concen: 0.234 ug/l
RT: 11.467 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

Tgt Ion:	105	Resp:	6110
Ion	Ratio	Lower	Upper
105	100		
120	47.1	22.4	67.3

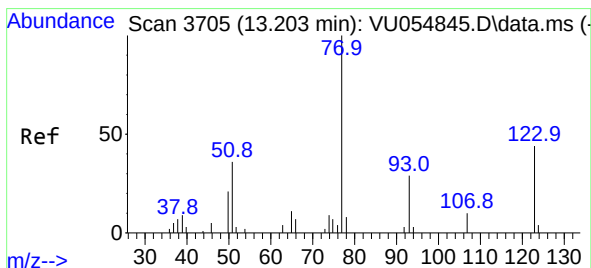
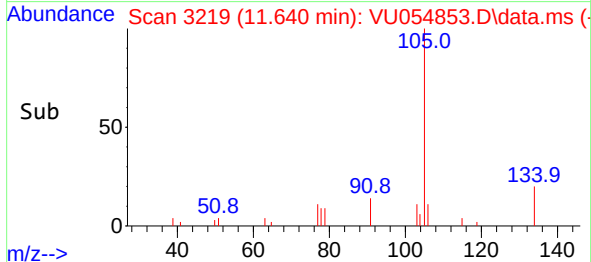
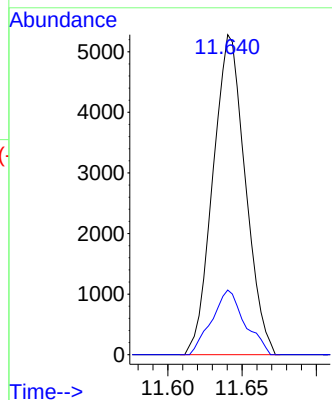
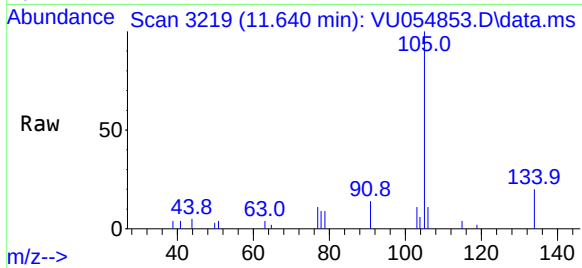




#79
 sec-Butylbenzene
 Concen: 0.230 ug/l
 RT: 11.640 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU054853.D
 Acq: 24 Jul 2023 12:14

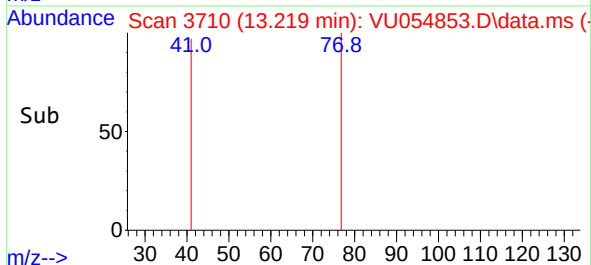
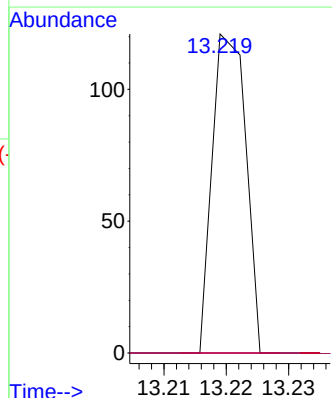
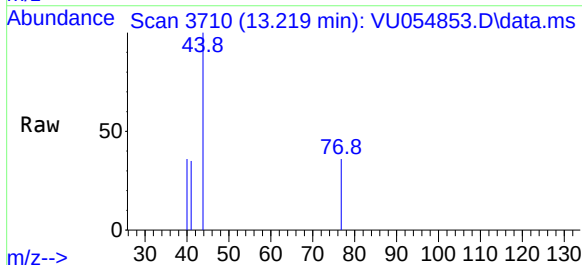
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2023

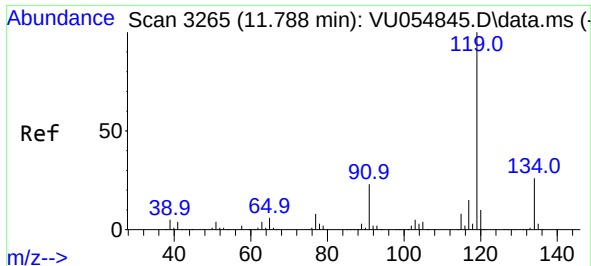
Tgt Ion:105 Resp: 7999
 Ion Ratio Lower Upper
 105 100
 134 20.7 15.7 23.5



#80
 Nitrobenzene
 Concen: 3.262 ug/l
 RT: 13.219 min Scan# 3710
 Delta R.T. 0.016 min
 Lab File: VU054853.D
 Acq: 24 Jul 2023 12:14

Tgt Ion: 77 Resp: 45
 Ion Ratio Lower Upper
 77 100
 123 108.9 20.2 71.8#
 65 0.0 11.7 14.9#

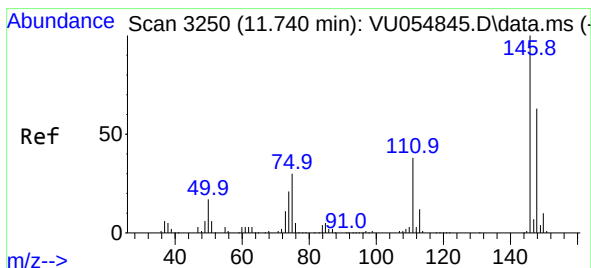
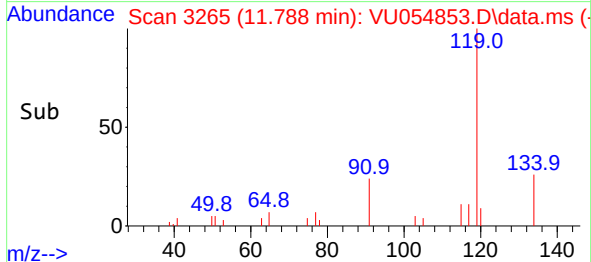
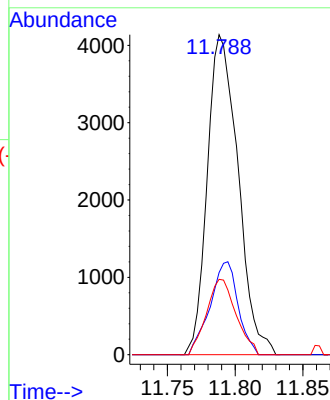
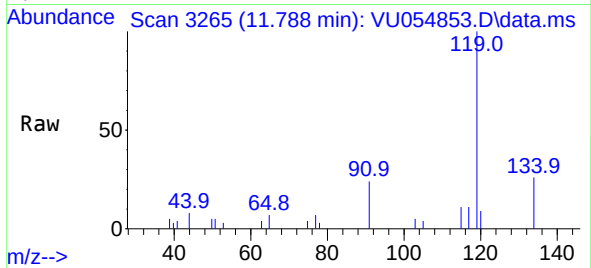




#81
p-Isopropyltoluene
Concen: 0.230 ug/l
RT: 11.788 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

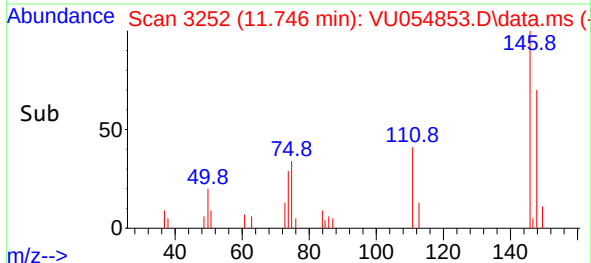
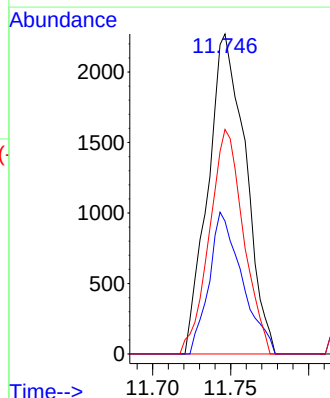
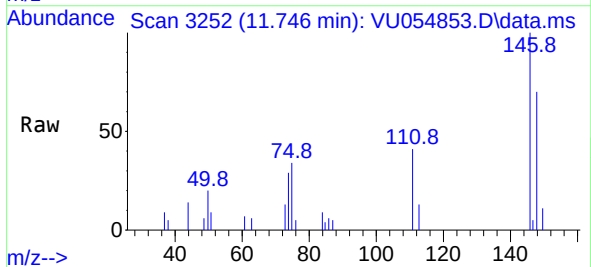
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023

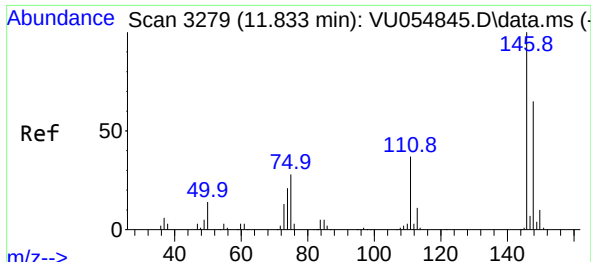
Tgt Ion:	119	Resp:	6515
Ion Ratio	Lower	Upper	
119	100		
134	26.5	20.6	31.0
91	22.7	18.2	27.4



#82
1,3-Dichlorobenzene
Concen: 0.257 ug/l
RT: 11.746 min Scan# 3252
Delta R.T. 0.007 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

Tgt Ion:	146	Resp:	3793
Ion Ratio	Lower	Upper	
146	100		
111	39.1	30.5	45.7
148	63.9	51.0	76.6



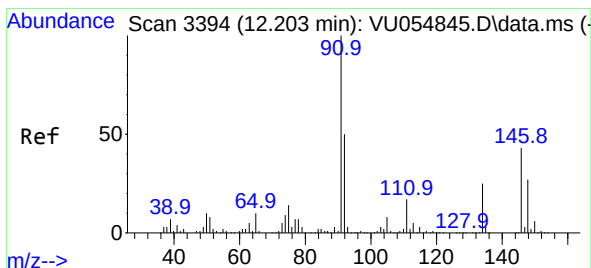
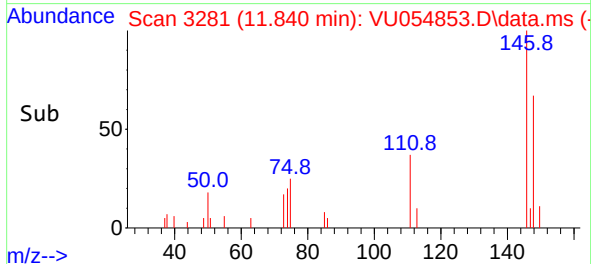
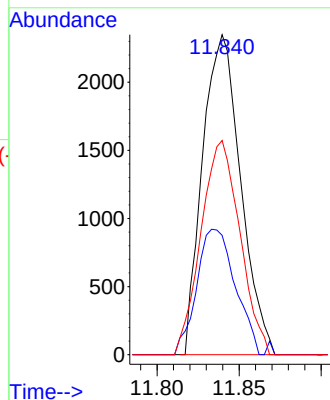
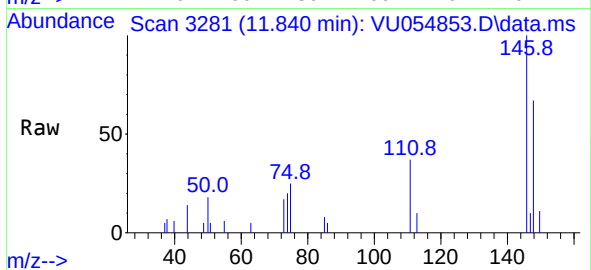


#83
1,4-Dichlorobenzene
Concen: 0.257 ug/l
RT: 11.840 min Scan# 31
Delta R.T. 0.007 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023

Tgt Ion:146 Resp: 3792

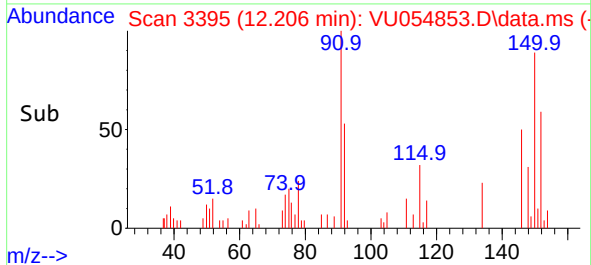
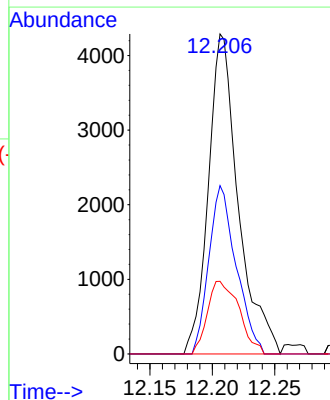
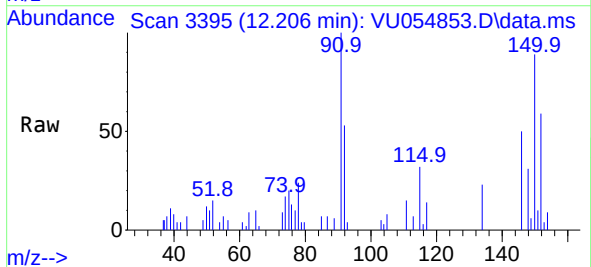
Ion	Ratio	Lower	Upper
146	100		
111	39.7	29.5	44.3
148	68.3	51.2	76.8

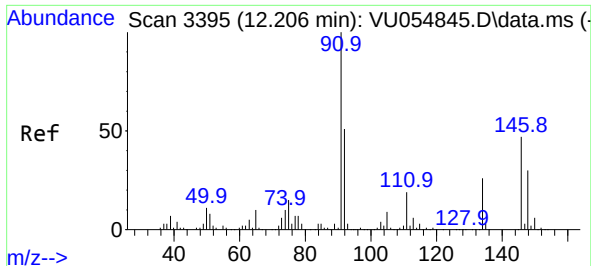


#84
n-Butylbenzene
Concen: 0.275 ug/l
RT: 12.206 min Scan# 3395
Delta R.T. 0.003 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

Tgt Ion: 91 Resp: 7154

Ion	Ratio	Lower	Upper
91	100		
92	48.2	39.8	59.8
134	24.1	20.2	30.4

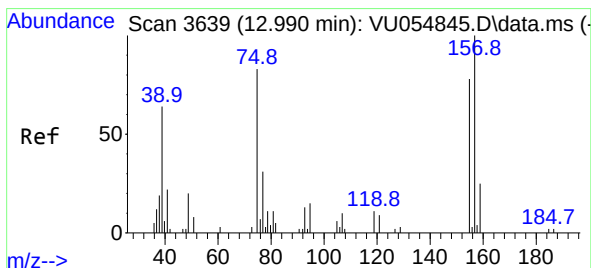
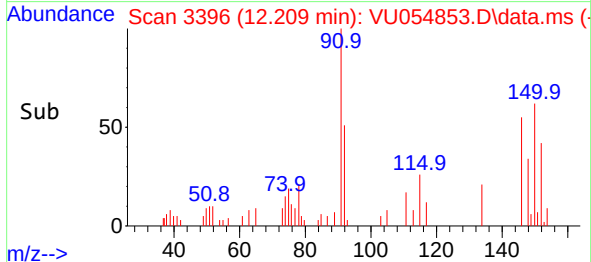
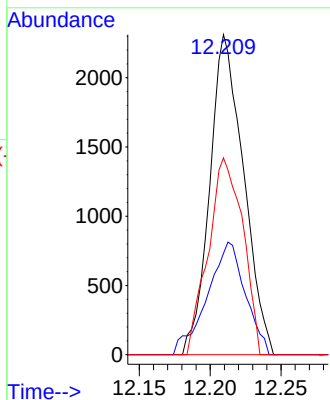
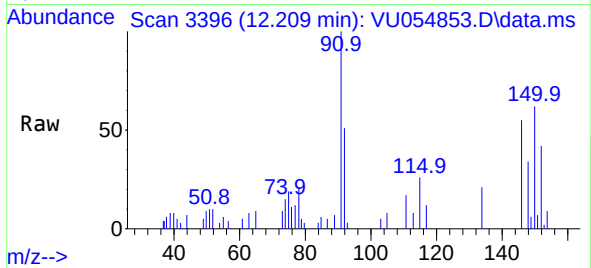




#85
1,2-Dichlorobenzene
Concen: 0.274 ug/l
RT: 12.209 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

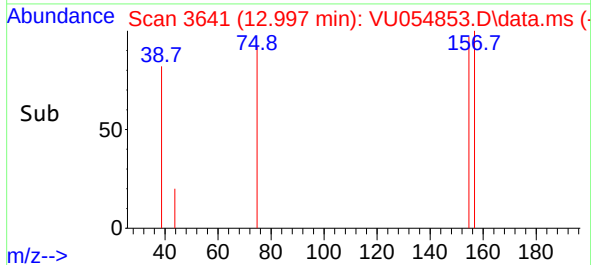
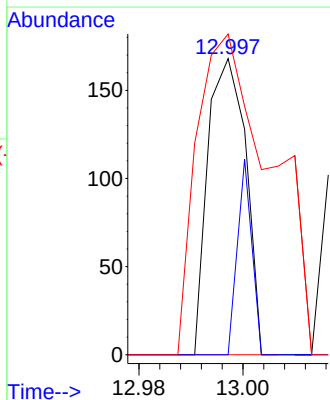
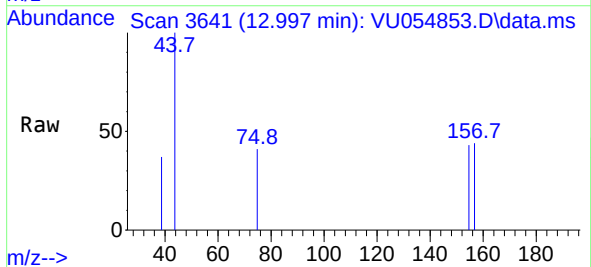
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023

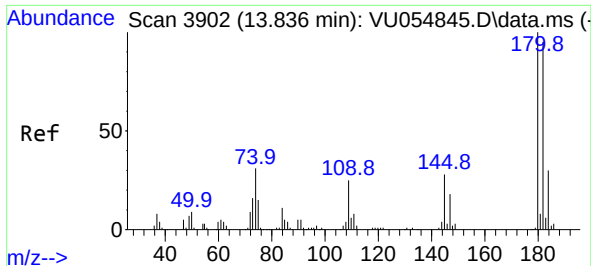
Tgt Ion:	146	Resp:	3841
Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.8	59.4
148	62.9	31.8	95.3



#86
1,2-Dibromo-3-Chloropropane
Concen: 0.228 ug/l
RT: 12.997 min Scan# 3641
Delta R.T. 0.007 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

Tgt Ion:	75	Resp:	85
Ion	Ratio	Lower	Upper
75	100		
155	24.7	74.8	112.2#
157	212.9	97.4	146.0#

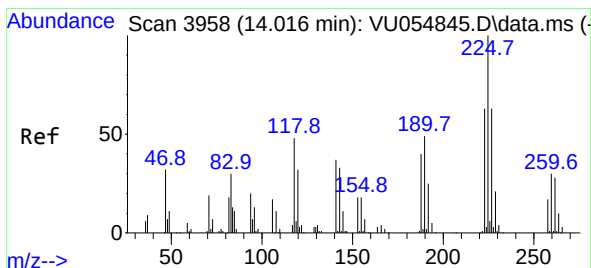
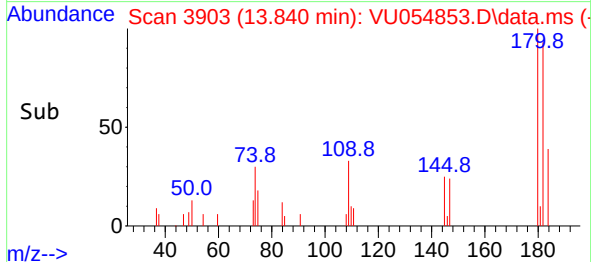
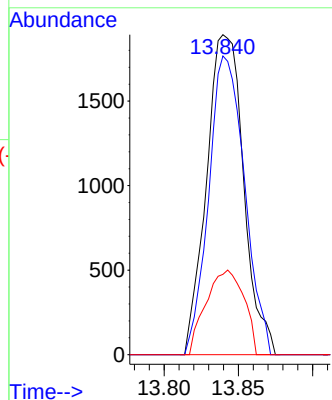
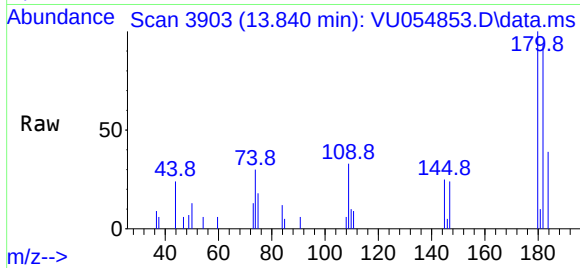




#87
1,2,4-Trichlorobenzene
Concen: 0.366 ug/l
RT: 13.840 min Scan# 3902
Delta R.T. 0.003 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

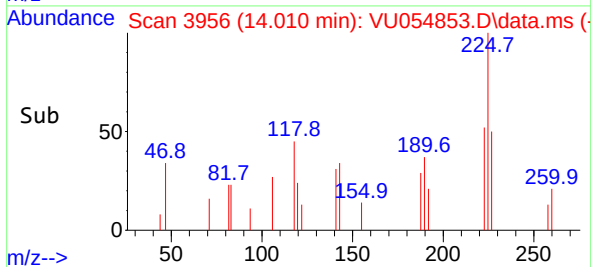
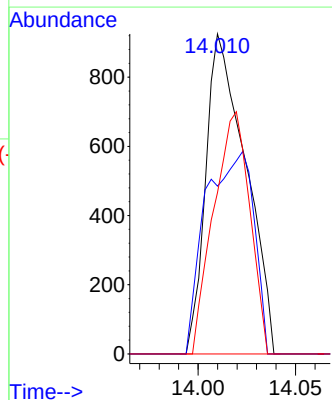
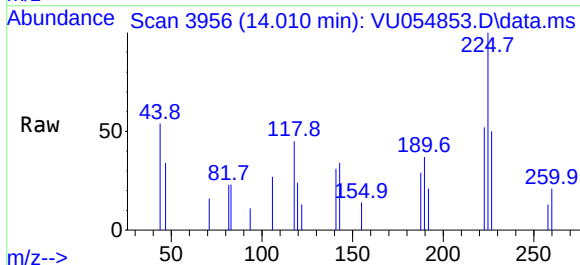
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023

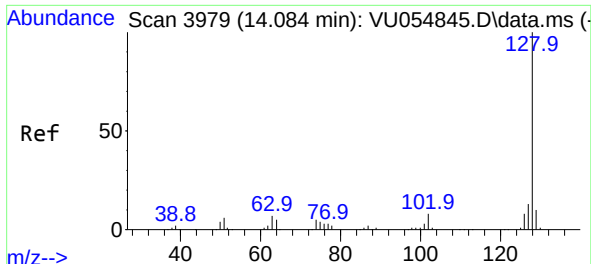
Tgt Ion:180 Resp: 3288
Ion Ratio Lower Upper
180 100
182 90.1 77.0 115.6
145 26.9 23.4 35.0



#88
Hexachlorobutadiene
Concen: 0.274 ug/l
RT: 14.010 min Scan# 3956
Delta R.T. -0.006 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

Tgt Ion:225 Resp: 1315
Ion Ratio Lower Upper
225 100
223 76.4 50.6 76.0#
227 68.5 50.7 76.1

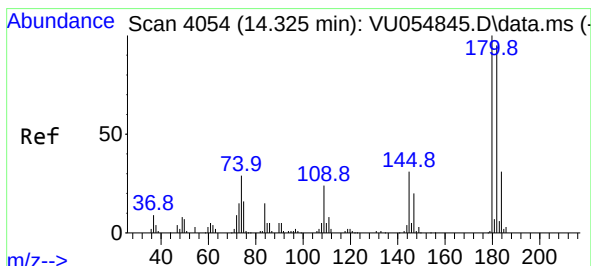
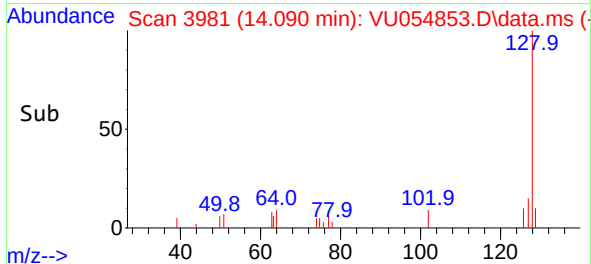
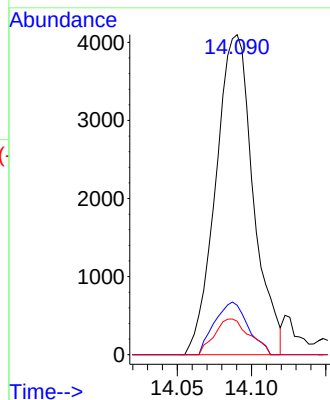
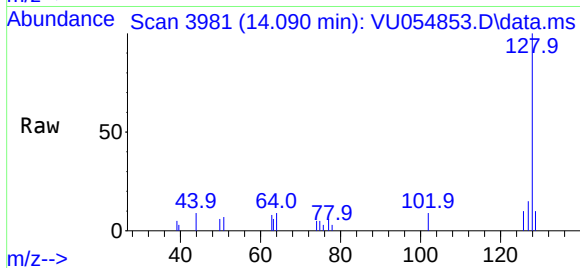




#89
Naphthalene
Concen: 0.494 ug/l
RT: 14.090 min Scan# 3981
Delta R.T. 0.006 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023

Tgt Ion:	128	Resp:	7189
Ion	Ratio	Lower	Upper
128	100		
127	14.7	10.6	15.8
129	10.5	8.7	13.1



#90
1,2,3-Trichlorobenzene
Concen: 0.382 ug/l
RT: 14.328 min Scan# 4055
Delta R.T. 0.003 min
Lab File: VU054853.D
Acq: 24 Jul 2023 12:14

Tgt Ion:	180	Resp:	2967
Ion	Ratio	Lower	Upper
180	100		
182	100.8	76.0	114.0
145	36.3	24.3	36.5

