

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U042023\
 Data File : U053803.D
 Acq On : 20 Apr 2023 13:59
 Operator : JC/MD
 Sample : 02215-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT2-2023-04

Quant Time: Apr 21 04:20:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Apr 19 04:58:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.246	114	140181	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	130413	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	64254	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	46639	4.836	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.800%
7) Chloroethane-d5	1.912	69	38842	4.438	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.800%
11) 1,1-Dichloroethene-d2	2.565	65	17188	4.184	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.600%
20) 2-Butanone-d5	4.626	46	74595	33.765	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	67.540%
24) Chloroform-d	5.060	84	78328	4.381	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.600%
26) 1,2-Dichloroethane-d4	5.697	65	37693	4.114	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.200%
32) Benzene-d6	5.722	84	162541	4.398	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.000%
36) 1,2-Dichloropropane-d6	6.687	67	49517	4.397	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.000%
41) Toluene-d8	7.893	98	143365	4.112	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.200%
43) trans-1,3-Dichloroprop...	8.176	79	17170	3.973	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.400%
46) 2-Hexanone-d5	8.629	63	62384	35.538	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	71.080%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	34693	3.701	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	74.000%
66) 1,2-Dichlorobenzene-d4	12.188	152	51620	4.465	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	2853	0.284	ug/L	99
3) Chloromethane	1.520	50	2999	0.296	ug/L	94
5) Vinyl chloride	1.604	62	3564	0.312	ug/L #	80
6) Bromomethane	1.858	94	2362	0.327	ug/L	100
8) Chloroethane	1.932	64	2283	0.344	ug/L #	78
9) Trichlorofluoromethane	2.137	101	4592	0.266	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	3225	0.369	ug/L #	89
12) 1,1-Dichloroethene	2.581	96	2786	0.351	ug/L #	1
14) Carbon disulfide	2.793	76	6399	0.275	ug/L	99
15) Methyl Acetate	2.954	43	725	0.236	ug/L #	66
16) Methylene chloride	3.050	84	3797	0.364	ug/L	86
17) Methyl tert-butyl Ether	3.359	73	4750	0.247	ug/L #	69
18) trans-1,2-Dichloroethene	3.356	96	2343	0.284	ug/L	93
19) 1,1-Dichloroethane	3.870	63	4253	0.280	ug/L	96
22) cis-1,2-Dichloroethene	4.665	96	3009	0.271	ug/L	79
23) Bromochloromethane	4.970	128	1071	0.272	ug/L #	67
27) 1,2-Dichloroethane	5.793	62	2760	0.282	ug/L #	91
29) 1,1,1-Trichloroethane	5.314	97	4270	0.332	ug/L #	79
30) Cyclohexane	5.382	56	3427	0.250	ug/L	98

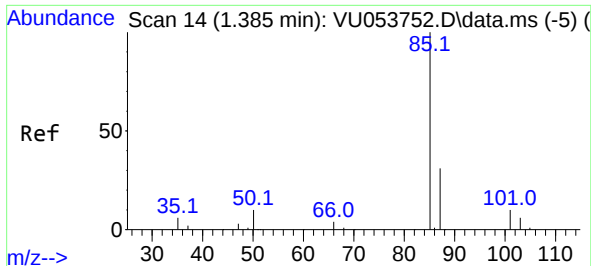
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
31) Carbon tetrachloride	5.523	117	3410	0.313	ug/L	94
33) Benzene	5.771	78	10195	0.292	ug/L	100
34) Trichloroethene	6.545	95	3150	0.339	ug/L	86
35) Methylcyclohexane	6.758	83	4512	0.283	ug/L #	93
37) 1,2-Dichloropropane	6.787	63	2753	0.298	ug/L #	89
38) Bromodichloromethane	7.105	83	2839	0.277	ug/L #	88
39) cis-1,3-Dichloropropene	7.603	75	3418	0.251	ug/L	97
40) 4-Methyl-2-pentanone	7.790	43	10623	2.353	ug/L #	86
42) Toluene	7.967	91	10685	0.280	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	3746	0.338	ug/L	92
45) 1,1,2-Trichloroethane	8.398	97	1791	0.273	ug/L	87
47) Tetrachloroethene	8.545	164	2352	0.344	ug/L	88
48) 2-Hexanone	8.680	43	9496	2.844	ug/L	99
49) Dibromochloromethane	8.806	129	1704	0.263	ug/L #	70
50) 1,2-Dibromoethane	8.918	107	1659	0.262	ug/L #	97
51) Chlorobenzene	9.446	112	6688	0.278	ug/L	91
52) Ethylbenzene	9.568	91	10706	0.257	ug/L	94
53) m,p-Xylene	9.693	106	4138	0.261	ug/L	91
54) o-Xylene	10.098	106	4216	0.280	ug/L	80
55) Styrene	10.111	104	5337	0.216	ug/L	93
57) 1,1,2,2-Tetrachloroethane	10.780	83	2144	0.259	ug/L #	95
59) Bromoform	10.288	173	897	0.271	ug/L #	82
60) Isopropylbenzene	10.481	105	9783	0.251	ug/L	97
61) 1,2,3-Trichloropropane	10.822	75	1426	0.268	ug/L #	91
62) 1,3,5-Trimethylbenzene	11.086	105	7480	0.236	ug/L	96
63) 1,2,4-Trimethylbenzene	11.465	105	7204	0.222	ug/L	97
64) 1,3-Dichlorobenzene	11.745	146	5198	0.303	ug/L	88
65) 1,4-Dichlorobenzene	11.828	146	5418	0.314	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	4739	0.291	ug/L #	82
68) 1,2-Dibromo-3-chloropr...	12.992	75	239	0.232	ug/L #	39
69) 1,3,5-Trichlorobenzene	13.217	180	3665	0.306	ug/L	94
70) 1,2,4-trichlorobenzene	13.841	180	2821	0.296	ug/L	97

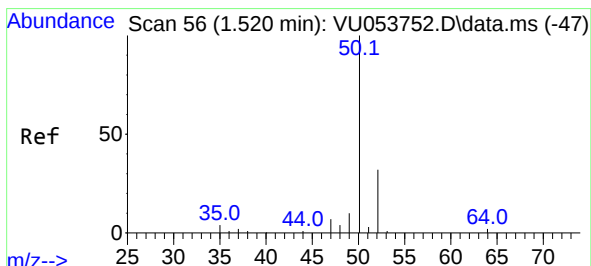
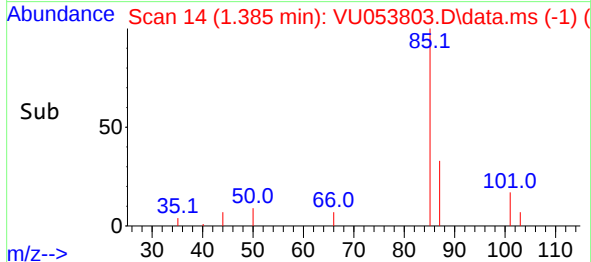
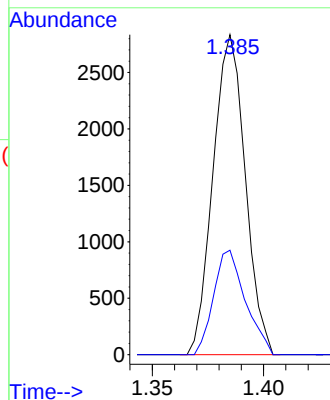
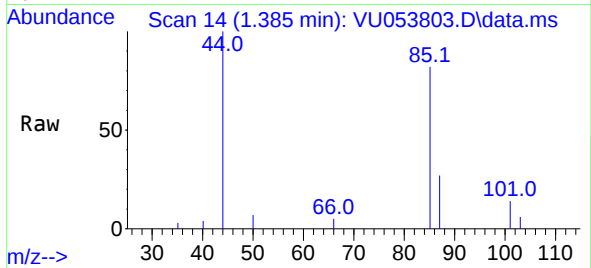
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 0.284 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU053803.D
Acq: 20 Apr 2023 13:59

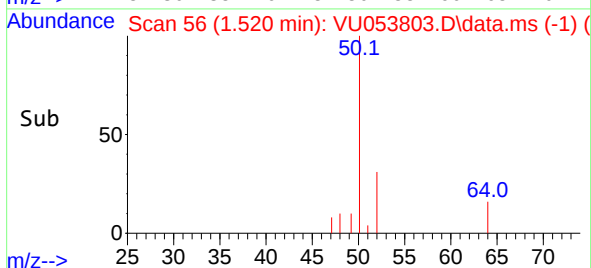
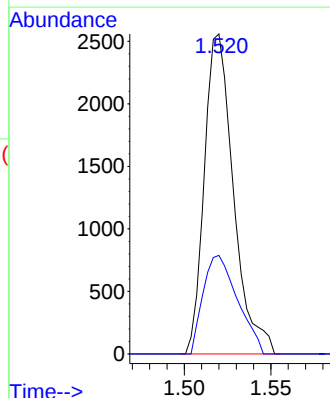
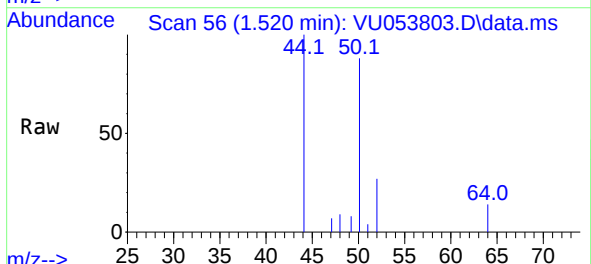
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2023-04

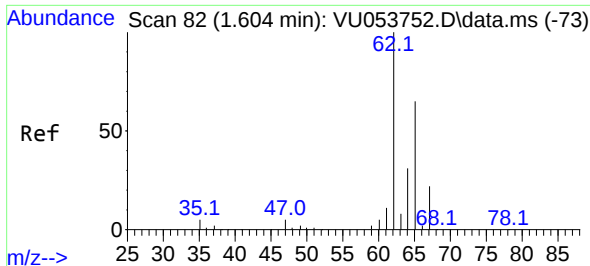
Tgt Ion: 85 Resp: 2853
Ion Ratio Lower Upper
85 100
87 32.2 26.1 39.1



#3
Chloromethane
Concen: 0.296 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU053803.D
Acq: 20 Apr 2023 13:59

Tgt Ion: 50 Resp: 2999
Ion Ratio Lower Upper
50 100
52 30.8 23.9 44.3

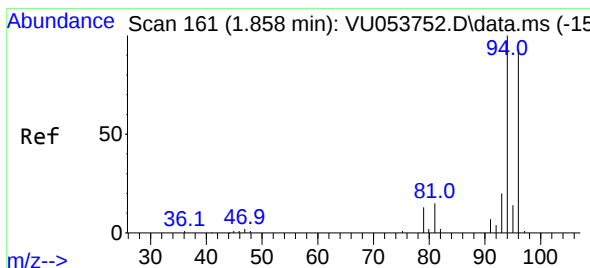
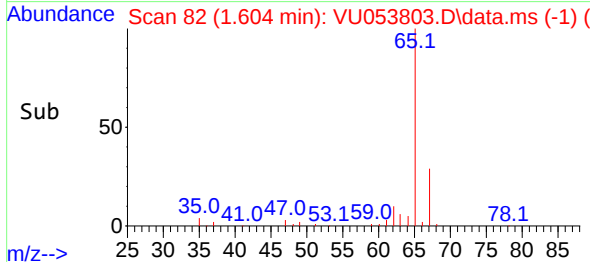
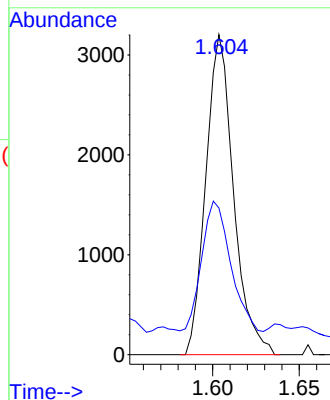
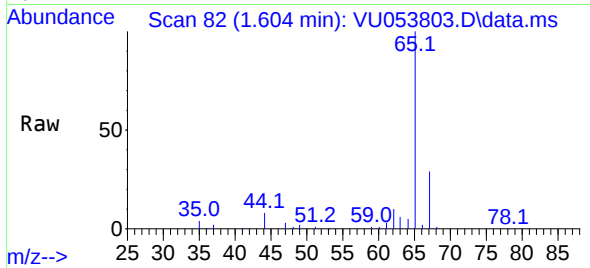




#5
 Vinyl chloride
 Concen: 0.312 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU053803.D
 Acq: 20 Apr 2023 13:59

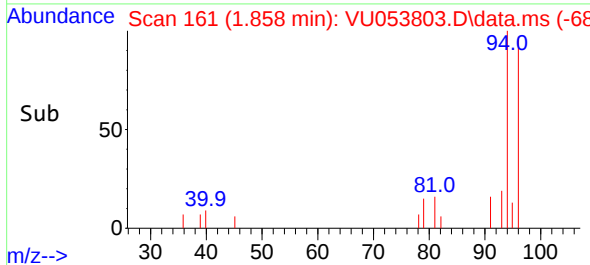
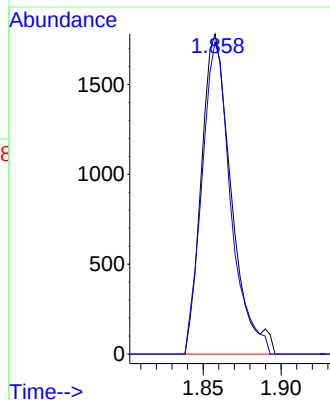
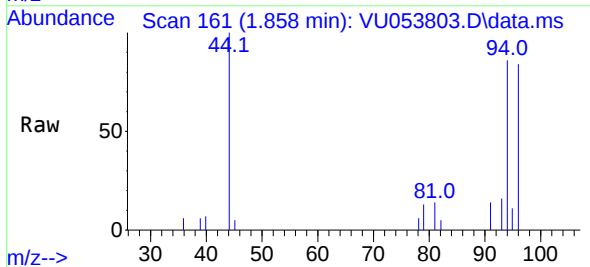
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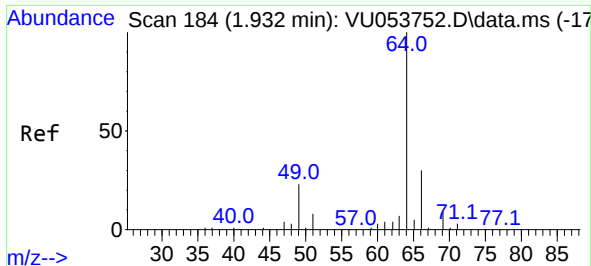
Tgt Ion: 62 Resp: 3564
 Ion Ratio Lower Upper
 62 100
 64 45.9 24.1 44.7#



#6
 Bromomethane
 Concen: 0.327 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. -0.000 min
 Lab File: VU053803.D
 Acq: 20 Apr 2023 13:59

Tgt Ion: 94 Resp: 2362
 Ion Ratio Lower Upper
 94 100
 96 97.5 68.3 126.8

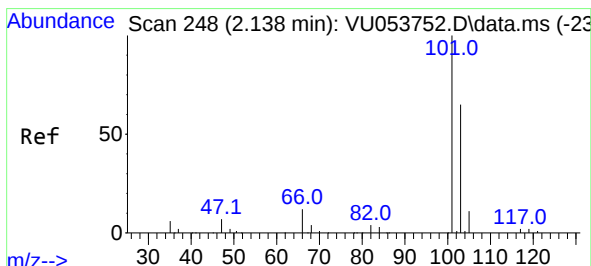
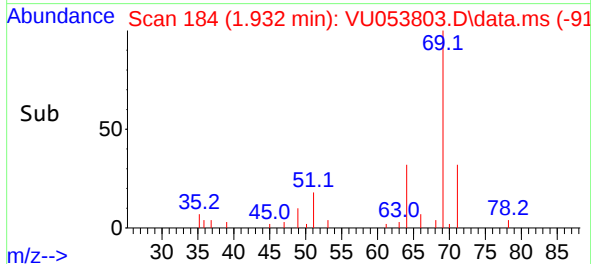
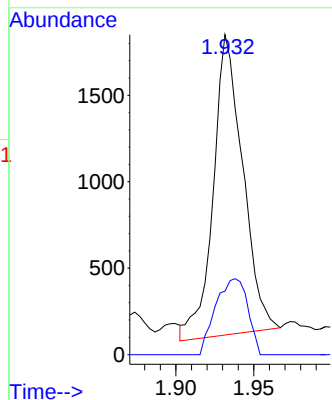
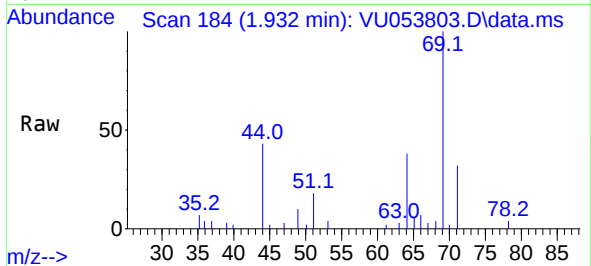




#8
Chloroethane
Concen: 0.344 ug/L
RT: 1.932 min Scan# 184
Delta R.T. -0.000 min
Lab File: VU053803.D
Acq: 20 Apr 2023 13:59

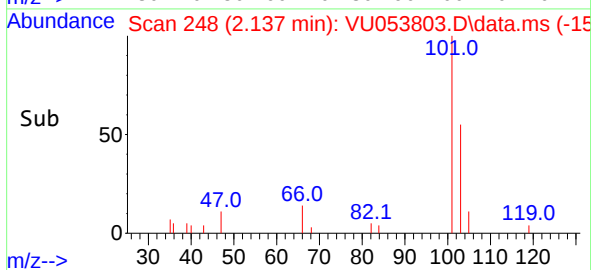
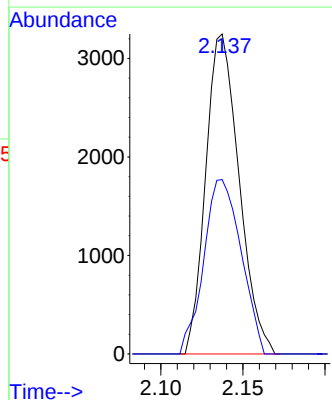
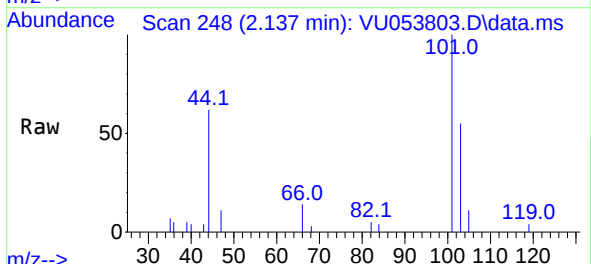
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2023-04

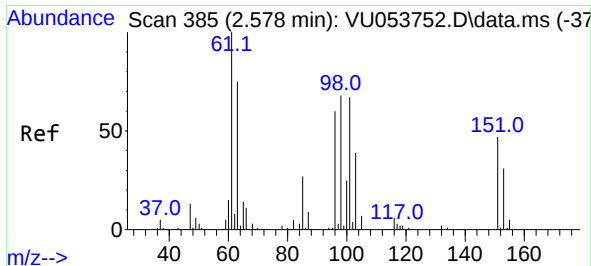
Tgt Ion: 64 Resp: 2283
Ion Ratio Lower Upper
64 100
66 19.8 22.3 41.5#



#9
Trichlorofluoromethane
Concen: 0.266 ug/L
RT: 2.137 min Scan# 248
Delta R.T. -0.000 min
Lab File: VU053803.D
Acq: 20 Apr 2023 13:59

Tgt Ion:101 Resp: 4592
Ion Ratio Lower Upper
101 100
103 60.8 50.2 75.2

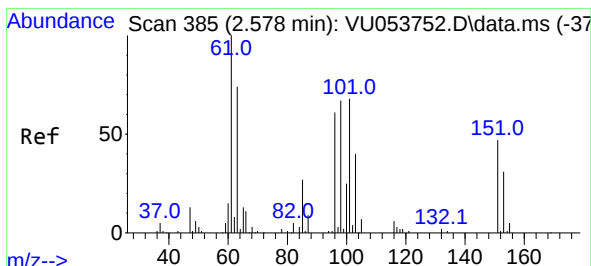
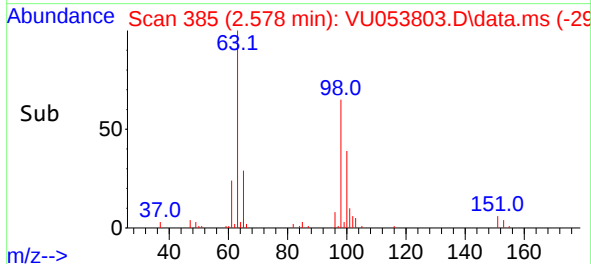
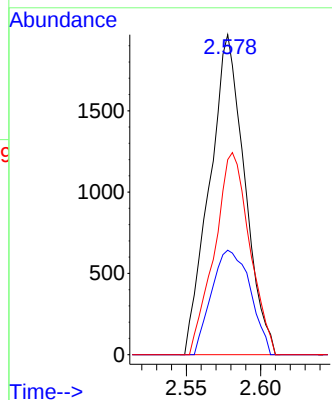
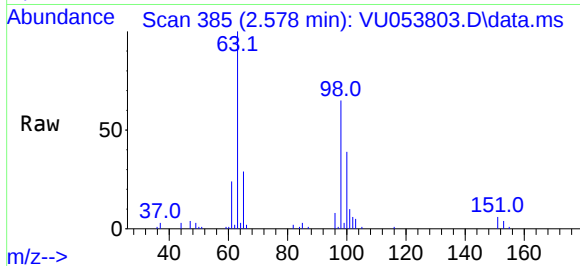




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.369 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU053803.D
Acq: 20 Apr 2023 13:59

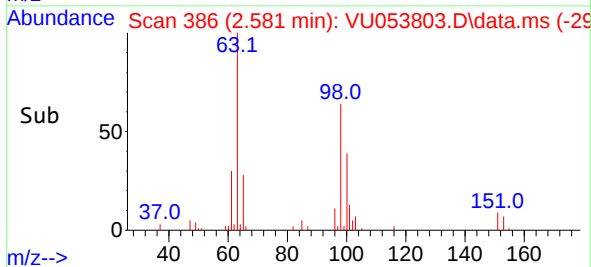
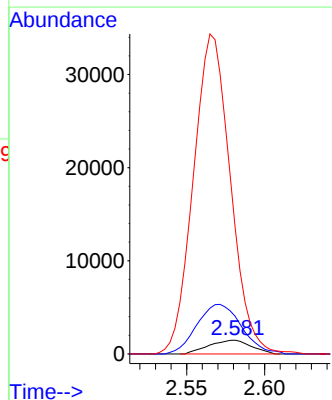
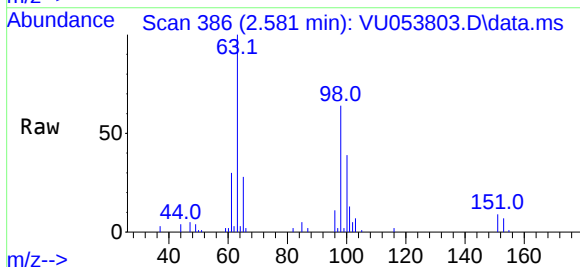
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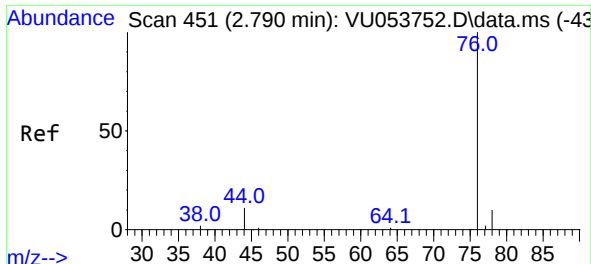
Tgt Ion:101 Resp: 3225
Ion Ratio Lower Upper
101 100
85 36.1 37.0 55.4#
151 63.7 56.8 85.2



#12
1,1-Dichloroethene
Concen: 0.351 ug/L
RT: 2.581 min Scan# 386
Delta R.T. 0.003 min
Lab File: VU053803.D
Acq: 20 Apr 2023 13:59

Tgt Ion: 96 Resp: 2786
Ion Ratio Lower Upper
96 100
61 274.6 116.8 216.8#
63 924.3 88.6 164.6#

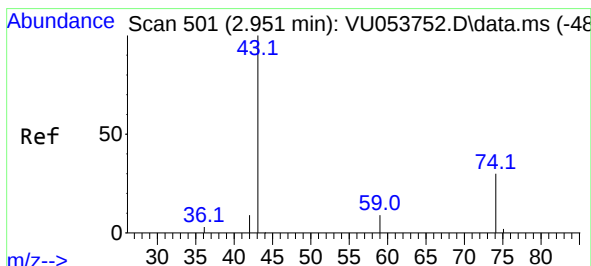
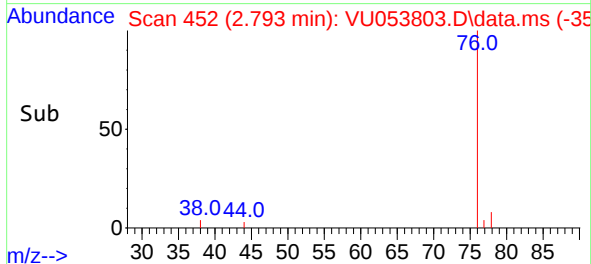
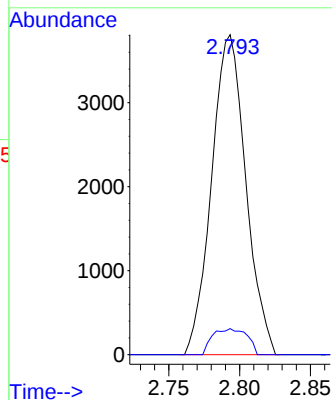
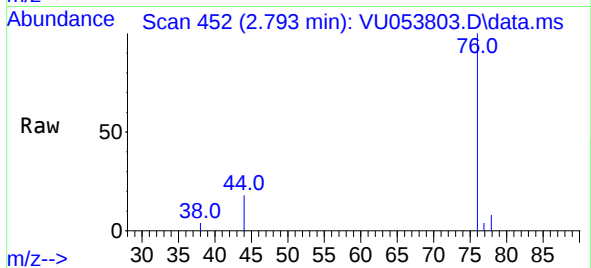




#14
Carbon disulfide
Concen: 0.275 ug/L
RT: 2.793 min Scan# 451
Delta R.T. 0.003 min
Lab File: VU053803.D
Acq: 20 Apr 2023 13:59

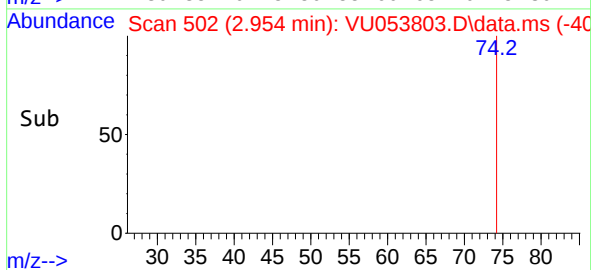
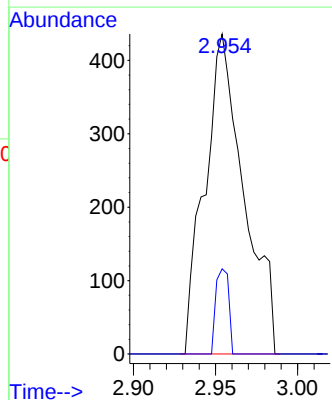
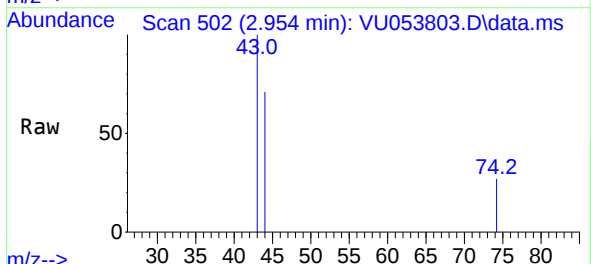
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2023-04

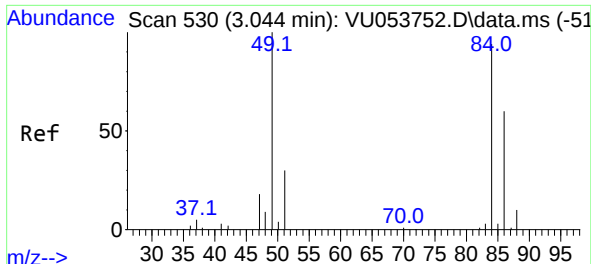
Tgt Ion: 76 Resp: 6399
Ion Ratio Lower Upper
76 100
78 8.2 7.0 10.4



#15
Methyl Acetate
Concen: 0.236 ug/L
RT: 2.954 min Scan# 502
Delta R.T. 0.003 min
Lab File: VU053803.D
Acq: 20 Apr 2023 13:59

Tgt Ion: 43 Resp: 725
Ion Ratio Lower Upper
43 100
74 8.7 20.8 31.2#

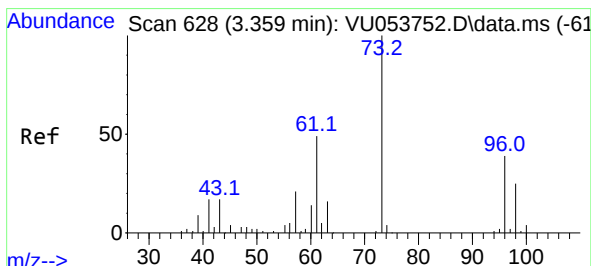
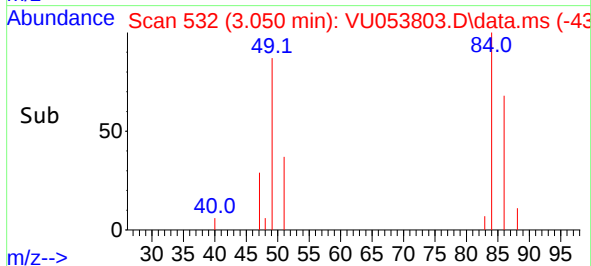
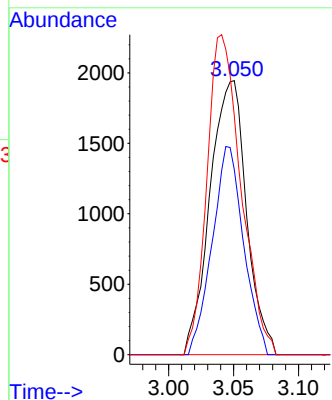
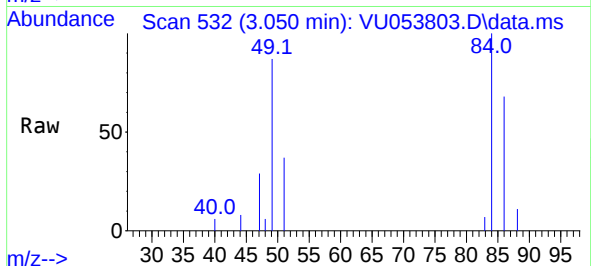




#16
Methylene chloride
Concen: 0.364 ug/L
RT: 3.050 min Scan# 51
Delta R.T. 0.006 min
Lab File: VU053803.D
Acq: 20 Apr 2023 13:59

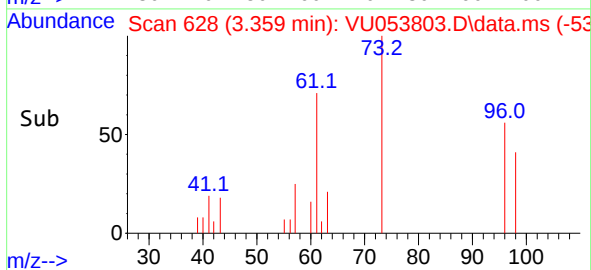
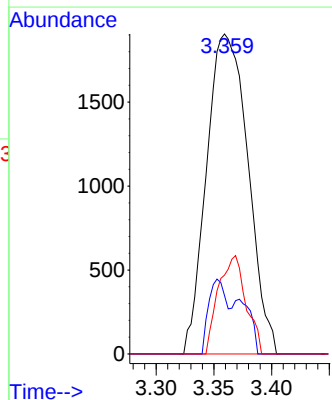
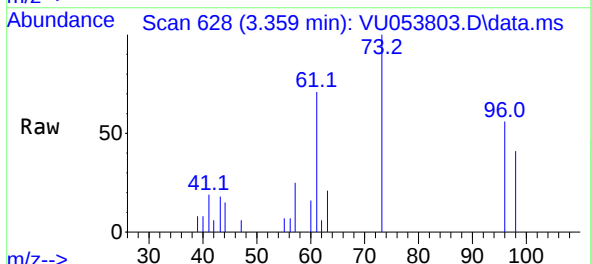
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2023-04

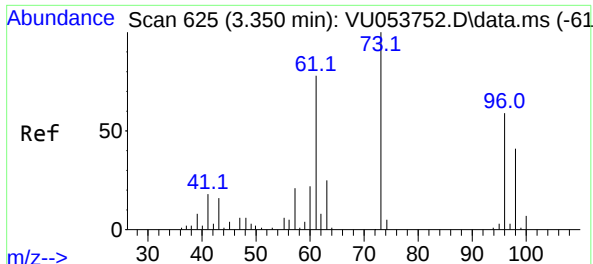
Tgt Ion: 84 Resp: 3797
Ion Ratio Lower Upper
84 100
86 67.6 44.7 83.1
49 87.2 75.5 140.1



#17
Methyl tert-butyl Ether
Concen: 0.247 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.000 min
Lab File: VU053803.D
Acq: 20 Apr 2023 13:59

Tgt Ion: 73 Resp: 4750
Ion Ratio Lower Upper
73 100
43 11.0 13.9 20.9#
57 0.0 17.0 25.6#

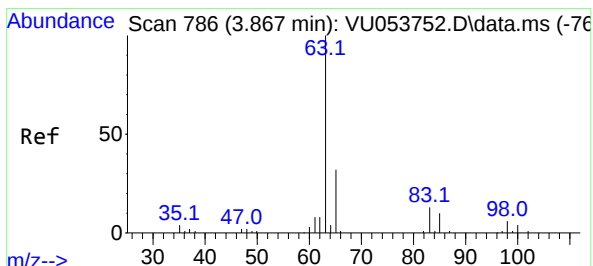
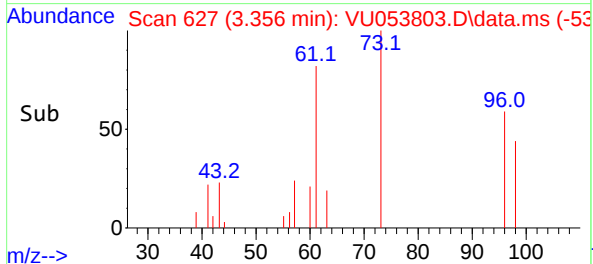
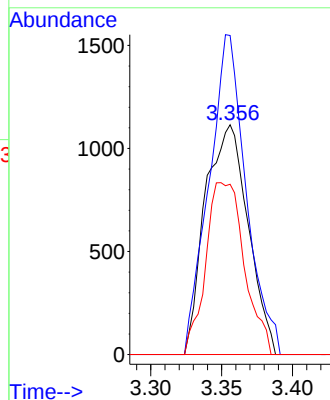
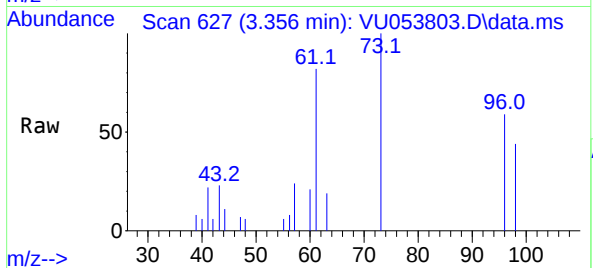




#18
trans-1,2-Dichloroethene
Concen: 0.284 ug/L
RT: 3.356 min Scan# 61
Delta R.T. 0.006 min
Lab File: VU053803.D
Acq: 20 Apr 2023 13:59

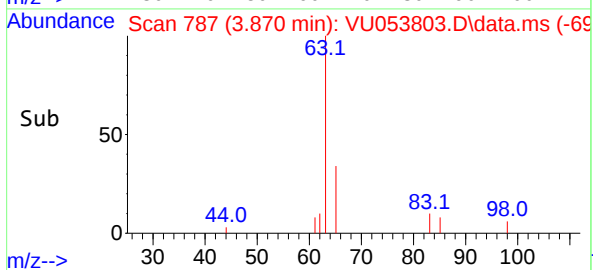
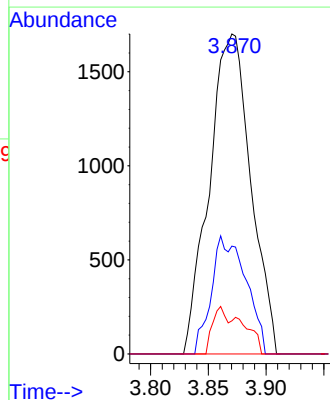
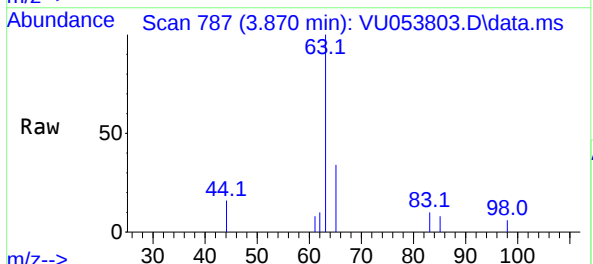
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2023-04

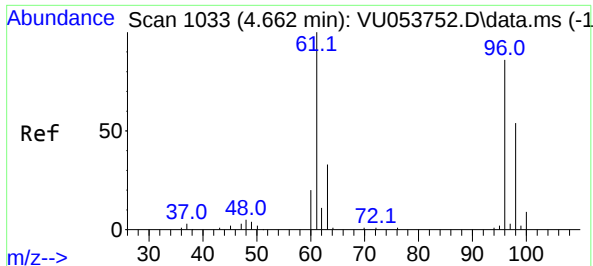
Tgt Ion: 96 Resp: 2343
Ion Ratio Lower Upper
96 100
61 138.8 95.5 177.3
98 74.1 42.2 78.4



#19
1,1-Dichloroethane
Concen: 0.280 ug/L
RT: 3.870 min Scan# 787
Delta R.T. 0.003 min
Lab File: VU053803.D
Acq: 20 Apr 2023 13:59

Tgt Ion: 63 Resp: 4253
Ion Ratio Lower Upper
63 100
65 33.7 21.7 40.3
83 10.3 8.1 15.1





#22

cis-1,2-Dichloroethene

Concen: 0.271 ug/L

RT: 4.665 min Scan# 1033

Delta R.T. 0.003 min

Lab File: VU053803.D

Acq: 20 Apr 2023 13:59

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2023-04

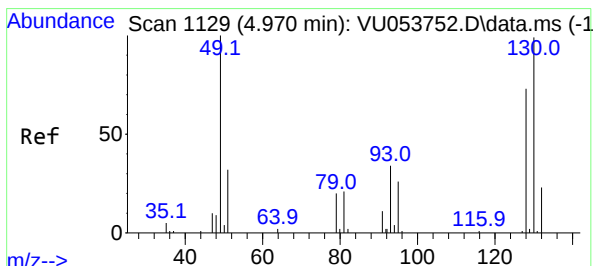
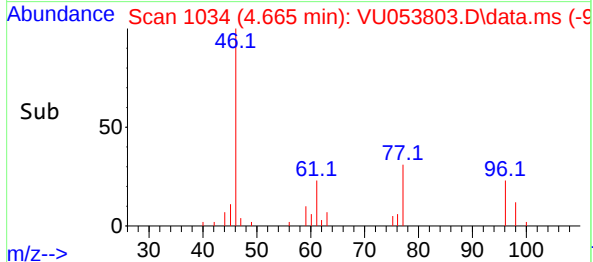
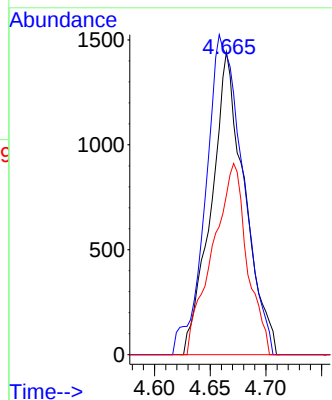
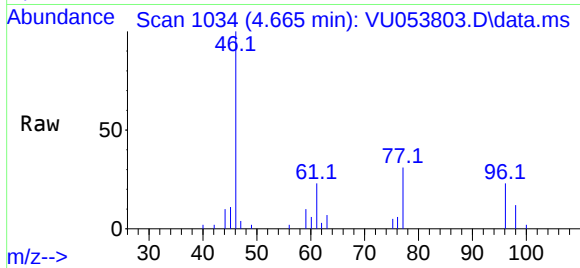
Tgt Ion: 96 Resp: 3009

Ion Ratio Lower Upper

96 100

61 99.1 86.6 160.8

98 52.7 47.7 88.5



#23

Bromochloromethane

Concen: 0.272 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VU053803.D

Acq: 20 Apr 2023 13:59

Tgt Ion: 128 Resp: 1071

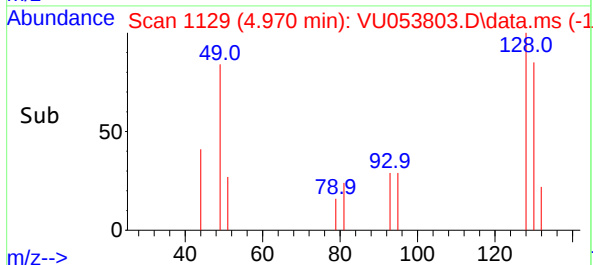
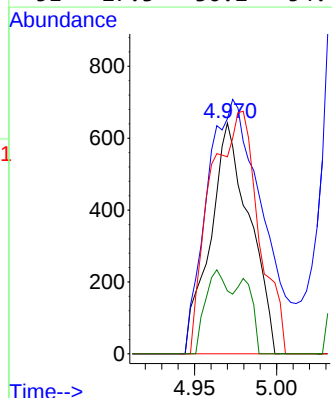
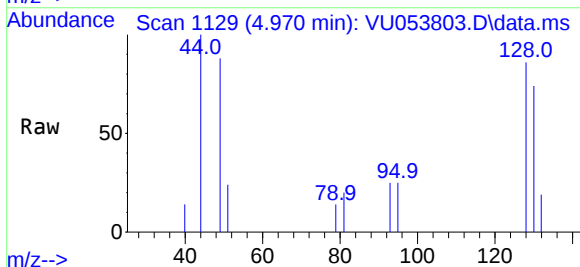
Ion Ratio Lower Upper

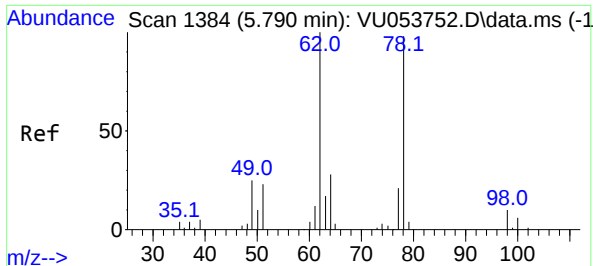
128 100

49 101.9 102.8 190.8#

130 85.4 85.1 158.1

51 27.3 36.2 54.4#

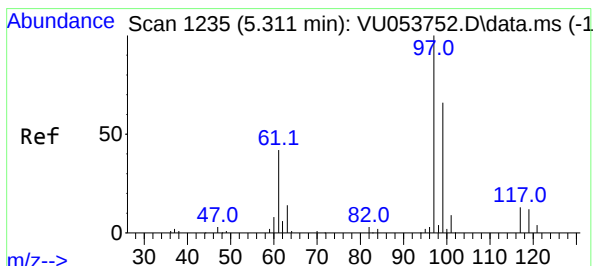
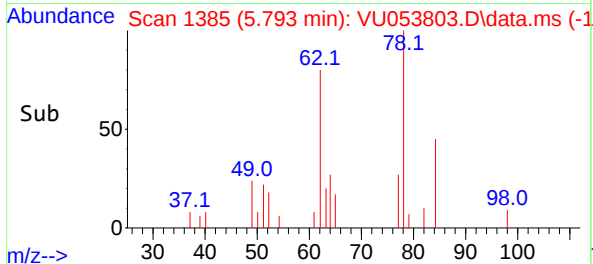
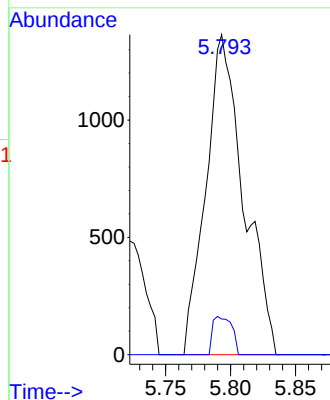
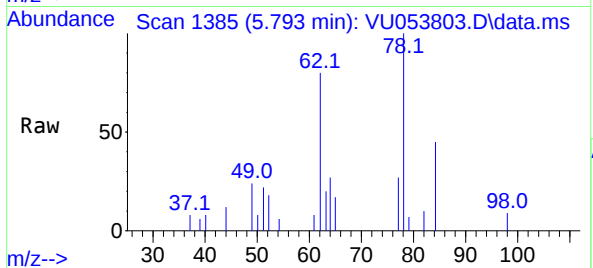




#27
 1,2-Dichloroethane
 Concen: 0.282 ug/L
 RT: 5.793 min Scan# 11
 Delta R.T. 0.003 min
 Lab File: VU053803.D
 Acq: 20 Apr 2023 13:59

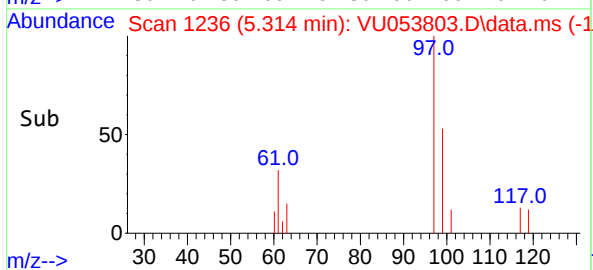
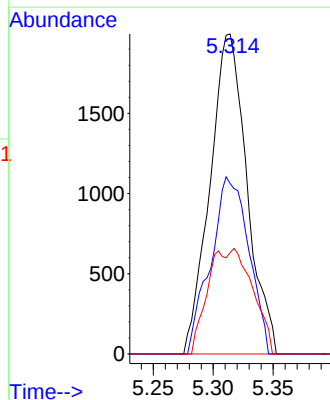
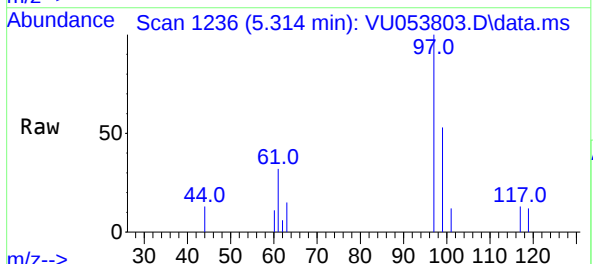
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT2-2023-04

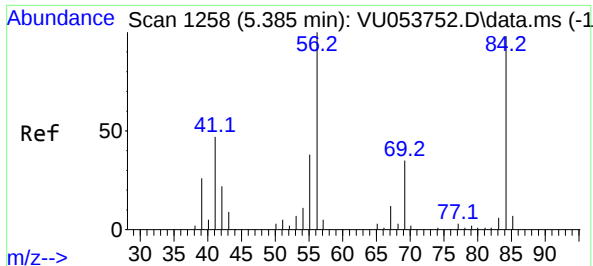
Tgt Ion: 62 Resp: 2760
 Ion Ratio Lower Upper
 62 100
 98 11.1 6.4 9.6#



#29
 1,1,1-Trichloroethane
 Concen: 0.332 ug/L
 RT: 5.314 min Scan# 1236
 Delta R.T. 0.003 min
 Lab File: VU053803.D
 Acq: 20 Apr 2023 13:59

Tgt Ion: 97 Resp: 4270
 Ion Ratio Lower Upper
 97 100
 99 57.1 49.9 74.9
 61 18.0 35.7 53.5#

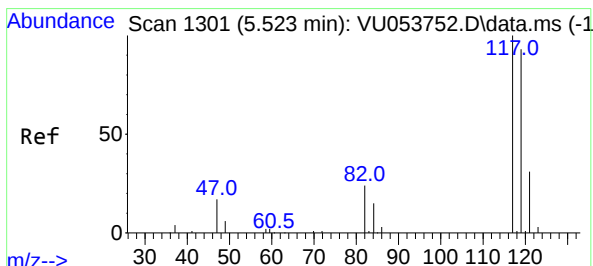
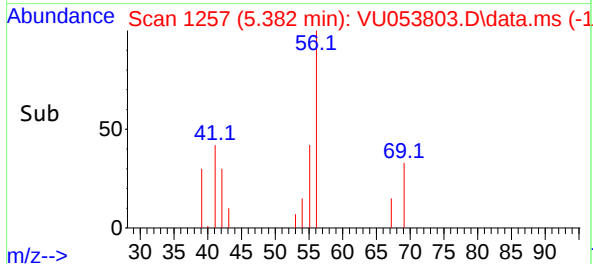
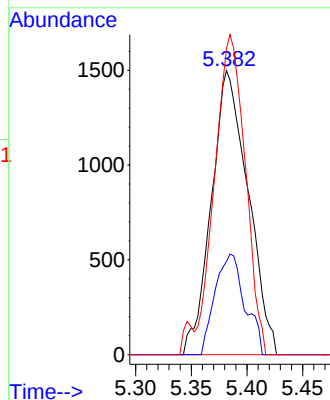
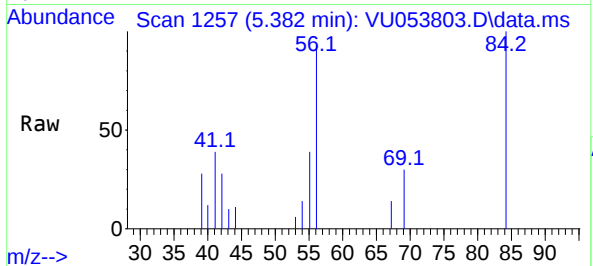




#30
Cyclohexane
Concen: 0.250 ug/L
RT: 5.382 min Scan# 1257
Delta R.T. -0.003 min
Lab File: VU053803.D
Acq: 20 Apr 2023 13:59

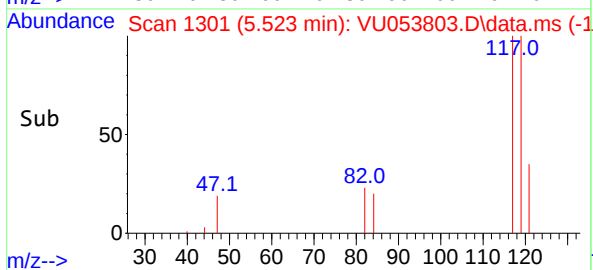
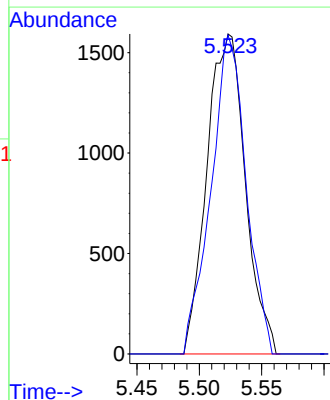
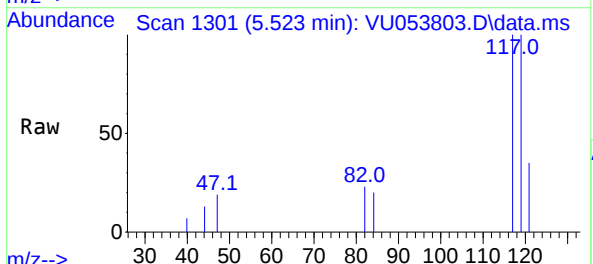
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2023-04

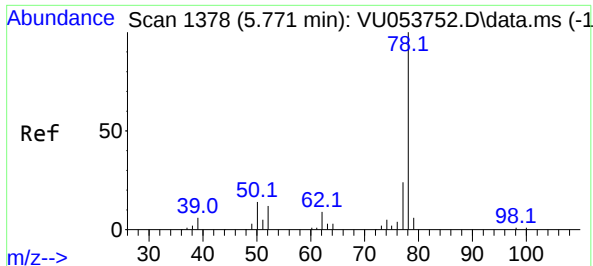
Tgt Ion: 56 Resp: 3427
Ion Ratio Lower Upper
56 100
69 28.8 26.1 39.1
84 93.8 75.6 113.4



#31
Carbon tetrachloride
Concen: 0.313 ug/L
RT: 5.523 min Scan# 1301
Delta R.T. -0.000 min
Lab File: VU053803.D
Acq: 20 Apr 2023 13:59

Tgt Ion: 117 Resp: 3410
Ion Ratio Lower Upper
117 100
119 91.3 77.7 116.5





Benzene

Concen: 0.292 ug/L

RT: 5.771 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053803.D

Acq: 20 Apr 2023 13:59

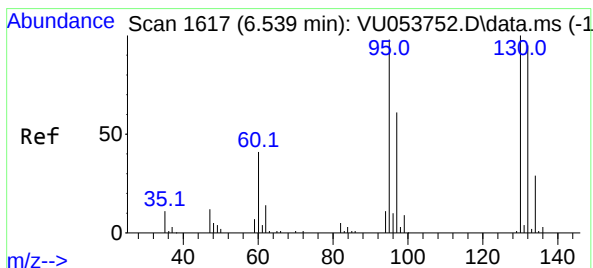
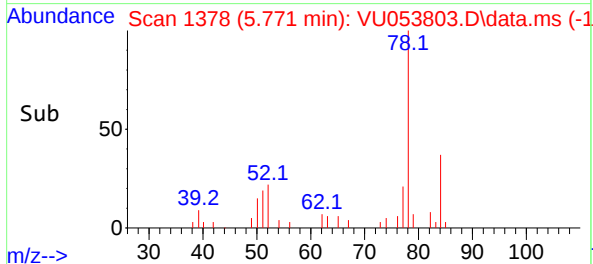
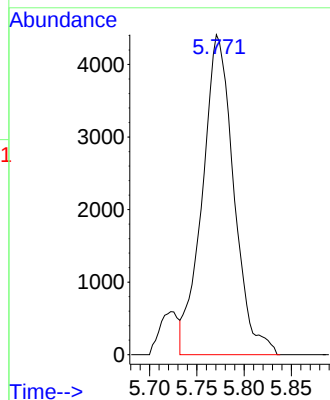
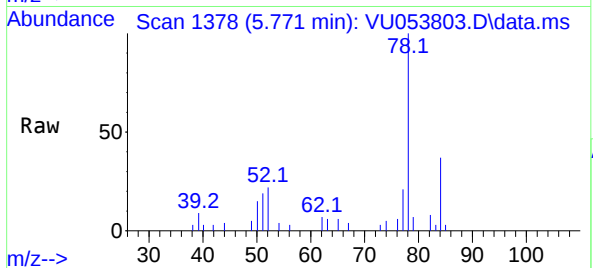
Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2023-04

Tgt Ion: 78 Resp: 10195



Trichloroethene

Concen: 0.339 ug/L

RT: 6.545 min Scan# 1619

Delta R.T. 0.006 min

Lab File: VU053803.D

Acq: 20 Apr 2023 13:59

Tgt Ion: 95 Resp: 3150

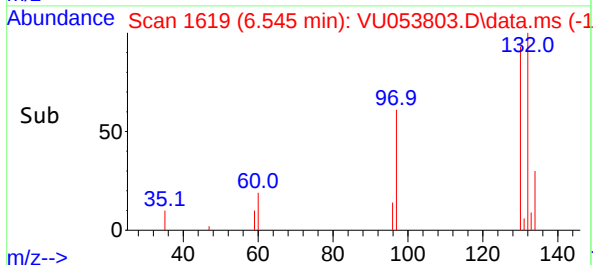
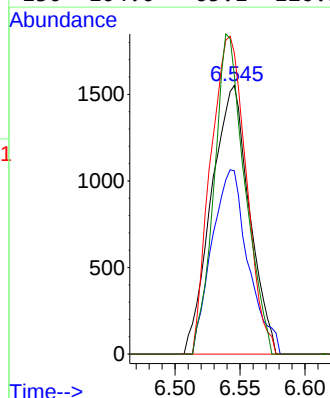
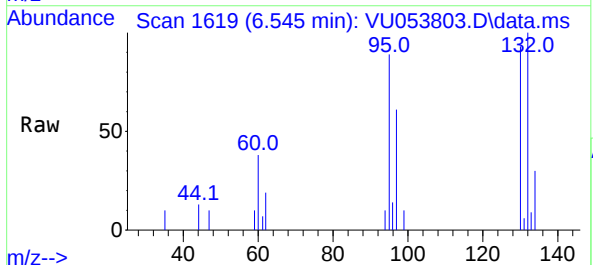
Ion Ratio Lower Upper

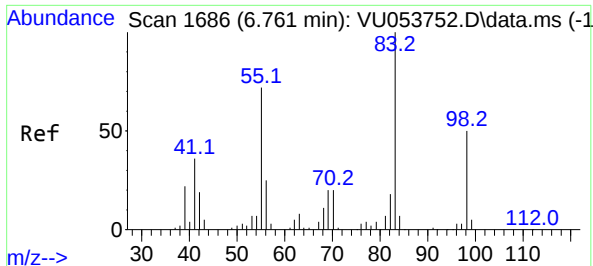
95 100

97 68.3 45.3 84.1

132 112.3 62.8 116.6

130 104.0 65.1 120.9

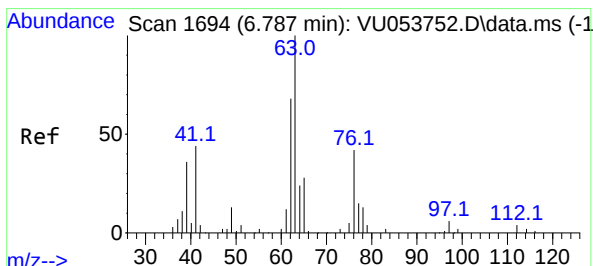
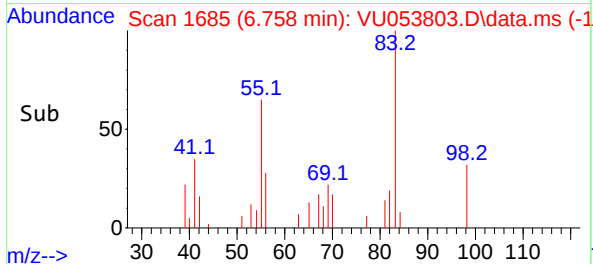
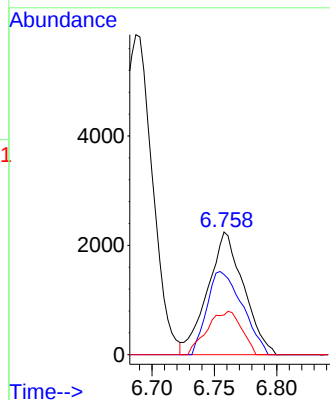
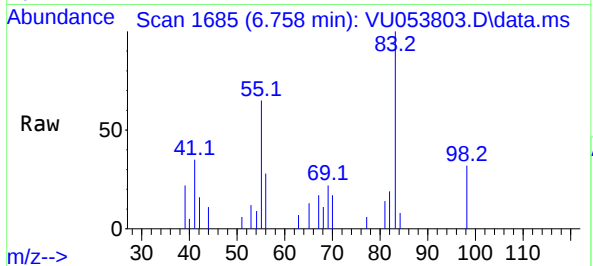




#35
Methylcyclohexane
Concen: 0.283 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU053803.D
Acq: 20 Apr 2023 13:59

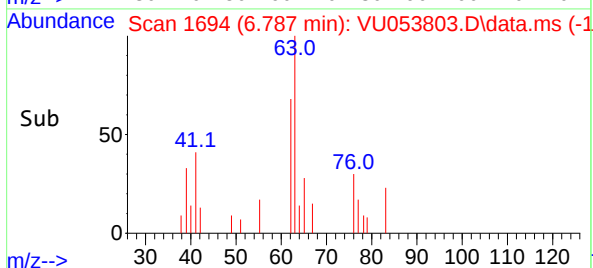
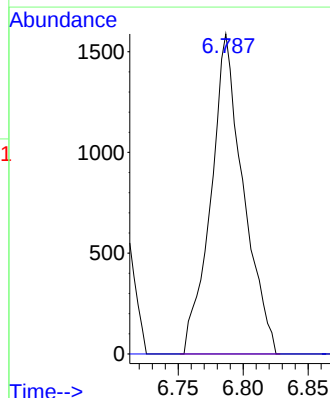
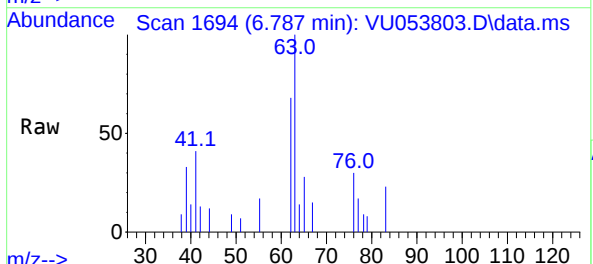
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2023-04

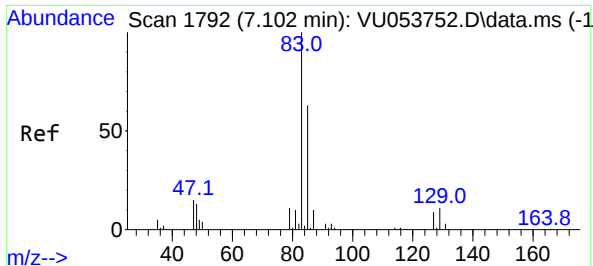
Tgt Ion:	83	Resp:	4512
Ion	Ratio	Lower	Upper
83	100		
55	66.6	54.9	82.3
98	33.7	34.9	52.3#



#37
1,2-Dichloropropane
Concen: 0.298 ug/L
RT: 6.787 min Scan# 1694
Delta R.T. -0.000 min
Lab File: VU053803.D
Acq: 20 Apr 2023 13:59

Tgt Ion:	63	Resp:	2753
Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.0	4.4#

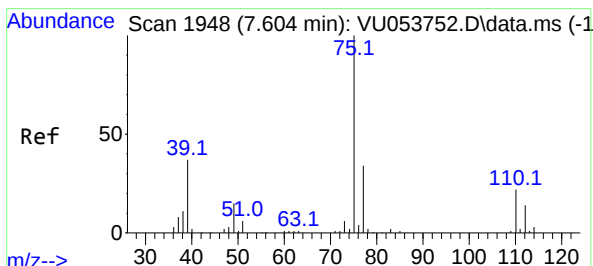
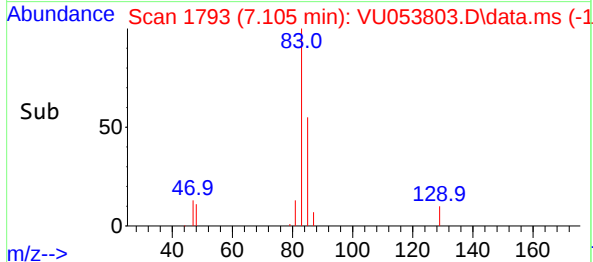
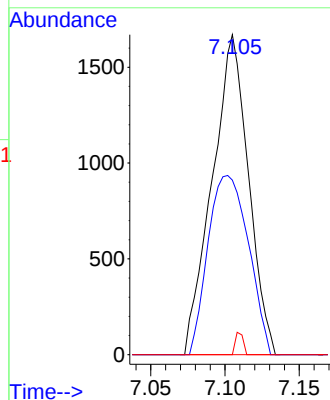
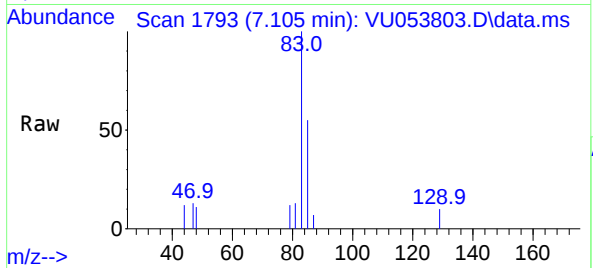




#38
Bromodichloromethane
Concen: 0.277 ug/L
RT: 7.105 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU053803.D
Acq: 20 Apr 2023 13:59

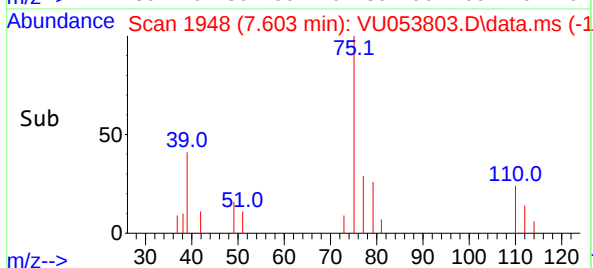
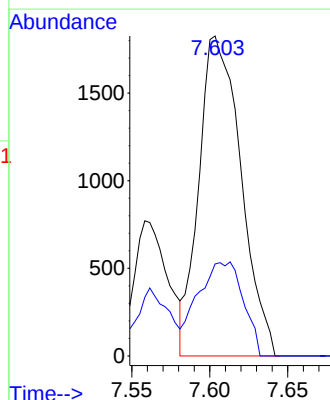
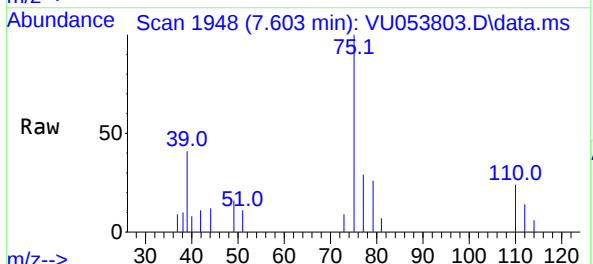
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2023-04

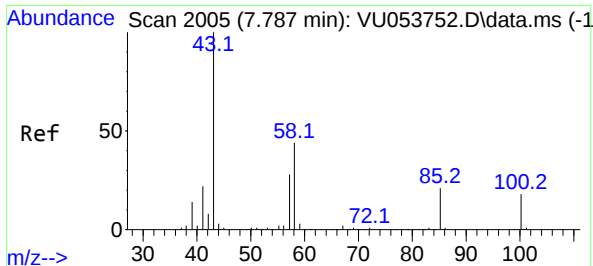
Tgt Ion: 83 Resp: 2839
Ion Ratio Lower Upper
83 100
85 54.6 44.0 81.8
127 0.0 5.8 8.6#



#39
cis-1,3-Dichloropropene
Concen: 0.251 ug/L
RT: 7.603 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VU053803.D
Acq: 20 Apr 2023 13:59

Tgt Ion: 75 Resp: 3418
Ion Ratio Lower Upper
75 100
77 28.8 21.1 39.3

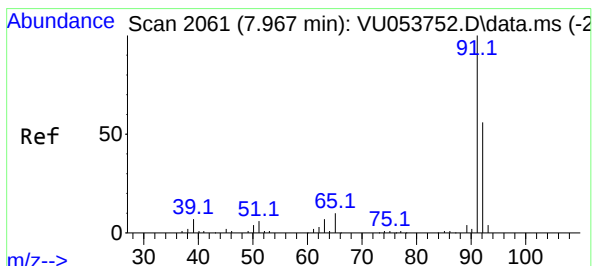
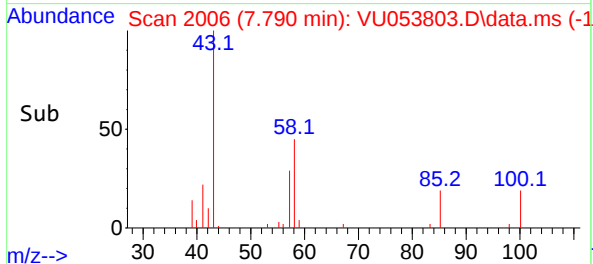
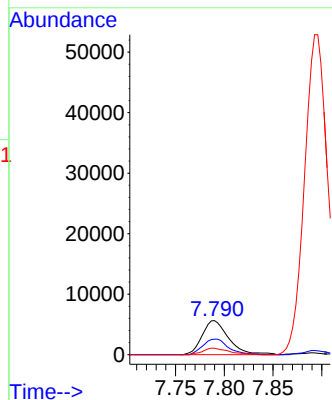
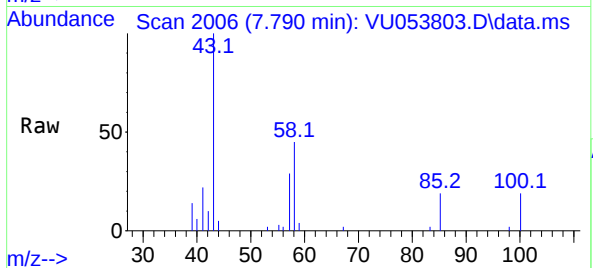




#40
4-Methyl-2-pentanone
Concen: 2.353 ug/L
RT: 7.790 min Scan# 2005
Delta R.T. 0.003 min
Lab File: VU053803.D
Acq: 20 Apr 2023 13:59

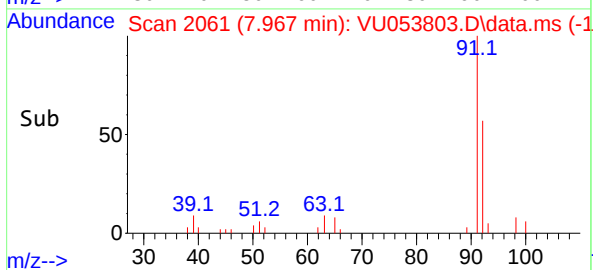
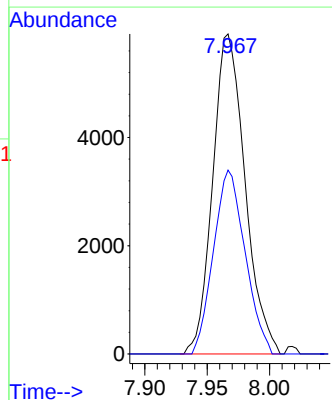
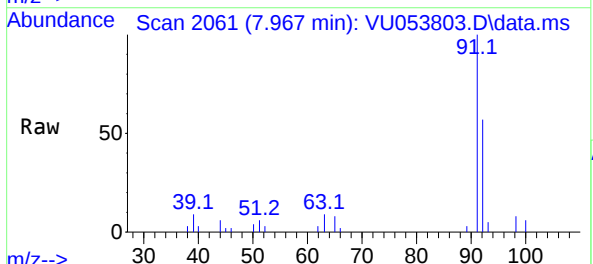
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2023-04

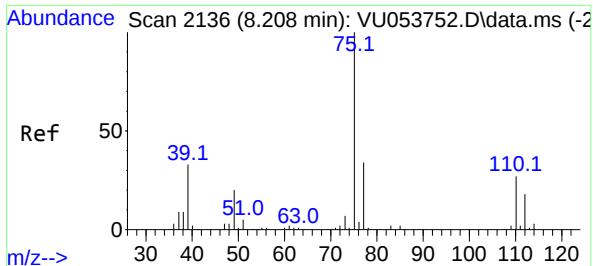
Tgt Ion: 43 Resp: 10623
Ion Ratio Lower Upper
43 100
58 43.7 37.4 56.0
100 0.0 14.0 21.0#



#42
Toluene
Concen: 0.280 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VU053803.D
Acq: 20 Apr 2023 13:59

Tgt Ion: 91 Resp: 10685
Ion Ratio Lower Upper
91 100
92 57.5 40.4 75.0

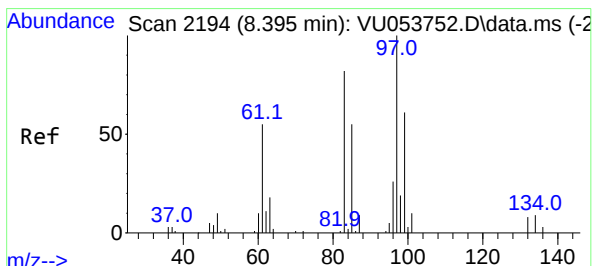
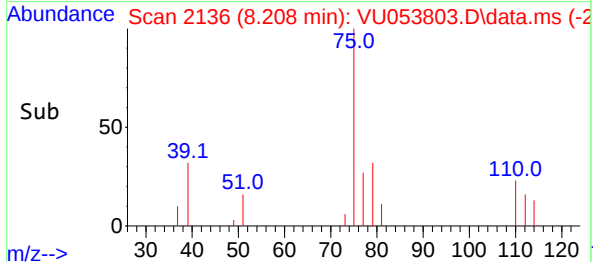
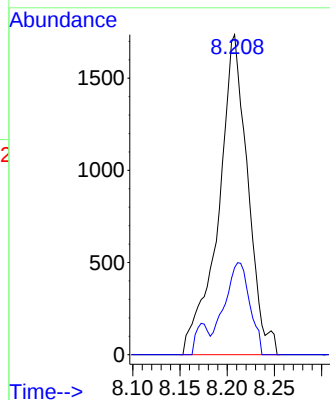
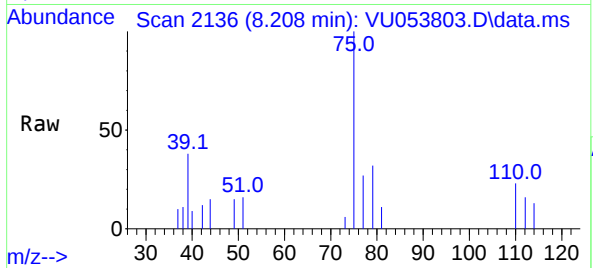




#44
trans-1,3-Dichloropropene
Concen: 0.338 ug/L
RT: 8.208 min Scan# 2136
Delta R.T. -0.000 min
Lab File: VU053803.D
Acq: 20 Apr 2023 13:59

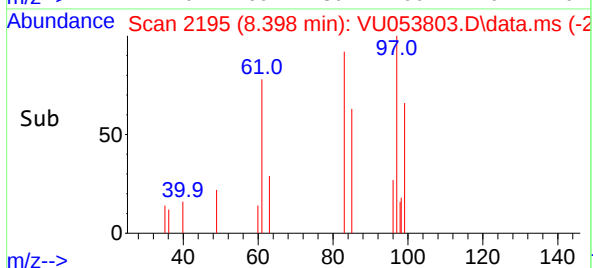
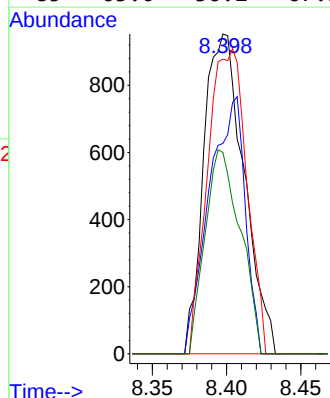
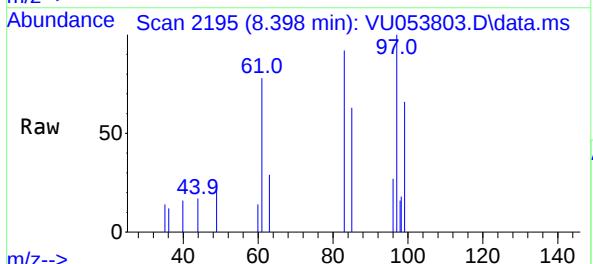
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2023-04

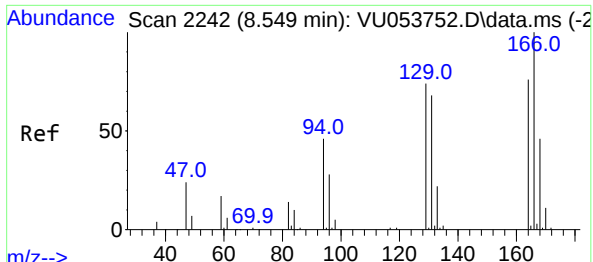
Tgt Ion: 75 Resp: 3746
Ion Ratio Lower Upper
75 100
77 27.2 22.0 40.8



#45
1,1,2-Trichloroethane
Concen: 0.273 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.003 min
Lab File: VU053803.D
Acq: 20 Apr 2023 13:59

Tgt Ion: 97 Resp: 1791
Ion Ratio Lower Upper
97 100
99 65.8 38.9 72.2
83 92.1 57.6 107.0
85 63.0 36.2 67.2





#47

Tetrachloroethene

Concen: 0.344 ug/L

RT: 8.545 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU053803.D

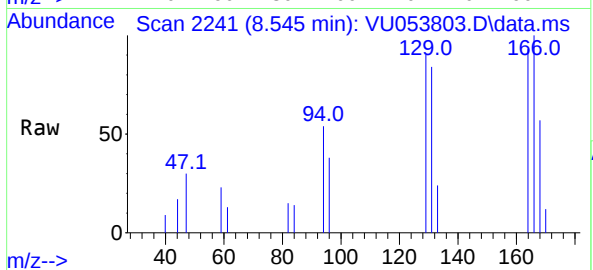
Acq: 20 Apr 2023 13:59

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2023-04



Tgt Ion:164 Resp: 2352

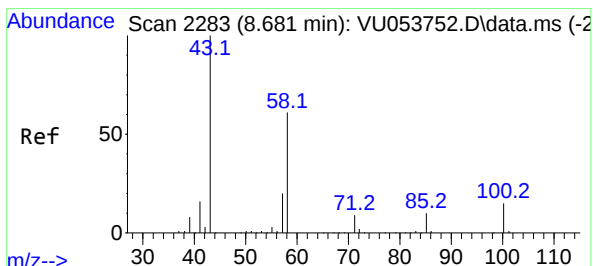
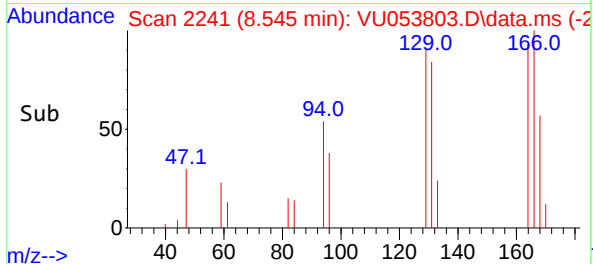
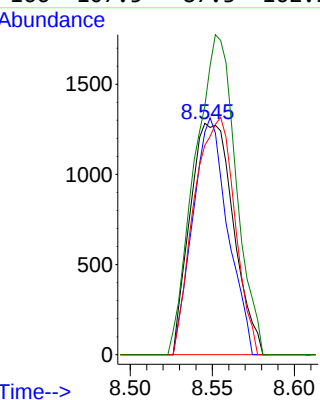
Ion Ratio Lower Upper

164 100

129 96.3 74.8 138.8

131 90.6 70.1 130.1

166 107.5 87.3 162.1



#48

2-Hexanone

Concen: 2.844 ug/L

RT: 8.680 min Scan# 2283

Delta R.T. -0.000 min

Lab File: VU053803.D

Acq: 20 Apr 2023 13:59

Tgt Ion: 43 Resp: 9496

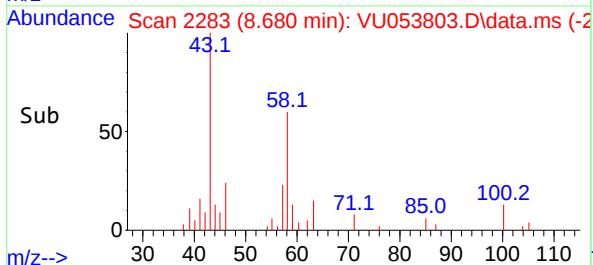
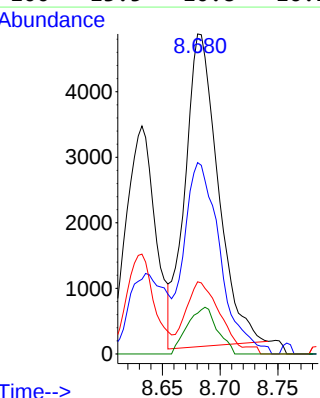
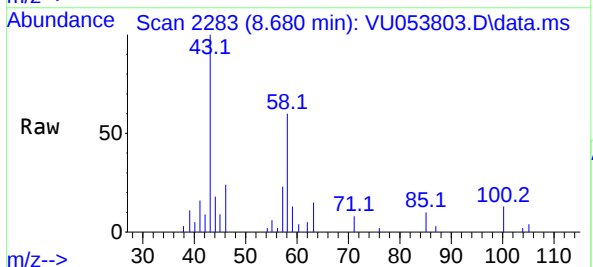
Ion Ratio Lower Upper

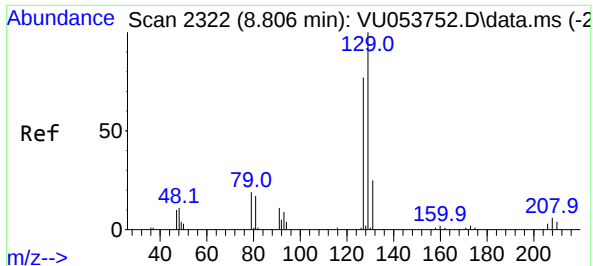
43 100

58 66.4 52.8 79.2

57 21.0 17.1 25.7

100 13.5 10.8 16.2





#49

Dibromochloromethane

Concen: 0.263 ug/L

RT: 8.806 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU053803.D

Acq: 20 Apr 2023 13:59

Instrument :

MSVOA_U

ClientSampleId :

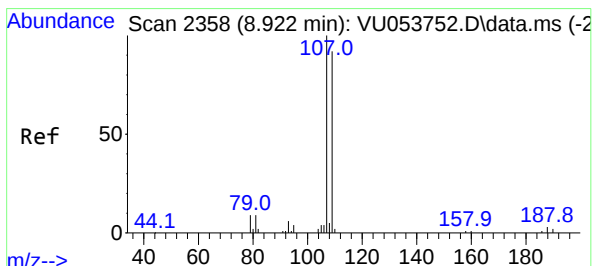
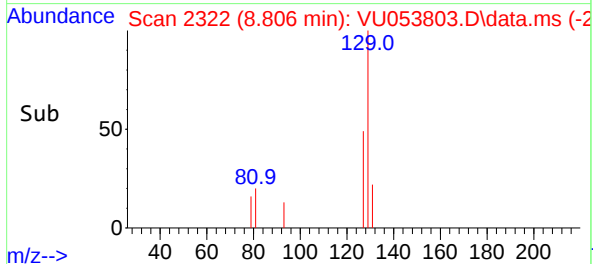
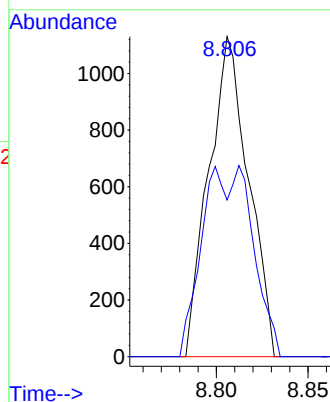
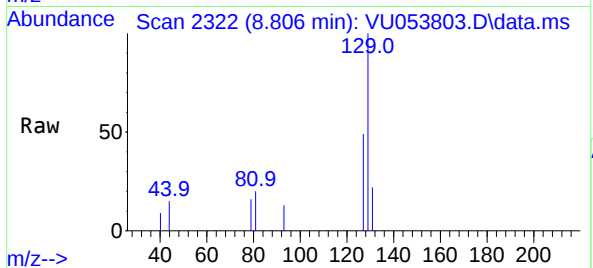
MDL-WATER-QT2-2023-04

Tgt Ion:129 Resp: 1704

Ion Ratio Lower Upper

129 100

127 48.9 52.2 97.0#



#50

1,2-Dibromoethane

Concen: 0.262 ug/L

RT: 8.918 min Scan# 2357

Delta R.T. -0.003 min

Lab File: VU053803.D

Acq: 20 Apr 2023 13:59

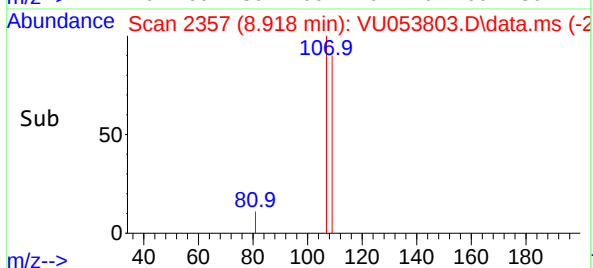
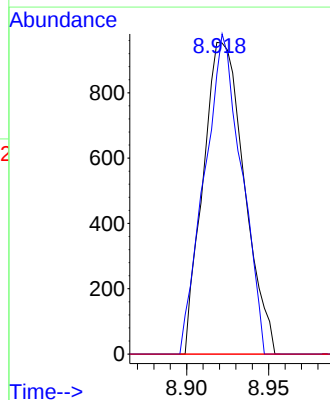
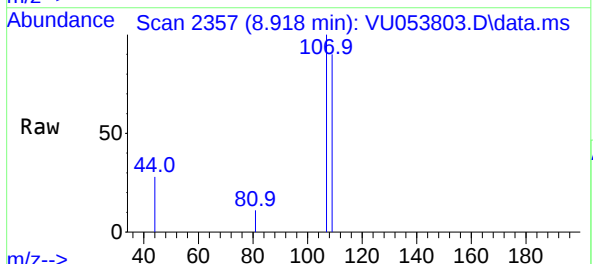
Tgt Ion:107 Resp: 1659

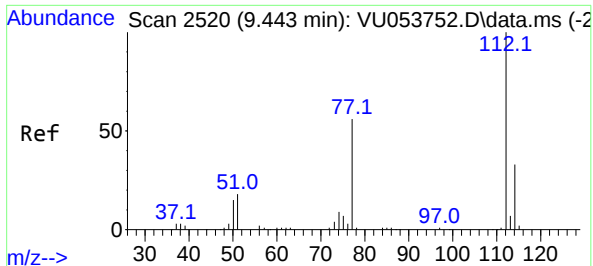
Ion Ratio Lower Upper

107 100

109 89.7 64.7 120.1

188 0.0 3.0 4.6#





#51

Chlorobenzene

Concen: 0.278 ug/L

RT: 9.446 min Scan# 2520

Delta R.T. 0.003 min

Lab File: VU053803.D

Acq: 20 Apr 2023 13:59

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2023-04

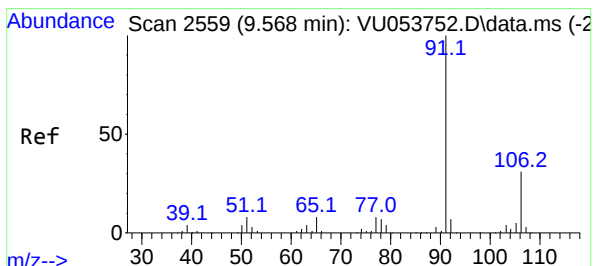
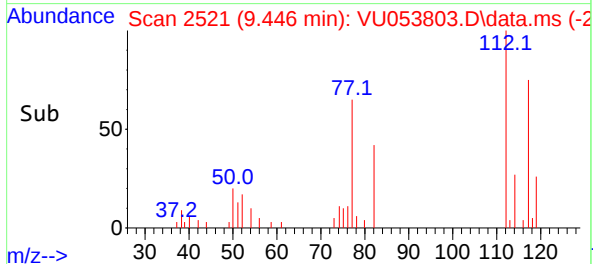
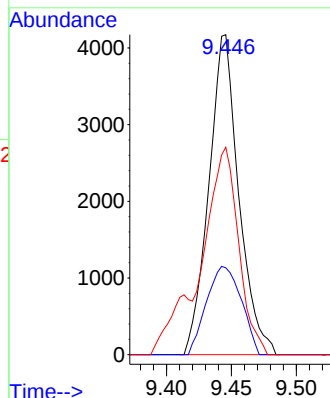
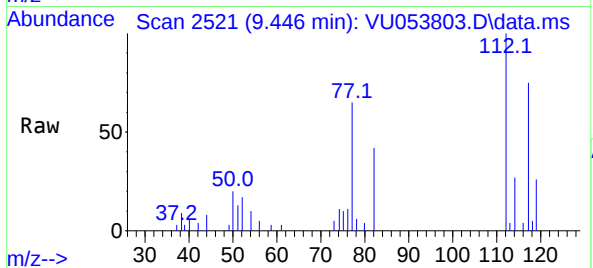
Tgt Ion:112 Resp: 6688

Ion Ratio Lower Upper

112 100

114 27.2 22.1 41.1

77 64.8 45.8 68.6



#52

Ethylbenzene

Concen: 0.257 ug/L

RT: 9.568 min Scan# 2559

Delta R.T. -0.000 min

Lab File: VU053803.D

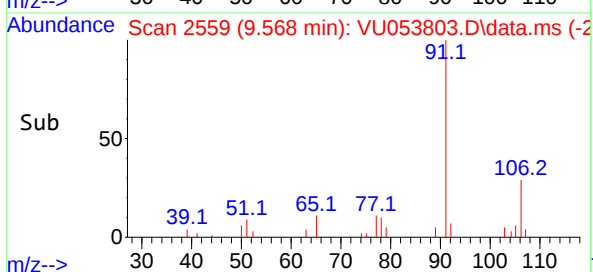
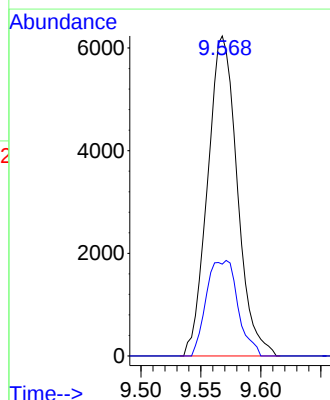
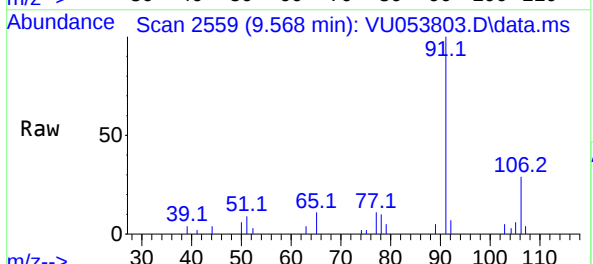
Acq: 20 Apr 2023 13:59

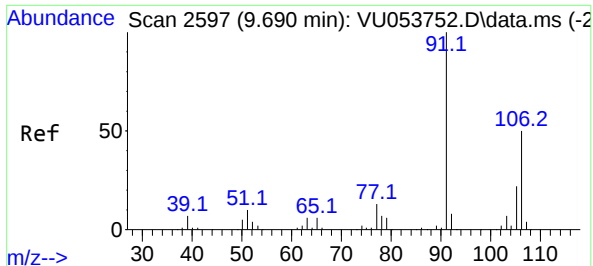
Tgt Ion: 91 Resp: 10706

Ion Ratio Lower Upper

91 100

106 28.7 22.5 41.9

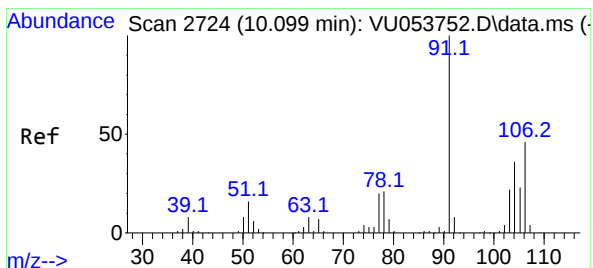
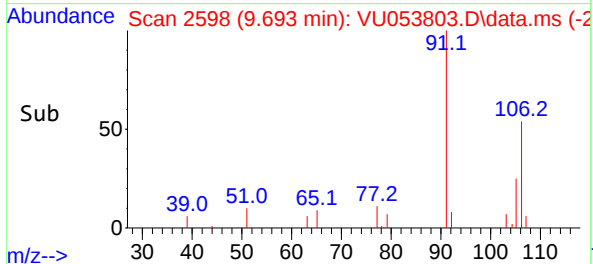
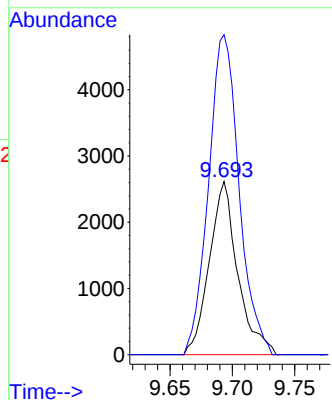
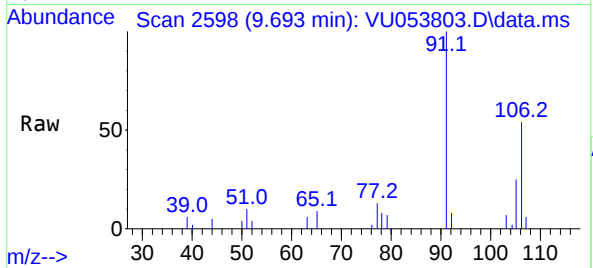




#53
m,p-Xylene
Concen: 0.261 ug/L
RT: 9.693 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053803.D
Acq: 20 Apr 2023 13:59

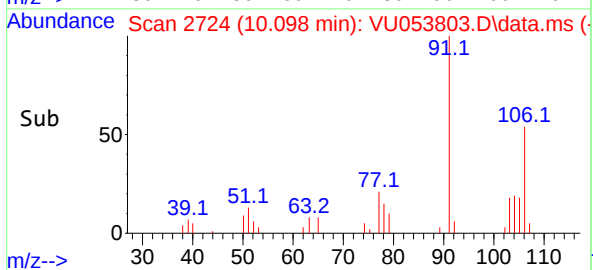
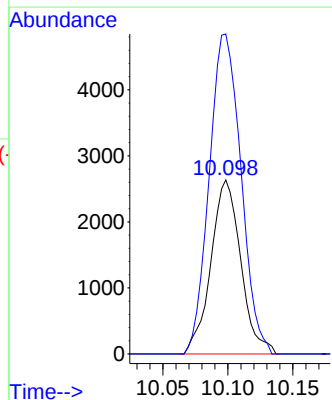
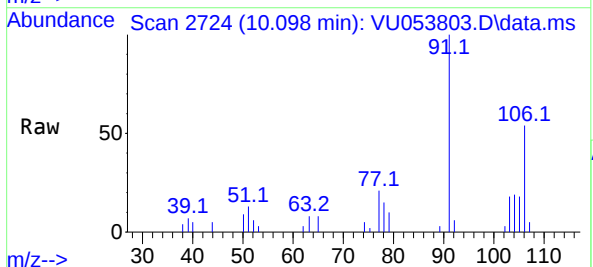
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2023-04

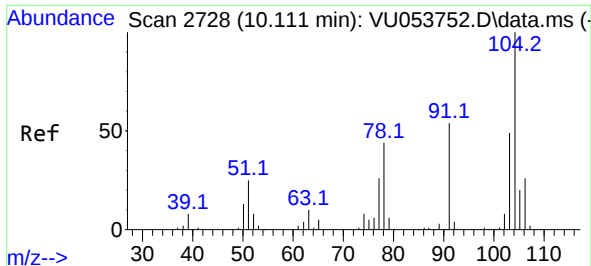
Tgt Ion:106 Resp: 4138
Ion Ratio Lower Upper
106 100
91 184.8 138.8 257.8



#54
o-Xylene
Concen: 0.280 ug/L
RT: 10.098 min Scan# 2724
Delta R.T. -0.000 min
Lab File: VU053803.D
Acq: 20 Apr 2023 13:59

Tgt Ion:106 Resp: 4216
Ion Ratio Lower Upper
106 100
91 183.8 150.8 280.0

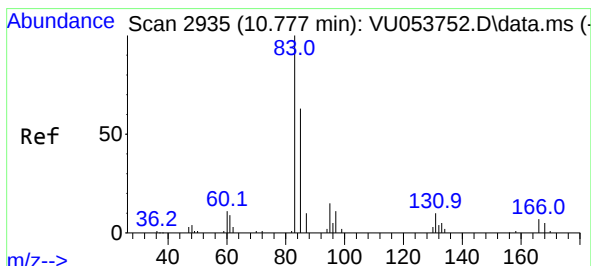
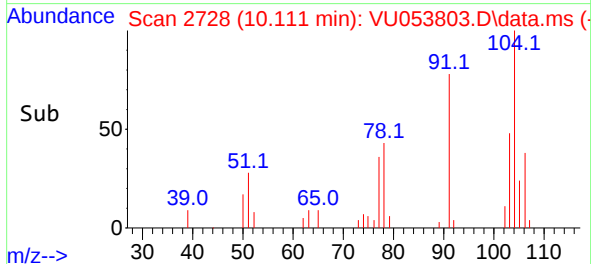
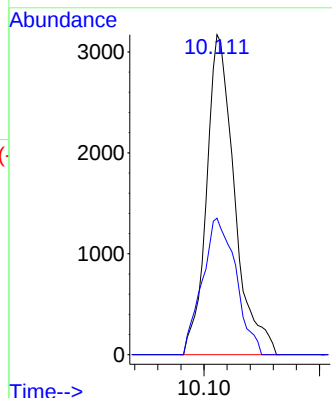
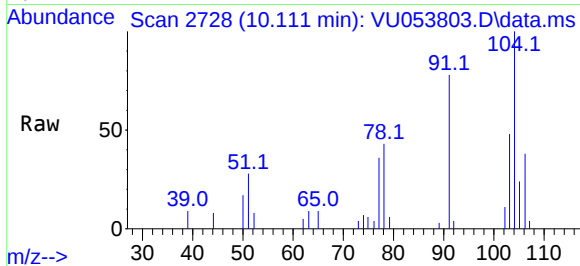




#55
Styrene
Concen: 0.216 ug/L
RT: 10.111 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053803.D
Acq: 20 Apr 2023 13:59

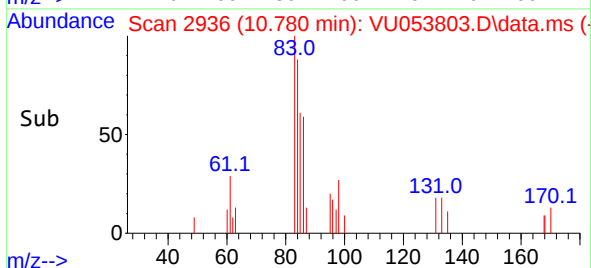
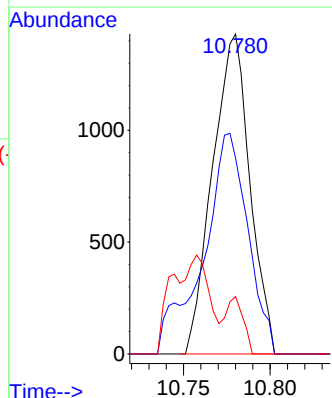
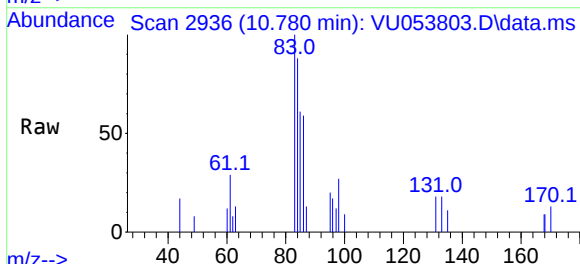
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2023-04

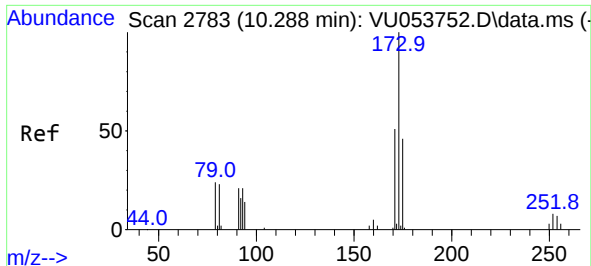
Tgt Ion:104 Resp: 5337
Ion Ratio Lower Upper
104 100
78 42.7 33.0 61.4



#57
1,1,2,2-Tetrachloroethane
Concen: 0.259 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. 0.003 min
Lab File: VU053803.D
Acq: 20 Apr 2023 13:59

Tgt Ion: 83 Resp: 2144
Ion Ratio Lower Upper
83 100
85 61.2 43.8 81.4
131 18.0 7.2 10.8#

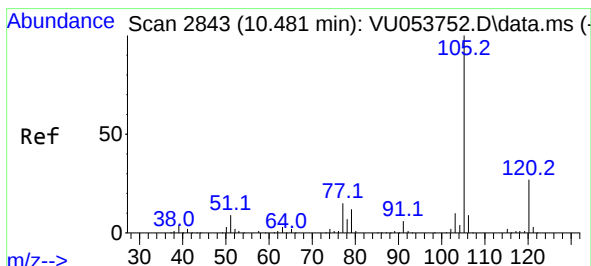
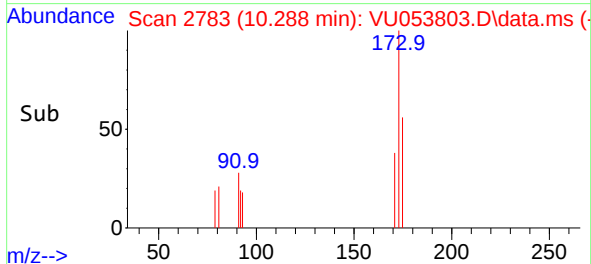
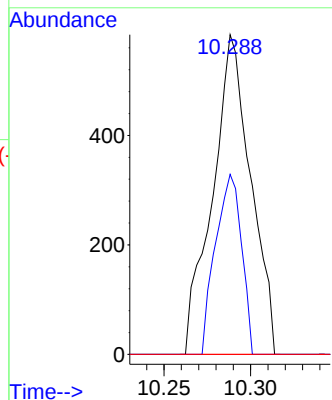
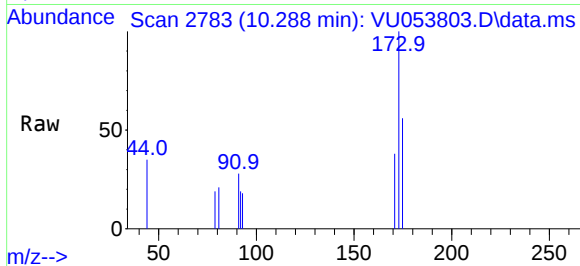




#59
Bromoform
Concen: 0.271 ug/L
RT: 10.288 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053803.D
Acq: 20 Apr 2023 13:59

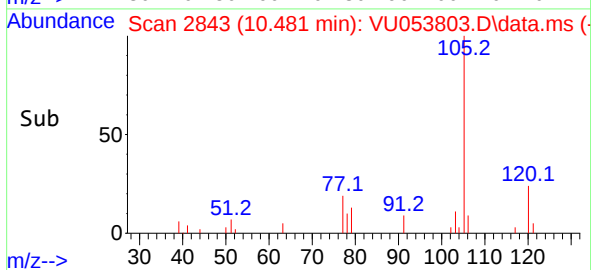
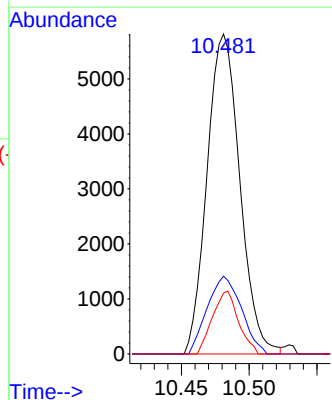
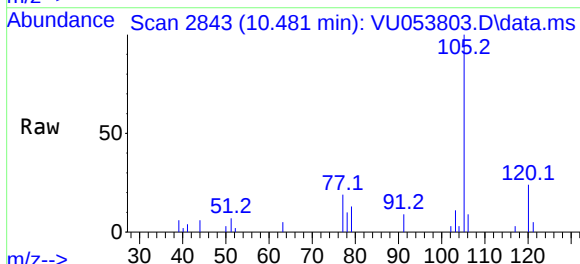
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2023-04

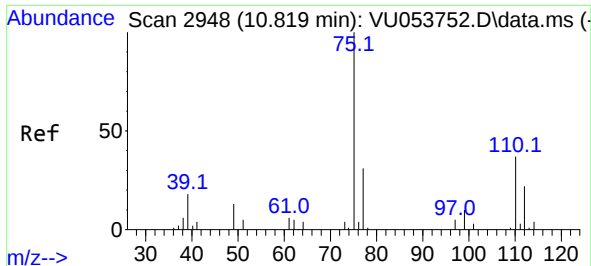
Tgt Ion:173 Resp: 897
Ion Ratio Lower Upper
173 100
175 38.2 39.9 59.9#
254 0.0 6.6 9.8#



#60
Isopropylbenzene
Concen: 0.251 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU053803.D
Acq: 20 Apr 2023 13:59

Tgt Ion:105 Resp: 9783
Ion Ratio Lower Upper
105 100
120 25.2 21.5 32.3
77 15.5 13.0 19.4

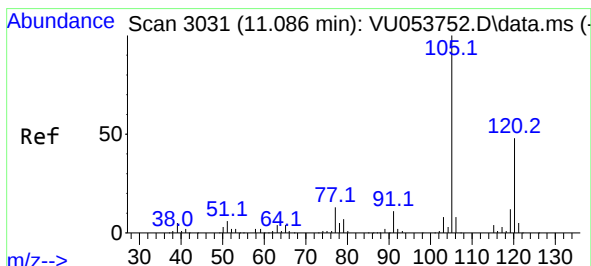
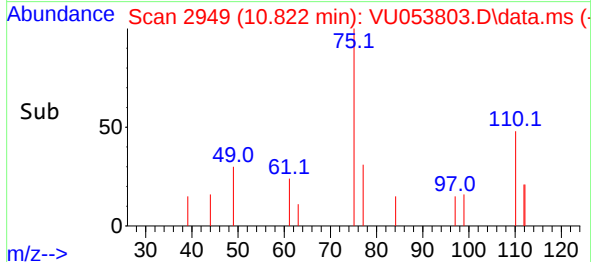
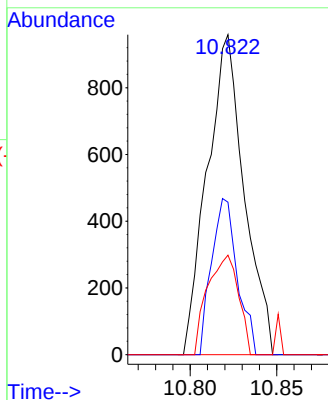
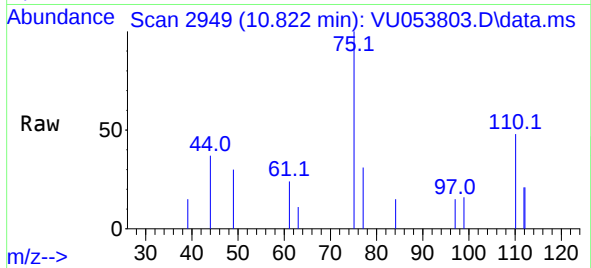




#61
1,2,3-Trichloropropane
Concen: 0.268 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU053803.D
Acq: 20 Apr 2023 13:59

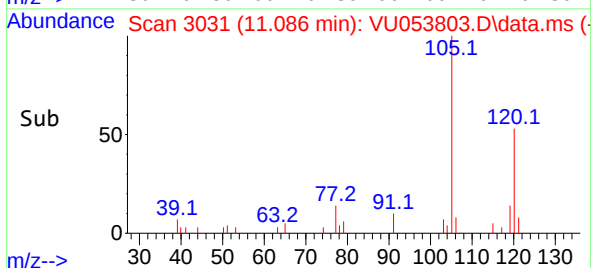
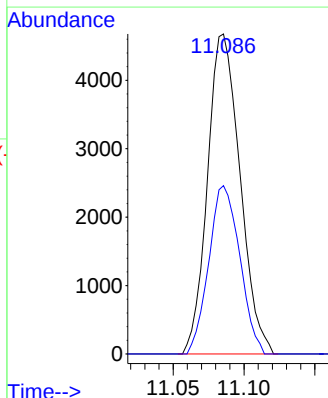
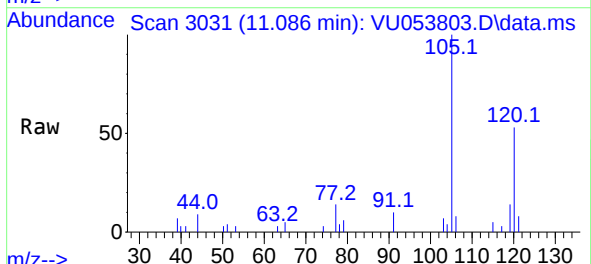
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2023-04

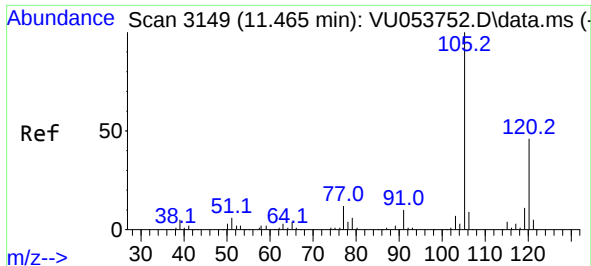
Tgt Ion: 75 Resp: 1426
Ion Ratio Lower Upper
75 100
110 33.9 30.6 46.0
77 25.9 26.1 39.1#



#62
1,3,5-Trimethylbenzene
Concen: 0.236 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. -0.000 min
Lab File: VU053803.D
Acq: 20 Apr 2023 13:59

Tgt Ion: 105 Resp: 7480
Ion Ratio Lower Upper
105 100
120 50.1 37.8 56.8

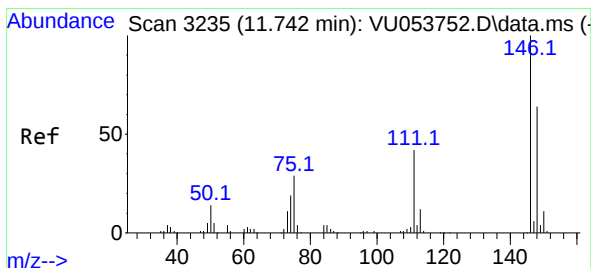
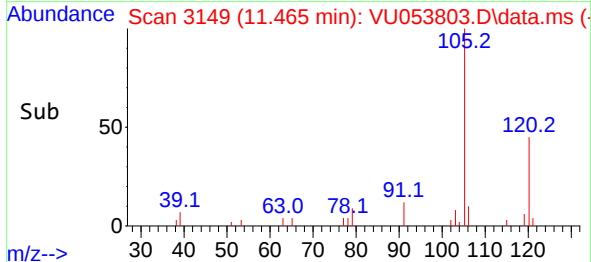
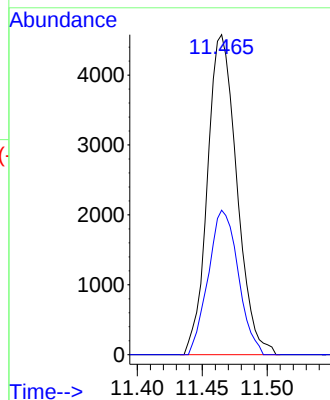
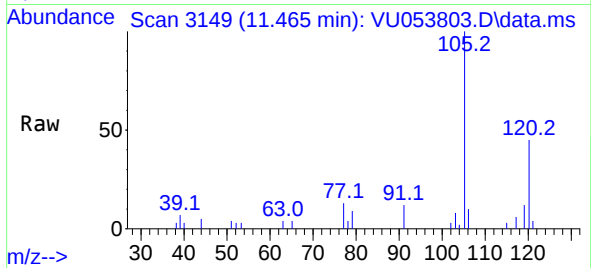




#63
1,2,4-Trimethylbenzene
Concen: 0.222 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. -0.000 min
Lab File: VU053803.D
Acq: 20 Apr 2023 13:59

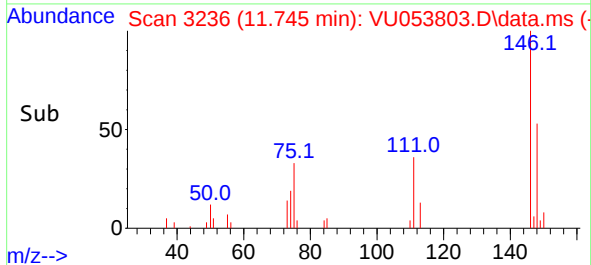
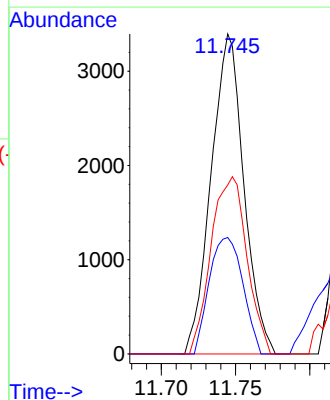
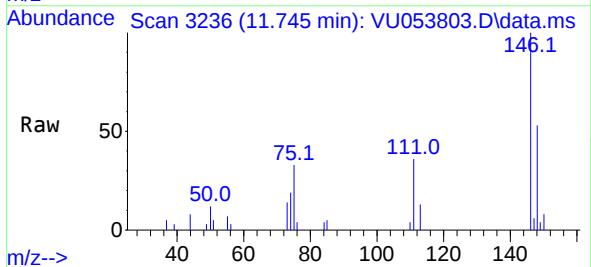
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2023-04

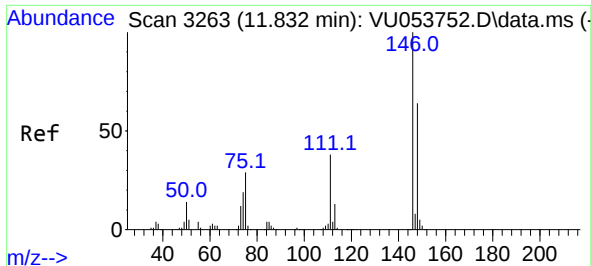
Tgt Ion:105 Resp: 7204
Ion Ratio Lower Upper
105 100
120 46.1 35.4 53.0



#64
1,3-Dichlorobenzene
Concen: 0.303 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.003 min
Lab File: VU053803.D
Acq: 20 Apr 2023 13:59

Tgt Ion:146 Resp: 5198
Ion Ratio Lower Upper
146 100
111 36.4 29.4 54.6
148 52.8 44.3 82.3

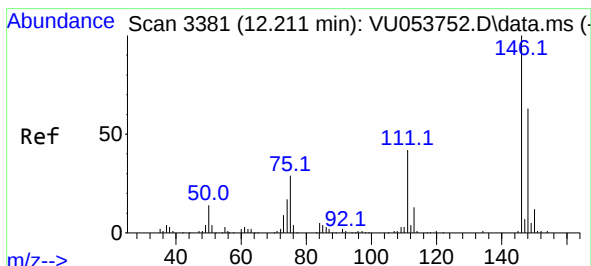
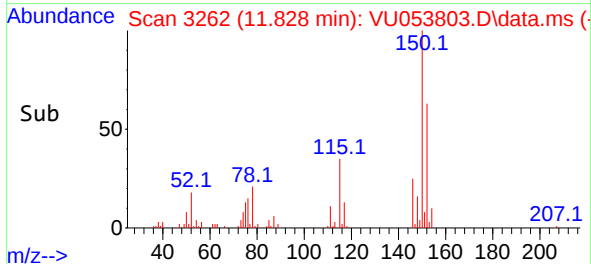
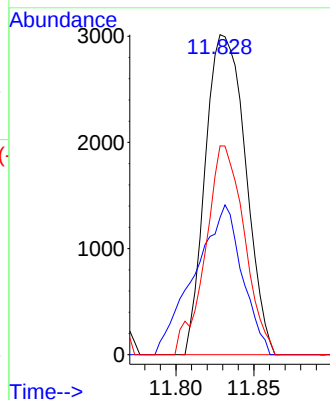
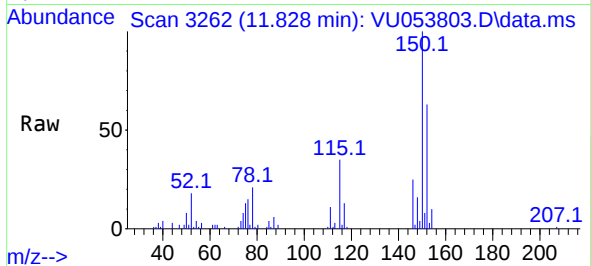




#65
1,4-Dichlorobenzene
Concen: 0.314 ug/L
RT: 11.828 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU053803.D
Acq: 20 Apr 2023 13:59

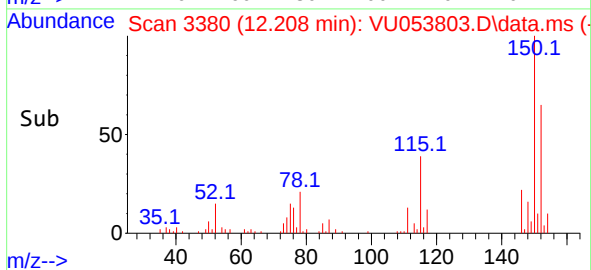
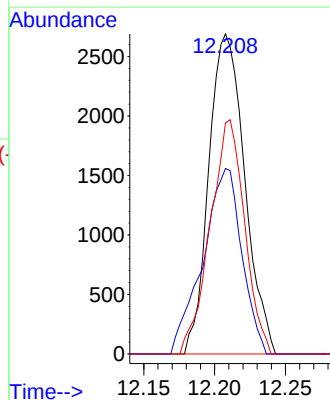
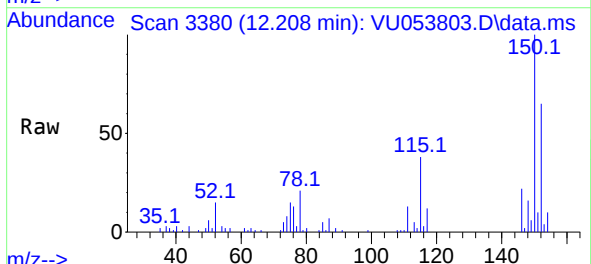
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2023-04

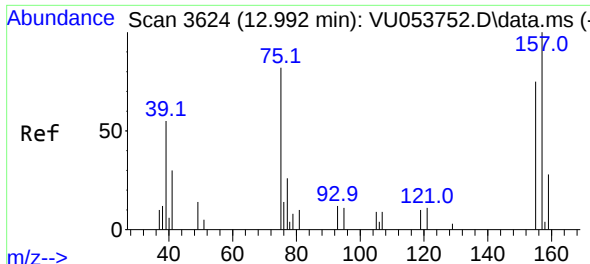
Tgt Ion:146 Resp: 5418
Ion Ratio Lower Upper
146 100
111 42.9 29.8 55.4
148 65.2 43.0 80.0



#67
1,2-Dichlorobenzene
Concen: 0.291 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. -0.003 min
Lab File: VU053803.D
Acq: 20 Apr 2023 13:59

Tgt Ion:146 Resp: 4739
Ion Ratio Lower Upper
146 100
111 58.0 35.0 52.6#
148 72.2 48.2 72.4

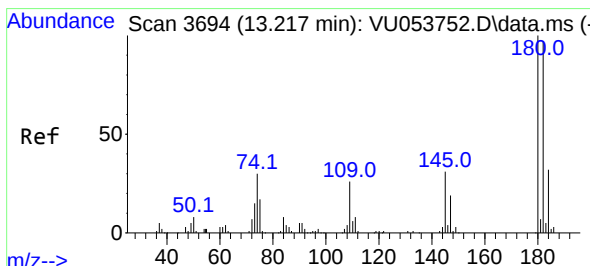
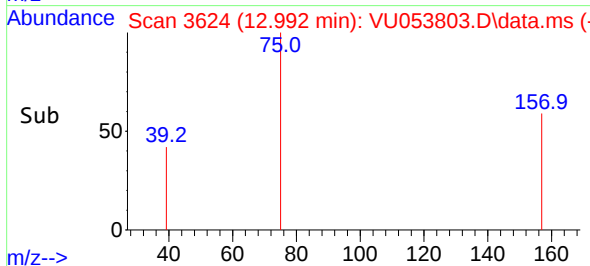
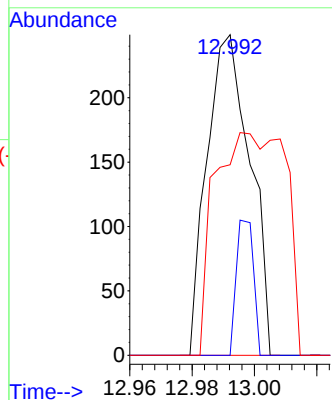
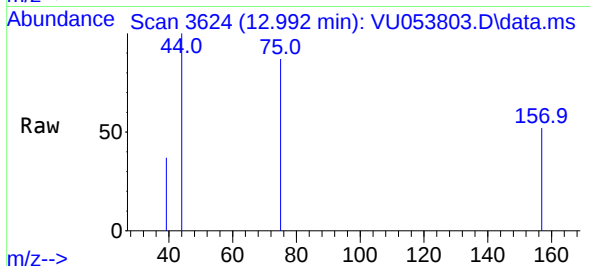




#68
1,2-Dibromo-3-chloropropane
Concen: 0.232 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. -0.000 min
Lab File: VU053803.D
Acq: 20 Apr 2023 13:59

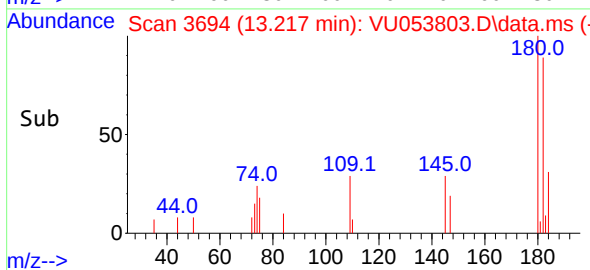
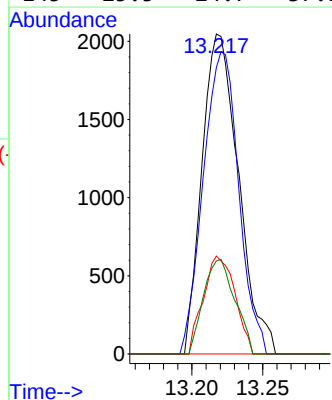
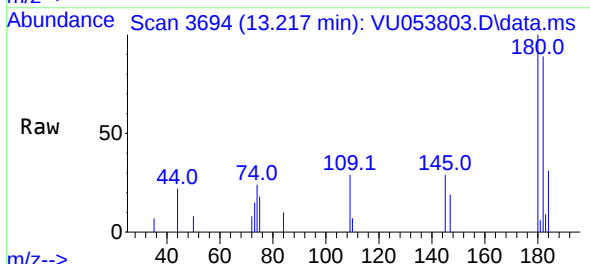
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2023-04

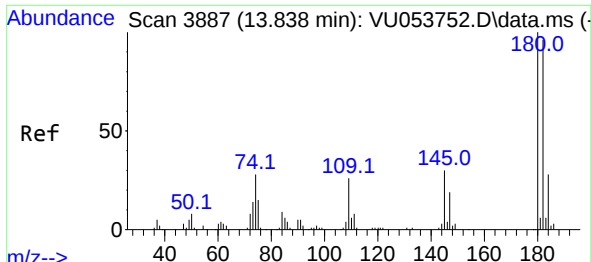
Tgt Ion: 75 Resp: 239
Ion Ratio Lower Upper
75 100
155 0.0 63.9 95.9#
157 59.4 74.1 111.1#



#69
1,3,5-Trichlorobenzene
Concen: 0.306 ug/L
RT: 13.217 min Scan# 3694
Delta R.T. -0.000 min
Lab File: VU053803.D
Acq: 20 Apr 2023 13:59

Tgt Ion: 180 Resp: 3665
Ion Ratio Lower Upper
180 100
182 91.6 76.7 115.1
184 26.5 24.1 36.1
145 25.5 24.7 37.1





#70

1,2,4-trichlorobenzene

Concen: 0.296 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.003 min

Lab File: VU053803.D

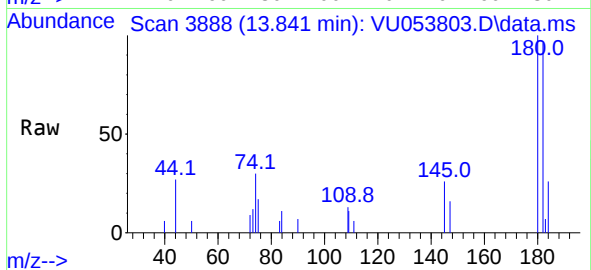
Acq: 20 Apr 2023 13:59

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2023-04



Tgt Ion:180 Resp: 2821

Ion Ratio Lower Upper

180 100

182 97.0 75.4 113.2

145 29.3 25.8 38.8

