

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071823\
 Data File : VU054803.D
 Acq On : 18 Jul 2023 12:51
 Operator : MD/SY
 Sample : 03573-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2023-06

Quant Time: Jul 19 02:48:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 19 02:47:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	237450	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	227502	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	124558	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	80474	43.849	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.700%
7) Chloroethane-d5	1.879	69	81427	44.353	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.700%
11) 1,1-Dichloroethene-d2	2.554	63	86988	33.043	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.080%
21) 2-Butanone-d5	4.618	46	114583	97.134	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.130%
24) Chloroform-d	5.055	84	128643	45.030	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.060%
26) 1,2-Dichloroethane-d4	5.695	65	81179	47.453	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.900%
32) Benzene-d6	5.721	84	263161	48.561	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.120%
36) 1,2-Dichloropropane-d6	6.685	67	89528	49.063	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.120%
41) Toluene-d8	7.894	98	253116	49.016	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.040%
43) trans-1,3-Dichloroprop...	8.177	79	43570	46.676	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.360%
47) 2-Hexanone-d5	8.627	63	82395	95.523	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.520%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	157404	46.963	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.920%
66) 1,2-Dichlorobenzene-d4	12.190	152	105395	49.241	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	4724	2.632	ug/L	96
3) Chloromethane	1.518	50	7181	3.509	ug/L	95
6) Bromomethane	1.827	94	5409	3.340	ug/L	99
9) Trichlorofluoromethane	2.120	101	11017	2.587	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	4781	3.043	ug/L #	39
12) 1,1-Dichloroethene	2.567	96	4640	3.141	ug/L #	1
13) Acetone	2.621	43	4143	4.176	ug/L	95
14) Carbon disulfide	2.782	76	11253	2.608	ug/L	98
15) Methyl Acetate	2.946	43	4402	2.660	ug/L	94
17) trans-1,2-Dichloroethene	3.345	96	3834	2.507	ug/L	81
18) Methyl tert-butyl Ether	3.364	73	13328	2.518	ug/L #	86
19) 1,1-Dichloroethane	3.856	63	7231	2.478	ug/L	91
20) cis-1,2-Dichloroethene	4.660	96	4462	2.455	ug/L	89
22) 2-Butanone	4.714	43	3291	2.403	ug/L	79
23) Bromochloromethane	4.972	128	2246	2.429	ug/L #	83
25) Chloroform	5.078	83	5225	1.708	ug/L	92
27) 1,2-Dichloroethane	5.792	62	6525	2.808	ug/L	100
29) Cyclohexane	5.380	56	6279	2.510	ug/L #	80
30) 1,1,1-Trichloroethane	5.309	97	6804	2.695	ug/L #	87

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071823\
 Data File : VU054803.D
 Acq On : 18 Jul 2023 12:51
 Operator : MD/SY
 Sample : 03573-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2023-06

Quant Time: Jul 19 02:48:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 19 02:47:32 2023
 Response via : Initial Calibration

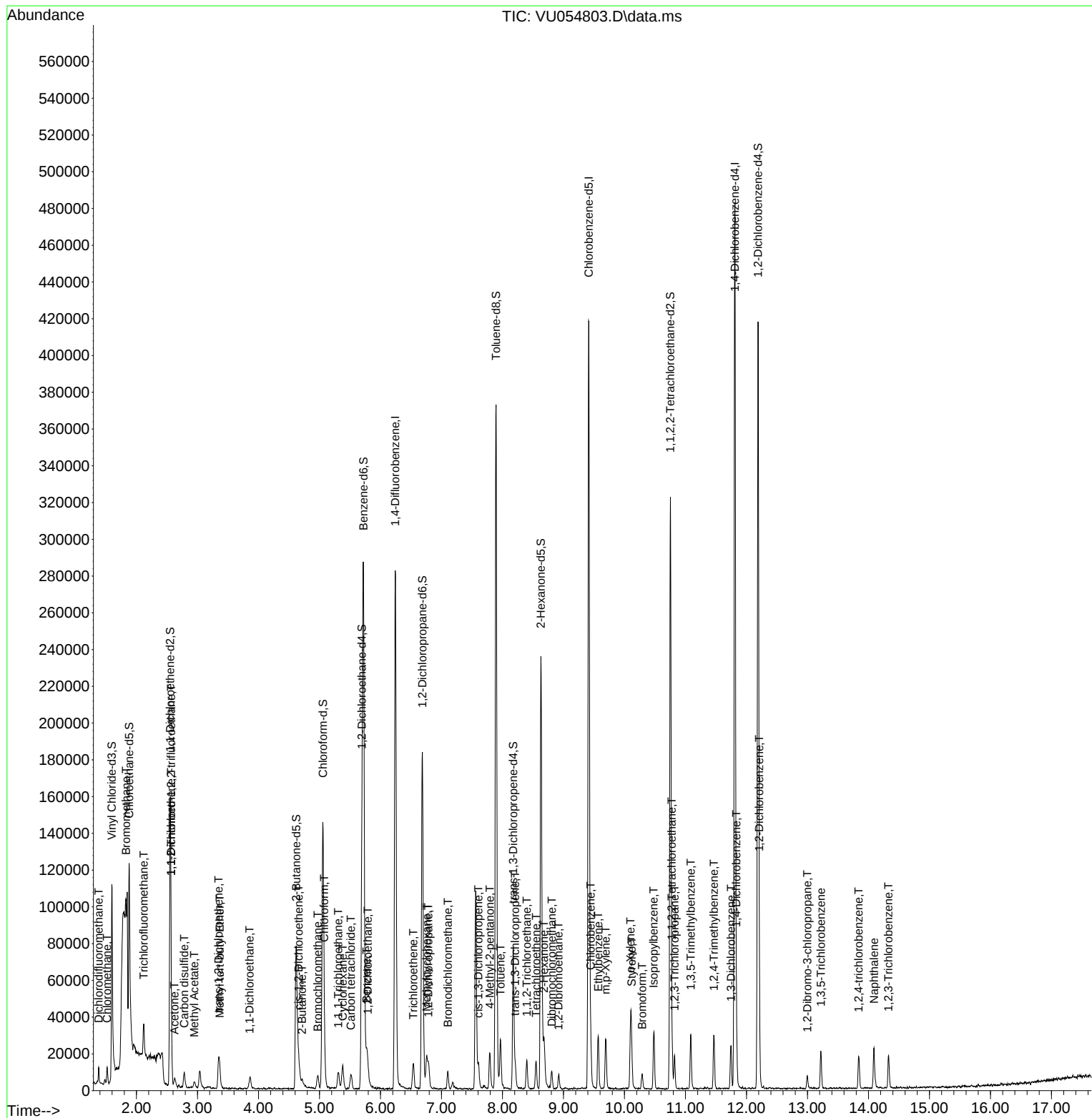
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
31) Carbon tetrachloride	5.515	117	2955	1.355	ug/L #	20
33) Benzene	5.772	78	17283	2.651	ug/L	100
34) Trichloroethene	6.538	95	4159	2.507	ug/L	80
35) Methylcyclohexane	6.756	83	7725	2.849	ug/L	91
37) 1,2-Dichloropropane	6.785	63	5108	2.849	ug/L #	88
38) Bromodichloromethane	7.103	83	5364	2.332	ug/L	90
39) cis-1,3-Dichloropropene	7.605	75	6936	2.346	ug/L	93
40) 4-Methyl-2-pentanone	7.792	43	13894	5.062	ug/L	98
42) Toluene	7.968	91	17701	2.427	ug/L	92
44) trans-1,3-Dichloropropene	8.206	75	7346	2.644	ug/L	94
45) 1,1,2-Trichloroethane	8.396	97	4632	2.534	ug/L	90
46) Tetrachloroethene	8.550	164	3301	2.595	ug/L	96
48) 2-Hexanone	8.682	43	16325	7.179	ug/L #	85
49) Dibromochloromethane	8.808	129	4502	2.391	ug/L	96
50) 1,2-Dibromoethane	8.920	107	4824	2.452	ug/L #	87
51) Chlorobenzene	9.444	112	12810	2.700	ug/L	94
52) Ethylbenzene	9.570	91	22059	2.616	ug/L	99
53) m,p-Xylene	9.692	106	8297	2.584	ug/L	99
54) o-Xylene	10.100	106	7866	2.412	ug/L	97
55) Styrene	10.116	104	13297	2.341	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	9252	2.564	ug/L #	97
59) Bromoform	10.290	173	3137	2.013	ug/L #	57
60) 1,2,3-Trichloropropane	10.820	75	6389	2.629	ug/L #	89
61) Isopropylbenzene	10.479	105	21567	2.621	ug/L	98
62) 1,3,5-Trimethylbenzene	11.087	105	16682	2.461	ug/L	94
63) 1,2,4-Trimethylbenzene	11.467	105	16335	2.432	ug/L	99
64) 1,3-Dichlorobenzene	11.746	146	8583	2.249	ug/L	87
65) 1,4-Dichlorobenzene	11.833	146	10043	2.612	ug/L	93
67) 1,2-Dichlorobenzene	12.209	146	10200	2.660	ug/L	93
68) 1,2-Dibromo-3-chloropr...	13.000	75	1620	2.494	ug/L #	1
69) 1,3,5-Trichlorobenzene	13.219	180	4052	1.584	ug/L #	61
70) 1,2,4-trichlorobenzene	13.839	180	3926	1.777	ug/L #	56
71) Naphthalene	14.090	128	19312	2.664	ug/L #	94
72) 1,2,3-Trichlorobenzene	14.328	180	5858	2.723	ug/L #	43

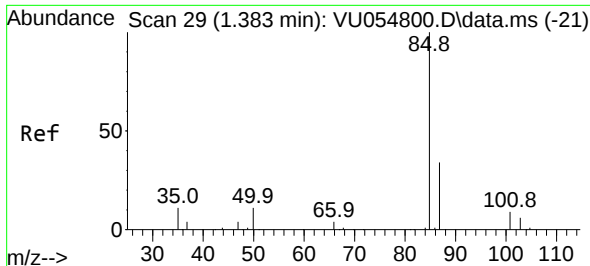
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071823\
Data File : VU054803.D
Acq On : 18 Jul 2023 12:51
Operator : MD/SY
Sample : 03573-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06

Quant Time: Jul 19 02:48:34 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071723WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 19 02:47:32 2023
Response via : Initial Calibration

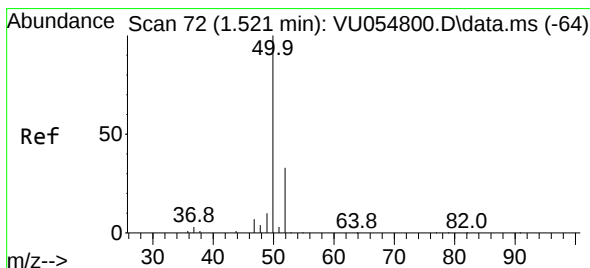
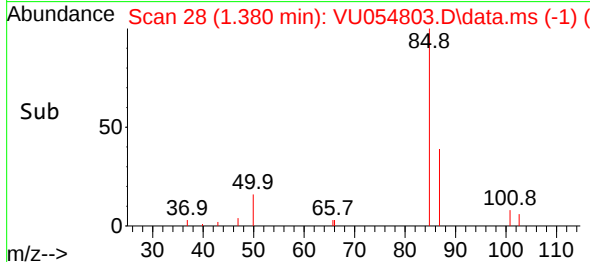
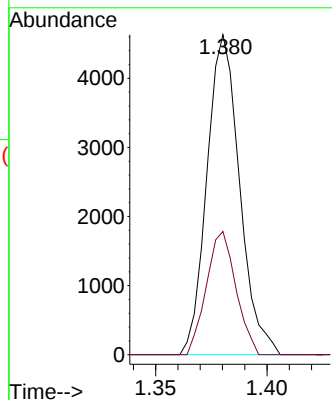
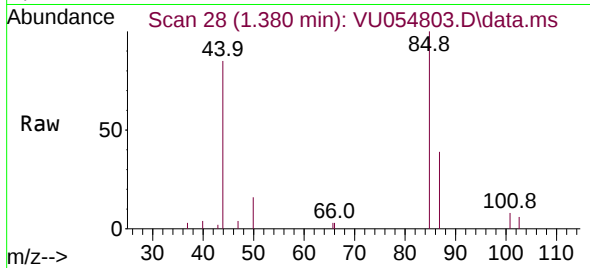




#2
 Dichlorodifluoromethane
 Concen: 2.632 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU054803.D
 Acq: 18 Jul 2023 12:51

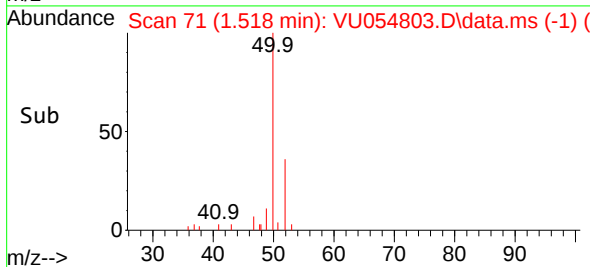
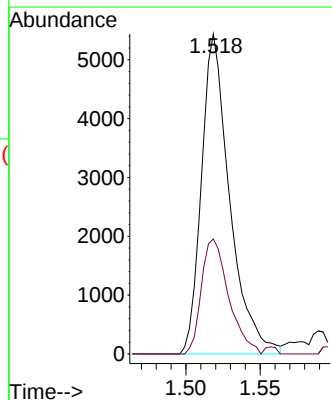
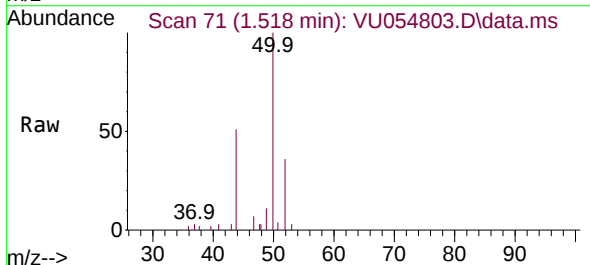
Instrument : MSVOA_U
 ClientSampleId : MDL-WATER-QT3-2023-06

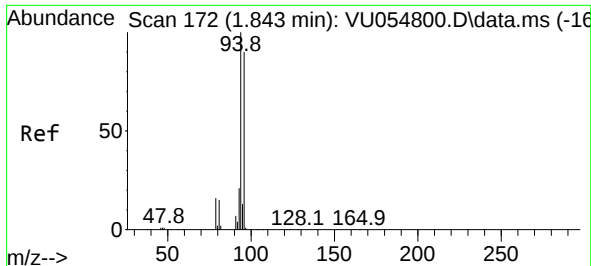
Tgt Ion: 85 Resp: 4724
 Ion Ratio Lower Upper
 85 100
 87 34.7 26.2 39.2



#3
 Chloromethane
 Concen: 3.509 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VU054803.D
 Acq: 18 Jul 2023 12:51

Tgt Ion: 50 Resp: 7181
 Ion Ratio Lower Upper
 50 100
 52 34.7 22.5 41.9

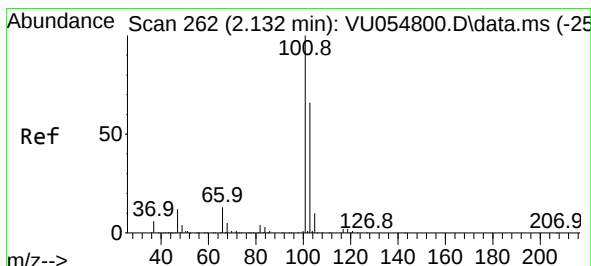
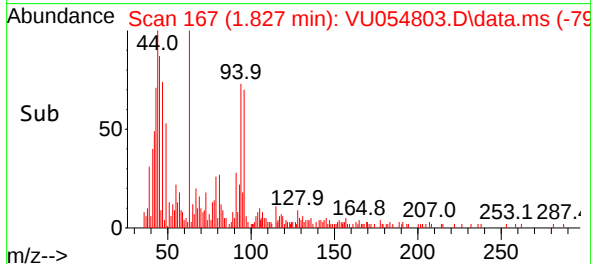
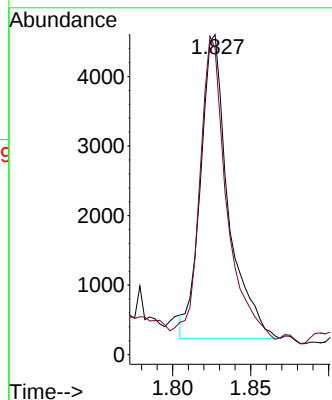
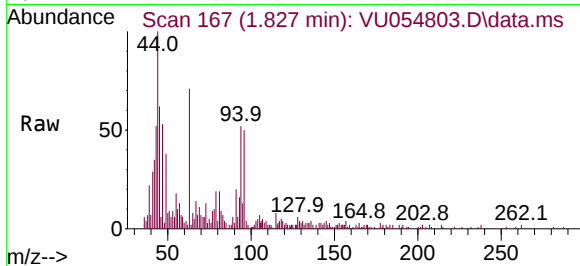




#6
Bromomethane
Concen: 3.340 ug/L
RT: 1.827 min Scan# 11
Delta R.T. -0.016 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

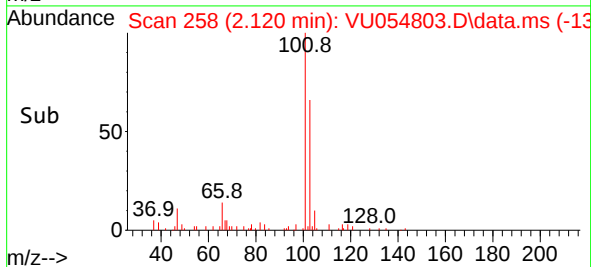
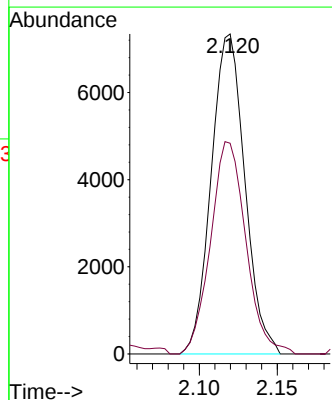
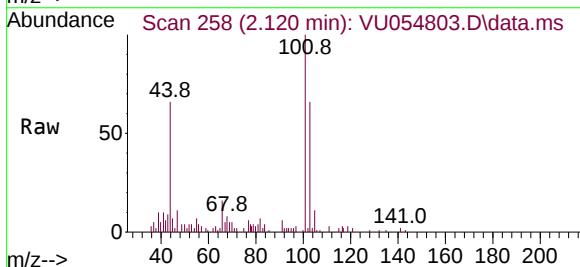
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06

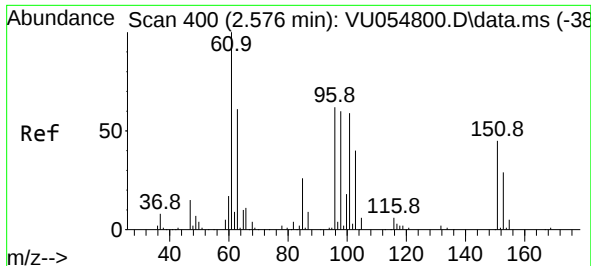
Tgt Ion: 94 Resp: 5409
Ion Ratio Lower Upper
94 100
96 95.7 66.1 122.8



#9
Trichlorofluoromethane
Concen: 2.587 ug/L
RT: 2.120 min Scan# 258
Delta R.T. -0.013 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Tgt Ion:101 Resp: 11017
Ion Ratio Lower Upper
101 100
103 69.5 52.2 78.2

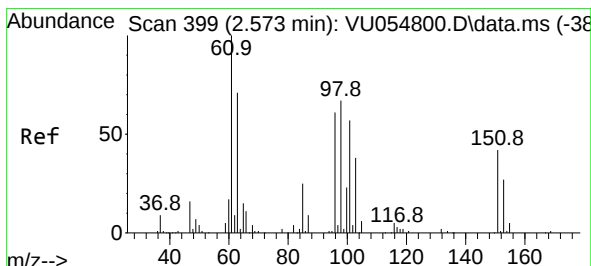
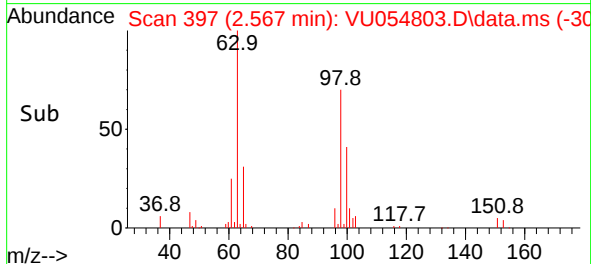
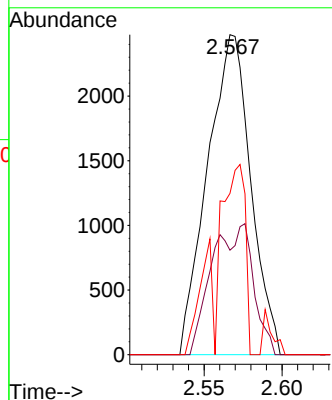
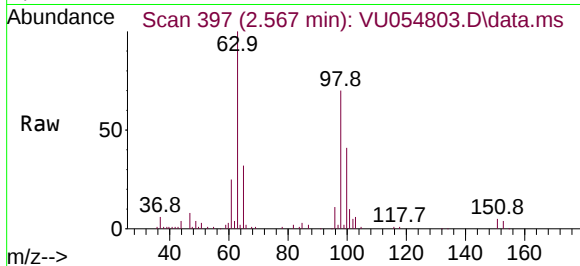




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 3.043 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. -0.009 min
 Lab File: VU054803.D
 Acq: 18 Jul 2023 12:51

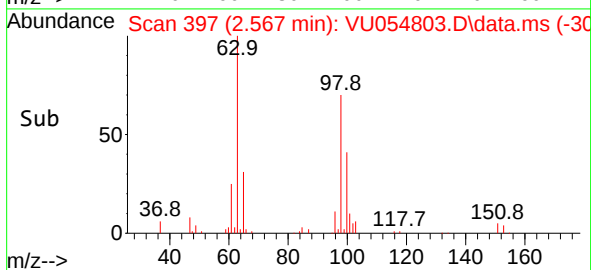
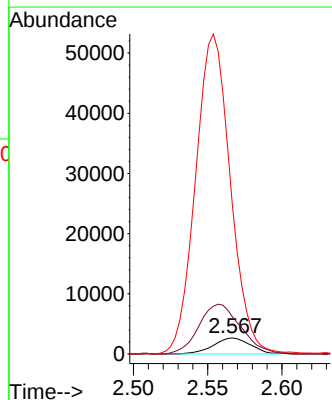
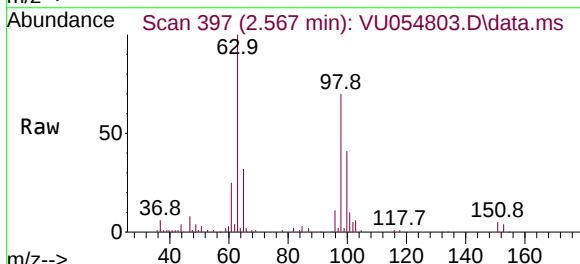
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2023-06

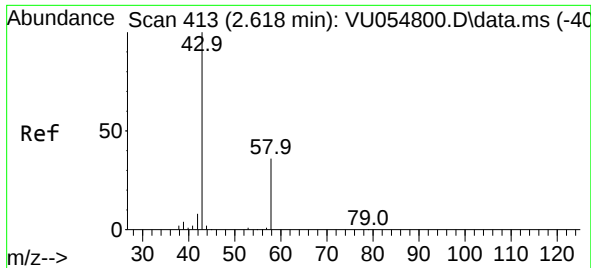
Tgt Ion:101 Resp: 4781
 Ion Ratio Lower Upper
 101 100
 85 20.4 35.3 52.9#
 151 9.6 58.2 87.4#



#12
 1,1-Dichloroethene
 Concen: 3.141 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. -0.006 min
 Lab File: VU054803.D
 Acq: 18 Jul 2023 12:51

Tgt Ion: 96 Resp: 4640
 Ion Ratio Lower Upper
 96 100
 61 232.0 115.0 213.6#
 63 929.7 77.6 144.0#





#13

Acetone

Concen: 4.176 ug/L

RT: 2.621 min Scan# 413

Delta R.T. 0.003 min

Lab File: VU054803.D

Acq: 18 Jul 2023 12:51

Instrument :

MSVOA_U

ClientSampleId :

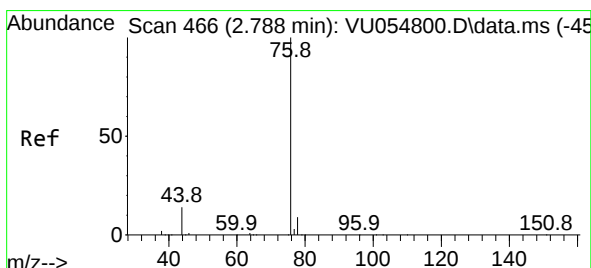
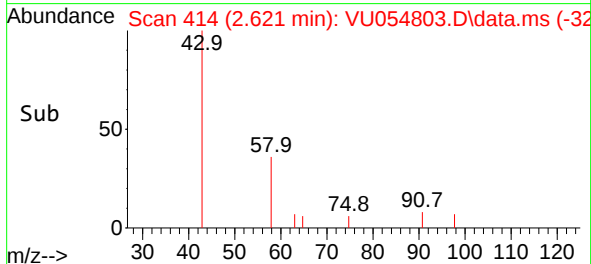
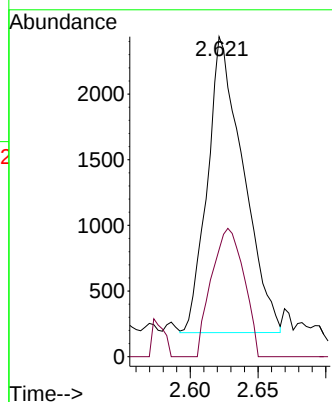
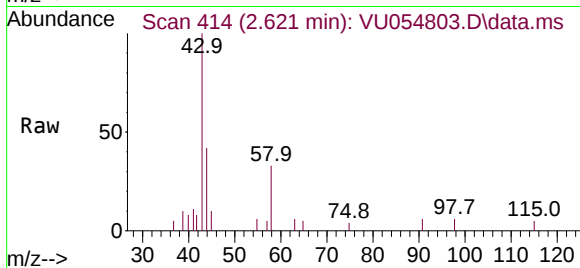
MDL-WATER-QT3-2023-06

Tgt Ion: 43 Resp: 4143

Ion Ratio Lower Upper

43 100

58 39.2 0.0 72.4



#14

Carbon disulfide

Concen: 2.608 ug/L

RT: 2.782 min Scan# 464

Delta R.T. -0.006 min

Lab File: VU054803.D

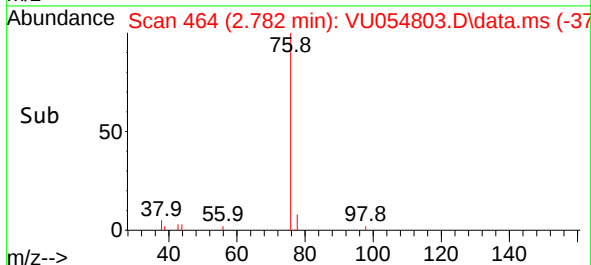
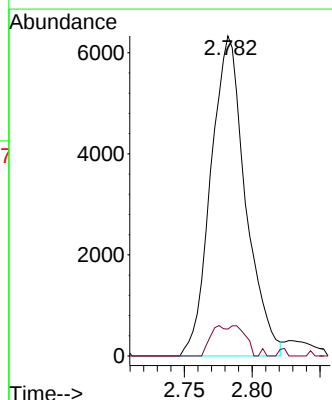
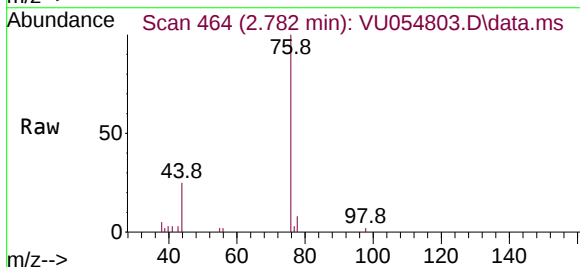
Acq: 18 Jul 2023 12:51

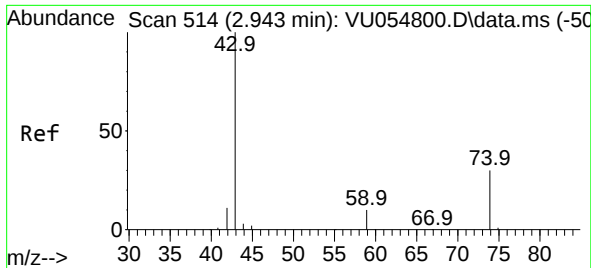
Tgt Ion: 76 Resp: 11253

Ion Ratio Lower Upper

76 100

78 8.4 7.4 11.0

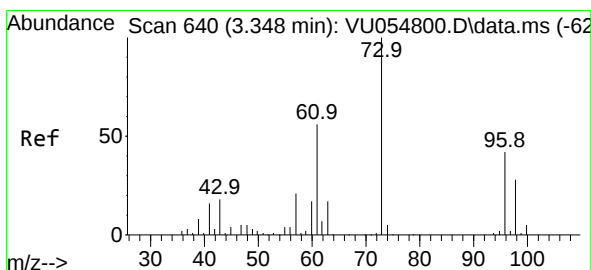
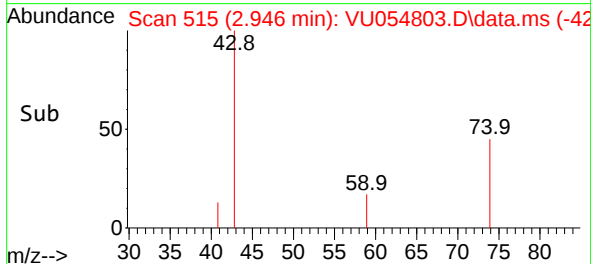
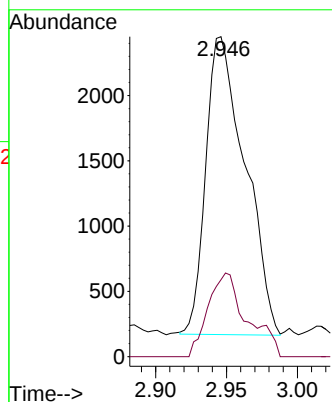
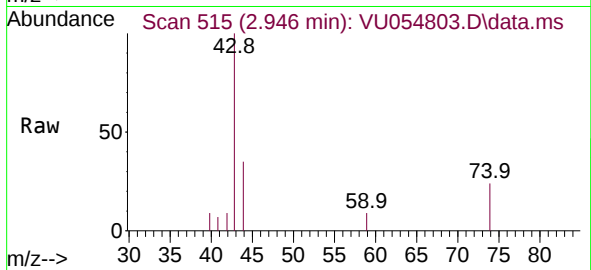




#15
Methyl Acetate
Concen: 2.660 ug/L
RT: 2.946 min Scan# 514
Delta R.T. 0.003 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

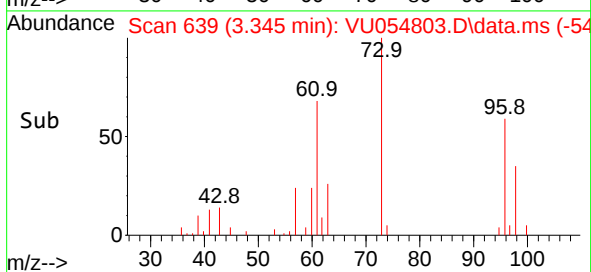
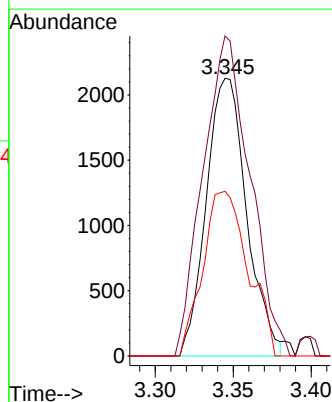
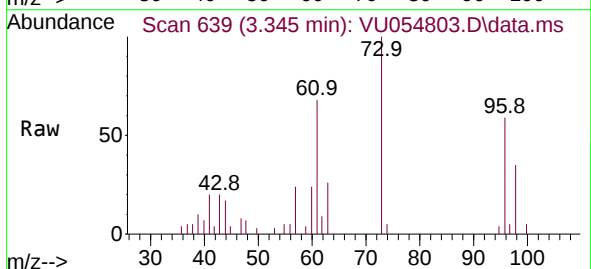
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06

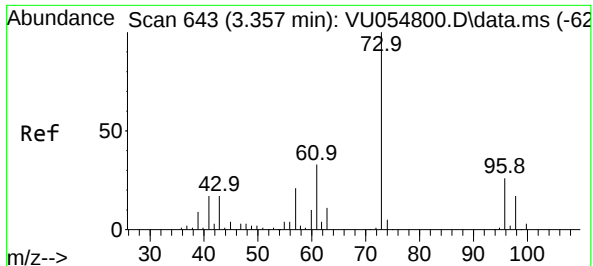
Tgt Ion: 43 Resp: 4402
Ion Ratio Lower Upper
43 100
74 24.3 21.8 32.8



#17
trans-1,2-Dichloroethene
Concen: 2.507 ug/L
RT: 3.345 min Scan# 639
Delta R.T. -0.003 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Tgt Ion: 96 Resp: 3834
Ion Ratio Lower Upper
96 100
61 106.4 93.2 173.2
98 54.7 44.7 82.9

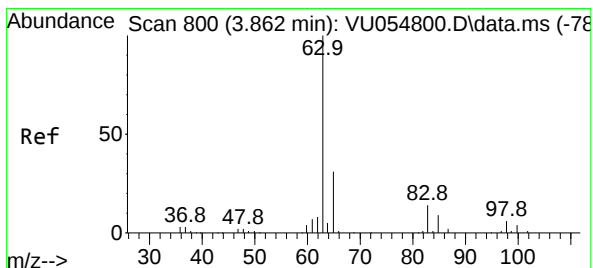
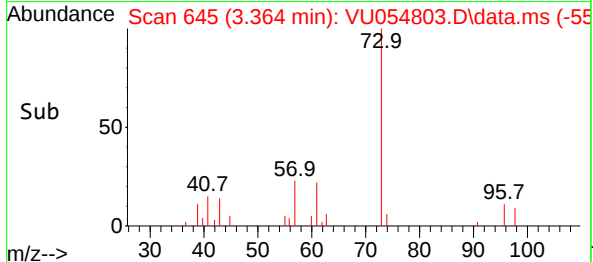
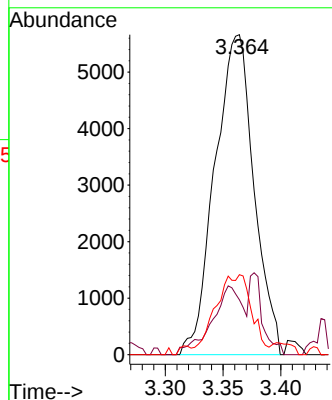
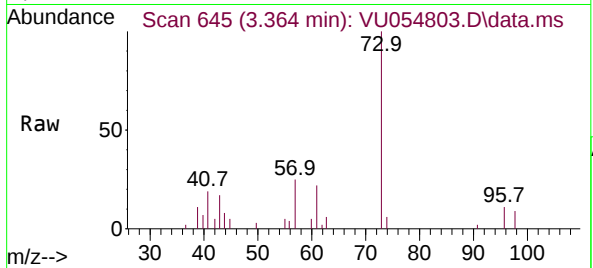




#18
Methyl tert-butyl Ether
Concen: 2.518 ug/L
RT: 3.364 min Scan# 643
Delta R.T. 0.007 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

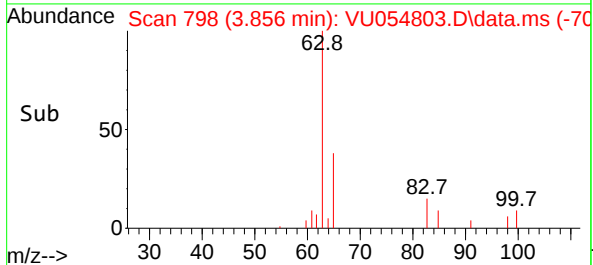
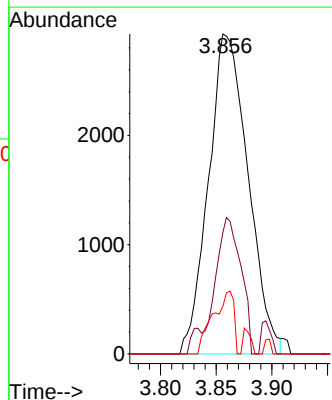
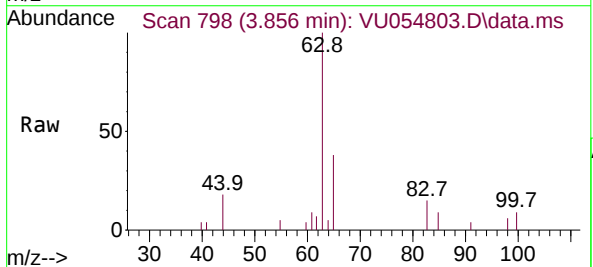
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06

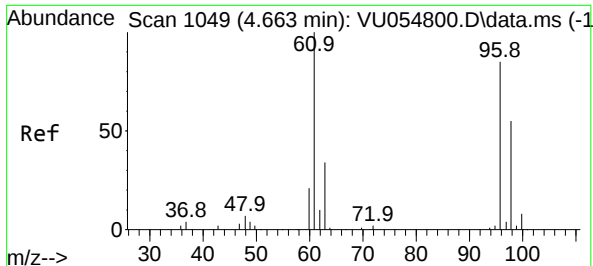
Tgt Ion: 73 Resp: 13328
Ion Ratio Lower Upper
73 100
43 15.1 14.3 21.5
57 11.8 17.4 26.0#



#19
1,1-Dichloroethane
Concen: 2.478 ug/L
RT: 3.856 min Scan# 798
Delta R.T. -0.006 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Tgt Ion: 63 Resp: 7231
Ion Ratio Lower Upper
63 100
65 38.0 22.1 41.1
83 14.9 9.4 17.4





#20

cis-1,2-Dichloroethene

Concen: 2.455 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. -0.003 min

Lab File: VU054803.D

Acq: 18 Jul 2023 12:51

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2023-06

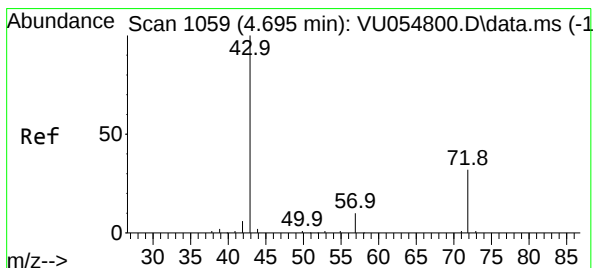
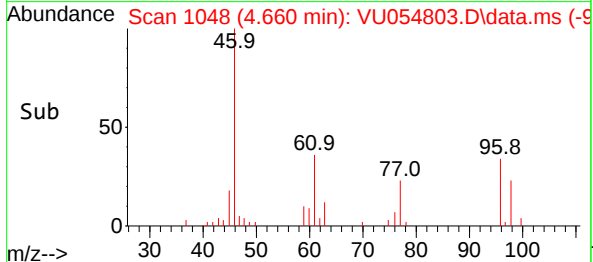
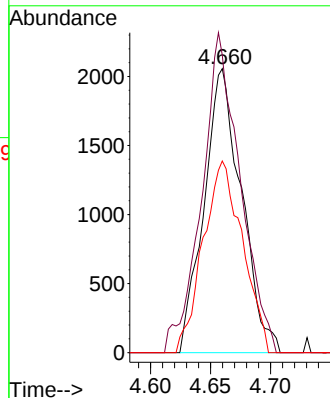
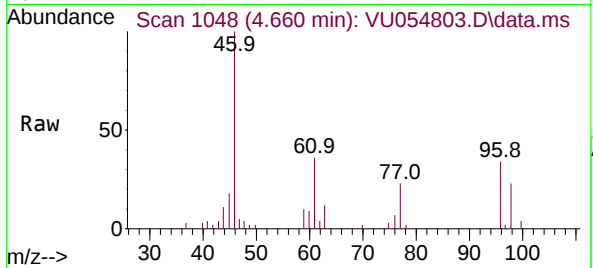
Tgt Ion: 96 Resp: 4462

Ion Ratio Lower Upper

96 100

61 99.6 82.7 153.7

98 64.1 44.4 82.5



#22

2-Butanone

Concen: 2.403 ug/L

RT: 4.714 min Scan# 1065

Delta R.T. 0.019 min

Lab File: VU054803.D

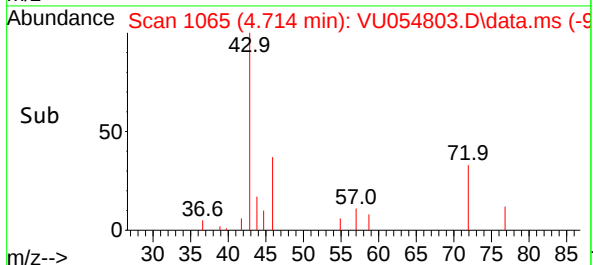
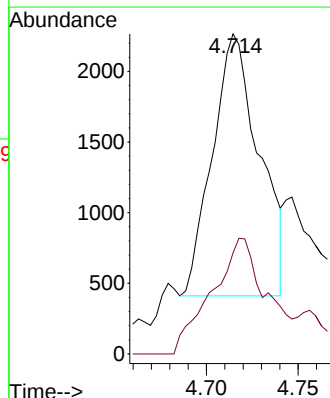
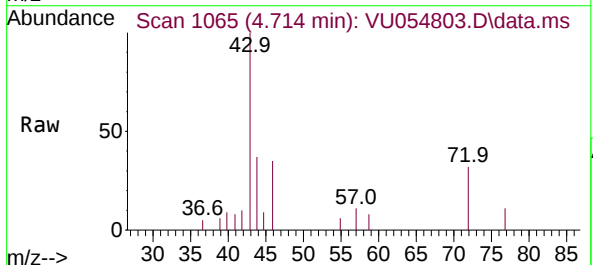
Acq: 18 Jul 2023 12:51

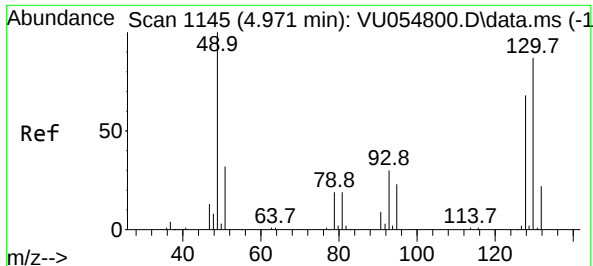
Tgt Ion: 43 Resp: 3291

Ion Ratio Lower Upper

43 100

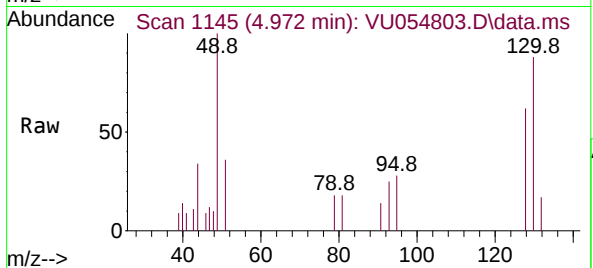
72 41.7 15.2 45.6



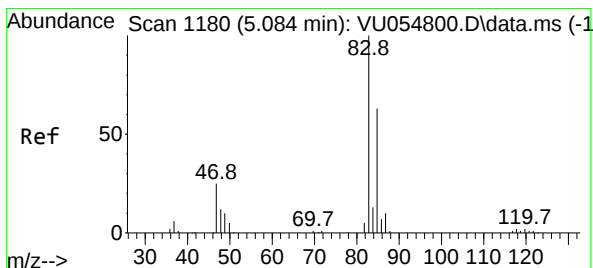
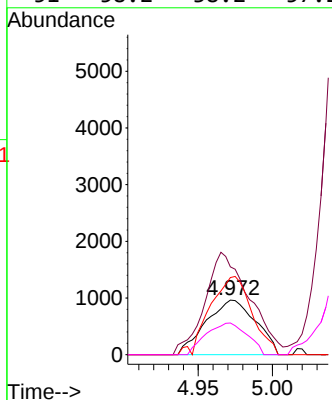
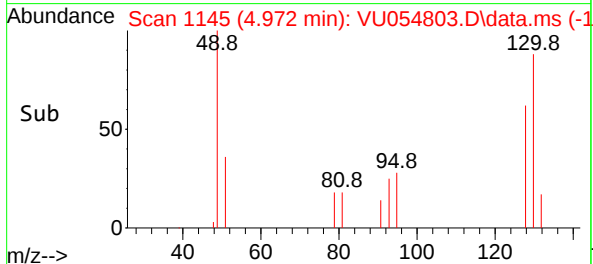


#23
Bromochloromethane
Concen: 2.429 ug/L
RT: 4.972 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

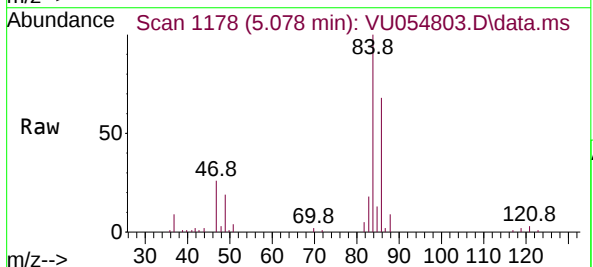
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06



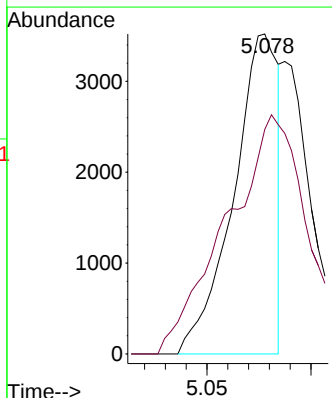
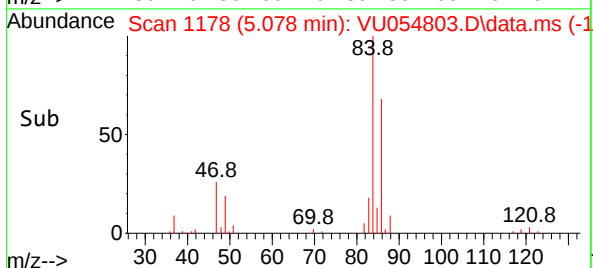
Tgt Ion:128 Resp: 2246
Ion Ratio Lower Upper
128 100
49 161.1 100.6 186.8
130 141.3 83.0 154.1
51 58.2 38.2 57.2#

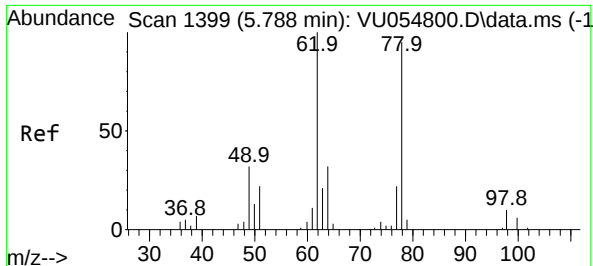


#25
Chloroform
Concen: 1.708 ug/L
RT: 5.078 min Scan# 1178
Delta R.T. -0.006 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51



Tgt Ion: 83 Resp: 5225
Ion Ratio Lower Upper
83 100
85 70.2 44.7 82.9

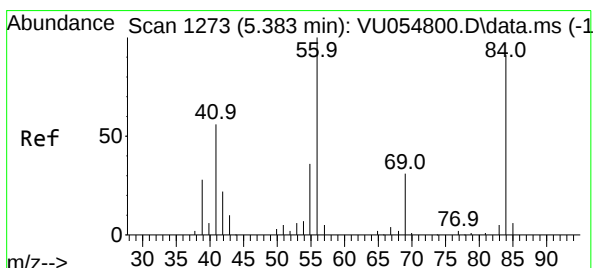
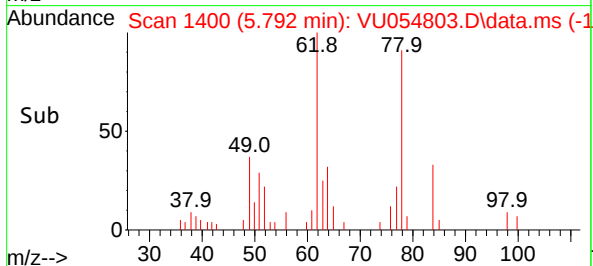
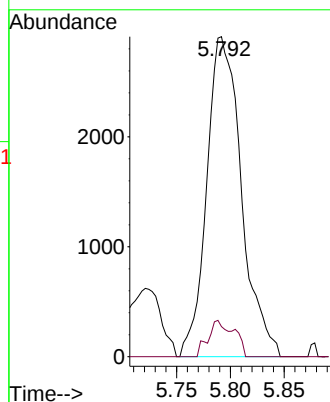
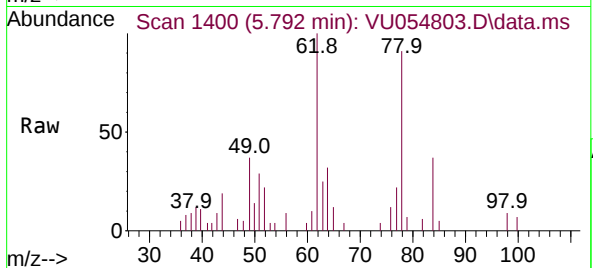




#27
1,2-Dichloroethane
Concen: 2.808 ug/L
RT: 5.792 min Scan# 1400
Delta R.T. 0.003 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

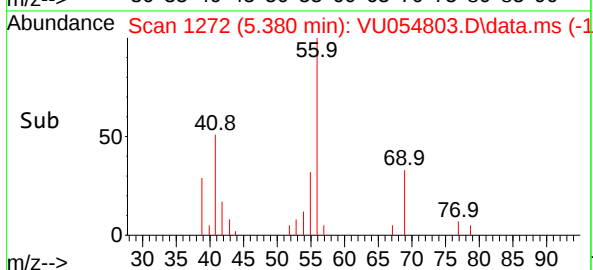
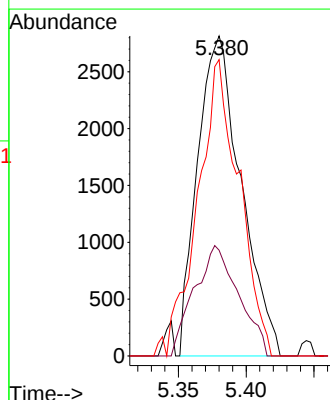
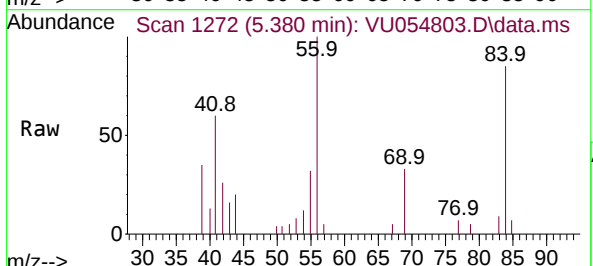
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2023-06

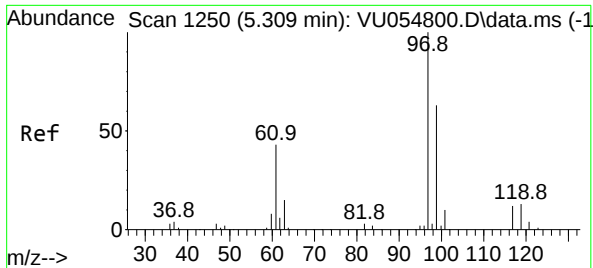
Tgt Ion: 62 Resp: 6525
Ion Ratio Lower Upper
62 100
98 9.4 7.5 11.3



#29
Cyclohexane
Concen: 2.510 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. -0.003 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Tgt Ion: 56 Resp: 6279
Ion Ratio Lower Upper
56 100
69 35.2 25.8 38.8
84 71.0 75.9 113.9#

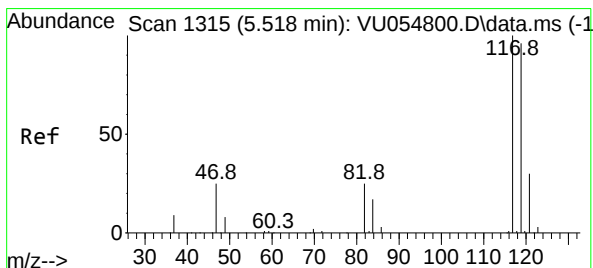
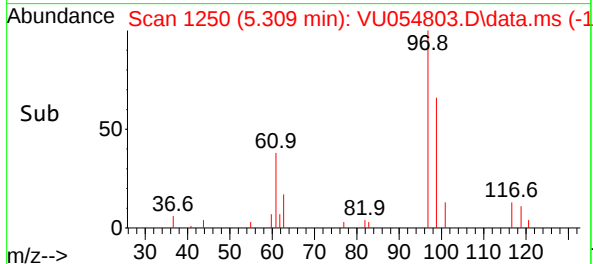
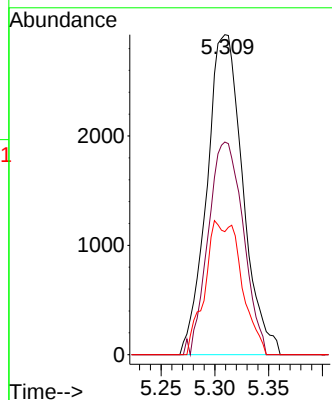
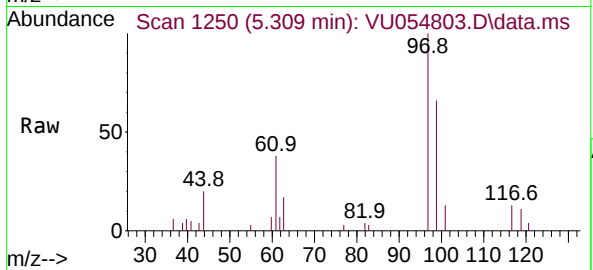




#30
1,1,1-Trichloroethane
Concen: 2.695 ug/L
RT: 5.309 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

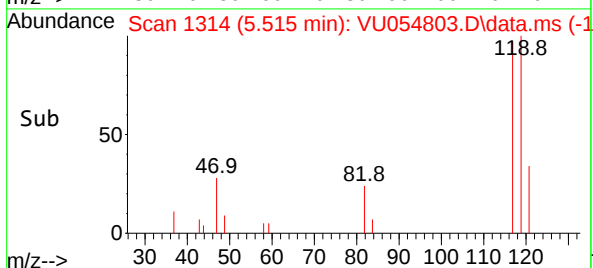
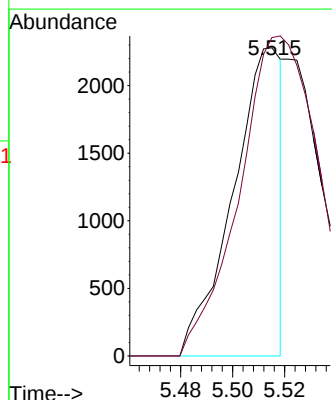
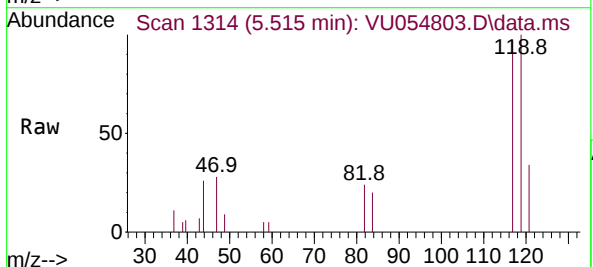
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06

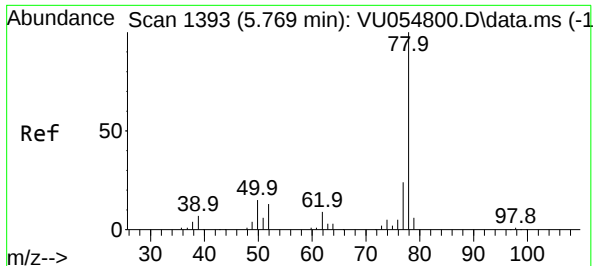
Tgt Ion: 97	Resp: 6804
Ion Ratio	Lower Upper
97 100	
99 64.3	52.0 78.0
61 23.5	34.3 51.5#



#31
Carbon tetrachloride
Concen: 1.355 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. -0.003 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Tgt Ion: 117	Resp: 2955
Ion Ratio	Lower Upper
117 100	
119 175.0	77.4 116.2#

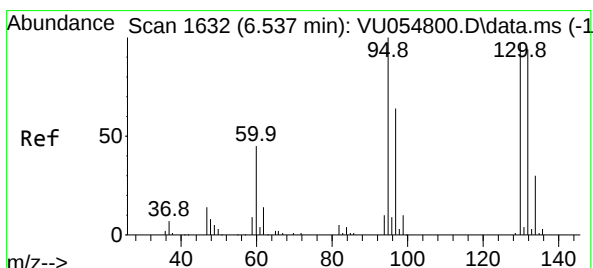
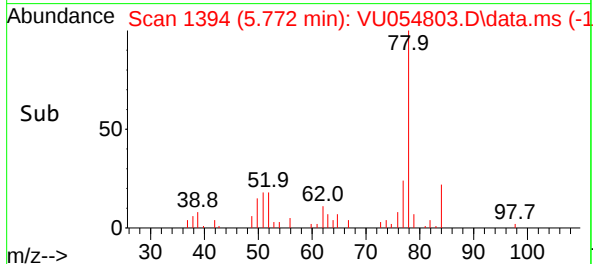
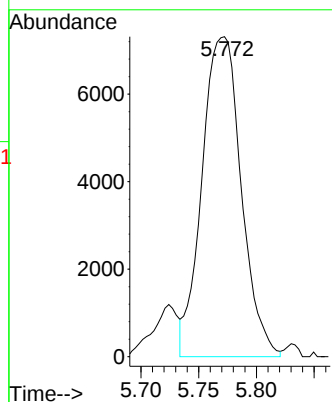
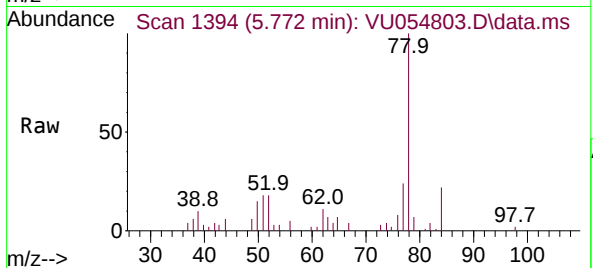




#33
Benzene
Concen: 2.651 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.003 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2023-06

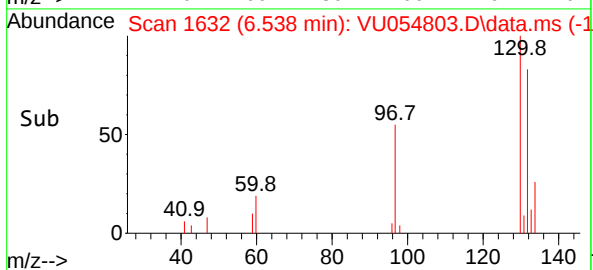
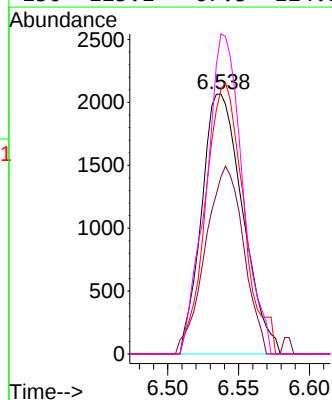
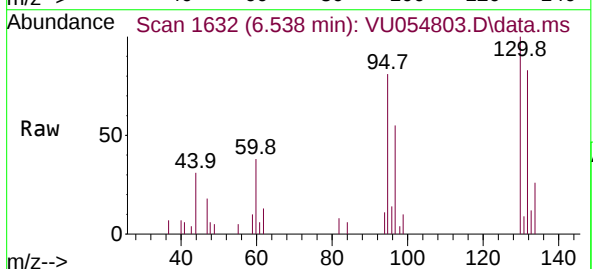
Tgt Ion: 78 Resp: 17283

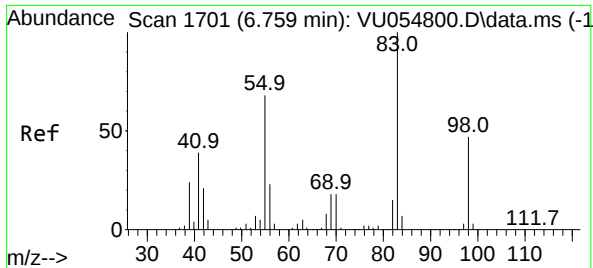


#34
Trichloroethene
Concen: 2.507 ug/L
RT: 6.538 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Tgt Ion: 95 Resp: 4159

Ion	Ratio	Lower	Upper
95	100		
97	68.2	44.0	81.8
132	116.9	67.9	126.1
130	123.1	67.3	124.9

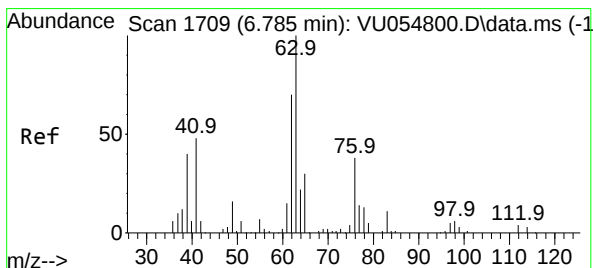
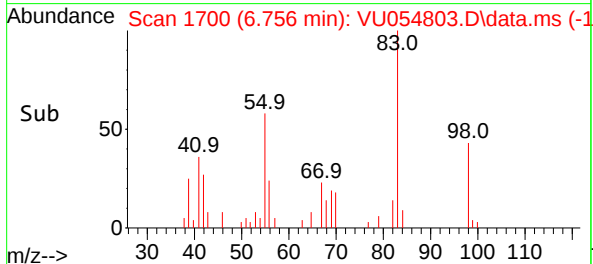
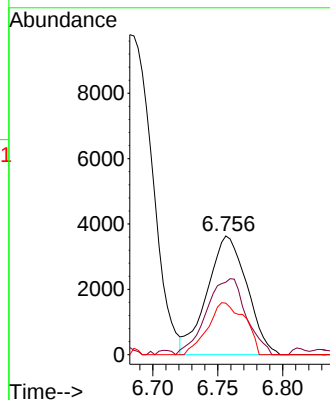
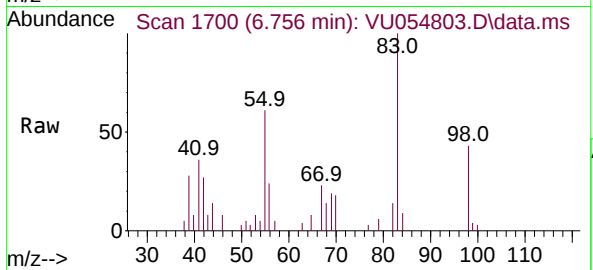




#35
Methylcyclohexane
Concen: 2.849 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.003 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

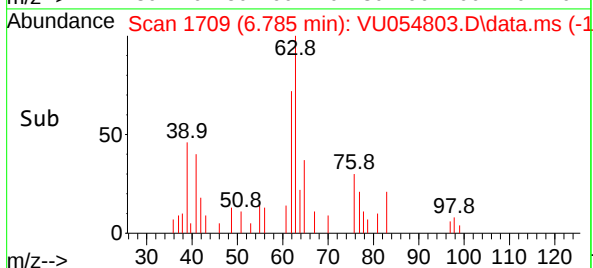
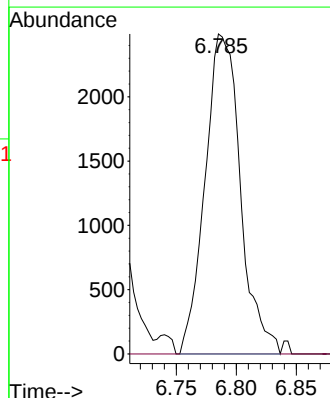
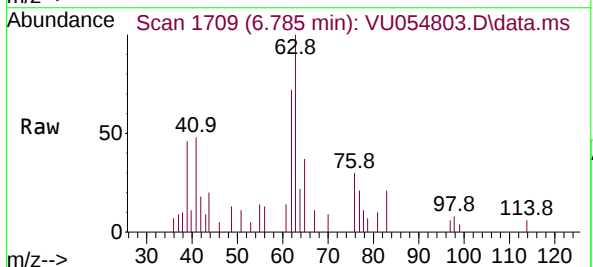
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06

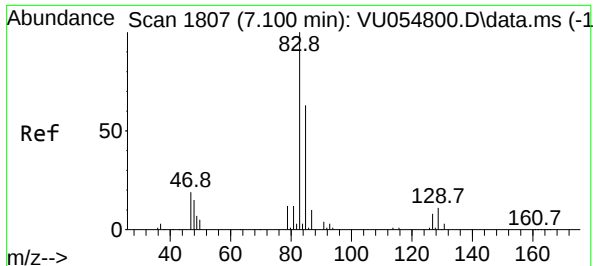
Tgt Ion: 83	Resp:	7725
Ion Ratio	Lower	Upper
83	100	
55	63.8	55.8 83.8
98	40.7	38.6 58.0



#37
1,2-Dichloropropane
Concen: 2.849 ug/L
RT: 6.785 min Scan# 1709
Delta R.T. 0.000 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Tgt Ion: 63	Resp:	5108
Ion Ratio	Lower	Upper
63	100	
112	0.0	3.1 4.7#

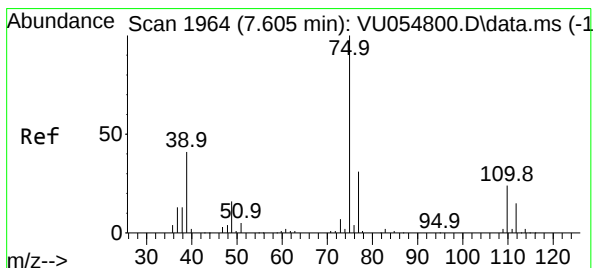
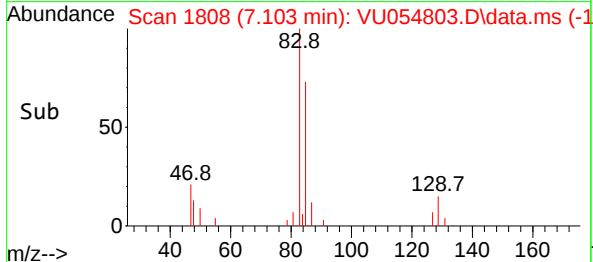
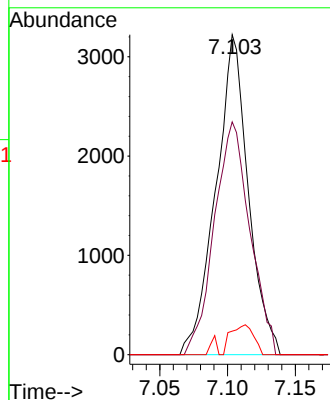
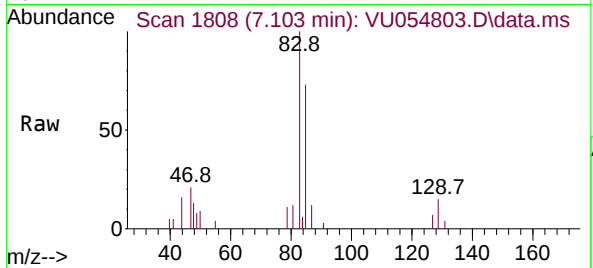




#38
Bromodichloromethane
Concen: 2.332 ug/L
RT: 7.103 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

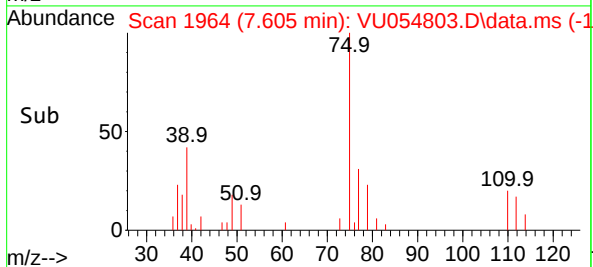
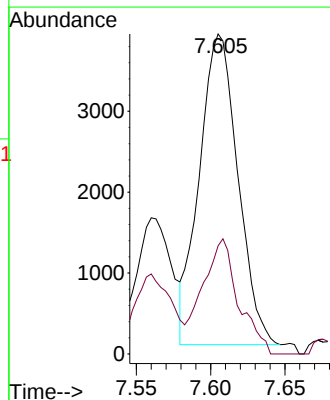
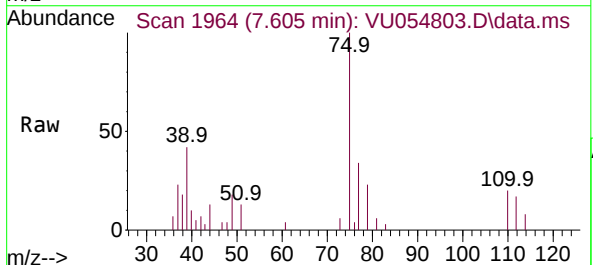
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06

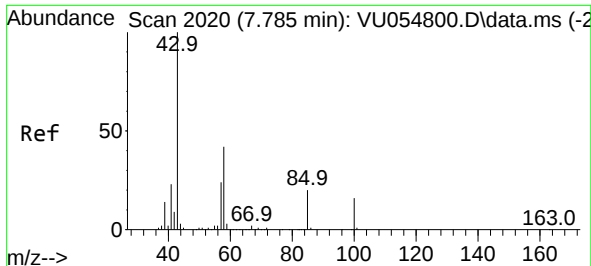
Tgt Ion: 83 Resp: 5364
Ion Ratio Lower Upper
83 100
85 72.7 44.9 83.3
127 7.3 7.2 10.8



#39
cis-1,3-Dichloropropene
Concen: 2.346 ug/L
RT: 7.605 min Scan# 1964
Delta R.T. 0.000 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Tgt Ion: 75 Resp: 6936
Ion Ratio Lower Upper
75 100
77 33.8 21.1 39.1





#40

4-Methyl-2-pentanone

Concen: 5.062 ug/L

RT: 7.792 min Scan# 20

Delta R.T. 0.007 min

Lab File: VU054803.D

Acq: 18 Jul 2023 12:51

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2023-06

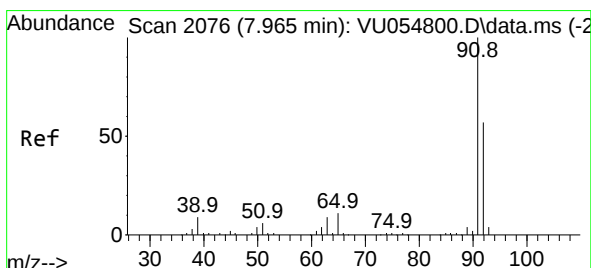
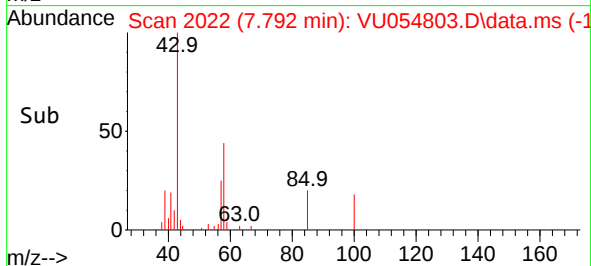
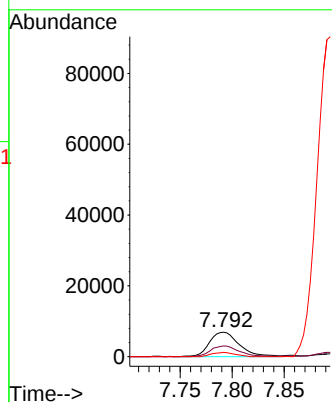
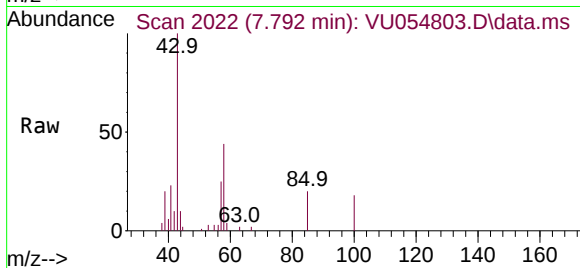
Tgt Ion: 43 Resp: 13894

Ion Ratio Lower Upper

43 100

58 42.2 33.7 50.5

100 13.8 13.0 19.4



#42

Toluene

Concen: 2.427 ug/L

RT: 7.968 min Scan# 2077

Delta R.T. 0.003 min

Lab File: VU054803.D

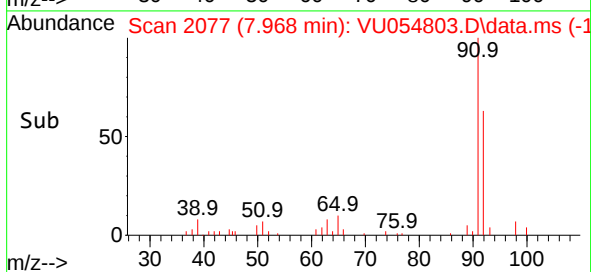
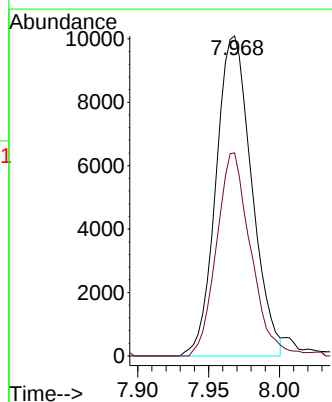
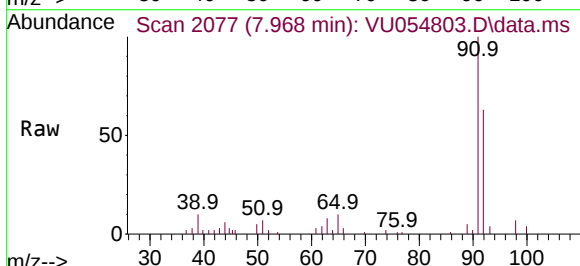
Acq: 18 Jul 2023 12:51

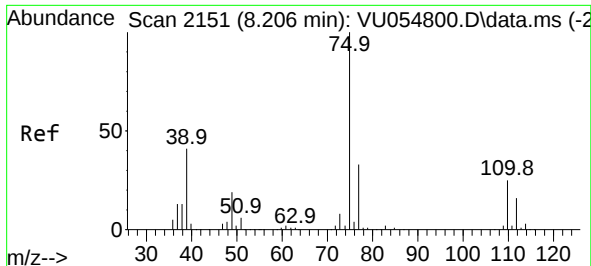
Tgt Ion: 91 Resp: 17701

Ion Ratio Lower Upper

91 100

92 63.4 40.1 74.5

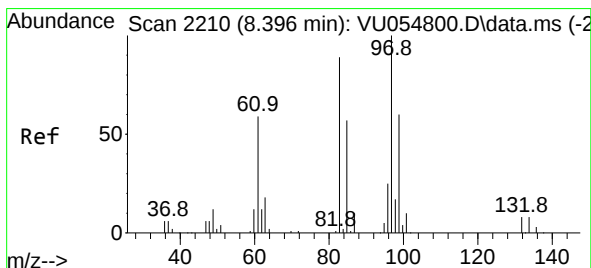
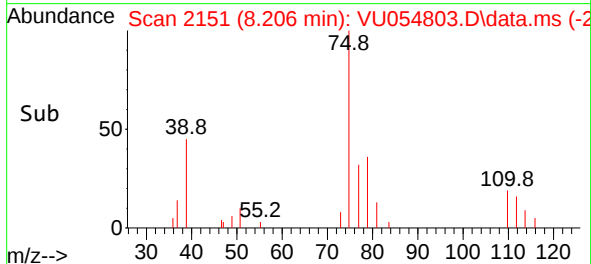
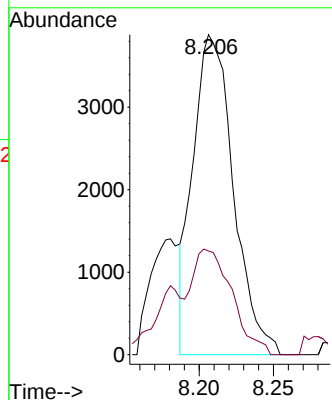
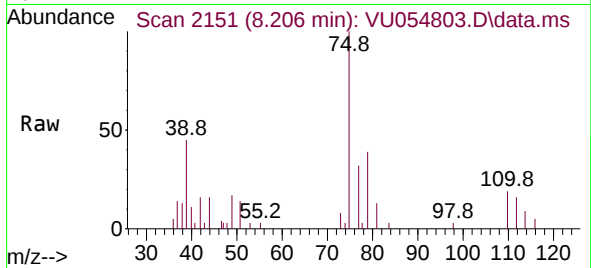




#44
trans-1,3-Dichloropropene
Concen: 2.644 ug/L
RT: 8.206 min Scan# 2151
Delta R.T. 0.000 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

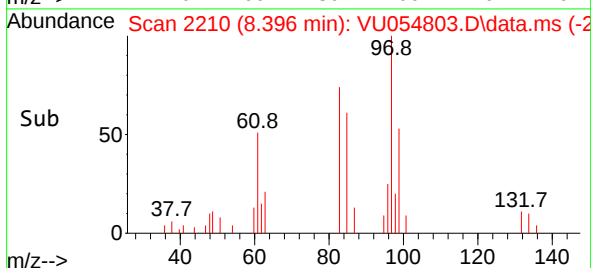
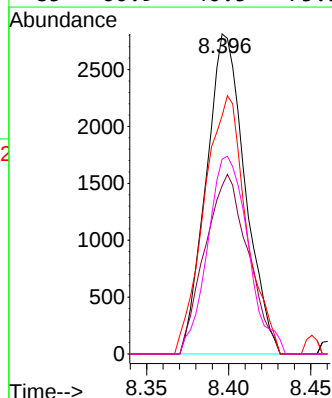
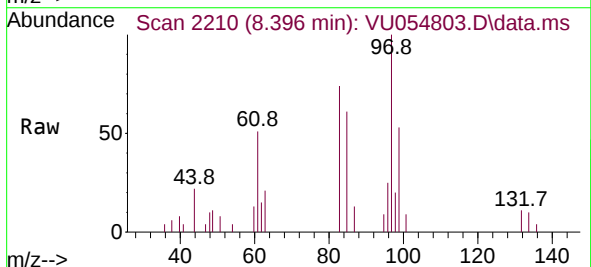
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06

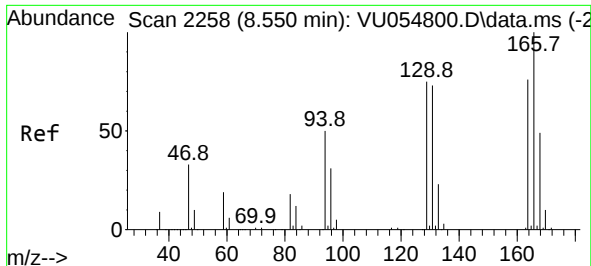
Tgt Ion: 75 Resp: 7346
Ion Ratio Lower Upper
75 100
77 35.6 22.7 42.1



#45
1,1,2-Trichloroethane
Concen: 2.534 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Tgt Ion: 97 Resp: 4632
Ion Ratio Lower Upper
97 100
99 52.6 43.3 80.5
83 74.5 60.6 112.6
85 60.9 40.5 75.3

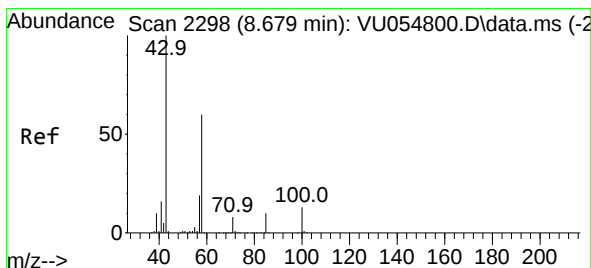
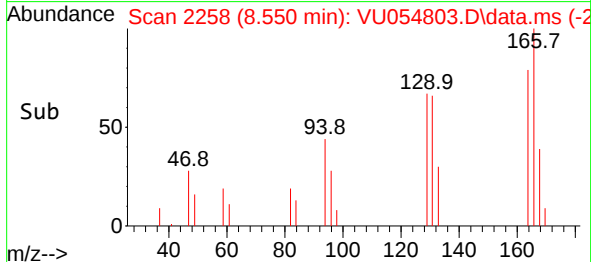
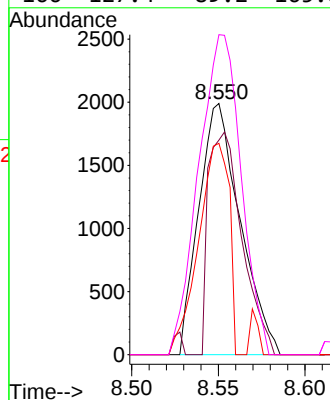
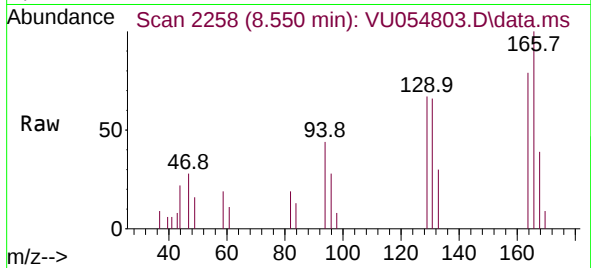




#46
Tetrachloroethene
Concen: 2.595 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

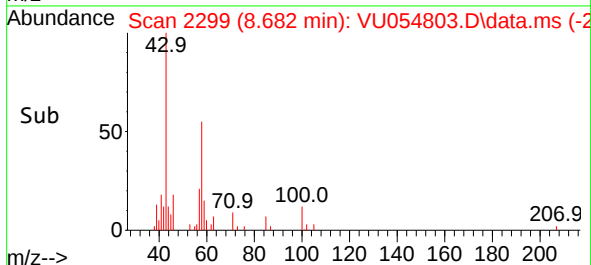
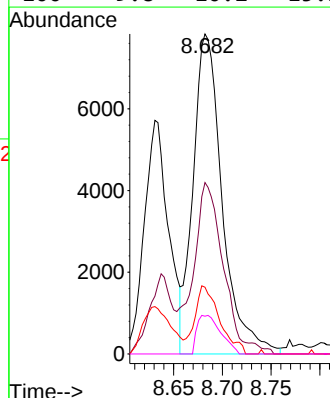
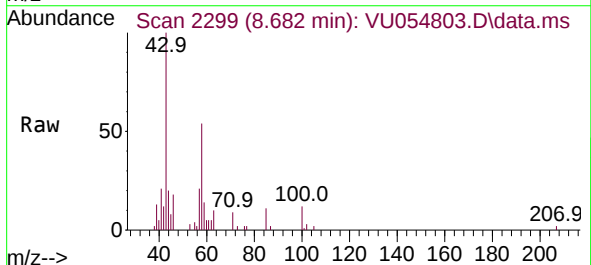
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06

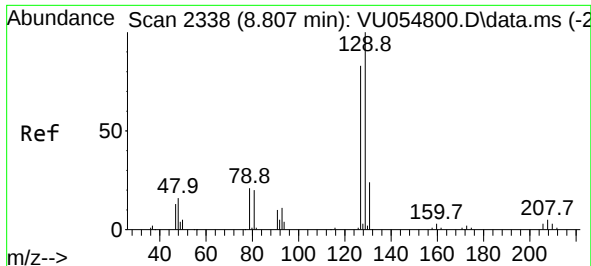
Tgt Ion:164	Resp:	3301	
Ion	Ratio	Lower	Upper
164	100		
129	85.4	66.2	123.0
131	84.2	61.9	115.1
166	127.4	89.2	165.8



#48
2-Hexanone
Concen: 7.179 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.003 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Tgt	Ion: 43	Resp:	16325
Ion	Ratio	Lower	Upper
43	100		
58	44.8	46.5	69.7#
57	13.5	15.4	23.2#
100	9.8	10.2	15.2#





#49

Dibromochloromethane

Concen: 2.391 ug/L

RT: 8.808 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054803.D

Acq: 18 Jul 2023 12:51

Instrument :

MSVOA_U

ClientSampleId :

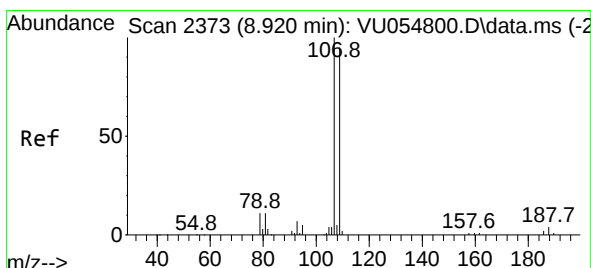
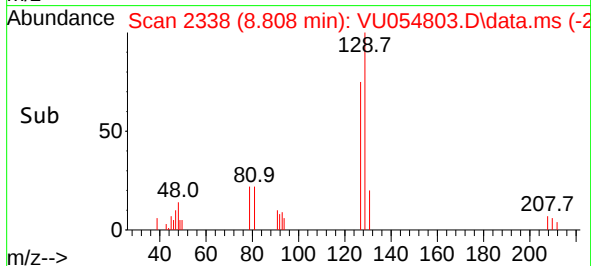
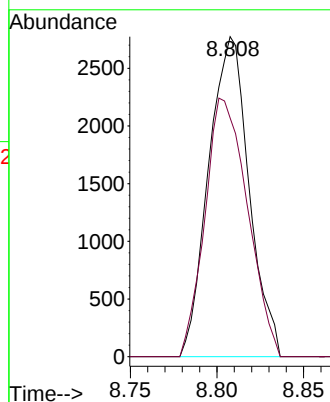
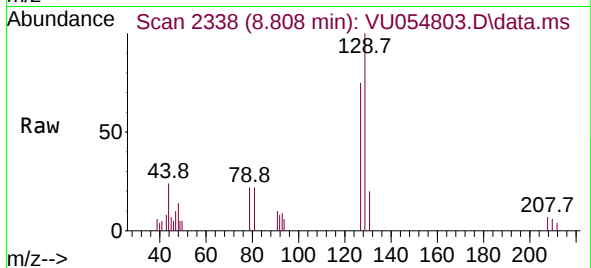
MDL-WATER-QT3-2023-06

Tgt Ion:129 Resp: 4502

Ion Ratio Lower Upper

129 100

127 74.6 54.4 101.0



#50

1,2-Dibromoethane

Concen: 2.452 ug/L

RT: 8.920 min Scan# 2373

Delta R.T. 0.000 min

Lab File: VU054803.D

Acq: 18 Jul 2023 12:51

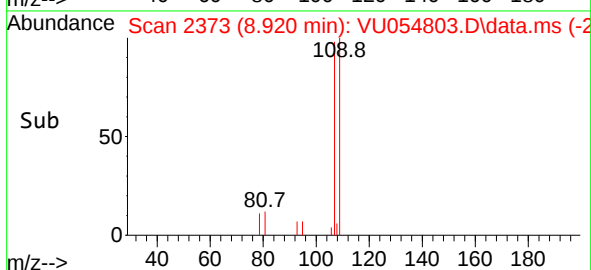
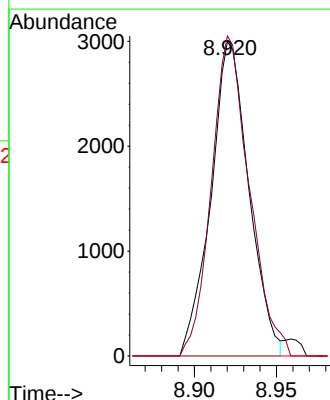
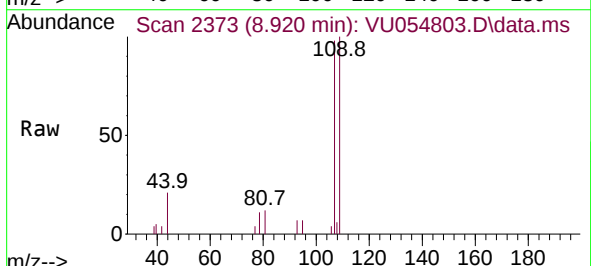
Tgt Ion:107 Resp: 4824

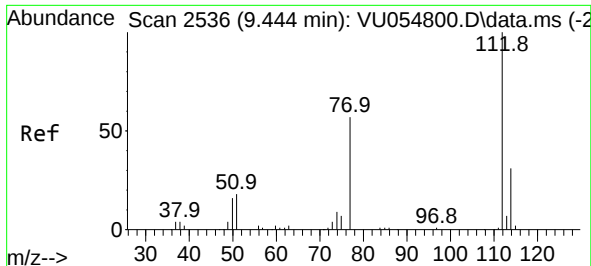
Ion Ratio Lower Upper

107 100

109 101.8 62.5 116.1

188 0.0 2.6 4.0#

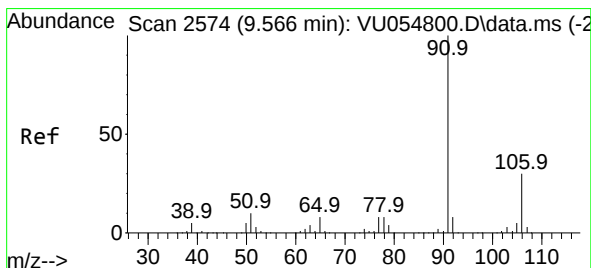
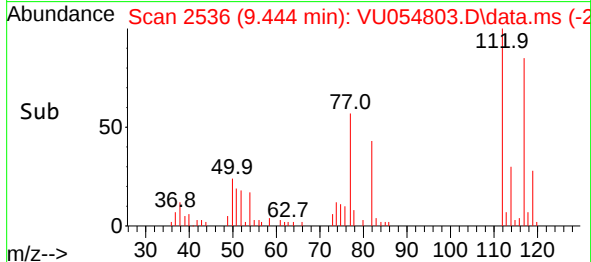
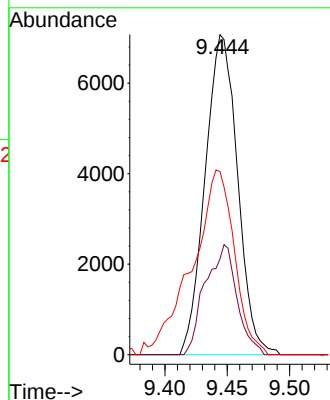
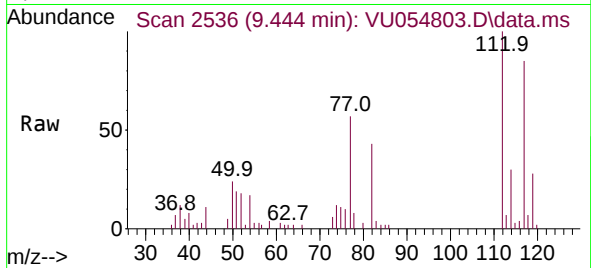




#51
Chlorobenzene
Concen: 2.700 ug/L
RT: 9.444 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

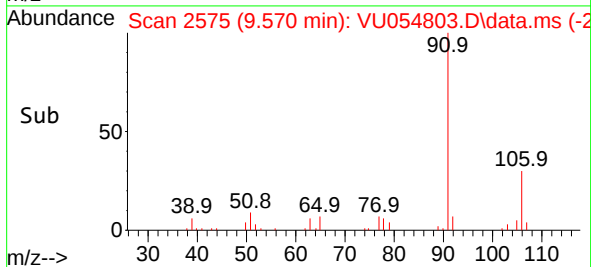
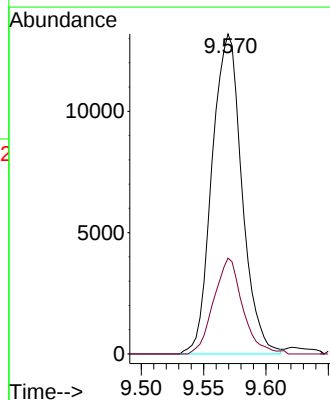
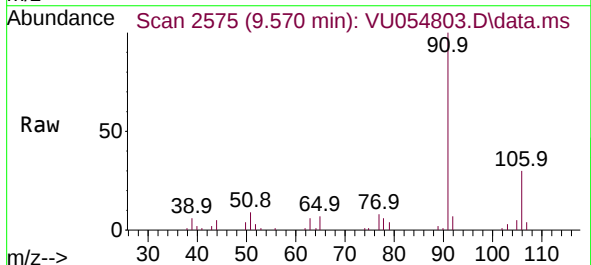
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06

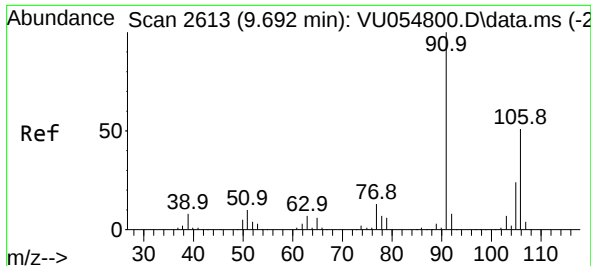
Tgt Ion:112 Resp: 12810
Ion Ratio Lower Upper
112 100
114 30.9 22.3 41.5
77 60.9 44.2 66.4



#52
Ethylbenzene
Concen: 2.616 ug/L
RT: 9.570 min Scan# 2575
Delta R.T. 0.003 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Tgt Ion: 91 Resp: 22059
Ion Ratio Lower Upper
91 100
106 34.1 23.5 43.7

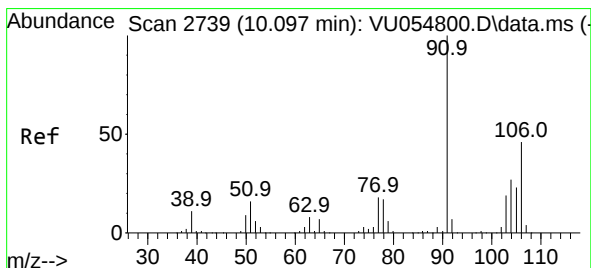
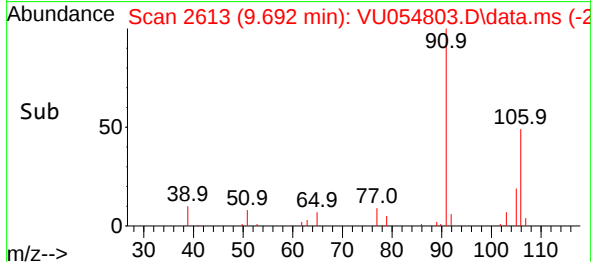
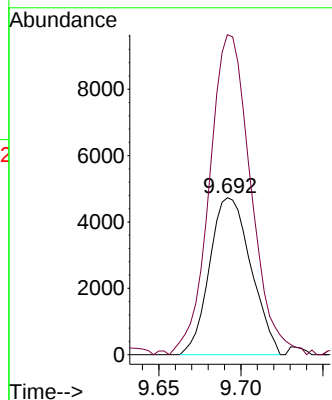
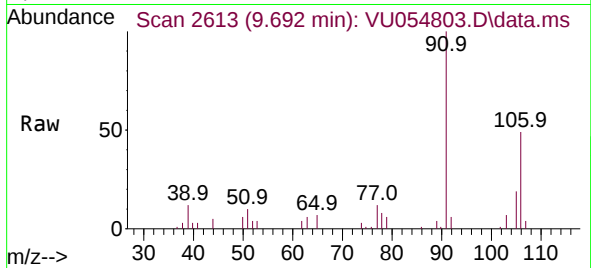




#53
m,p-Xylene
Concen: 2.584 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

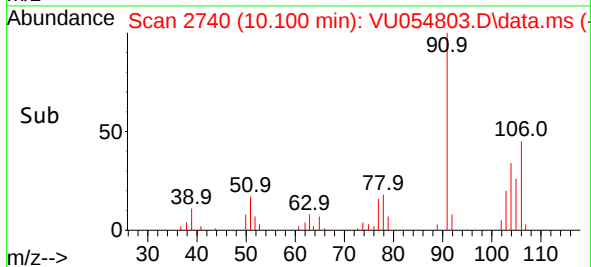
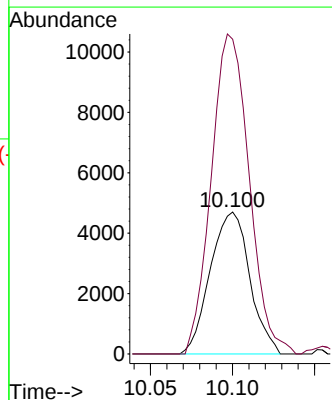
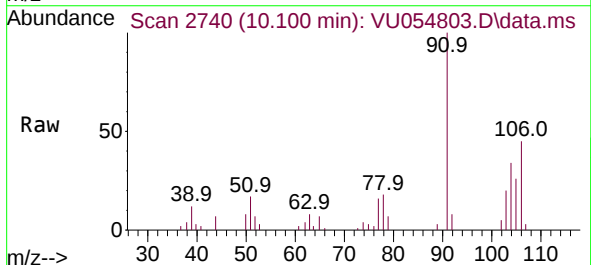
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06

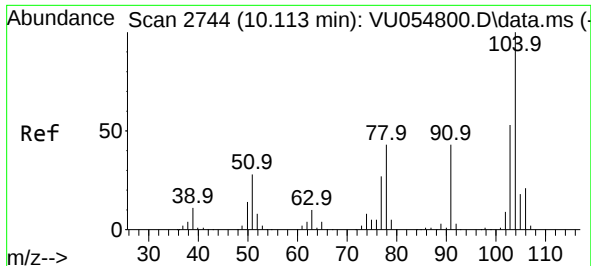
Tgt Ion:106 Resp: 8297
Ion Ratio Lower Upper
106 100
91 189.3 133.3 247.7



#54
o-Xylene
Concen: 2.412 ug/L
RT: 10.100 min Scan# 2740
Delta R.T. 0.003 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Tgt Ion:106 Resp: 7866
Ion Ratio Lower Upper
106 100
91 207.2 142.0 263.8

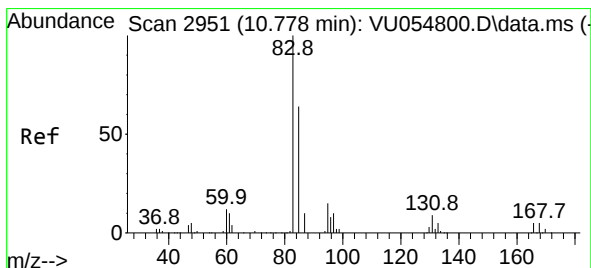
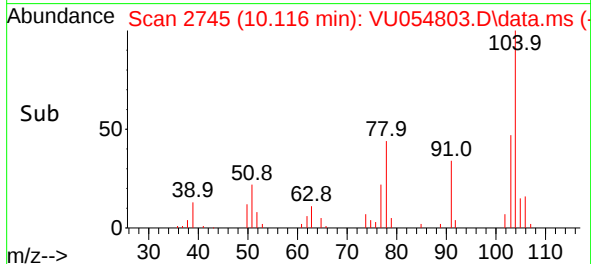
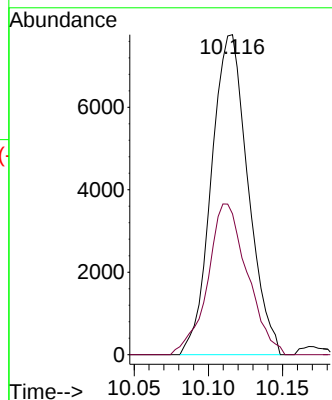
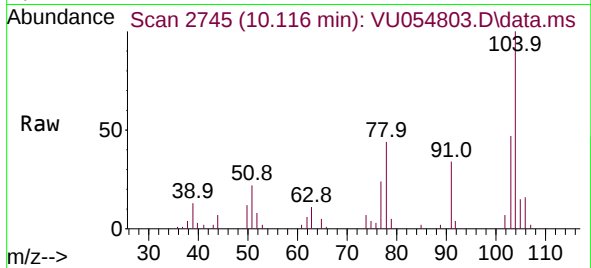




#55
Styrene
Concen: 2.341 ug/L
RT: 10.116 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

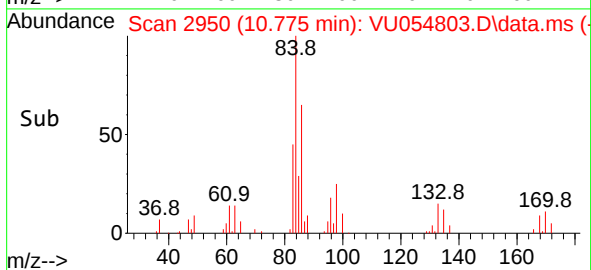
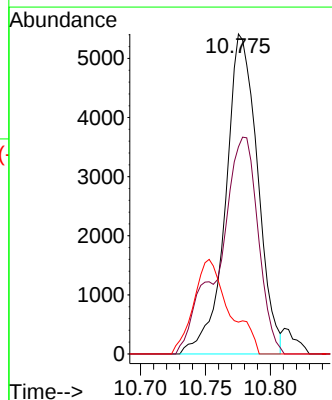
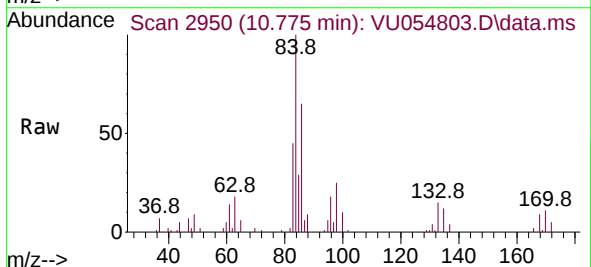
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06

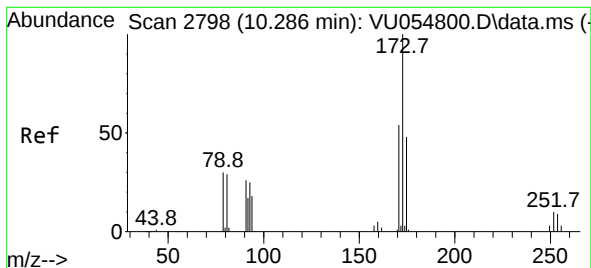
Tgt Ion:104 Resp: 13297
Ion Ratio Lower Upper
104 100
78 44.0 30.7 57.1



#57
1,1,2,2-Tetrachloroethane
Concen: 2.564 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. -0.003 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Tgt Ion: 83 Resp: 9252
Ion Ratio Lower Upper
83 100
85 64.7 43.8 81.4
131 13.3 8.7 13.1#





#59

Bromoform

Concen: 2.013 ug/L

RT: 10.290 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU054803.D

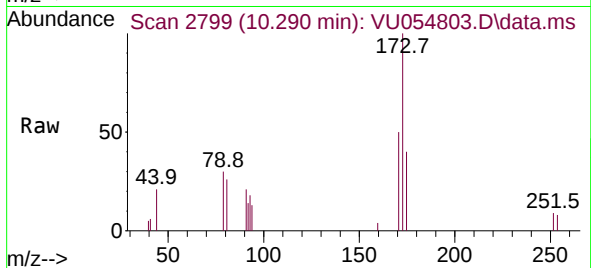
Acq: 18 Jul 2023 12:51

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2023-06



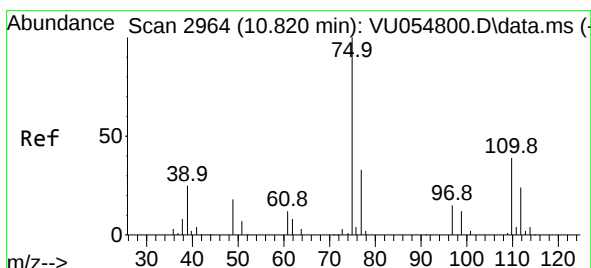
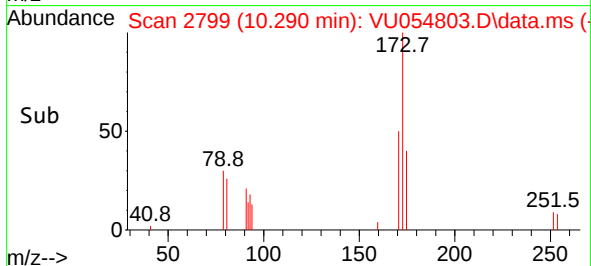
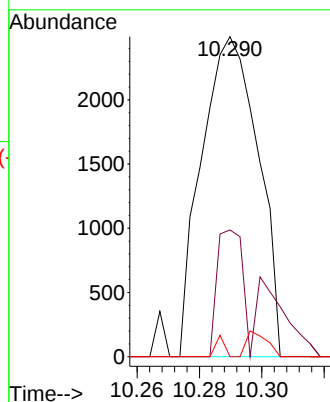
Tgt Ion:173 Resp: 3137

Ion Ratio Lower Upper

173 100

175 17.7 38.8 58.2#

254 0.0 2.4 3.6#



#60

1,2,3-Trichloropropane

Concen: 2.629 ug/L

RT: 10.820 min Scan# 2964

Delta R.T. 0.000 min

Lab File: VU054803.D

Acq: 18 Jul 2023 12:51

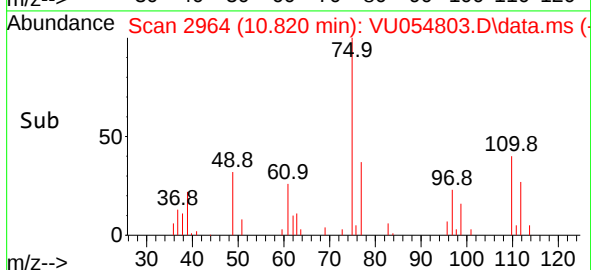
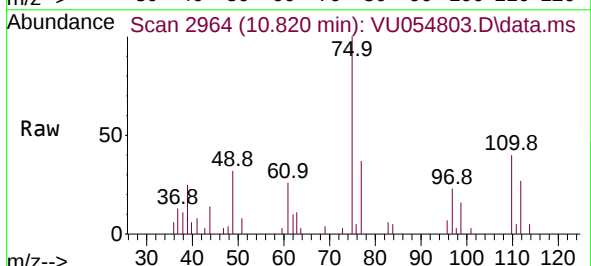
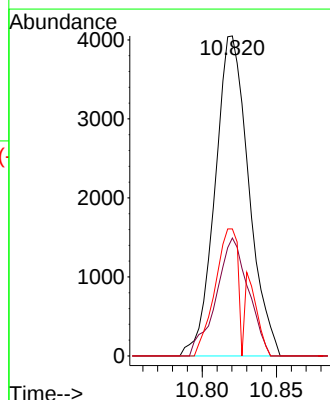
Tgt Ion: 75 Resp: 6389

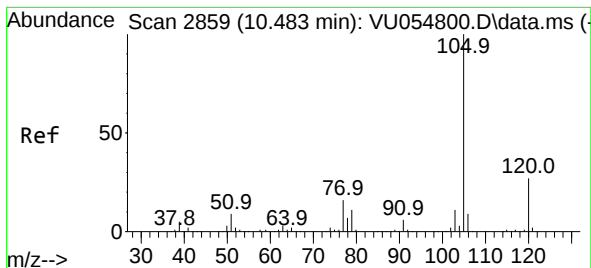
Ion Ratio Lower Upper

75 100

77 35.1 26.2 39.4

110 26.7 29.9 44.9#





#61

Isopropylbenzene

Concen: 2.621 ug/L

RT: 10.479 min Scan# 21567

Delta R.T. -0.003 min

Lab File: VU054803.D

Acq: 18 Jul 2023 12:51

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2023-06

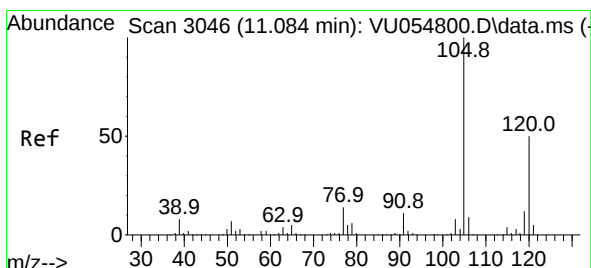
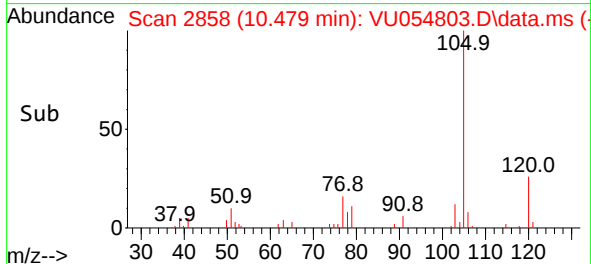
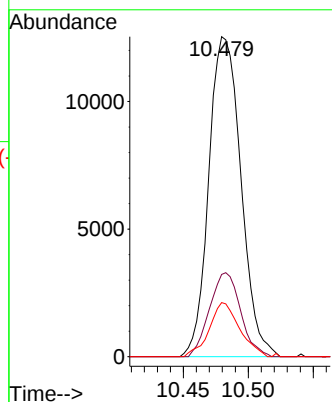
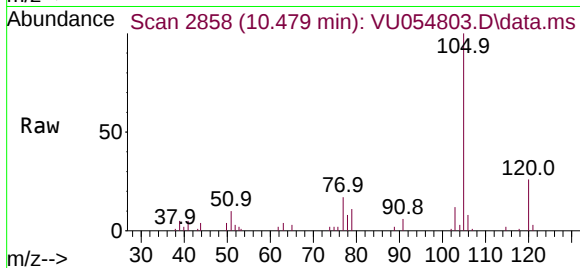
Tgt Ion:105 Resp: 21567

Ion Ratio Lower Upper

105 100

120 25.3 21.4 32.0

77 16.0 12.8 19.2



#62

1,3,5-Trimethylbenzene

Concen: 2.461 ug/L

RT: 11.087 min Scan# 3047

Delta R.T. 0.003 min

Lab File: VU054803.D

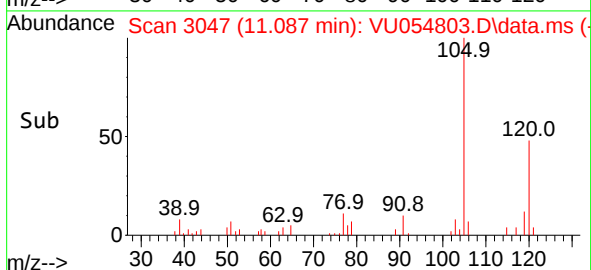
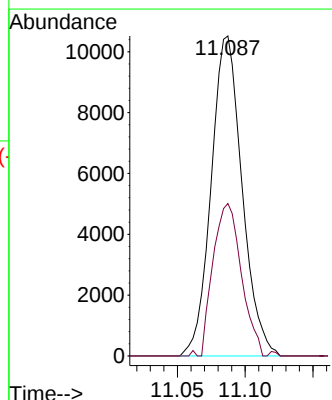
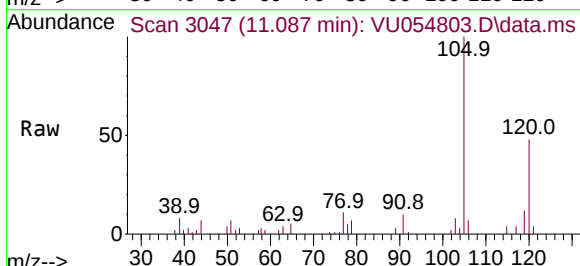
Acq: 18 Jul 2023 12:51

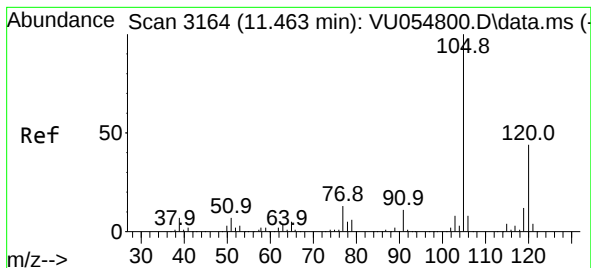
Tgt Ion:105 Resp: 16682

Ion Ratio Lower Upper

105 100

120 43.5 38.0 57.0





#63

1,2,4-Trimethylbenzene

Concen: 2.432 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VU054803.D

Acq: 18 Jul 2023 12:51

Instrument :

MSVOA_U

ClientSampleId :

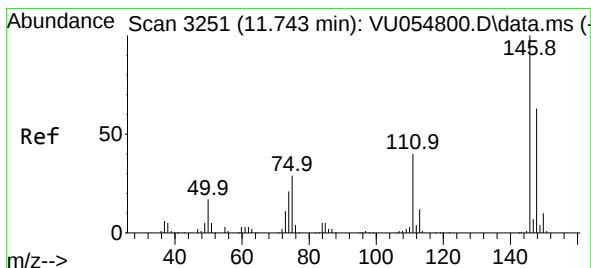
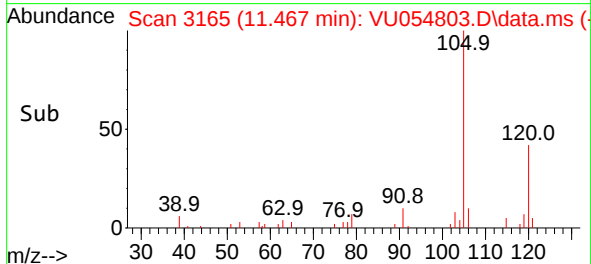
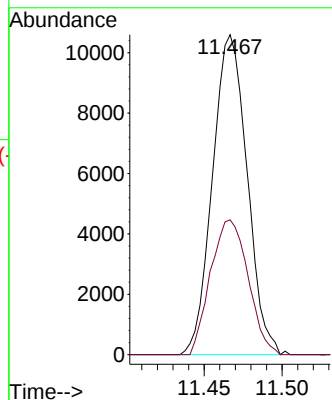
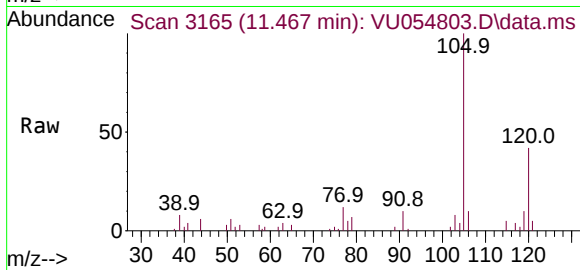
MDL-WATER-QT3-2023-06

Tgt Ion:105 Resp: 16335

Ion Ratio Lower Upper

105 100

120 45.8 36.2 54.2



#64

1,3-Dichlorobenzene

Concen: 2.249 ug/L

RT: 11.746 min Scan# 3252

Delta R.T. 0.003 min

Lab File: VU054803.D

Acq: 18 Jul 2023 12:51

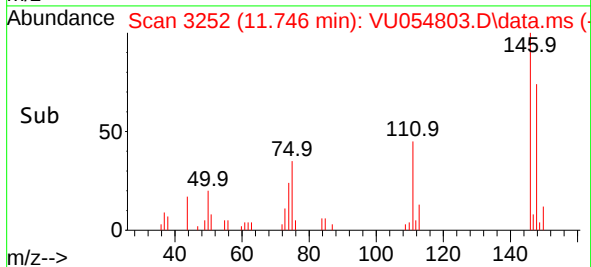
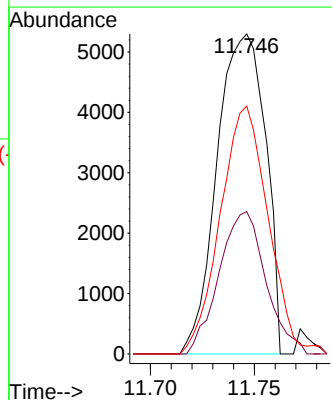
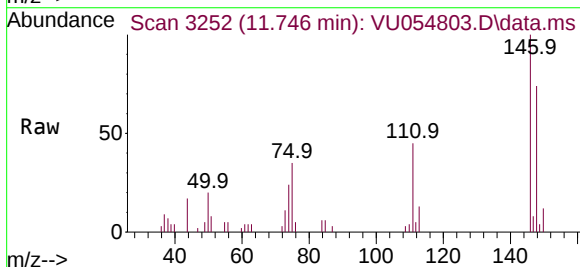
Tgt Ion:146 Resp: 8583

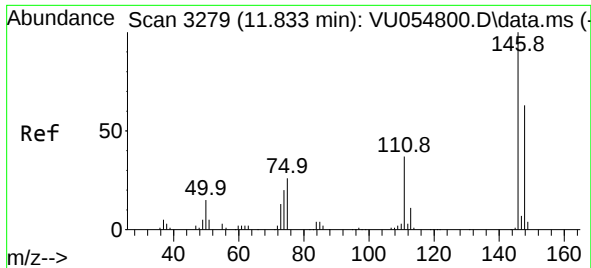
Ion Ratio Lower Upper

146 100

111 45.5 25.2 46.8

148 71.8 44.4 82.4

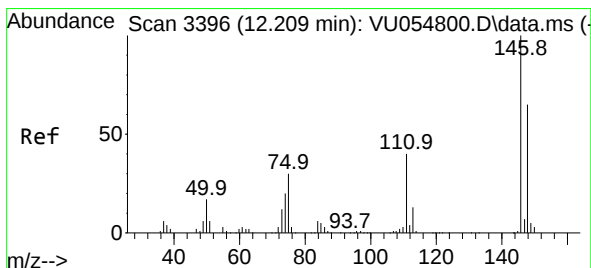
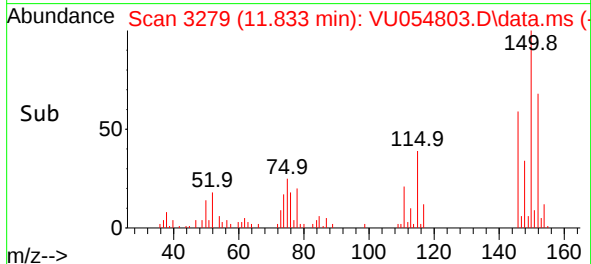
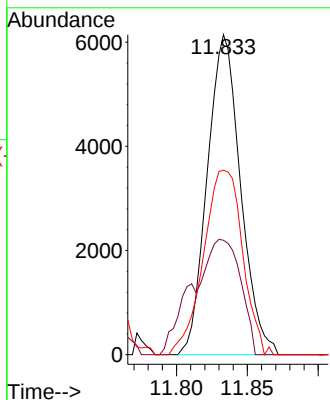
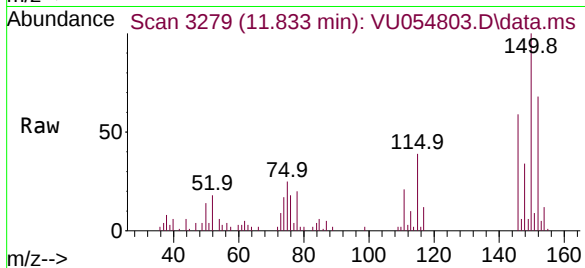




#65
1,4-Dichlorobenzene
Concen: 2.612 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

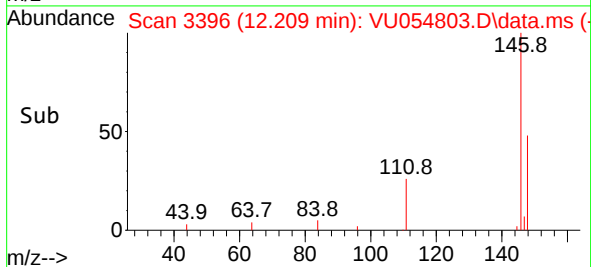
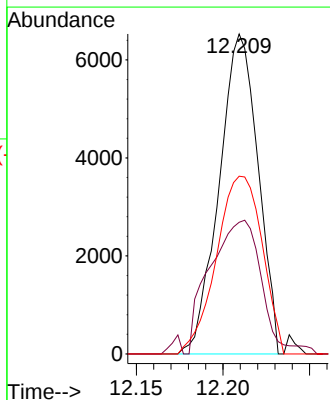
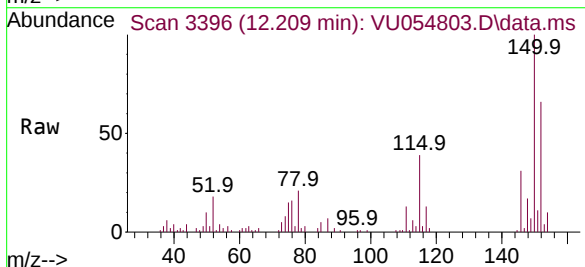
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06

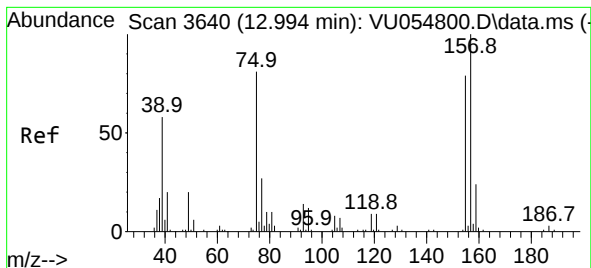
Tgt Ion:146 Resp: 10043
Ion Ratio Lower Upper
146 100
111 32.5 24.1 44.8
148 52.4 41.0 76.2



#67
1,2-Dichlorobenzene
Concen: 2.660 ug/L
RT: 12.209 min Scan# 3396
Delta R.T. 0.000 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Tgt Ion:146 Resp: 10200
Ion Ratio Lower Upper
146 100
111 42.1 31.5 47.3
148 74.2 53.5 80.3

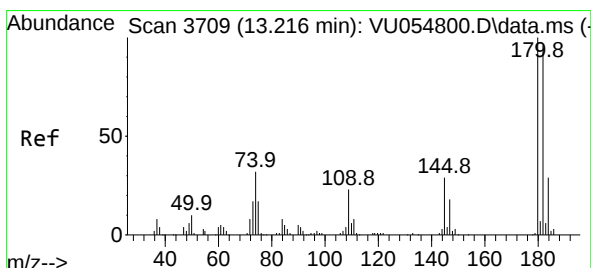
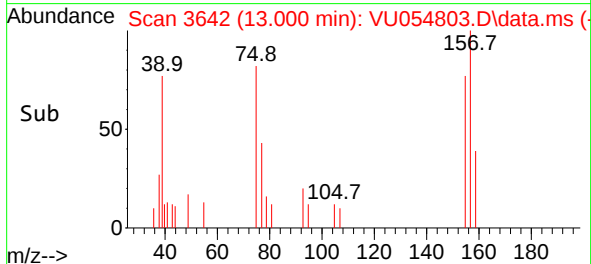
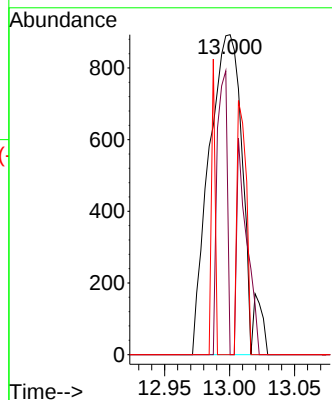
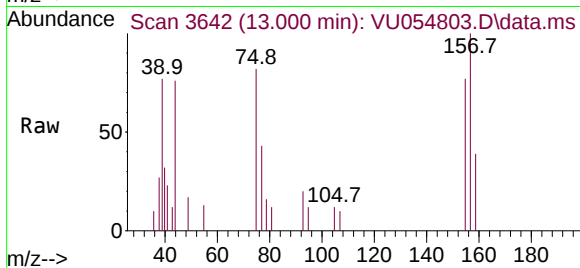




#68
1,2-Dibromo-3-chloropropane
Concen: 2.494 ug/L
RT: 13.000 min Scan# 3710
Delta R.T. 0.007 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

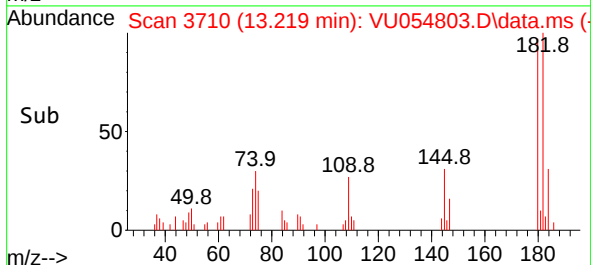
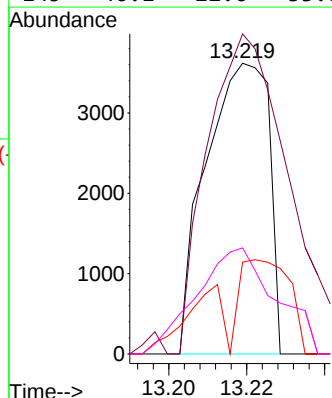
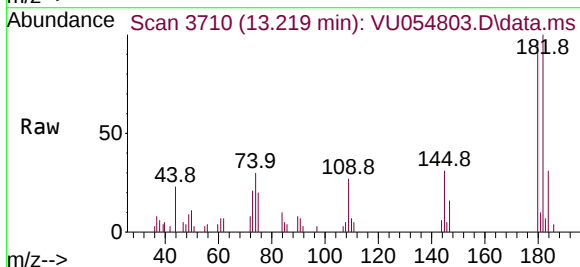
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06

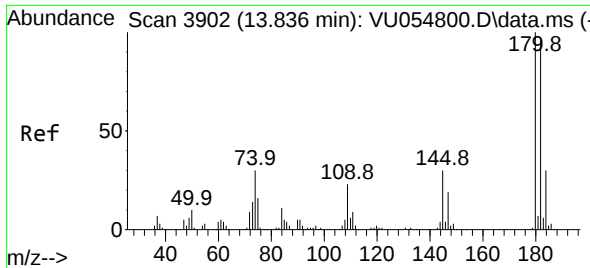
Tgt Ion: 75 Resp: 1620
Ion Ratio Lower Upper
75 100
155 0.0 80.6 121.0#
157 0.0 106.5 159.7#



#69
1,3,5-Trichlorobenzene
Concen: 1.584 ug/L
RT: 13.219 min Scan# 3710
Delta R.T. 0.003 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Tgt Ion: 180 Resp: 4052
Ion Ratio Lower Upper
180 100
182 144.6 76.7 115.1#
184 25.7 23.4 35.0
145 46.1 22.6 33.8#

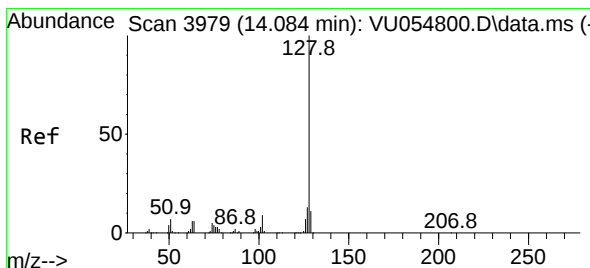
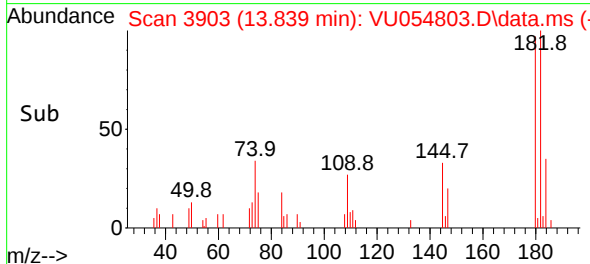
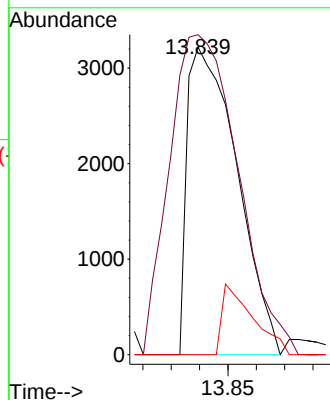
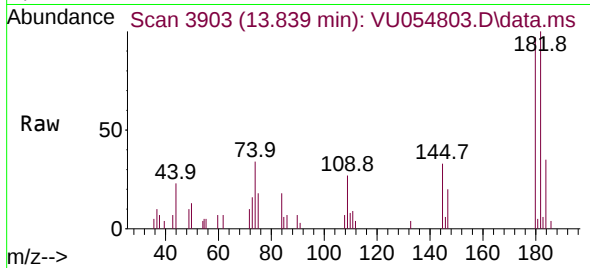




#70
1,2,4-trichlorobenzene
Concen: 1.777 ug/L
RT: 13.839 min Scan# 3902
Delta R.T. 0.003 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

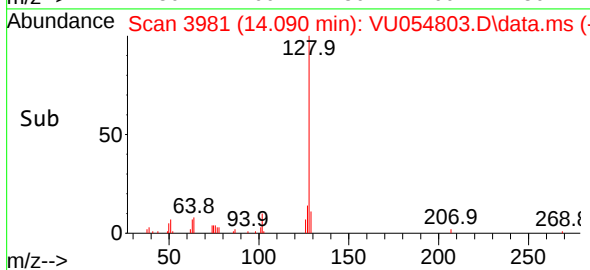
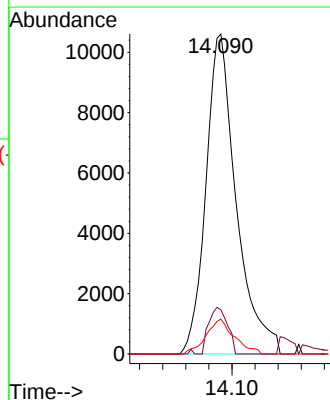
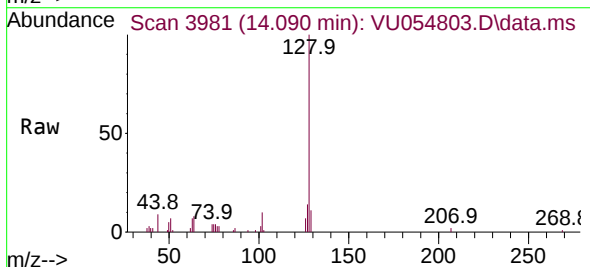
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06

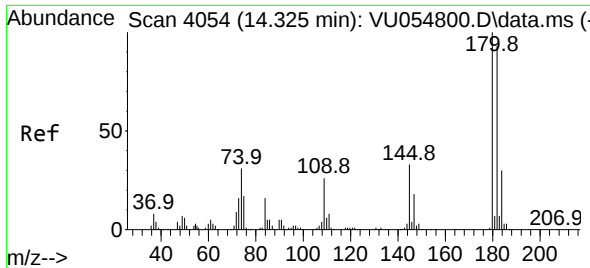
Tgt Ion:180 Resp: 3926
Ion Ratio Lower Upper
180 100
182 143.7 76.8 115.2#
145 14.3 23.0 34.6#



#71
Naphthalene
Concen: 2.664 ug/L
RT: 14.090 min Scan# 3981
Delta R.T. 0.007 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

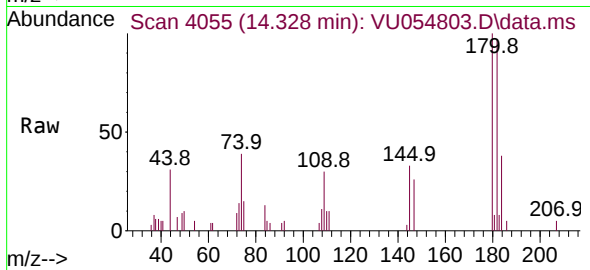
Tgt Ion:128 Resp: 19312
Ion Ratio Lower Upper
128 100
127 9.1 10.0 15.0#
129 10.1 8.6 13.0





#72
 1,2,3-Trichlorobenzene
 Concen: 2.723 ug/L
 RT: 14.328 min Scan# 4055
 Delta R.T. 0.003 min
 Lab File: VU054803.D
 Acq: 18 Jul 2023 12:51

Instrument : MSVOA_U
 ClientSampleId : MDL-WATER-QT3-2023-06



Tgt Ion:180 Resp: 5858
 Ion Ratio Lower Upper
 180 100
 182 30.2 76.6 115.0#
 145 16.8 25.4 38.2#

