

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071723\
 Data File : VU054796.D
 Acq On : 17 Jul 2023 16:31
 Operator : MD/SY
 Sample : 03573-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2023-05

Quant Time: Jul 18 06:08:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 18 05:50:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	238477	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	227071	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	118889	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	86182	46.757	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.520%
7) Chloroethane-d5	1.878	69	83902	45.505	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.000%
11) 1,1-Dichloroethene-d2	2.550	63	85650	32.395	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.780%
21) 2-Butanone-d5	4.618	46	117747	99.386	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.390%
24) Chloroform-d	5.055	84	125276	43.663	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.320%
26) 1,2-Dichloroethane-d4	5.695	65	80098	46.620	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.240%
32) Benzene-d6	5.721	84	254671	47.084	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.160%
36) 1,2-Dichloropropane-d6	6.685	67	87310	47.938	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.880%
41) Toluene-d8	7.894	98	242491	47.047	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.100%
43) trans-1,3-Dichloroprop...	8.177	79	42074	45.159	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.320%
47) 2-Hexanone-d5	8.630	63	83874	97.423	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.420%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	149505	44.691	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.380%
66) 1,2-Dichlorobenzene-d4	12.190	152	100653	49.268	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.540%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	2398	1.331	ug/L	99
3) Chloromethane	1.570	50	69	0.034	ug/L	97
5) Vinyl chloride	1.602	62	4569	1.710	ug/L #	64
6) Bromomethane	1.824	94	3943	2.424	ug/L	89
8) Chloroethane	1.901	64	3172	1.716	ug/L	85
9) Trichlorofluoromethane	2.116	101	7180	1.679	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.560	101	3300	2.091	ug/L #	58
12) 1,1-Dichloroethene	2.563	96	3226	2.174	ug/L #	1
13) Acetone	2.628	43	3284	3.296	ug/L	84
14) Carbon disulfide	2.782	76	5506	1.271	ug/L	99
15) Methyl Acetate	2.946	43	3615	2.175	ug/L #	85
16) Methylene chloride	3.036	84	3011	1.681	ug/L	91
17) trans-1,2-Dichloroethene	3.338	96	2468	1.607	ug/L	83
18) Methyl tert-butyl Ether	3.354	73	9009	1.695	ug/L #	84
19) 1,1-Dichloroethane	3.859	63	4680	1.597	ug/L	93
20) cis-1,2-Dichloroethene	4.653	96	1932	1.058	ug/L	92
22) 2-Butanone	4.724	43	3462	2.516	ug/L	89
23) Bromochloromethane	4.962	128	785	0.845	ug/L	91
25) Chloroform	5.074	83	6948	2.261	ug/L	88

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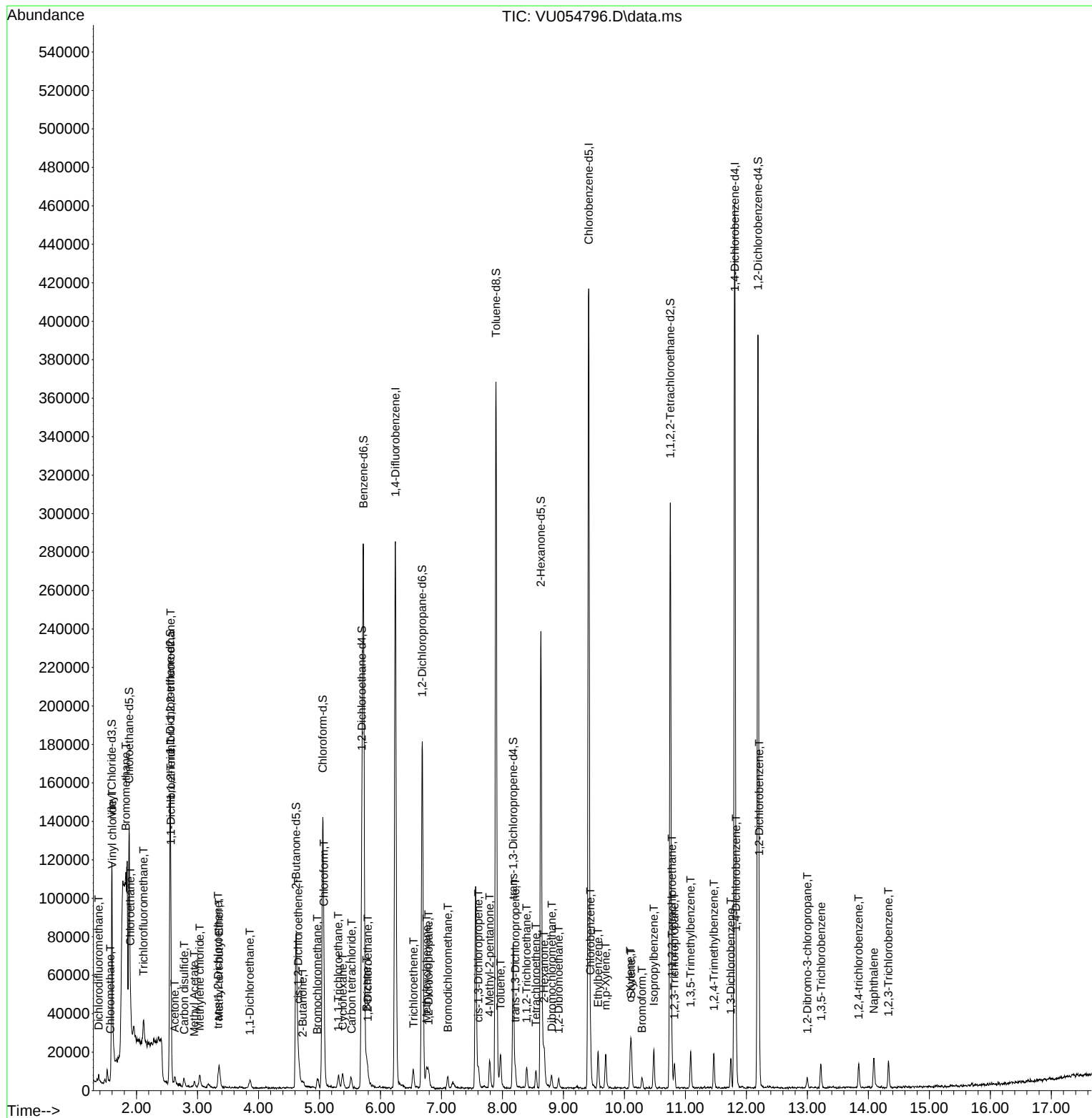
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	4332	1.856	ug/L	95
29) Cyclohexane	5.383	56	3823	1.531	ug/L	94
30) 1,1,1-Trichloroethane	5.309	97	4661	1.850	ug/L	93
31) Carbon tetrachloride	5.525	117	3647	1.676	ug/L	94
33) Benzene	5.772	78	10328	1.587	ug/L	100
34) Trichloroethene	6.544	95	2887	1.743	ug/L	82
35) Methylcyclohexane	6.759	83	1965	0.726	ug/L #	22
37) 1,2-Dichloropropane	6.788	63	3087	1.725	ug/L #	88
38) Bromodichloromethane	7.106	83	4073	1.774	ug/L	90
39) cis-1,3-Dichloropropene	7.605	75	5341	1.810	ug/L	92
40) 4-Methyl-2-pentanone	7.791	43	9175	3.349	ug/L	93
42) Toluene	7.968	91	11703	1.608	ug/L	98
44) trans-1,3-Dichloropropene	8.213	75	4141	1.494	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	3329	1.825	ug/L	86
46) Tetrachloroethene	8.550	164	1959	1.543	ug/L	84
48) 2-Hexanone	8.685	43	10718	4.722	ug/L #	91
49) Dibromochloromethane	8.807	129	3384	1.801	ug/L	79
50) 1,2-Dibromoethane	8.923	107	3398	1.731	ug/L #	97
51) Chlorobenzene	9.444	112	7783	1.643	ug/L #	88
52) Ethylbenzene	9.569	91	14021	1.666	ug/L	93
53) m,p-Xylene	9.695	106	6209	1.938	ug/L	93
54) o-Xylene	10.097	106	5038	1.548	ug/L	93
55) Styrene	10.113	104	8962	1.581	ug/L	83
57) 1,1,2,2-Tetrachloroethane	10.778	83	7202	2.000	ug/L	93
59) Bromoform	10.286	173	1221	0.821	ug/L #	84
60) 1,2,3-Trichloropropane	10.820	75	4317	1.861	ug/L #	89
61) Isopropylbenzene	10.483	105	12625	1.607	ug/L	95
62) 1,3,5-Trimethylbenzene	11.087	105	10088	1.559	ug/L	100
63) 1,2,4-Trimethylbenzene	11.470	105	9686	1.511	ug/L	98
64) 1,3-Dichlorobenzene	11.746	146	5801	1.592	ug/L	85
65) 1,4-Dichlorobenzene	11.833	146	6744	1.838	ug/L	96
67) 1,2-Dichlorobenzene	12.209	146	6628	1.811	ug/L #	80
68) 1,2-Dibromo-3-chloropr...	13.000	75	1348	2.174	ug/L #	1
69) 1,3,5-Trichlorobenzene	13.225	180	3298	1.350	ug/L #	61
70) 1,2,4-trichlorobenzene	13.843	180	3142	1.490	ug/L #	63
71) Naphthalene	14.090	128	13819	1.997	ug/L #	88
72) 1,2,3-Trichlorobenzene	14.328	180	3270	1.593	ug/L #	93

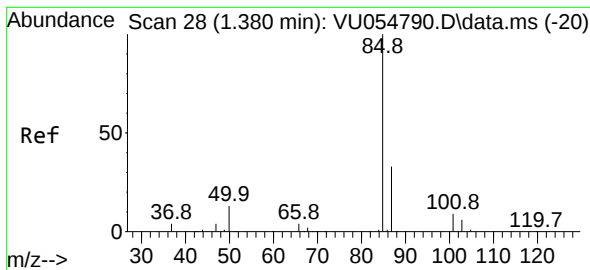
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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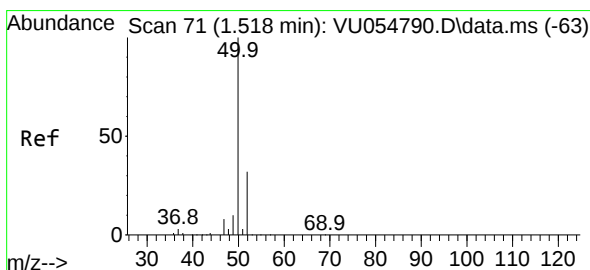
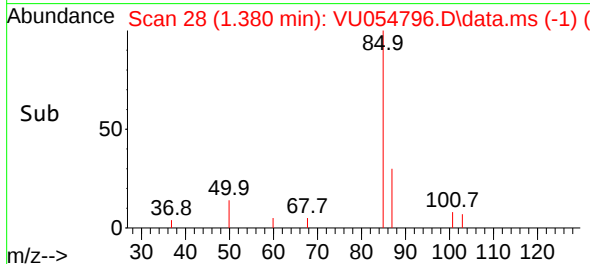
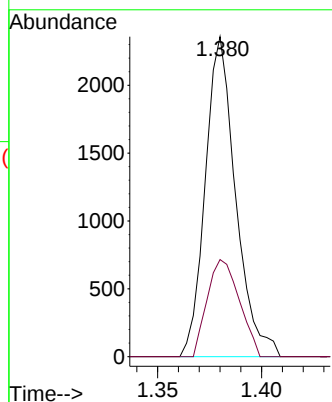
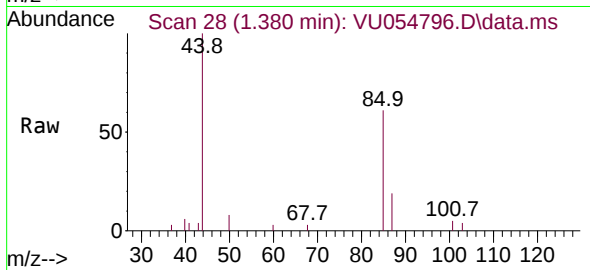




#2
 Dichlorodifluoromethane
 Concen: 1.331 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU054796.D
 Acq: 17 Jul 2023 16:31

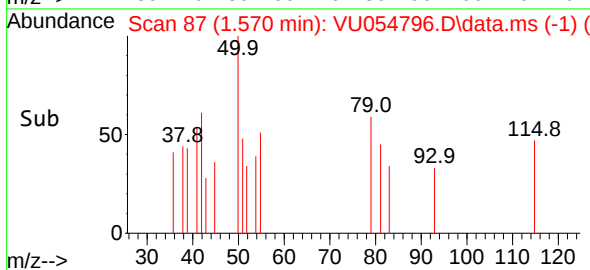
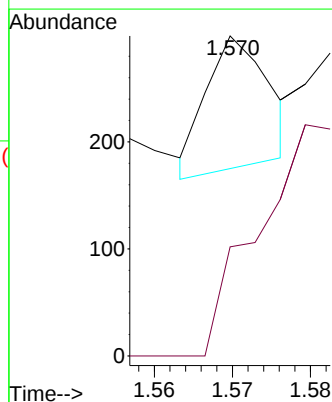
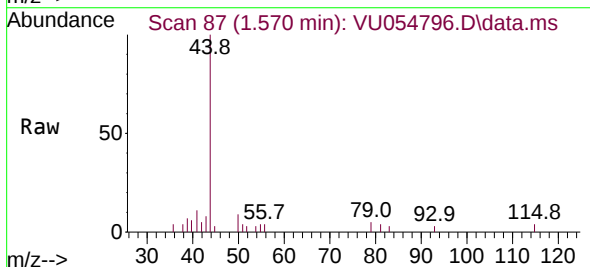
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2023-05

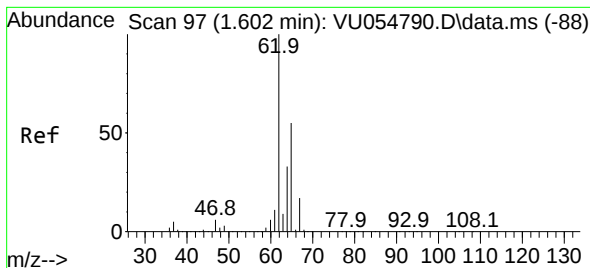
Tgt Ion: 85 Resp: 2398
 Ion Ratio Lower Upper
 85 100
 87 32.0 26.2 39.2



#3
 Chloromethane
 Concen: 0.034 ug/L
 RT: 1.570 min Scan# 87
 Delta R.T. 0.051 min
 Lab File: VU054796.D
 Acq: 17 Jul 2023 16:31

Tgt Ion: 50 Resp: 69
 Ion Ratio Lower Upper
 50 100
 52 34.1 22.5 41.9





#5

Vinyl chloride

Concen: 1.710 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU054796.D

Acq: 17 Jul 2023 16:31

Instrument :

MSVOA_U

ClientSampleId :

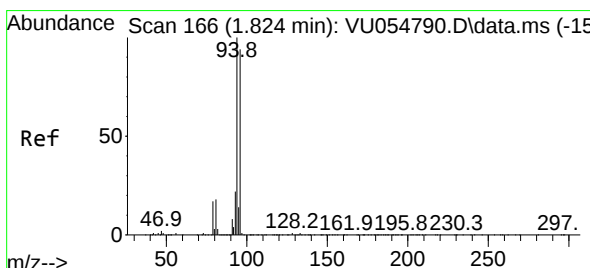
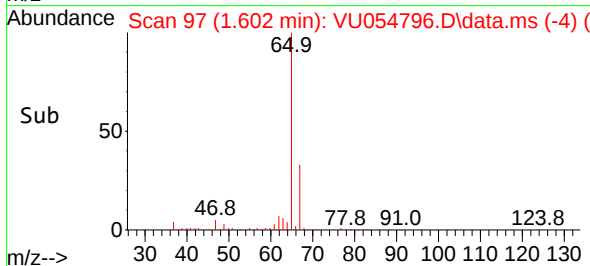
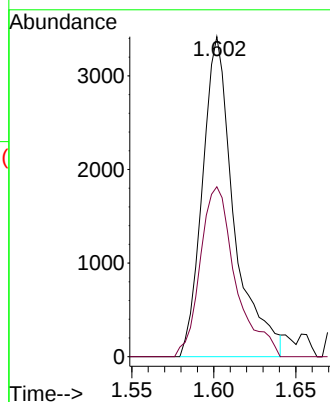
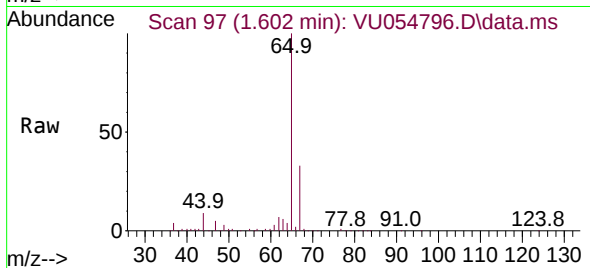
MDL-WATER-QT3-2023-05

Tgt Ion: 62 Resp: 4569

Ion Ratio Lower Upper

62 100

64 53.1 22.9 42.5#



#6

Bromomethane

Concen: 2.424 ug/L

RT: 1.824 min Scan# 166

Delta R.T. -0.000 min

Lab File: VU054796.D

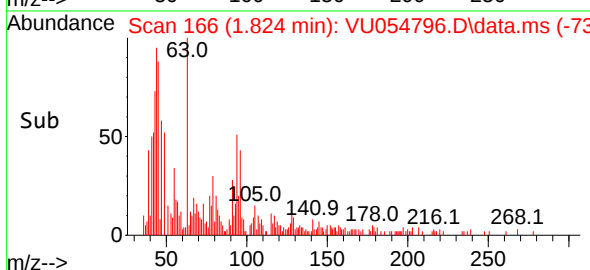
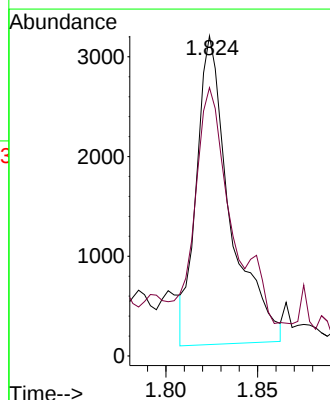
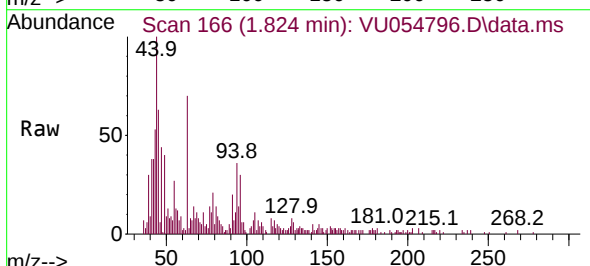
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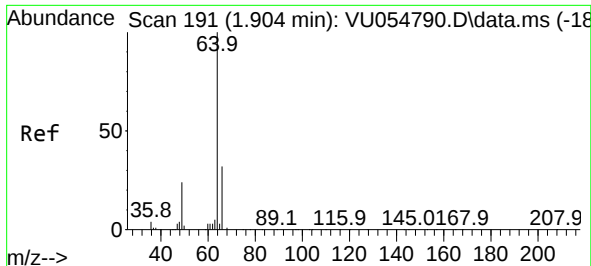
Tgt Ion: 94 Resp: 3943

Ion Ratio Lower Upper

94 100

96 83.9 66.1 122.8

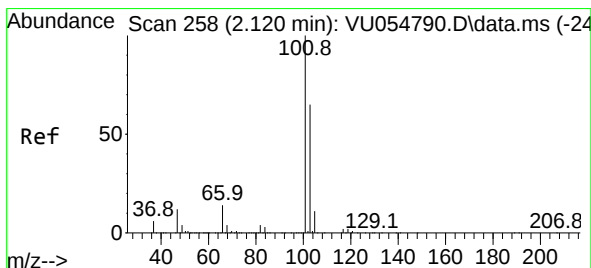
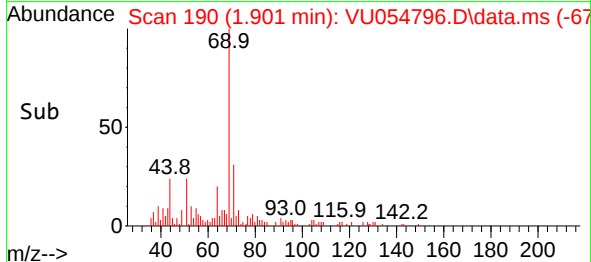
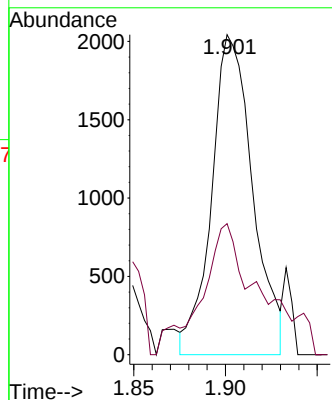
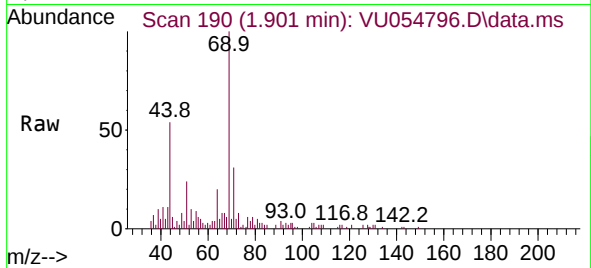




#8
Chloroethane
Concen: 1.716 ug/L
RT: 1.901 min Scan# 191
Delta R.T. -0.003 min
Lab File: VU054796.D
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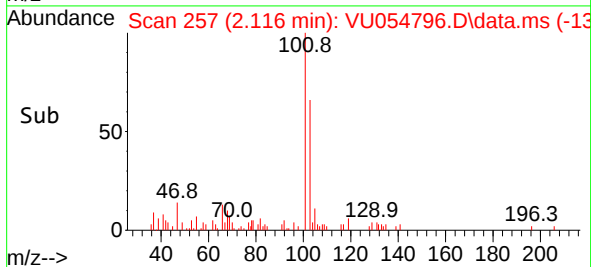
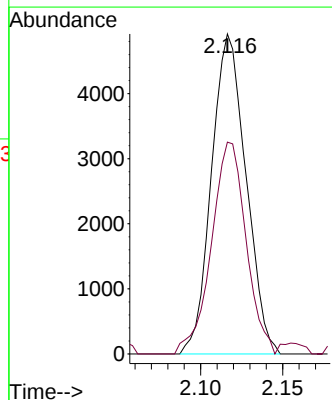
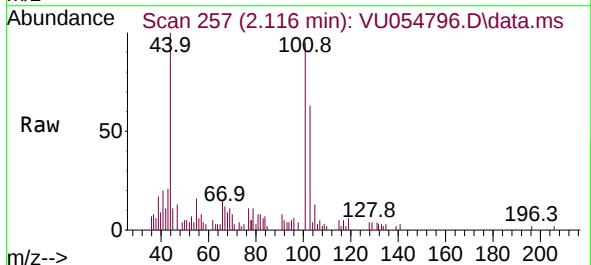
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2023-05

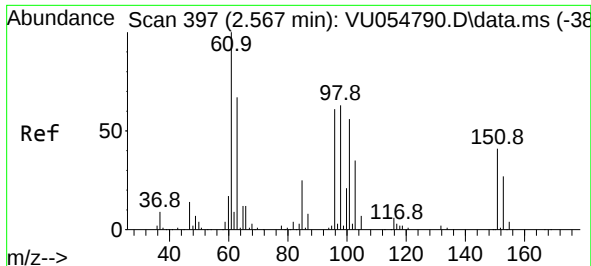
Tgt Ion: 64 Resp: 3172
Ion Ratio Lower Upper
64 100
66 41.0 22.8 42.4



#9
Trichlorofluoromethane
Concen: 1.679 ug/L
RT: 2.116 min Scan# 257
Delta R.T. -0.003 min
Lab File: VU054796.D
Acq: 17 Jul 2023 16:31

Tgt Ion:101 Resp: 7180
Ion Ratio Lower Upper
101 100
103 66.4 52.2 78.2

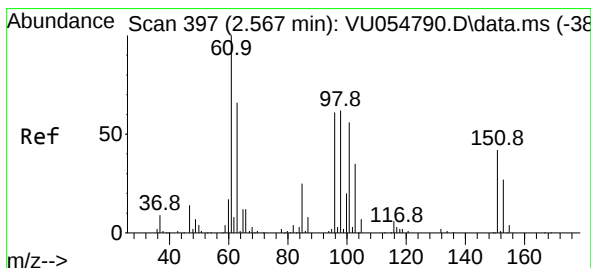
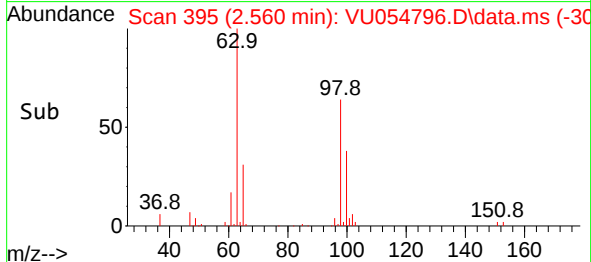
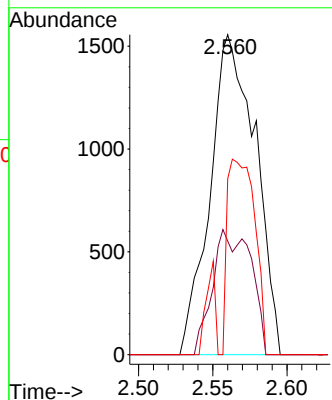
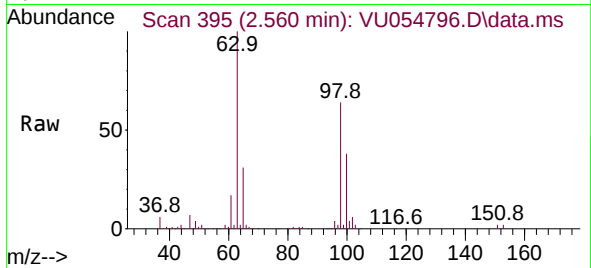




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.091 ug/L
RT: 2.560 min Scan# 395
Delta R.T. -0.007 min
Lab File: VU054796.D
Acq: 17 Jul 2023 16:31

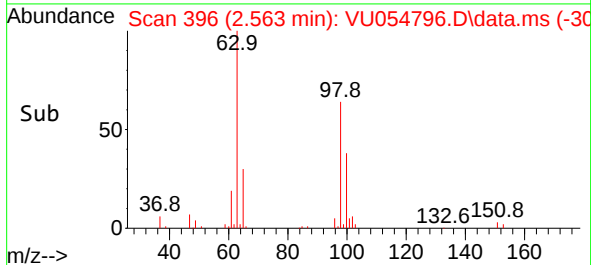
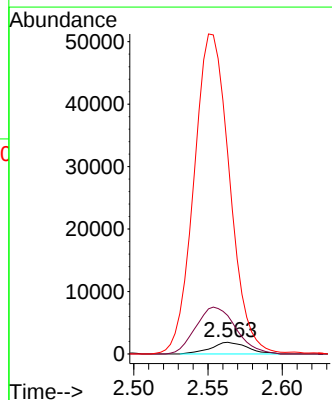
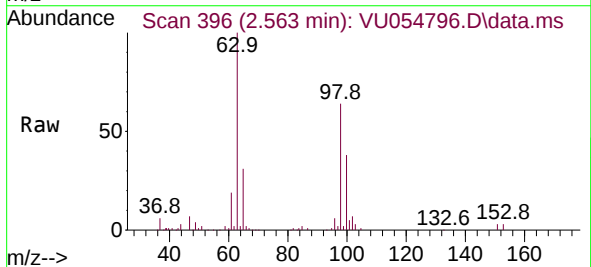
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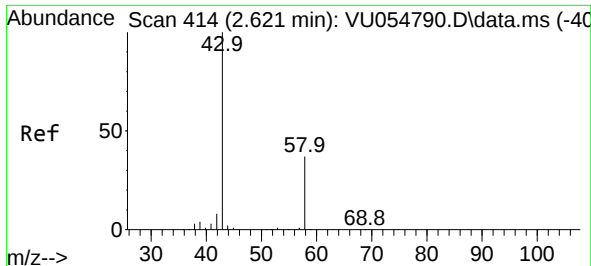
Tgt Ion:101 Resp: 3300
Ion Ratio Lower Upper
101 100
85 17.7 35.3 52.9#
151 37.2 58.2 87.4#



#12
1,1-Dichloroethene
Concen: 2.174 ug/L
RT: 2.563 min Scan# 396
Delta R.T. -0.003 min
Lab File: VU054796.D
Acq: 17 Jul 2023 16:31

Tgt Ion: 96 Resp: 3226
Ion Ratio Lower Upper
96 100
61 330.4 115.0 213.6#
63 1721.6 77.6 144.0#





#13

Acetone

Concen: 3.296 ug/L

RT: 2.628 min Scan# 414

Delta R.T. 0.006 min

Lab File: VU054796.D

Acq: 17 Jul 2023 16:31

Instrument :

MSVOA_U

ClientSampleId :

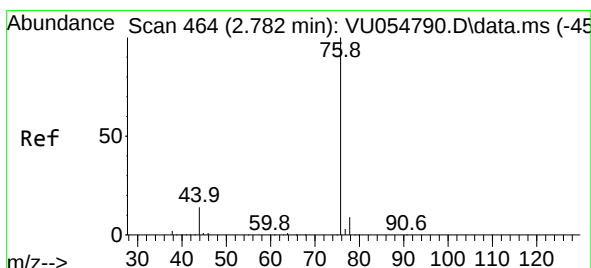
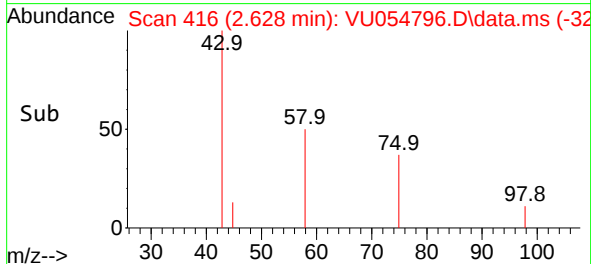
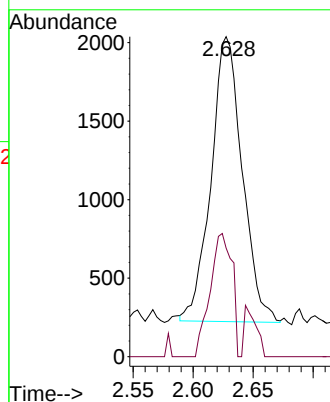
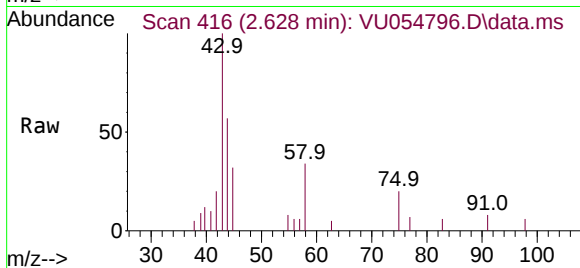
MDL-WATER-QT3-2023-05

Tgt Ion: 43 Resp: 3284

Ion Ratio Lower Upper

43 100

58 26.9 0.0 72.4



#14

Carbon disulfide

Concen: 1.271 ug/L

RT: 2.782 min Scan# 464

Delta R.T. -0.000 min

Lab File: VU054796.D

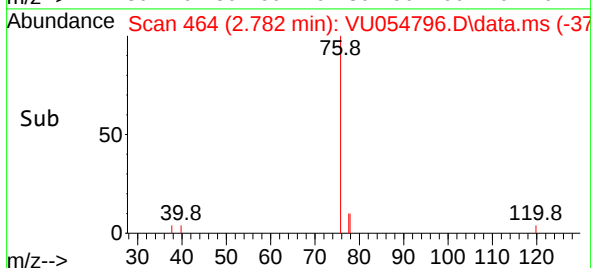
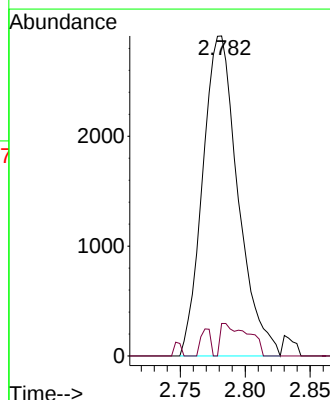
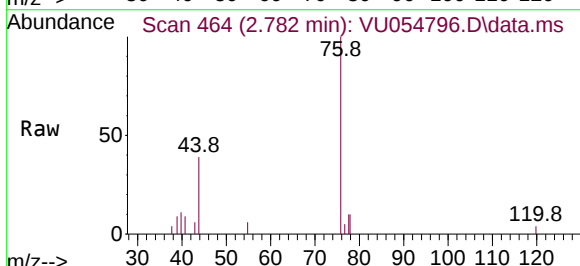
Acq: 17 Jul 2023 16:31

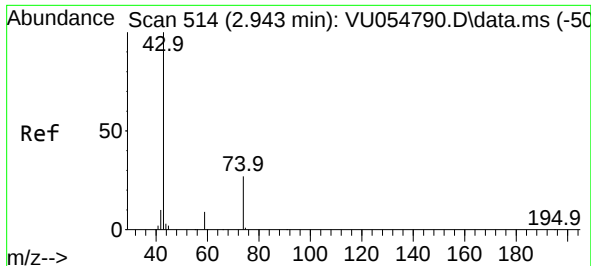
Tgt Ion: 76 Resp: 5506

Ion Ratio Lower Upper

76 100

78 9.7 7.4 11.0

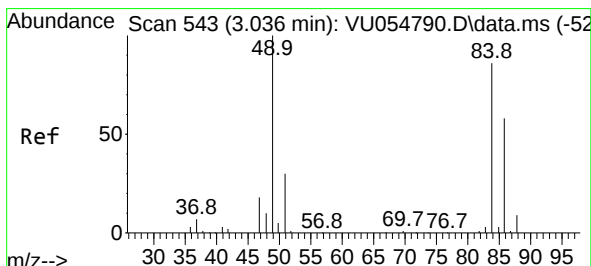
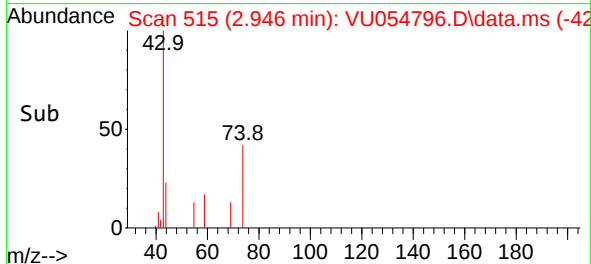
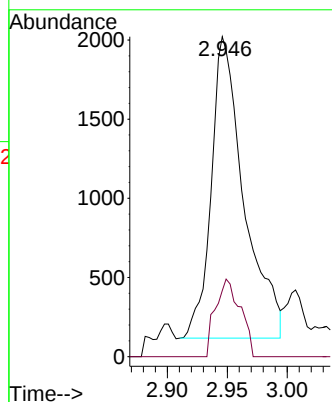
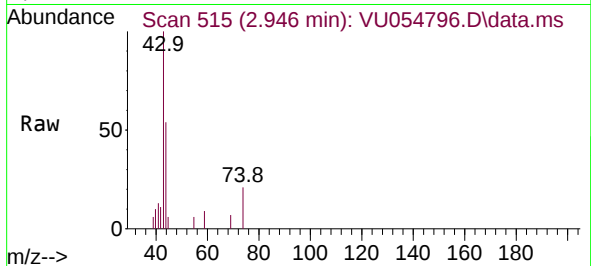




#15
Methyl Acetate
Concen: 2.175 ug/L
RT: 2.946 min Scan# 514
Delta R.T. 0.003 min
Lab File: VU054796.D
Acq: 17 Jul 2023 16:31

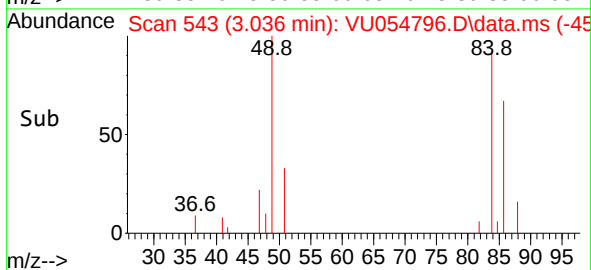
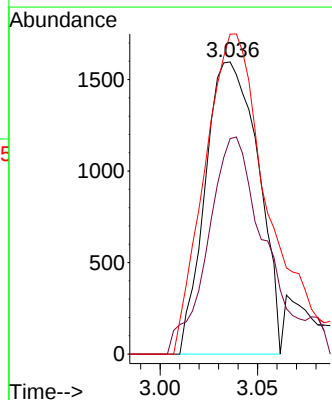
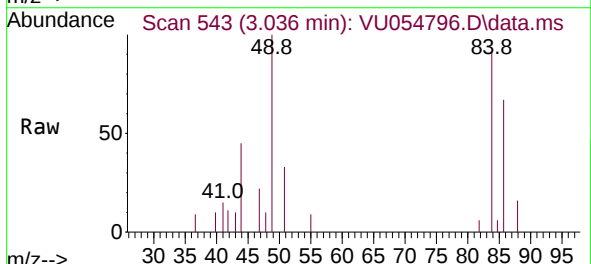
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-05

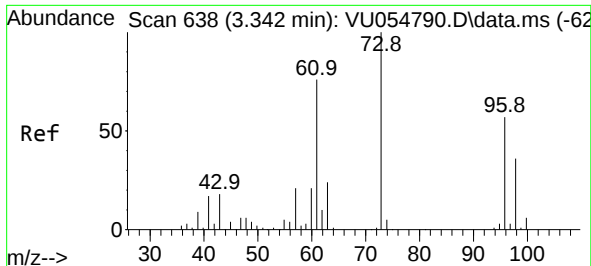
Tgt Ion: 43 Resp: 3615
Ion Ratio Lower Upper
43 100
74 19.4 21.8 32.8#



#16
Methylene chloride
Concen: 1.681 ug/L
RT: 3.036 min Scan# 543
Delta R.T. -0.000 min
Lab File: VU054796.D
Acq: 17 Jul 2023 16:31

Tgt Ion: 84 Resp: 3011
Ion Ratio Lower Upper
84 100
86 69.1 46.8 87.0
49 102.6 81.3 151.1

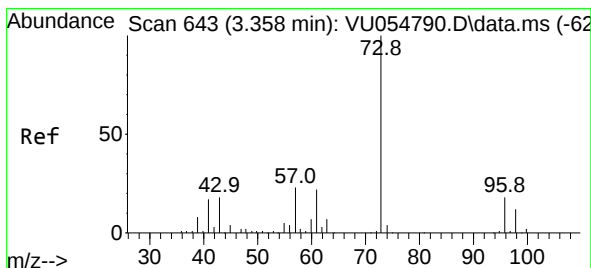
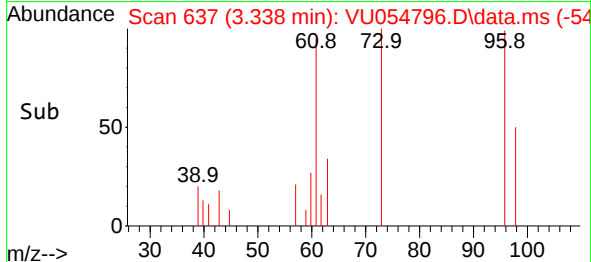
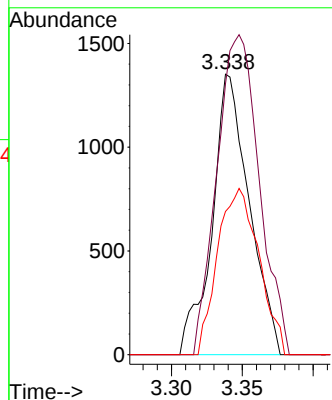
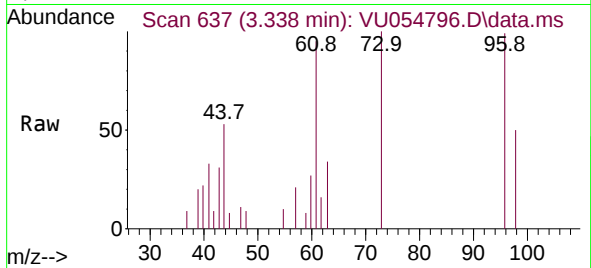




#17
trans-1,2-Dichloroethene
Concen: 1.607 ug/L
RT: 3.338 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU054796.D
Acq: 17 Jul 2023 16:31

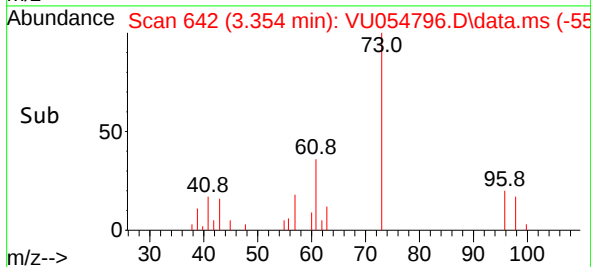
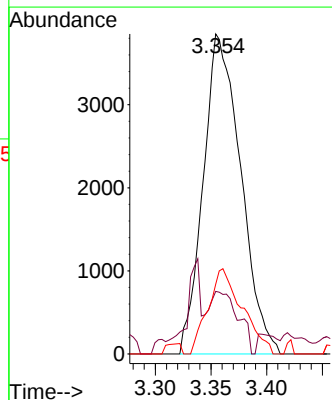
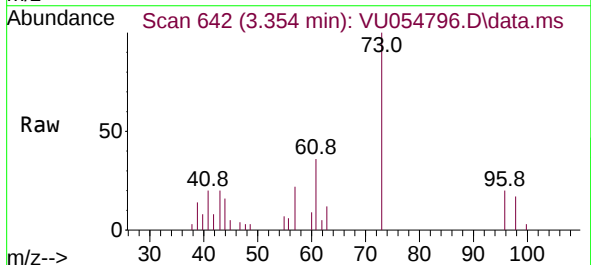
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-05

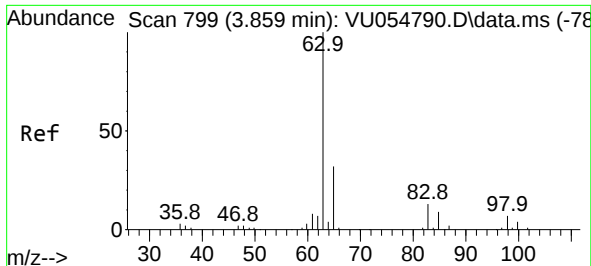
Tgt Ion: 96 Resp: 2468
Ion Ratio Lower Upper
96 100
61 112.9 93.2 173.2
98 51.0 44.7 82.9



#18
Methyl tert-butyl Ether
Concen: 1.695 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.003 min
Lab File: VU054796.D
Acq: 17 Jul 2023 16:31

Tgt Ion: 73 Resp: 9009
Ion Ratio Lower Upper
73 100
43 5.1 14.3 21.5#
57 24.3 17.4 26.0

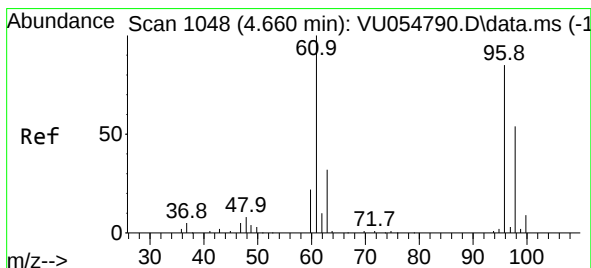
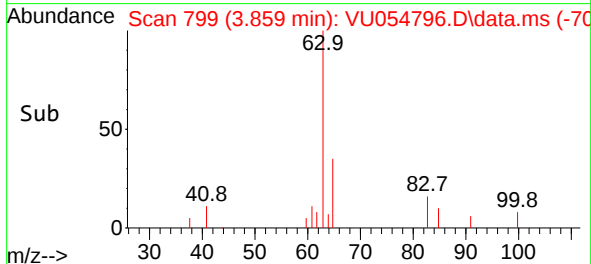
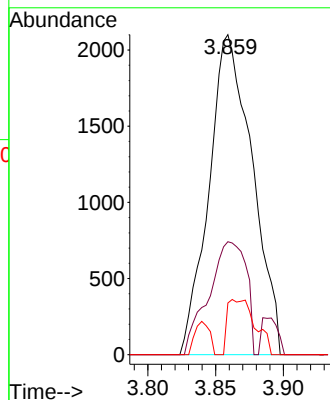
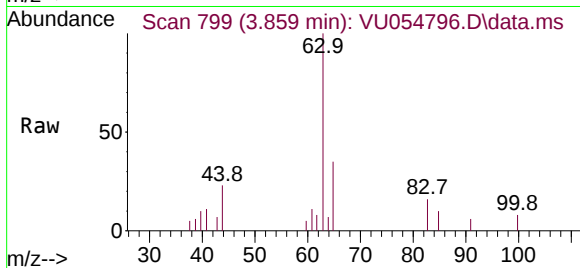




#19
1,1-Dichloroethane
Concen: 1.597 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.000 min
Lab File: VU054796.D
Acq: 17 Jul 2023 16:31

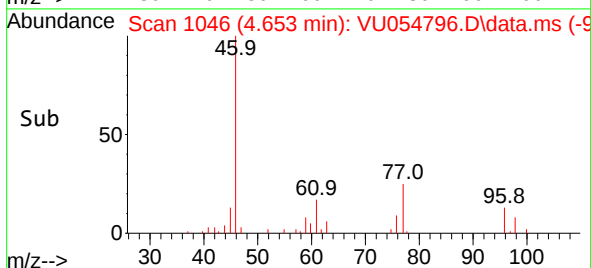
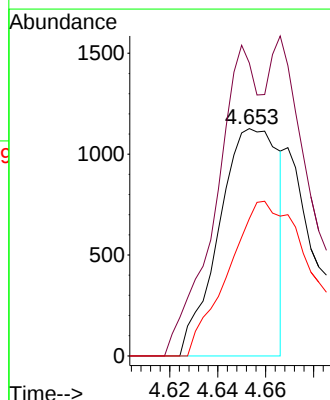
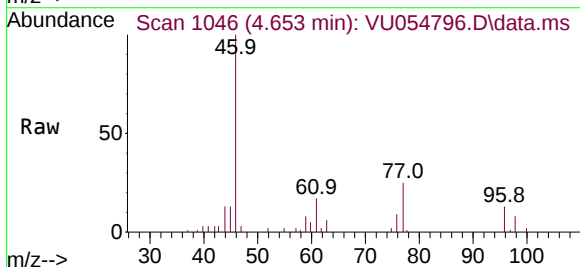
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-05

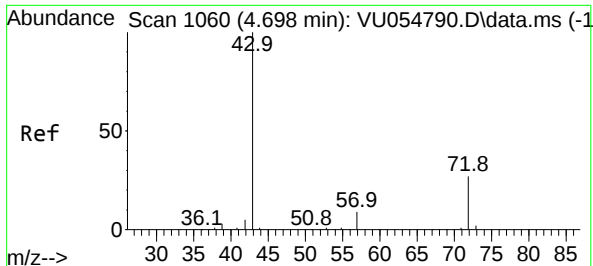
Tgt Ion:	63	Resp:	4680
Ion	Ratio	Lower	Upper
63	100		
65	35.3	22.1	41.1
83	16.1	9.4	17.4



#20
cis-1,2-Dichloroethene
Concen: 1.058 ug/L
RT: 4.653 min Scan# 1046
Delta R.T. -0.007 min
Lab File: VU054796.D
Acq: 17 Jul 2023 16:31

Tgt Ion:	96	Resp:	1932
Ion	Ratio	Lower	Upper
96	100		
61	128.8	82.7	153.7
98	60.3	44.4	82.5





#22

2-Butanone

Concen: 2.516 ug/L

RT: 4.724 min Scan# 1068

Delta R.T. 0.026 min

Lab File: VU054796.D

Acq: 17 Jul 2023 16:31

Instrument :

MSVOA_U

ClientSampleId :

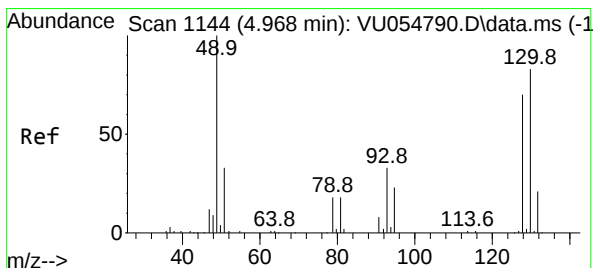
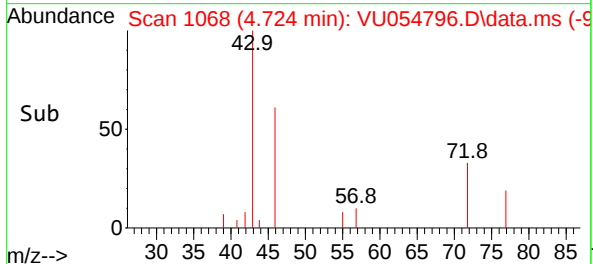
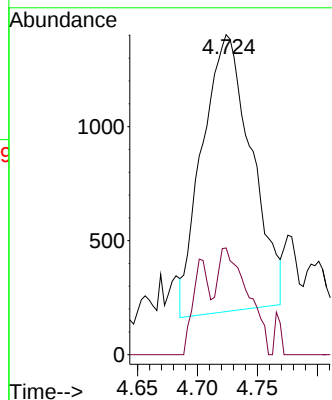
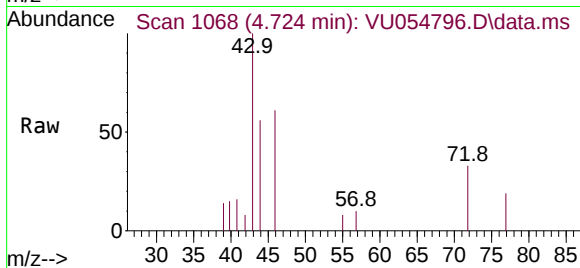
MDL-WATER-QT3-2023-05

Tgt Ion: 43 Resp: 3462

Ion Ratio Lower Upper

43 100

72 24.2 15.2 45.6



#23

Bromochloromethane

Concen: 0.845 ug/L

RT: 4.962 min Scan# 1142

Delta R.T. -0.007 min

Lab File: VU054796.D

Acq: 17 Jul 2023 16:31

Tgt Ion:128 Resp: 785

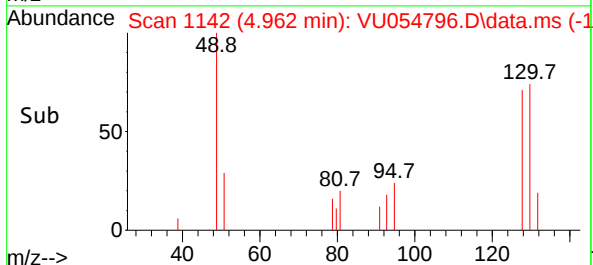
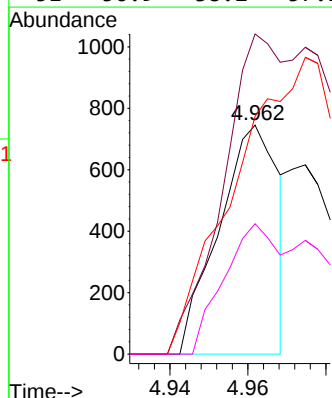
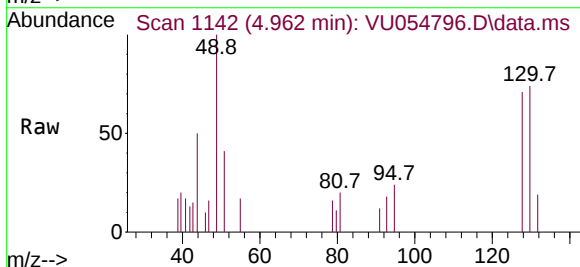
Ion Ratio Lower Upper

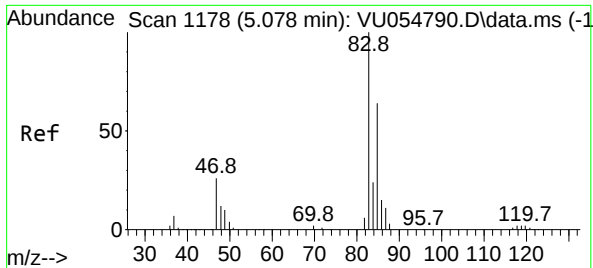
128 100

49 139.9 100.6 186.8

130 103.9 83.0 154.1

51 56.9 38.2 57.2

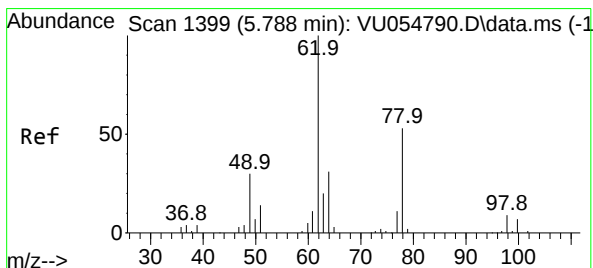
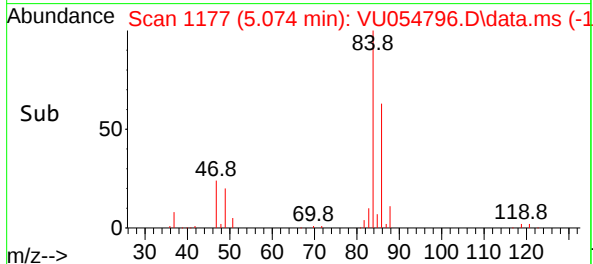
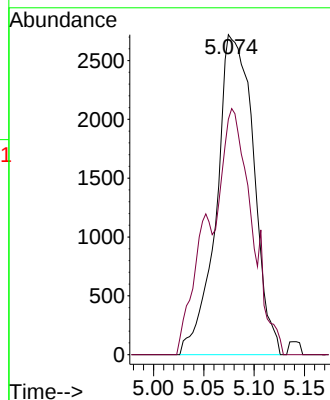
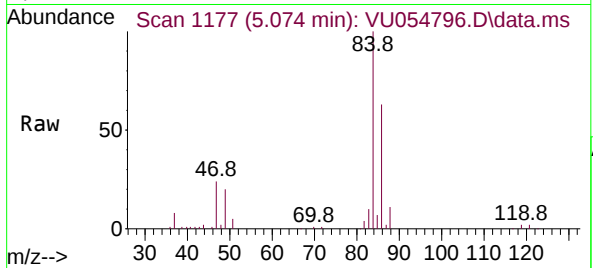




#25
Chloroform
Concen: 2.261 ug/L
RT: 5.074 min Scan# 1178
Delta R.T. -0.003 min
Lab File: VU054796.D
Acq: 17 Jul 2023 16:31

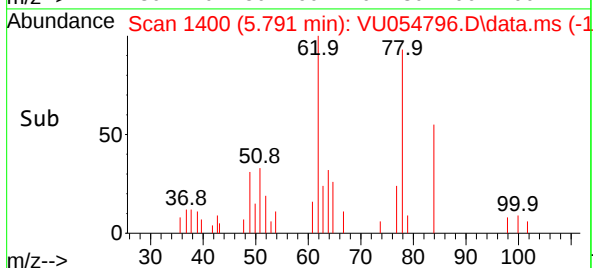
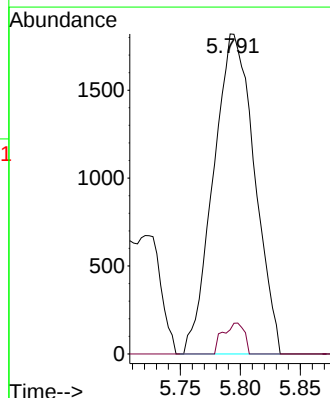
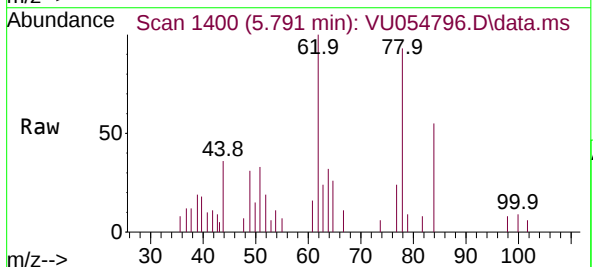
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-05

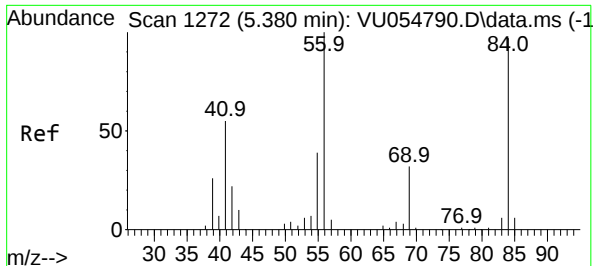
Tgt Ion: 83 Resp: 6948
Ion Ratio Lower Upper
83 100
85 73.5 44.7 82.9



#27
1,2-Dichloroethane
Concen: 1.856 ug/L
RT: 5.791 min Scan# 1400
Delta R.T. 0.003 min
Lab File: VU054796.D
Acq: 17 Jul 2023 16:31

Tgt Ion: 62 Resp: 4332
Ion Ratio Lower Upper
62 100
98 7.5 7.5 11.3





#29

Cyclohexane

Concen: 1.531 ug/L

RT: 5.383 min Scan# 1272

Delta R.T. 0.003 min

Lab File: VU054796.D

Acq: 17 Jul 2023 16:31

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2023-05

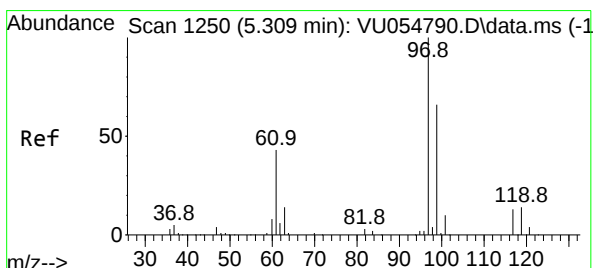
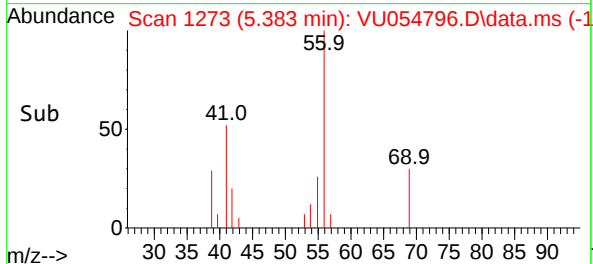
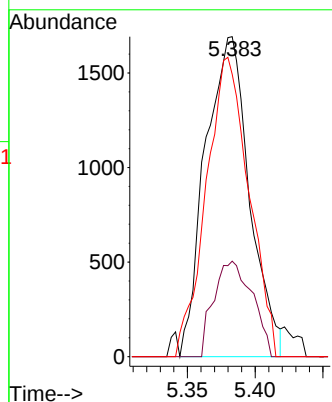
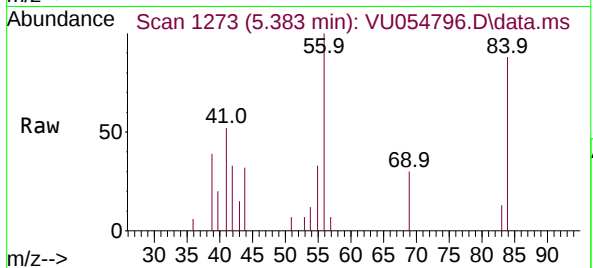
Tgt Ion: 56 Resp: 3823

Ion Ratio Lower Upper

56 100

69 26.0 25.8 38.8

84 90.4 75.9 113.9



#30

1,1,1-Trichloroethane

Concen: 1.850 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.000 min

Lab File: VU054796.D

Acq: 17 Jul 2023 16:31

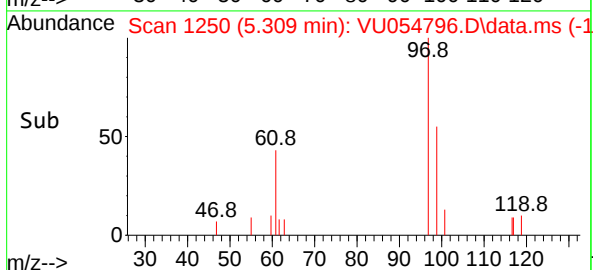
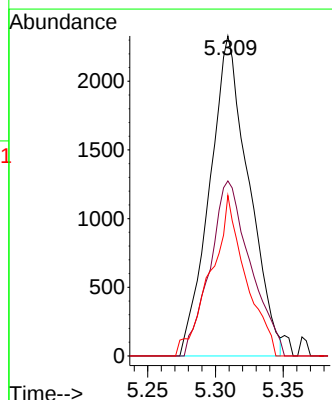
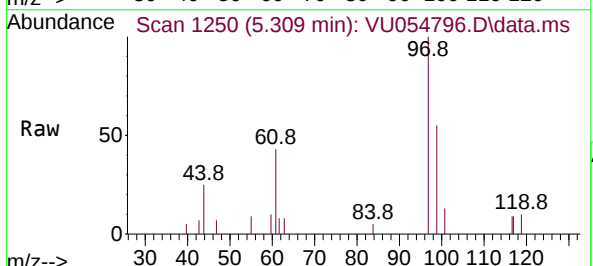
Tgt Ion: 97 Resp: 4661

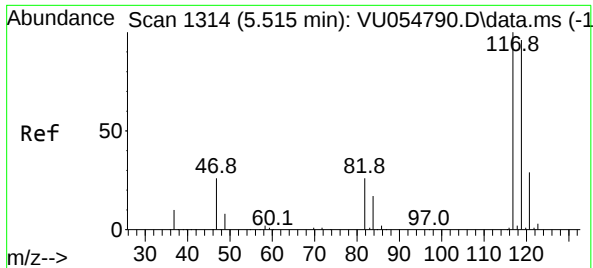
Ion Ratio Lower Upper

97 100

99 56.6 52.0 78.0

61 43.4 34.3 51.5

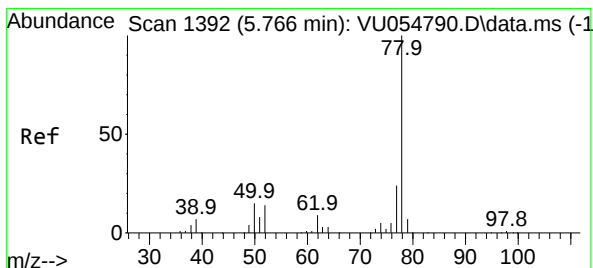
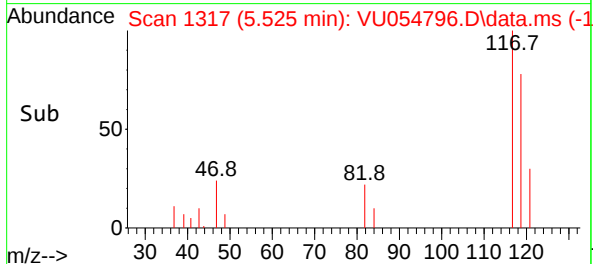
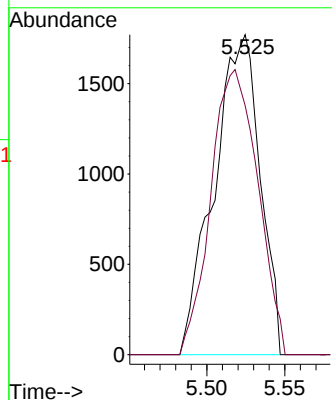
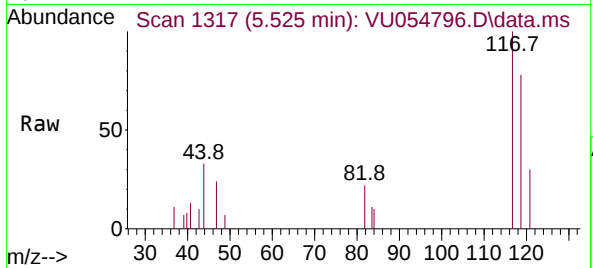




#31
Carbon tetrachloride
Concen: 1.676 ug/L
RT: 5.525 min Scan# 1117
Delta R.T. 0.009 min
Lab File: VU054796.D
Acq: 17 Jul 2023 16:31

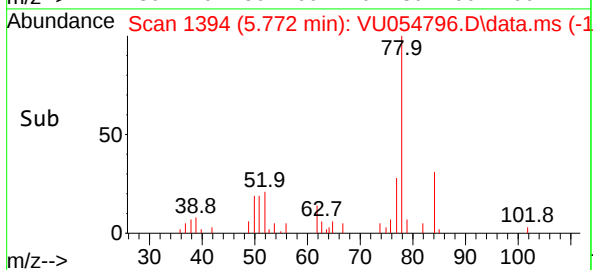
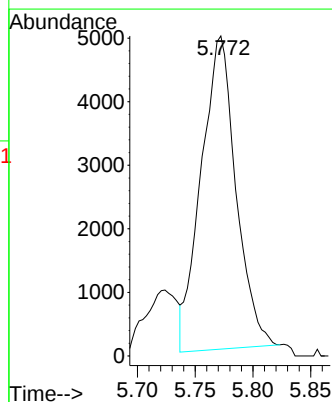
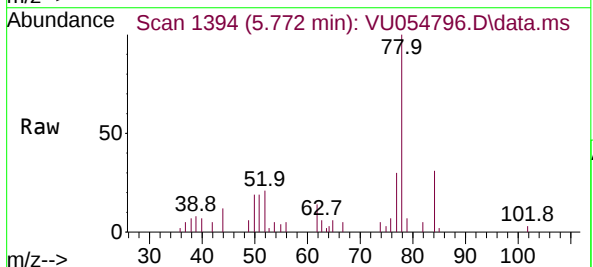
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-05

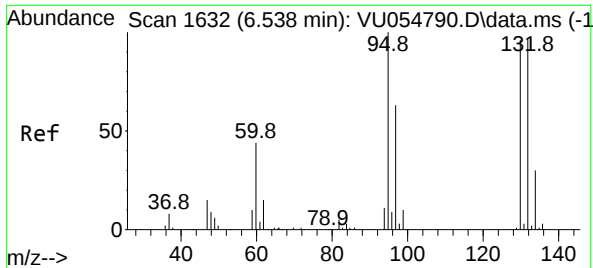
Tgt Ion:117 Resp: 3647
Ion Ratio Lower Upper
117 100
119 90.7 77.4 116.2



#33
Benzene
Concen: 1.587 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.006 min
Lab File: VU054796.D
Acq: 17 Jul 2023 16:31

Tgt Ion: 78 Resp: 10328



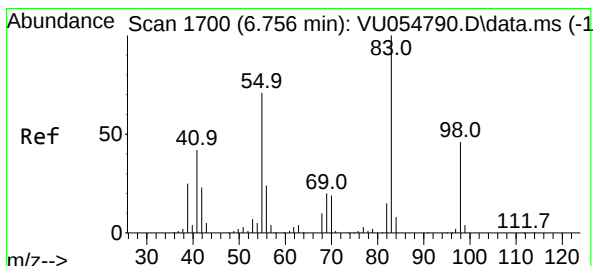
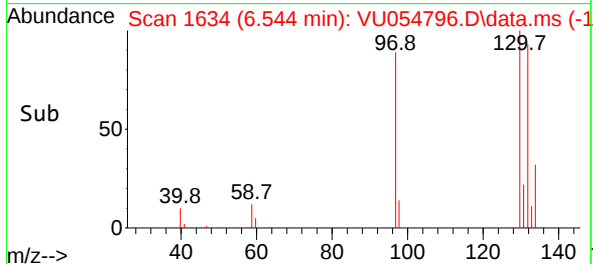
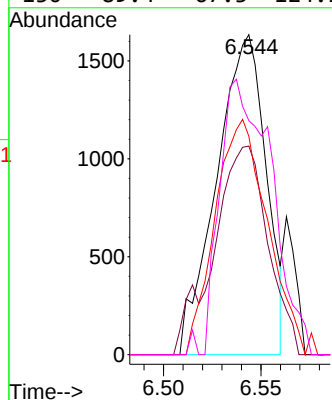
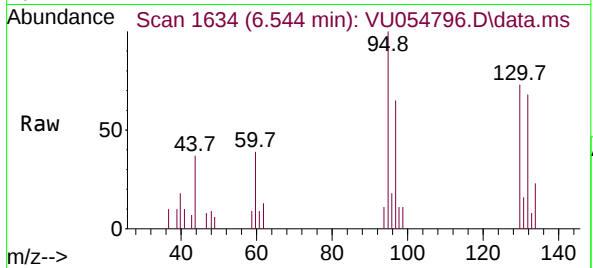


#34
Trichloroethene
Concen: 1.743 ug/L
RT: 6.544 min Scan# 1
Delta R.T. 0.006 min
Lab File: VU054796.D
Acq: 17 Jul 2023 16:31

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-05

Tgt Ion: 95 Resp: 2887

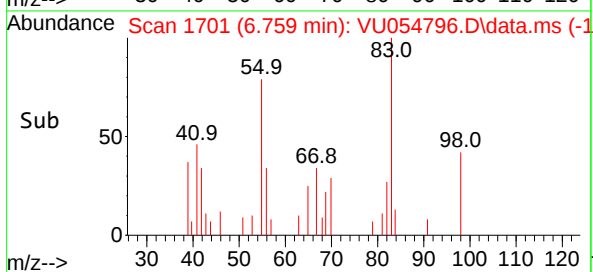
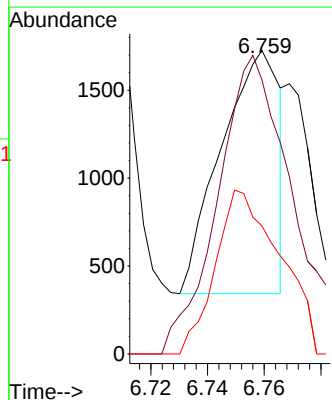
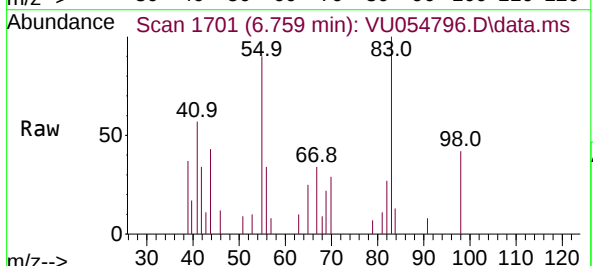
Ion	Ratio	Lower	Upper
95	100		
97	75.7	44.0	81.8
132	68.2	67.9	126.1
130	89.4	67.3	124.9

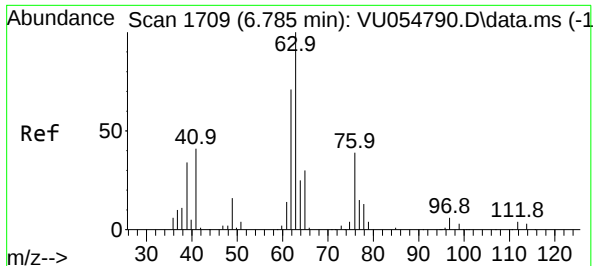


#35
Methylcyclohexane
Concen: 0.726 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.003 min
Lab File: VU054796.D
Acq: 17 Jul 2023 16:31

Tgt Ion: 83 Resp: 1965

Ion	Ratio	Lower	Upper
83	100		
55	155.3	55.8	83.8#
98	75.0	38.6	58.0#





#37

1,2-Dichloropropane

Concen: 1.725 ug/L

RT: 6.788 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU054796.D

Acq: 17 Jul 2023 16:31

Instrument :

MSVOA_U

ClientSampleId :

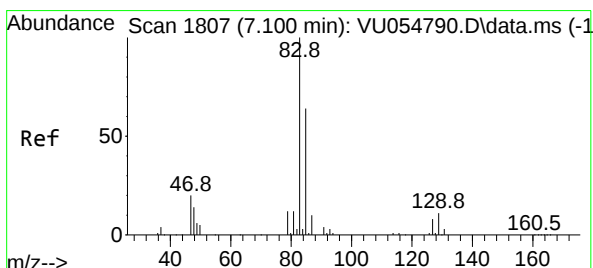
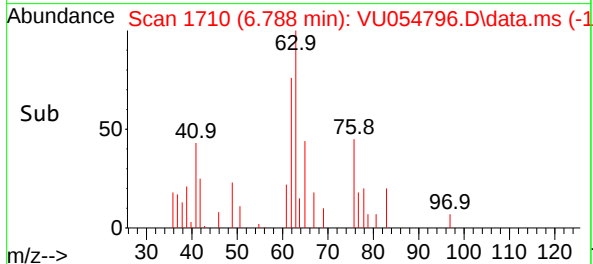
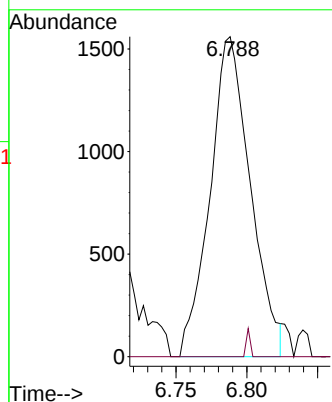
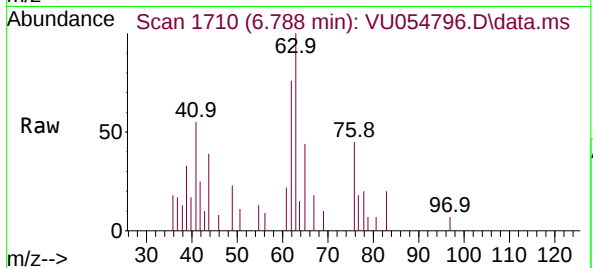
MDL-WATER-QT3-2023-05

Tgt Ion: 63 Resp: 3087

Ion Ratio Lower Upper

63 100

112 0.0 3.1 4.7#



#38

Bromodichloromethane

Concen: 1.774 ug/L

RT: 7.106 min Scan# 1809

Delta R.T. 0.006 min

Lab File: VU054796.D

Acq: 17 Jul 2023 16:31

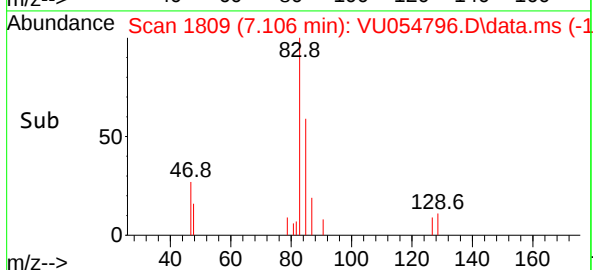
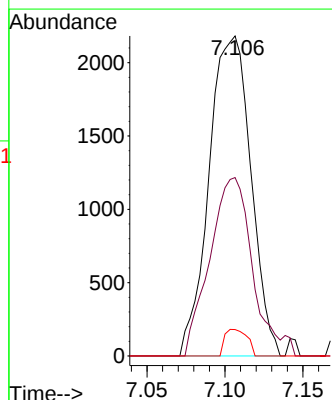
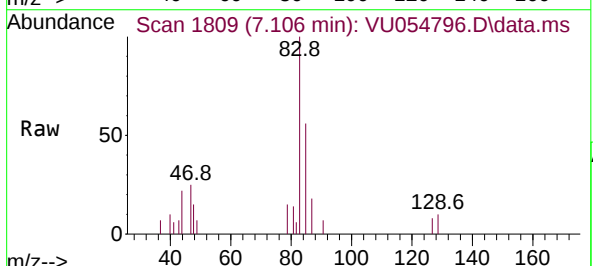
Tgt Ion: 83 Resp: 4073

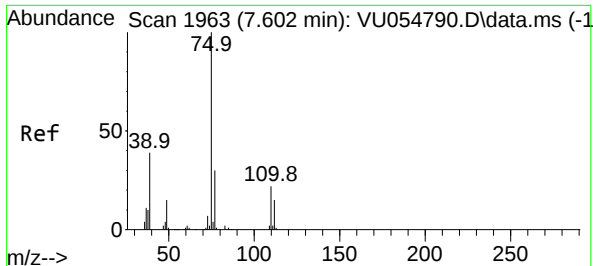
Ion Ratio Lower Upper

83 100

85 55.8 44.9 83.3

127 8.3 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 1.810 ug/L

RT: 7.605 min Scan# 1963

Delta R.T. 0.003 min

Lab File: VU054796.D

Acq: 17 Jul 2023 16:31

Instrument :

MSVOA_U

ClientSampleId :

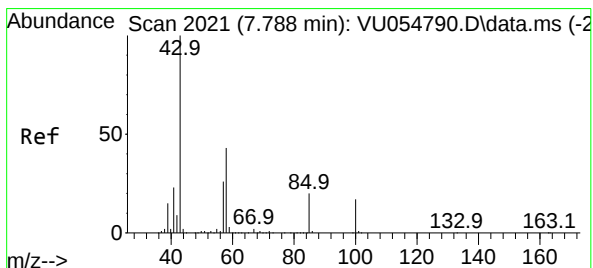
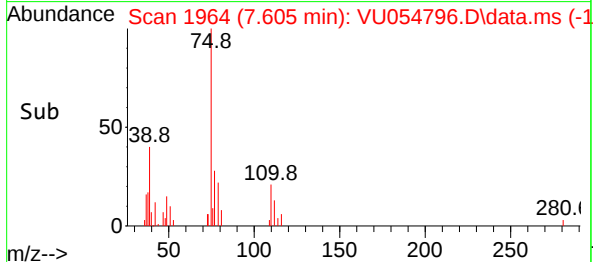
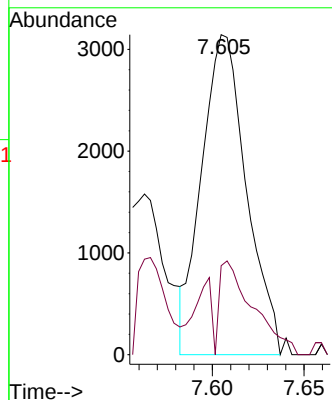
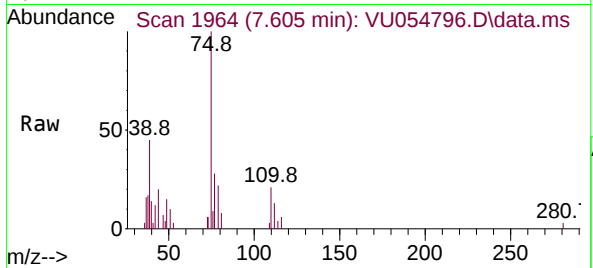
MDL-WATER-QT3-2023-05

Tgt Ion: 75 Resp: 5341

Ion Ratio Lower Upper

75 100

77 25.5 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 3.349 ug/L

RT: 7.791 min Scan# 2022

Delta R.T. 0.003 min

Lab File: VU054796.D

Acq: 17 Jul 2023 16:31

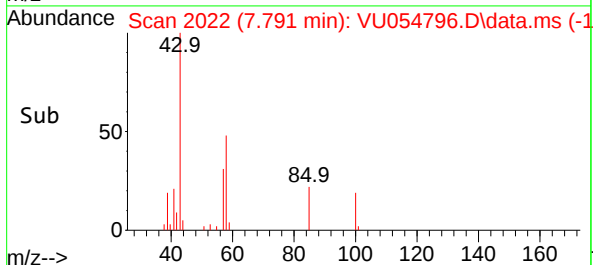
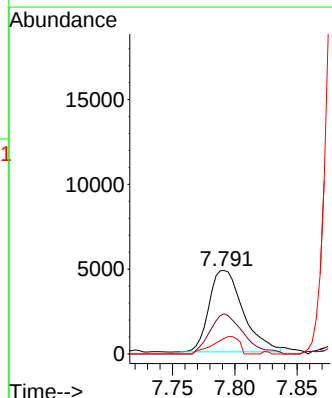
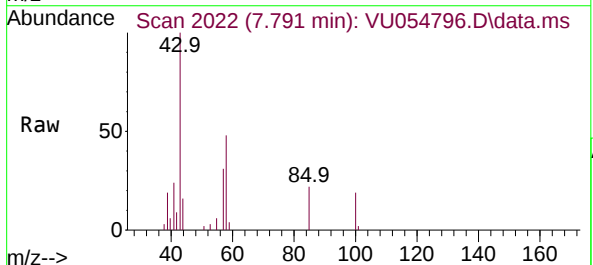
Tgt Ion: 43 Resp: 9175

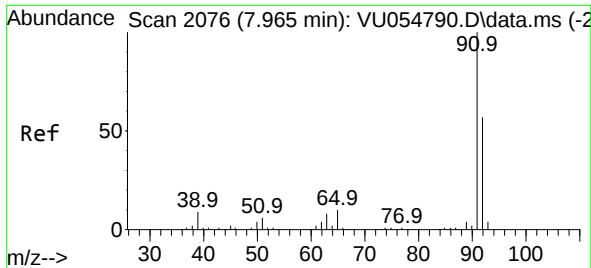
Ion Ratio Lower Upper

43 100

58 48.0 33.7 50.5

100 16.1 13.0 19.4





#42

Toluene

Concen: 1.608 ug/L

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU054796.D

Acq: 17 Jul 2023 16:31

Instrument :

MSVOA_U

ClientSampleId :

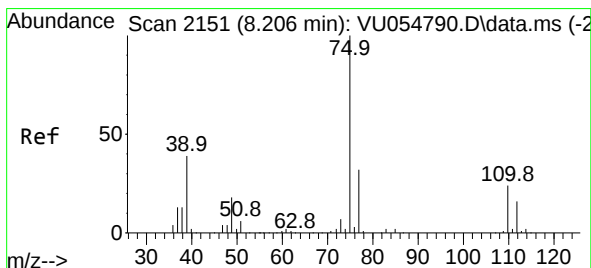
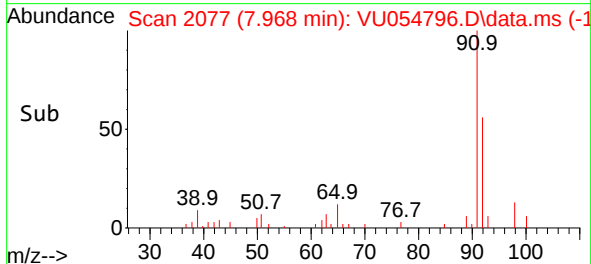
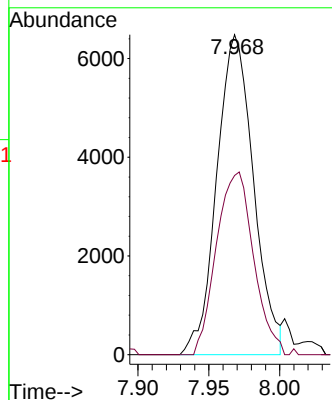
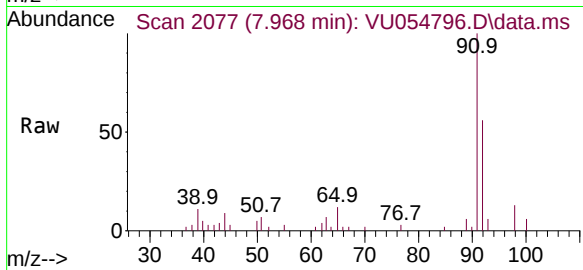
MDL-WATER-QT3-2023-05

Tgt Ion: 91 Resp: 11703

Ion Ratio Lower Upper

91 100

92 56.0 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 1.494 ug/L

RT: 8.213 min Scan# 2153

Delta R.T. 0.006 min

Lab File: VU054796.D

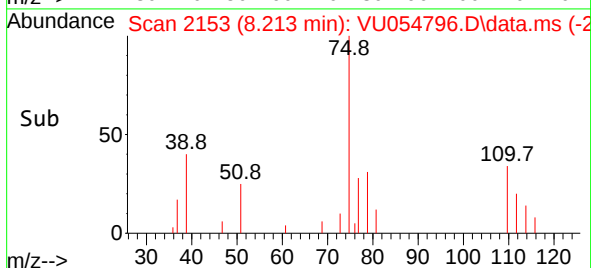
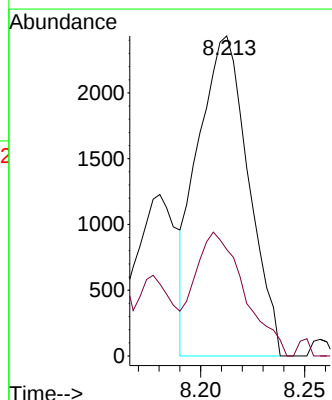
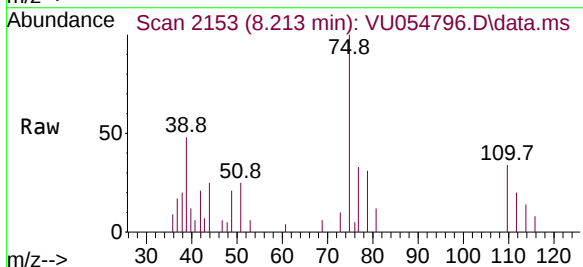
Acq: 17 Jul 2023 16:31

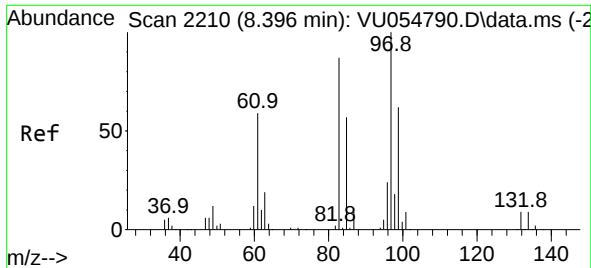
Tgt Ion: 75 Resp: 4141

Ion Ratio Lower Upper

75 100

77 33.3 22.7 42.1

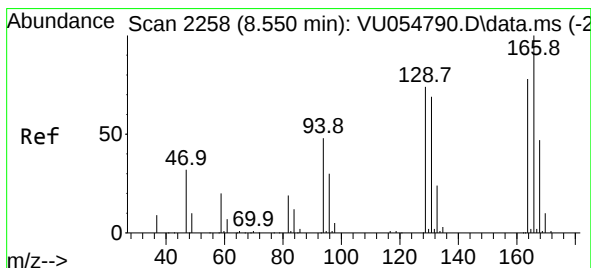
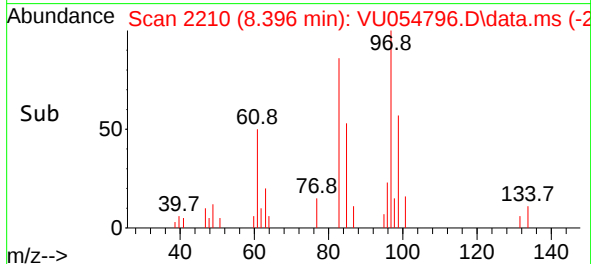
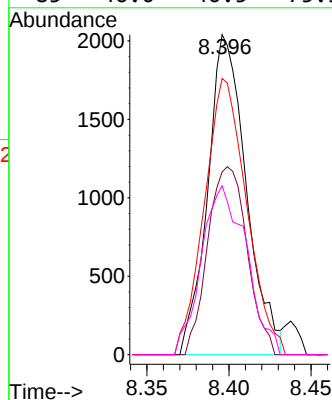
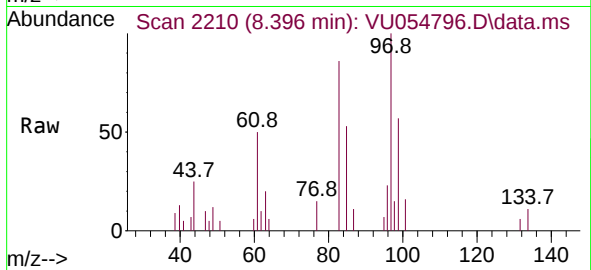




#45
1,1,2-Trichloroethane
Concen: 1.825 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. -0.000 min
Lab File: VU054796.D
Acq: 17 Jul 2023 16:31

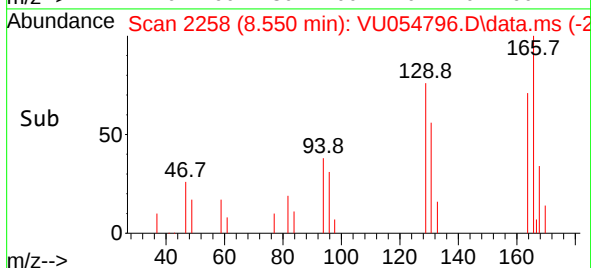
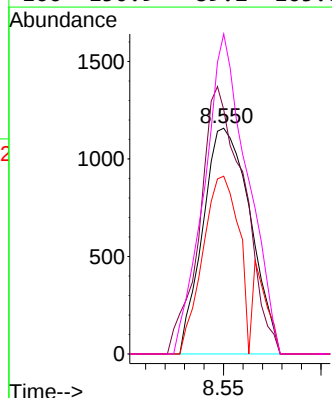
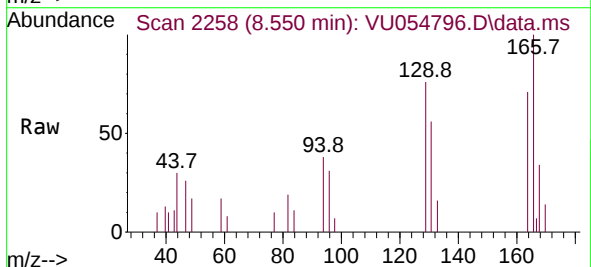
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2023-05

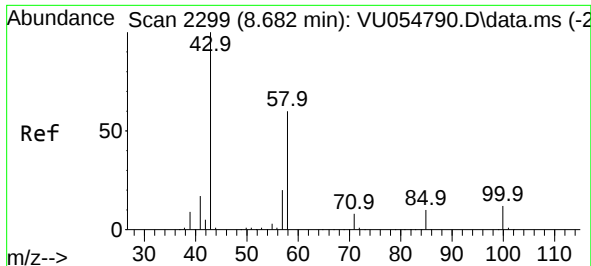
Tgt Ion: 97	Resp: 3329
Ion Ratio	Lower Upper
97 100	
99 49.8	43.3 80.5
83 75.2	60.6 112.6
85 46.0	40.5 75.3



#46
Tetrachloroethene
Concen: 1.543 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU054796.D
Acq: 17 Jul 2023 16:31

Tgt	Ion:164	Resp:	1959
Ion	Ratio	Lower	Upper
164	100		
129	108.2	66.2	123.0
131	78.8	61.9	115.1
166	150.9	89.2	165.8

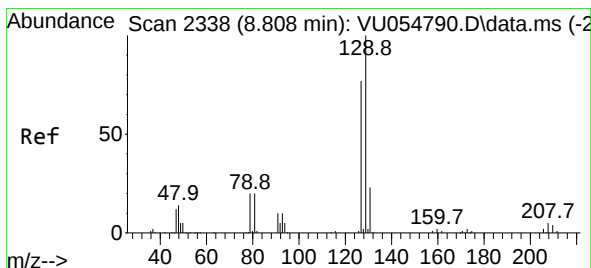
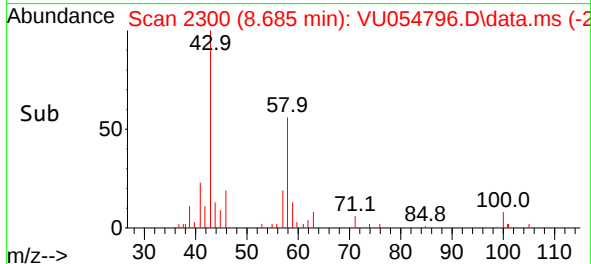
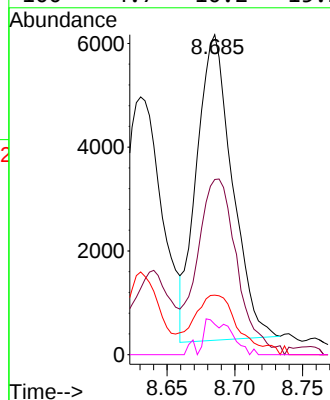
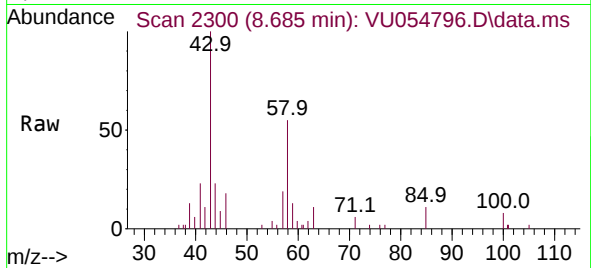




#48
2-Hexanone
Concen: 4.722 ug/L
RT: 8.685 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU054796.D
Acq: 17 Jul 2023 16:31

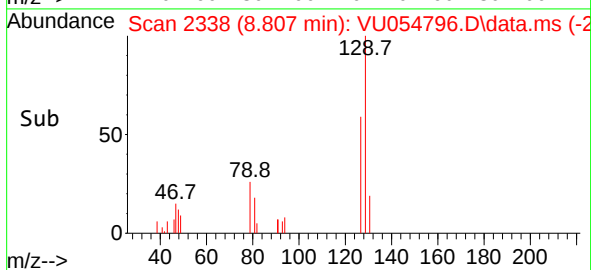
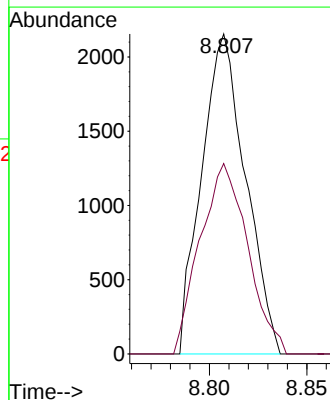
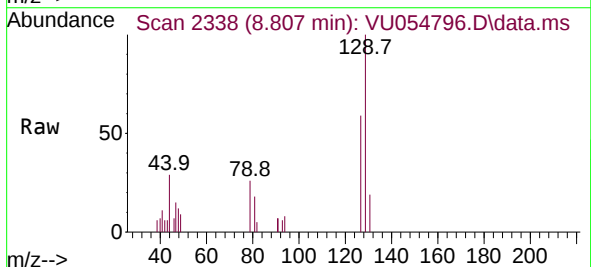
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-05

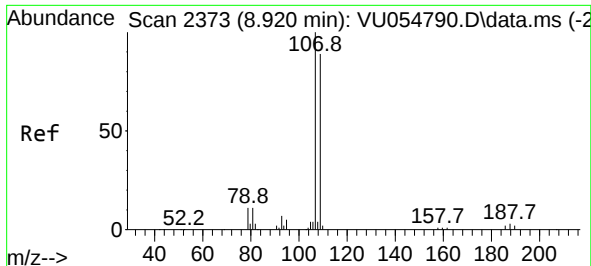
Tgt Ion: 43	Resp: 10718
Ion Ratio	Lower Upper
43 100	
58 63.8	46.5 69.7
57 22.5	15.4 23.2
100 4.7	10.2 15.2#



#49
Dibromochloromethane
Concen: 1.801 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. -0.000 min
Lab File: VU054796.D
Acq: 17 Jul 2023 16:31

Tgt Ion: 129	Resp: 3384
Ion Ratio	Lower Upper
129 100	
127 59.5	54.4 101.0





#50

1,2-Dibromoethane

Concen: 1.731 ug/L

RT: 8.923 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU054796.D

Acq: 17 Jul 2023 16:31

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2023-05

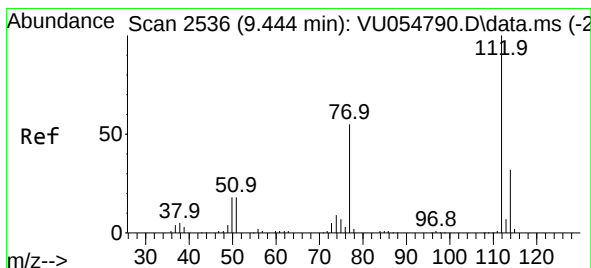
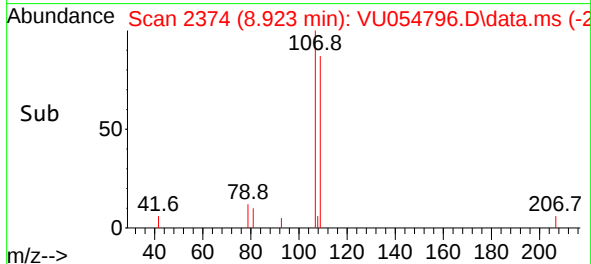
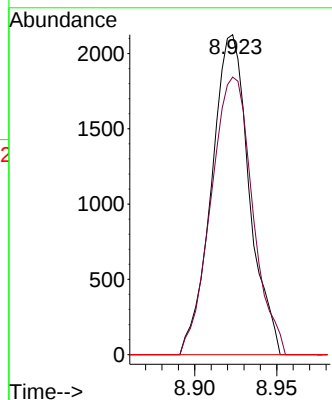
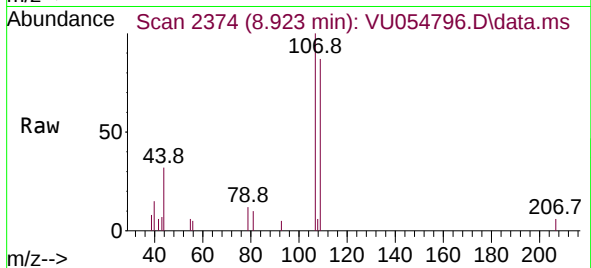
Tgt Ion:107 Resp: 3398

Ion Ratio Lower Upper

107 100

109 86.7 62.5 116.1

188 0.0 2.6 4.0#



#51

Chlorobenzene

Concen: 1.643 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. -0.000 min

Lab File: VU054796.D

Acq: 17 Jul 2023 16:31

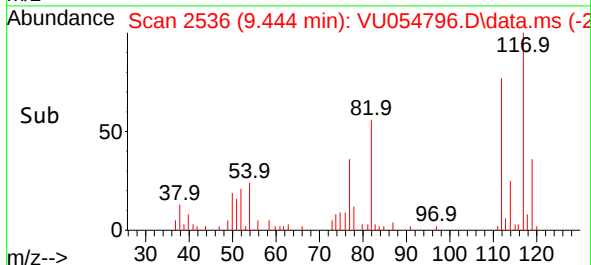
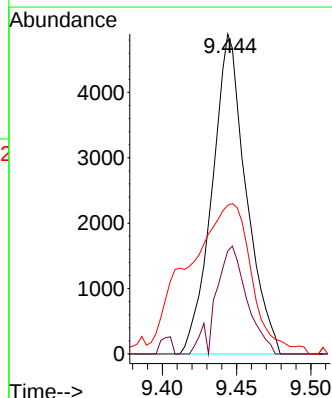
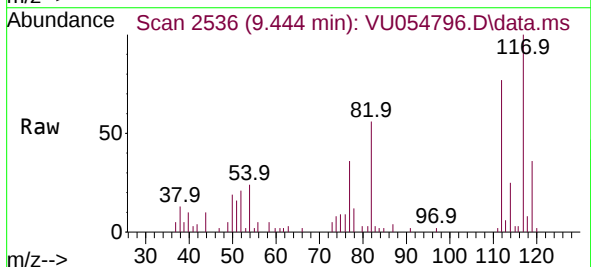
Tgt Ion:112 Resp: 7783

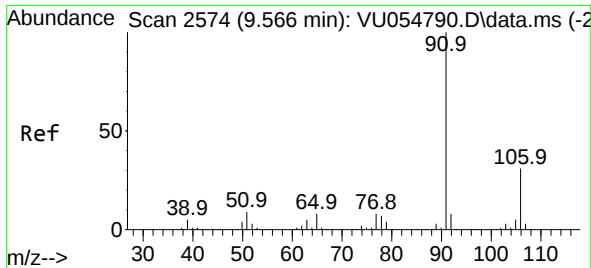
Ion Ratio Lower Upper

112 100

114 29.7 22.3 41.5

77 42.9 44.2 66.4#

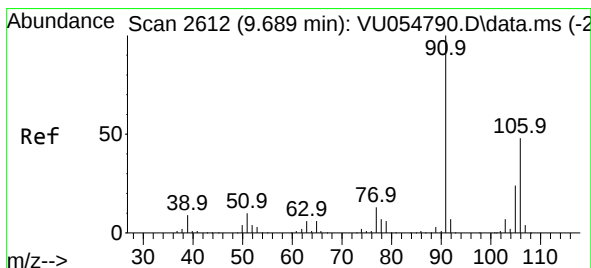
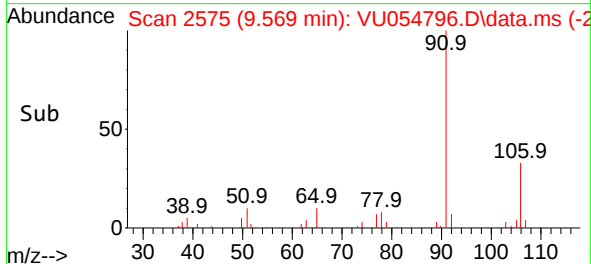
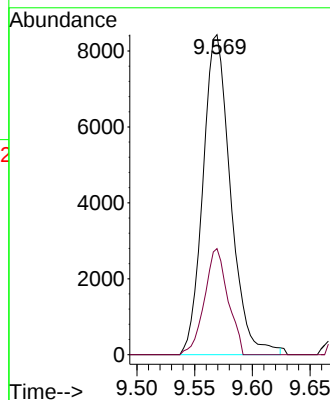
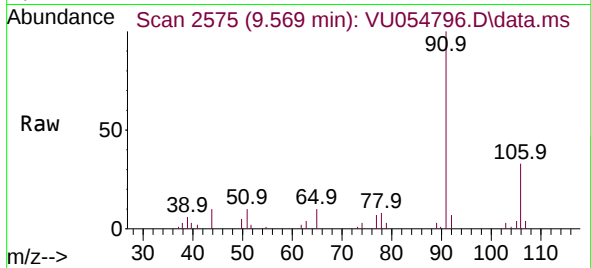




#52
Ethylbenzene
Concen: 1.666 ug/L
RT: 9.569 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU054796.D
Acq: 17 Jul 2023 16:31

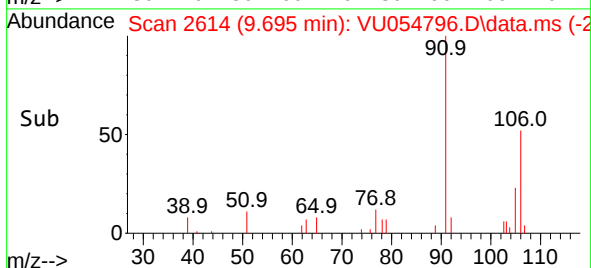
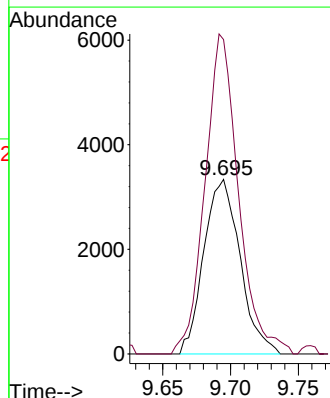
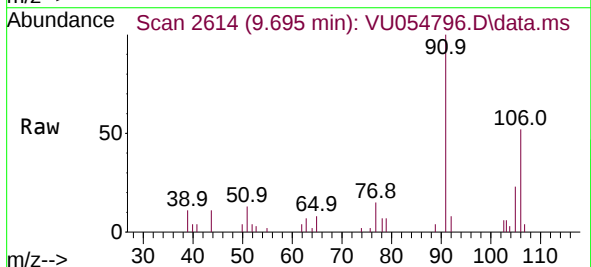
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-05

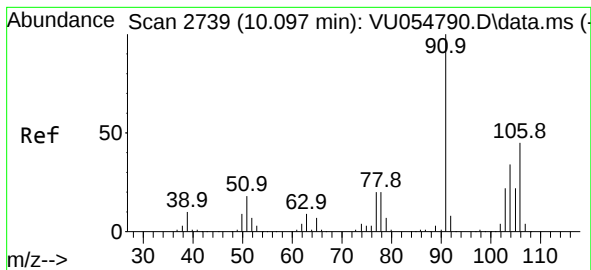
Tgt Ion: 91 Resp: 14021
Ion Ratio Lower Upper
91 100
106 37.5 23.5 43.7



#53
m,p-Xylene
Concen: 1.938 ug/L
RT: 9.695 min Scan# 2614
Delta R.T. 0.006 min
Lab File: VU054796.D
Acq: 17 Jul 2023 16:31

Tgt Ion:106 Resp: 6209
Ion Ratio Lower Upper
106 100
91 180.2 133.3 247.7





#54

o-Xylene

Concen: 1.548 ug/L

RT: 10.097 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054796.D

Acq: 17 Jul 2023 16:31

Instrument :

MSVOA_U

ClientSampleId :

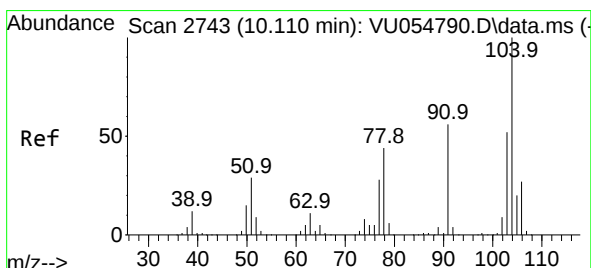
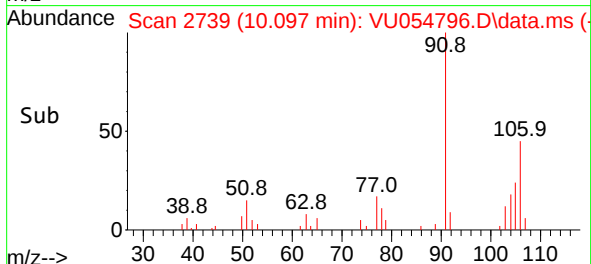
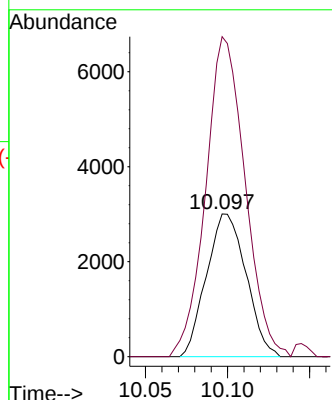
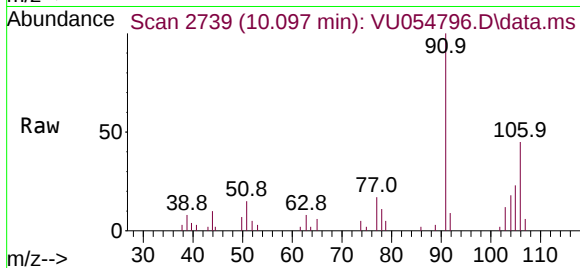
MDL-WATER-QT3-2023-05

Tgt Ion:106 Resp: 5038

Ion Ratio Lower Upper

106 100

91 213.5 142.0 263.8



#55

Styrene

Concen: 1.581 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. 0.003 min

Lab File: VU054796.D

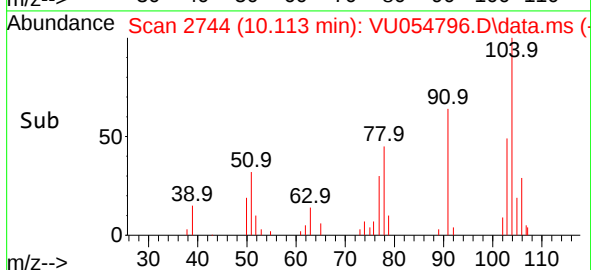
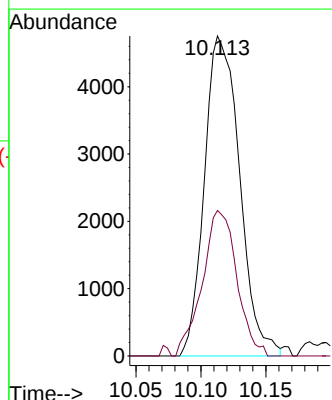
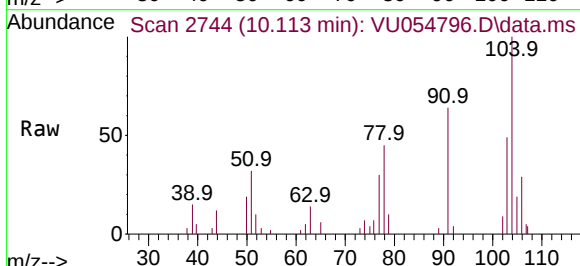
Acq: 17 Jul 2023 16:31

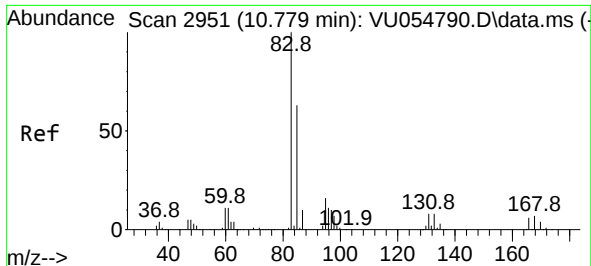
Tgt Ion:104 Resp: 8962

Ion Ratio Lower Upper

104 100

78 55.1 30.7 57.1





#57

1,1,2,2-Tetrachloroethane

Concen: 2.000 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. -0.000 min

Lab File: VU054796.D

Acq: 17 Jul 2023 16:31

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2023-05

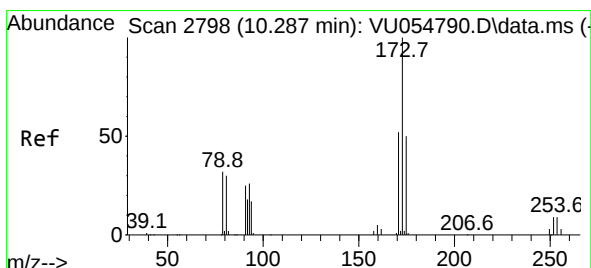
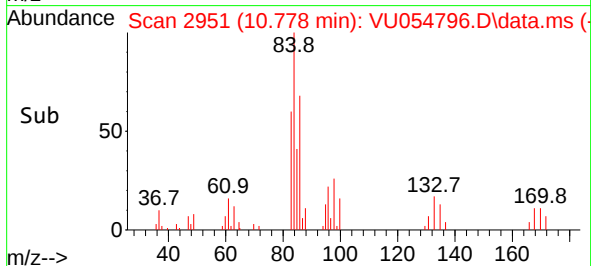
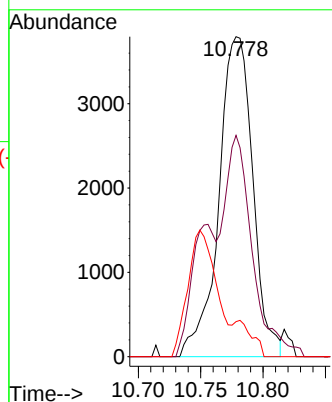
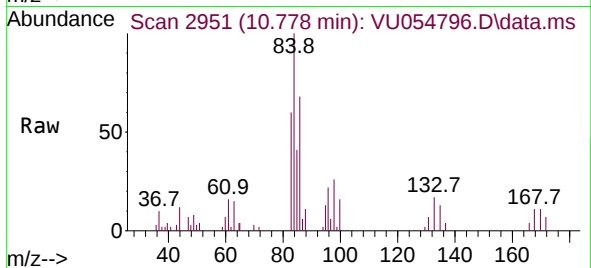
Tgt Ion: 83 Resp: 7202

Ion Ratio Lower Upper

83 100

85 69.1 43.8 81.4

131 11.0 8.7 13.1



#59

Bromoform

Concen: 0.821 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. -0.000 min

Lab File: VU054796.D

Acq: 17 Jul 2023 16:31

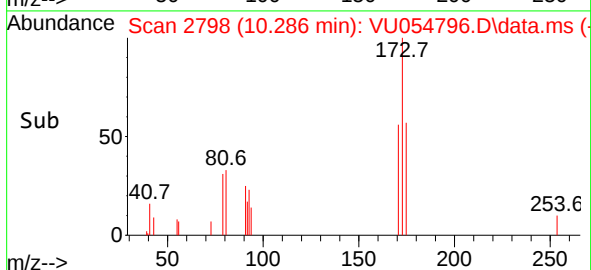
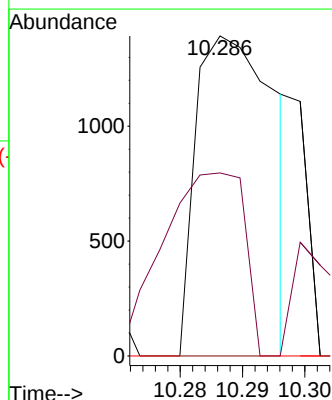
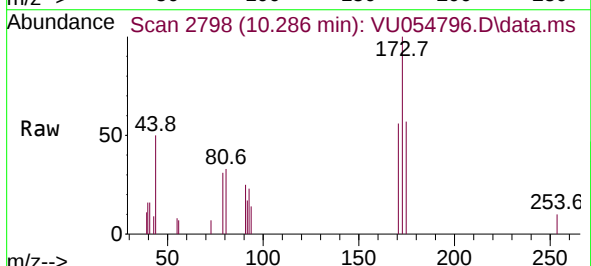
Tgt Ion:173 Resp: 1221

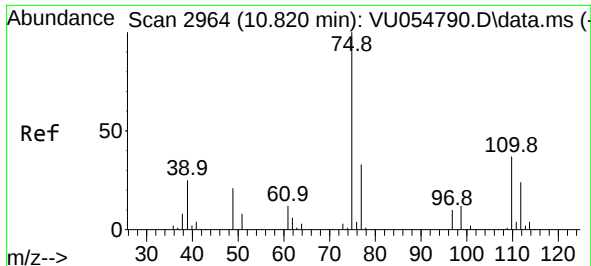
Ion Ratio Lower Upper

173 100

175 59.7 38.8 58.2#

254 0.0 2.4 3.6#

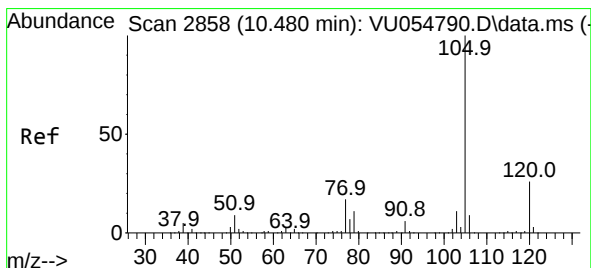
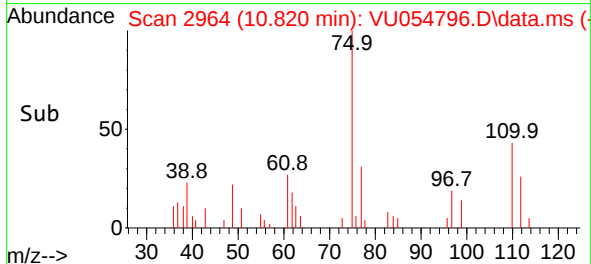
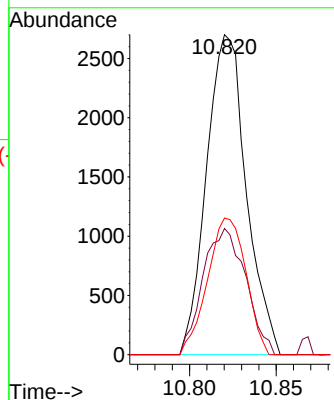
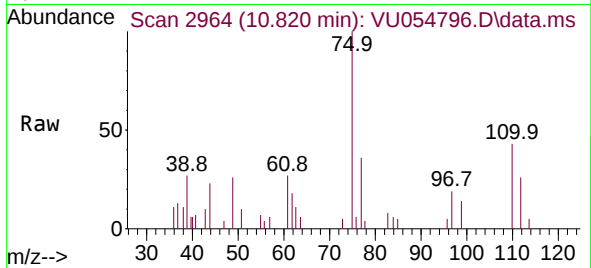




#60
1,2,3-Trichloropropane
Concen: 1.861 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. -0.000 min
Lab File: VU054796.D
Acq: 17 Jul 2023 16:31

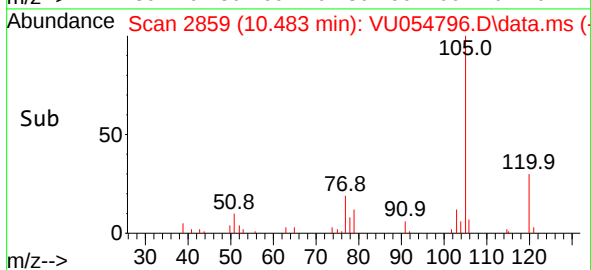
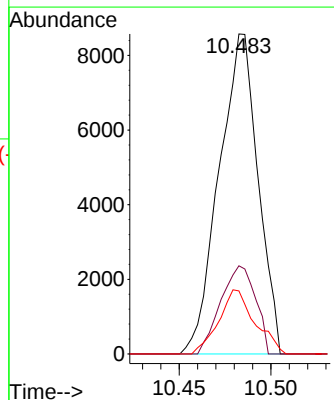
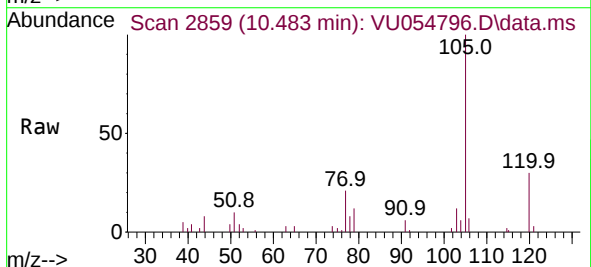
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2023-05

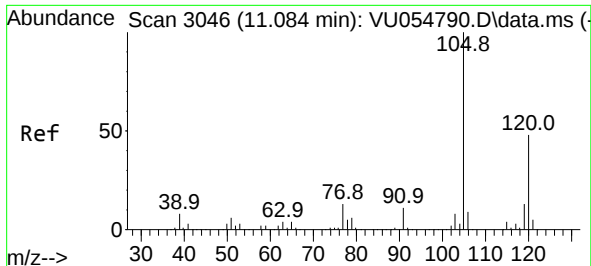
Tgt Ion: 75 Resp: 4317
Ion Ratio Lower Upper
75 100
77 42.3 26.2 39.4#
110 41.1 29.9 44.9



#61
Isopropylbenzene
Concen: 1.607 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. 0.003 min
Lab File: VU054796.D
Acq: 17 Jul 2023 16:31

Tgt Ion: 105 Resp: 12625
Ion Ratio Lower Upper
105 100
120 24.7 21.4 32.0
77 18.6 12.8 19.2

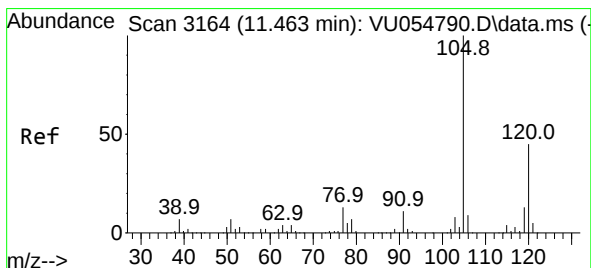
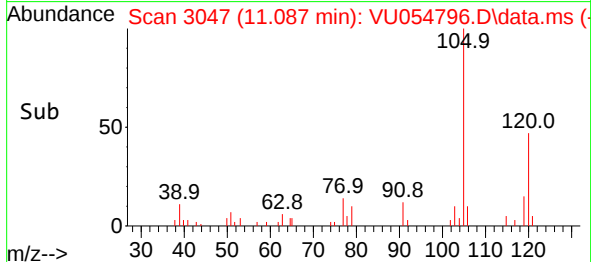
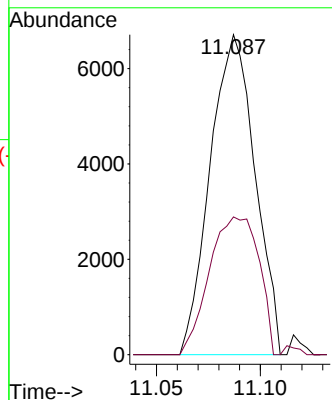
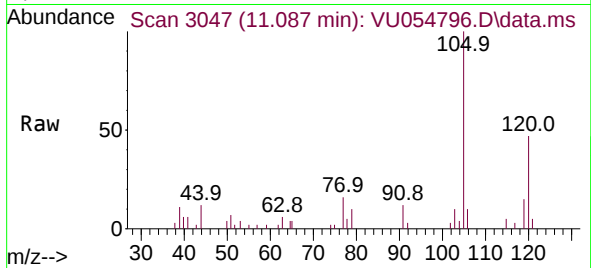




#62
1,3,5-Trimethylbenzene
Concen: 1.559 ug/L
RT: 11.087 min Scan# 3046
Delta R.T. 0.003 min
Lab File: VU054796.D
Acq: 17 Jul 2023 16:31

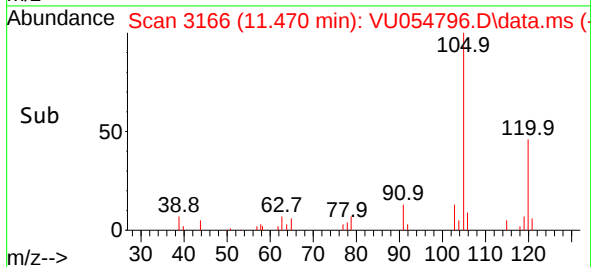
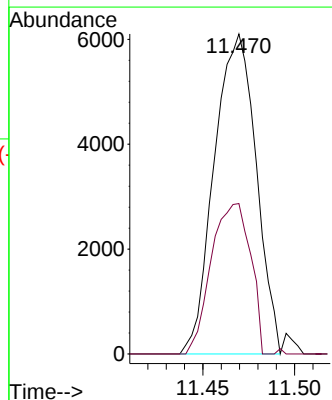
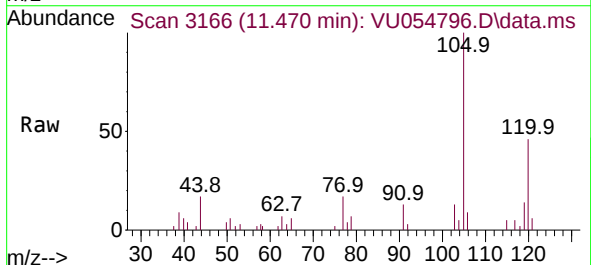
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-05

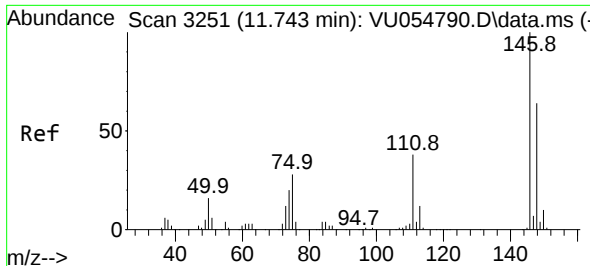
Tgt Ion:105 Resp: 10088
Ion Ratio Lower Upper
105 100
120 47.5 38.0 57.0



#63
1,2,4-Trimethylbenzene
Concen: 1.511 ug/L
RT: 11.470 min Scan# 3166
Delta R.T. 0.006 min
Lab File: VU054796.D
Acq: 17 Jul 2023 16:31

Tgt Ion:105 Resp: 9686
Ion Ratio Lower Upper
105 100
120 44.0 36.2 54.2

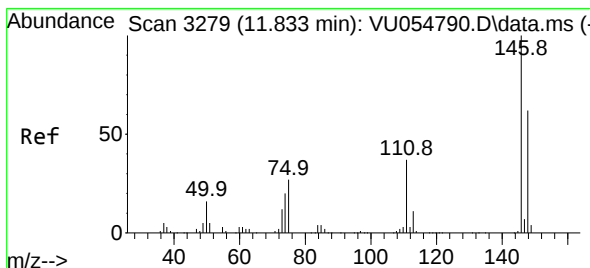
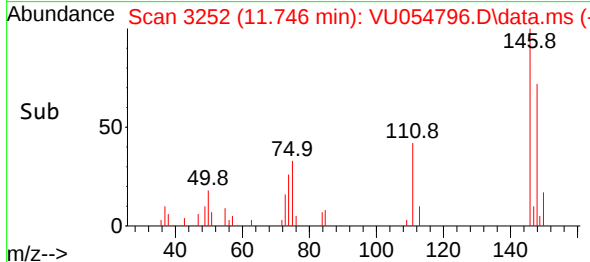
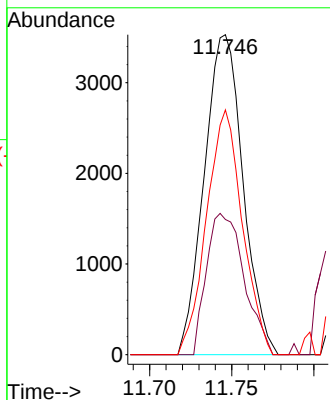
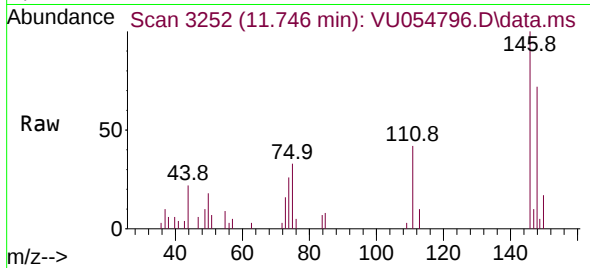




#64
1,3-Dichlorobenzene
Concen: 1.592 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU054796.D
Acq: 17 Jul 2023 16:31

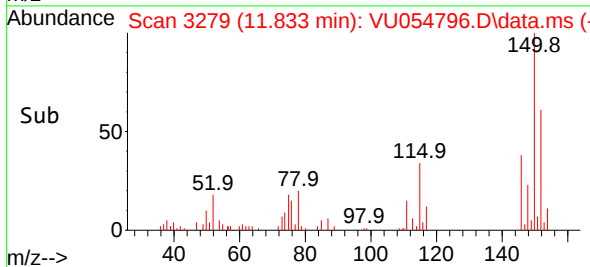
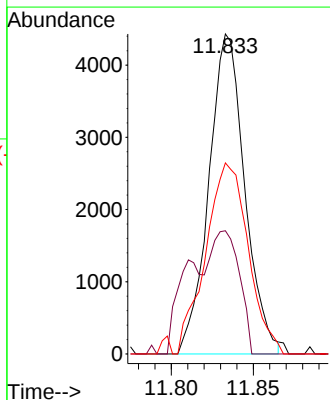
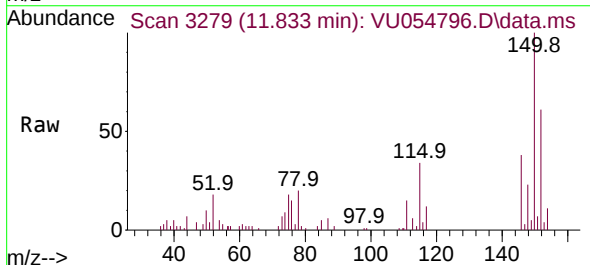
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-05

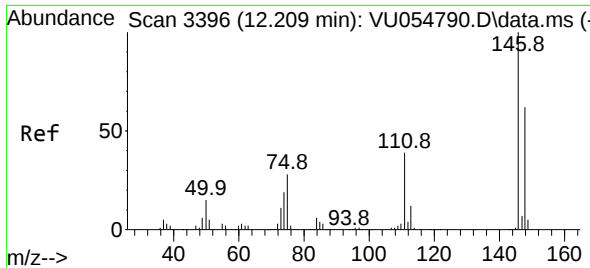
Tgt Ion:146 Resp: 5801
Ion Ratio Lower Upper
146 100
111 42.2 25.2 46.8
148 76.5 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 1.838 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU054796.D
Acq: 17 Jul 2023 16:31

Tgt Ion:146 Resp: 6744
Ion Ratio Lower Upper
146 100
111 38.5 24.1 44.8
148 59.7 41.0 76.2

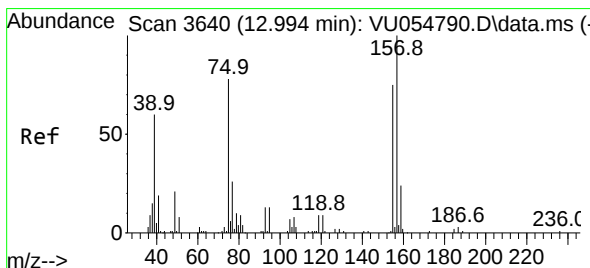
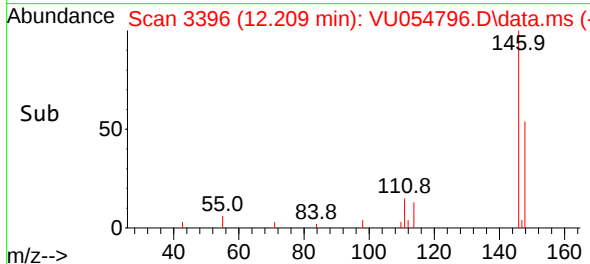
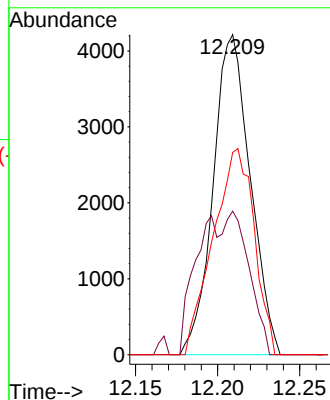
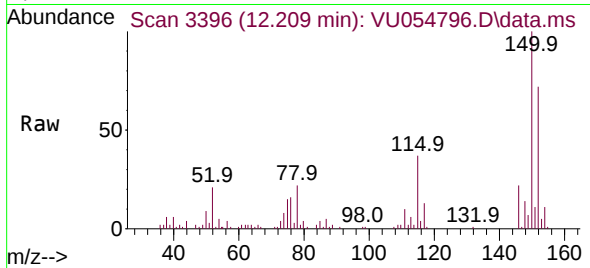




#67
1,2-Dichlorobenzene
Concen: 1.811 ug/L
RT: 12.209 min Scan# 3396
Delta R.T. -0.000 min
Lab File: VU054796.D
Acq: 17 Jul 2023 16:31

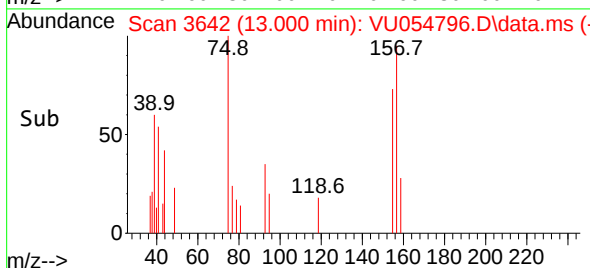
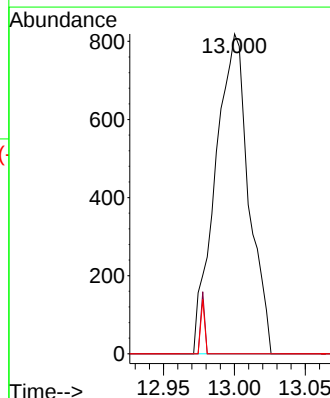
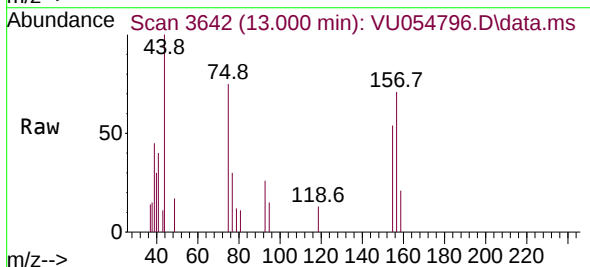
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2023-05

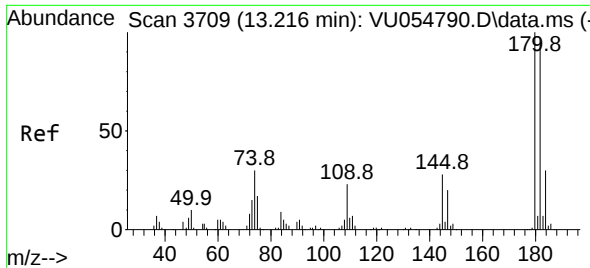
Tgt Ion:146 Resp: 6628
Ion Ratio Lower Upper
146 100
111 42.1 31.5 47.3
148 90.4 53.5 80.3#



#68
1,2-Dibromo-3-chloropropane
Concen: 2.174 ug/L
RT: 13.000 min Scan# 3642
Delta R.T. 0.006 min
Lab File: VU054796.D
Acq: 17 Jul 2023 16:31

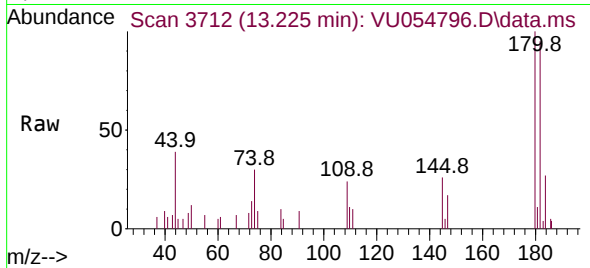
Tgt Ion: 75 Resp: 1348
Ion Ratio Lower Upper
75 100
155 0.0 80.6 121.0#
157 0.0 106.5 159.7#



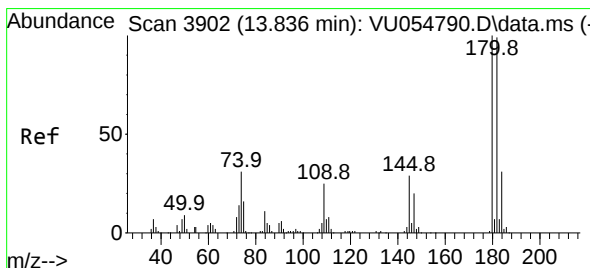
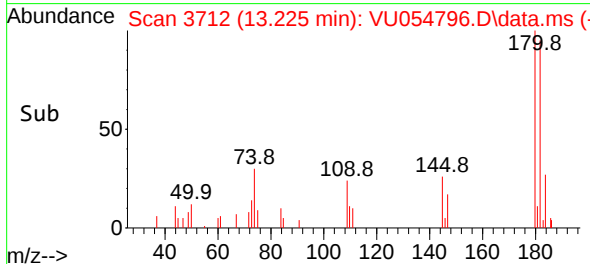
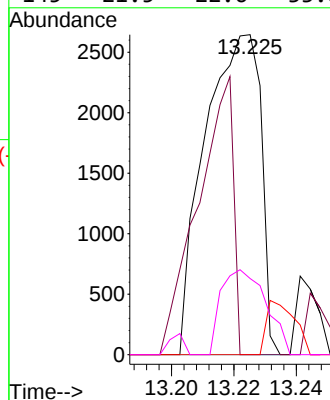


#69
1,3,5-Trichlorobenzene
Concen: 1.350 ug/L
RT: 13.225 min Scan# 31
Delta R.T. 0.009 min
Lab File: VU054796.D
Acq: 17 Jul 2023 16:31

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-05

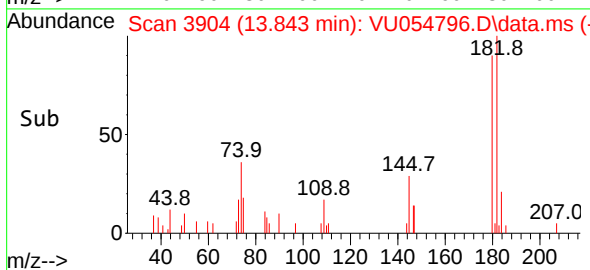
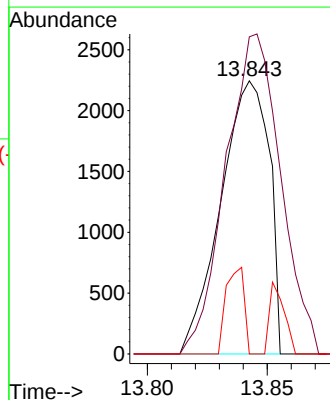
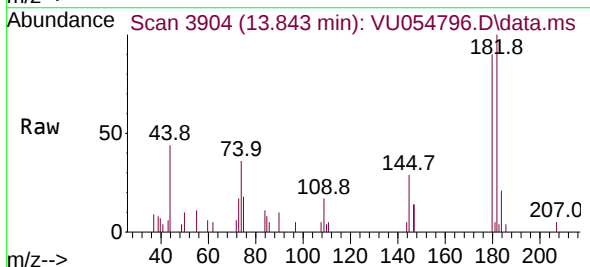


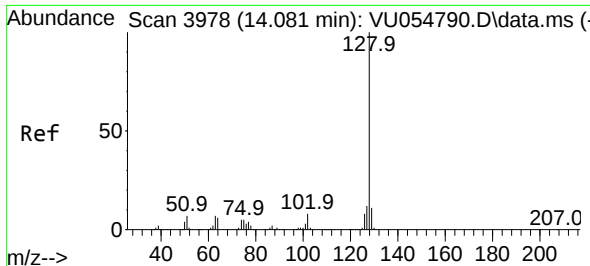
Tgt Ion:180 Resp: 3298
Ion Ratio Lower Upper
180 100
182 55.0 76.7 115.1#
184 0.0 23.4 35.0#
145 21.5 22.6 33.8#



#70
1,2,4-trichlorobenzene
Concen: 1.490 ug/L
RT: 13.843 min Scan# 3904
Delta R.T. 0.006 min
Lab File: VU054796.D
Acq: 17 Jul 2023 16:31

Tgt Ion:180 Resp: 3142
Ion Ratio Lower Upper
180 100
182 133.1 76.8 115.2#
145 11.9 23.0 34.6#

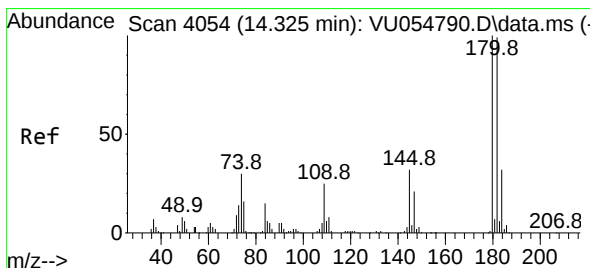
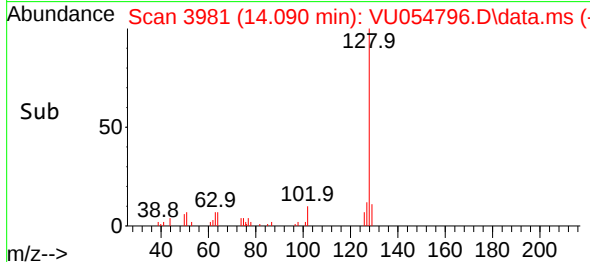
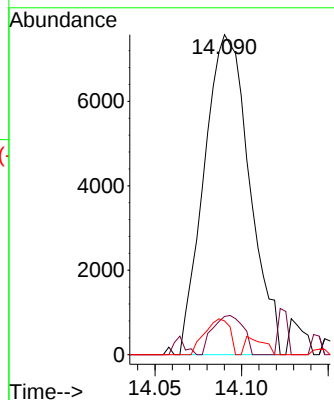
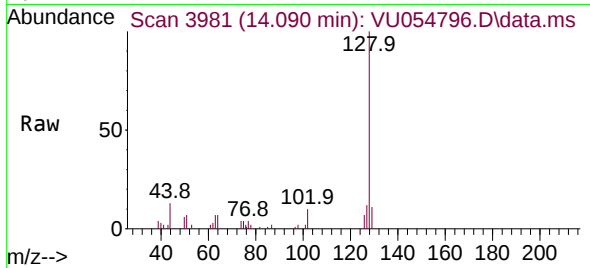




#71
Naphthalene
Concen: 1.997 ug/L
RT: 14.090 min Scan# 3981
Delta R.T. 0.009 min
Lab File: VU054796.D
Acq: 17 Jul 2023 16:31

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-05

Tgt Ion:128 Resp: 13819
Ion Ratio Lower Upper
128 100
127 8.2 10.0 15.0#
129 6.1 8.6 13.0#



#72
1,2,3-Trichlorobenzene
Concen: 1.593 ug/L
RT: 14.328 min Scan# 4055
Delta R.T. 0.003 min
Lab File: VU054796.D
Acq: 17 Jul 2023 16:31

Tgt Ion:180 Resp: 3270
Ion Ratio Lower Upper
180 100
182 99.8 76.6 115.0
145 23.3 25.4 38.2#

