

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080124\
 Data File : VU060289.D
 Acq On : 01 Aug 2024 10:52
 Operator : MD/SY
 Sample : P3391-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2024-06

Quant Time: Aug 02 02:46:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM070224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 02 02:32:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	221434	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	230743	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	92861	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	79624	56.004	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 112.000%			
7) Chloroethane-d5	1.901	69	64275	53.747	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 107.500%			
11) 1,1-Dichloroethene-d2	2.557	63	94671	37.481	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 74.960%			
21) 2-Butanone-d5	4.615	46	102813	104.055	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 104.060%			
24) Chloroform-d	5.055	84	128174	46.553	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 93.100%			
26) 1,2-Dichloroethane-d4	5.692	65	78972	48.240	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.480%			
32) Benzene-d6	5.721	84	261926	44.329	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 88.660%			
36) 1,2-Dichloropropane-d6	6.682	67	89076	48.709	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 97.420%			
41) Toluene-d8	7.891	98	221629	39.443	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 78.880%#			
43) trans-1,3-Dichloroprop...	8.174	79	36392	42.528	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 85.060%			
47) 2-Hexanone-d5	8.627	63	57222	74.247	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 74.250%			
56) 1,1,2,2-Tetrachloroeth...	10.749	84	126748	45.157	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 90.320%			
66) 1,2-Dichlorobenzene-d4	12.187	152	77680	45.522	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 91.040%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	2972	2.161	ug/L	94
3) Chloromethane	1.518	50	4411	3.269	ug/L	95
5) Vinyl chloride	1.602	62	4529	2.859	ug/L #	73
6) Bromomethane	1.843	94	2653	3.188	ug/L	96
8) Chloroethane	1.927	64	2846	2.759	ug/L	96
9) Trichlorofluoromethane	2.129	101	5394	2.446	ug/L	92
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	4525	3.223	ug/L #	78
12) 1,1-Dichloroethene	2.573	96	3698	2.817	ug/L #	1
13) Acetone	2.621	43	4649	4.569	ug/L	97
14) Carbon disulfide	2.788	76	7380	2.227	ug/L #	92
15) Methyl Acetate	2.949	43	4100	2.673	ug/L	94
16) Methylene chloride	3.039	84	6374	3.850	ug/L	93
17) trans-1,2-Dichloroethene	3.348	96	3036	2.246	ug/L	86
18) Methyl tert-butyl Ether	3.357	73	10546	2.402	ug/L	98
19) 1,1-Dichloroethane	3.862	63	7158	2.792	ug/L	97
20) cis-1,2-Dichloroethene	4.656	96	3667	2.240	ug/L	84
22) 2-Butanone	4.840	43	91	0.073	ug/L	82
23) Bromochloromethane	4.972	128	2135	2.473	ug/L	91
25) Chloroform	5.078	83	8359	3.030	ug/L	93

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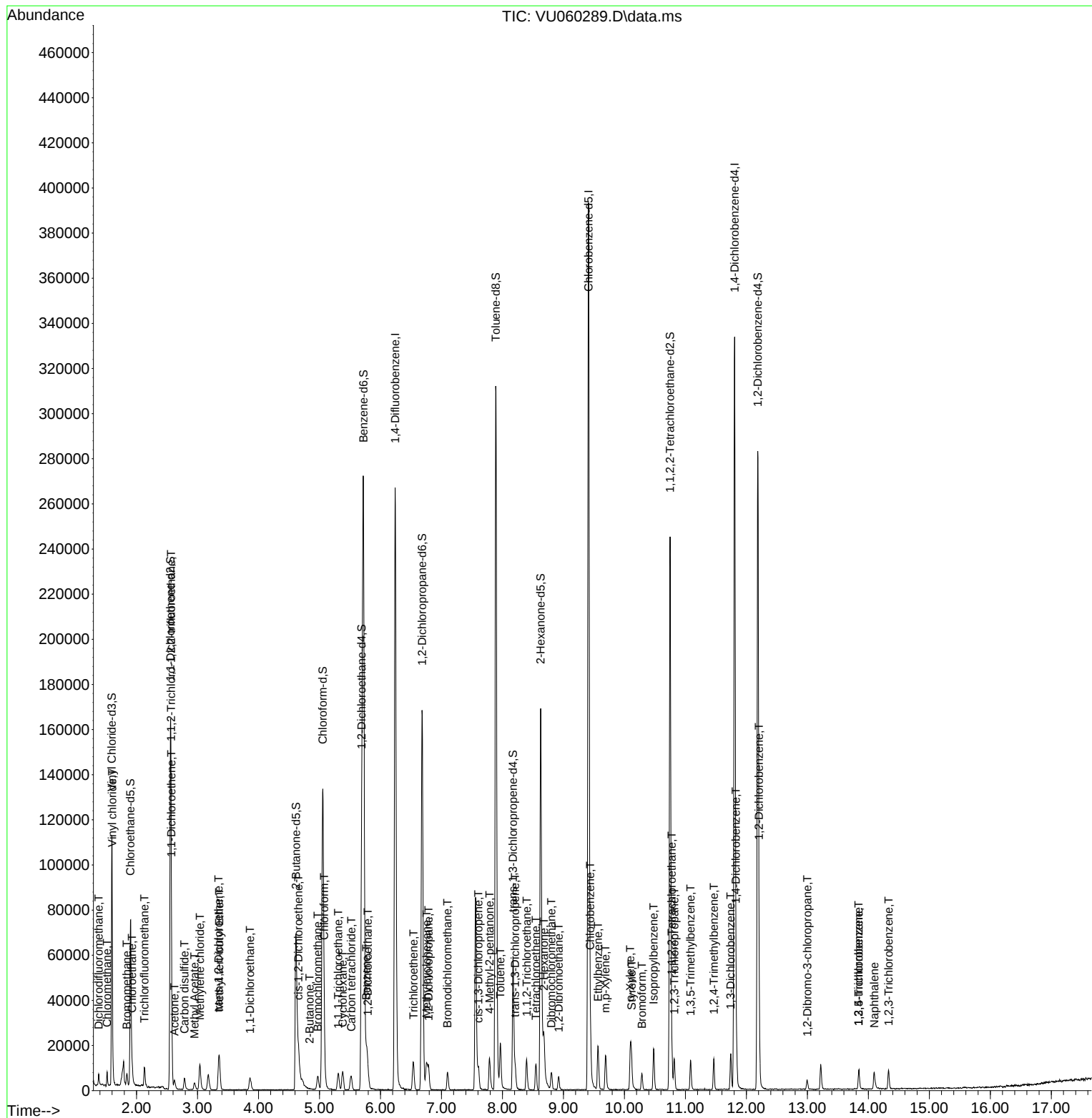
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	5793	2.766	ug/L	98
29) Cyclohexane	5.383	56	3981	1.927	ug/L #	91
30) 1,1,1-Trichloroethane	5.309	97	5607	2.346	ug/L	98
31) Carbon tetrachloride	5.521	117	4583	2.321	ug/L	93
33) Benzene	5.769	78	15442	2.478	ug/L	100
34) Trichloroethene	6.544	95	3979	2.393	ug/L	94
35) Methylcyclohexane	6.759	83	3932	1.712	ug/L #	87
37) 1,2-Dichloropropane	6.788	63	4732	2.759	ug/L #	88
38) Bromodichloromethane	7.100	83	5785	2.662	ug/L #	95
39) cis-1,3-Dichloropropene	7.605	75	6393	2.436	ug/L	91
40) 4-Methyl-2-pentanone	7.788	43	10077	4.649	ug/L #	91
42) Toluene	7.965	91	15120	2.223	ug/L	93
44) trans-1,3-Dichloropropene	8.206	75	7078	2.937	ug/L	93
45) 1,1,2-Trichloroethane	8.399	97	4995	2.781	ug/L	92
46) Tetrachloroethene	8.550	164	2861	2.092	ug/L	94
48) 2-Hexanone	8.682	43	13650	7.524	ug/L #	84
49) Dibromochloromethane	8.801	129	4378	2.474	ug/L	95
50) 1,2-Dibromoethane	8.923	107	4338	2.310	ug/L #	93
51) Chlorobenzene	9.441	112	10520	2.330	ug/L	93
52) Ethylbenzene	9.566	91	15103	2.079	ug/L	99
53) m,p-Xylene	9.688	106	4687	1.657	ug/L	87
54) o-Xylene	10.097	106	4821	1.773	ug/L	96
55) Styrene	10.119	104	8098	1.765	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.775	83	8414	2.778	ug/L #	99
59) Bromoform	10.286	173	3583	3.191	ug/L #	89
60) 1,2,3-Trichloropropane	10.817	75	6135	3.481	ug/L #	89
61) Isopropylbenzene	10.479	105	12017	2.220	ug/L	98
62) 1,3,5-Trimethylbenzene	11.087	105	7786	1.965	ug/L	96
63) 1,2,4-Trimethylbenzene	11.467	105	7588	1.788	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	7157	2.549	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	7350	2.533	ug/L	95
67) 1,2-Dichlorobenzene	12.206	146	8030	2.832	ug/L	95
68) 1,2-Dibromo-3-chloropr...	13.000	75	1486	3.083	ug/L #	73
69) 1,3,5-Trichlorobenzene	13.843	180	3811	1.883	ug/L	92
70) 1,2,4-trichlorobenzene	13.843	180	3811	2.089	ug/L	91
71) Naphthalene	14.097	128	9261	1.757	ug/L #	90
72) 1,2,3-Trichlorobenzene	14.331	180	3065	1.675	ug/L	85

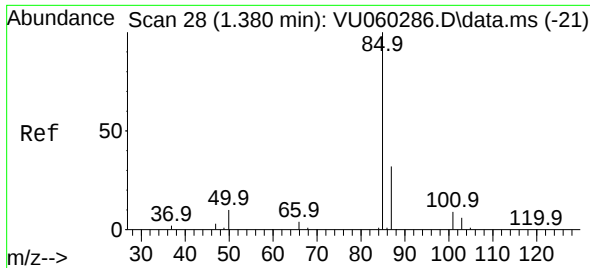
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Quant Title : VOC Analysis
QLast Update : Fri Aug 02 02:32:23 2024
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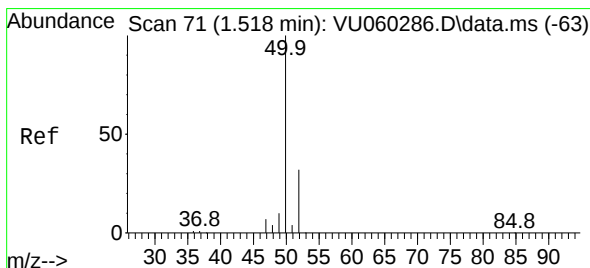
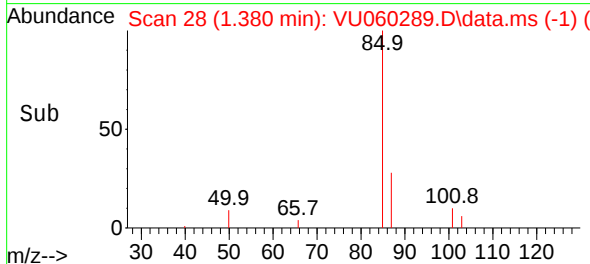
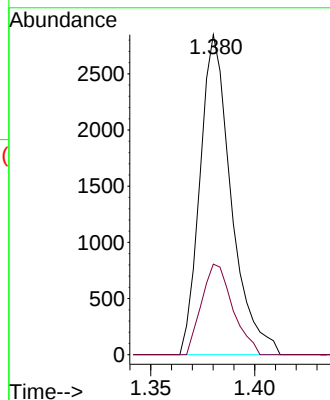
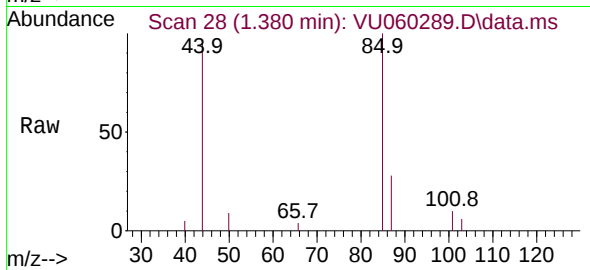




#2
 Dichlorodifluoromethane
 Concen: 2.161 ug/L
 RT: 1.380 min Scan# 28
 Delta R.T. -0.000 min
 Lab File: VU060289.D
 Acq: 01 Aug 2024 10:52

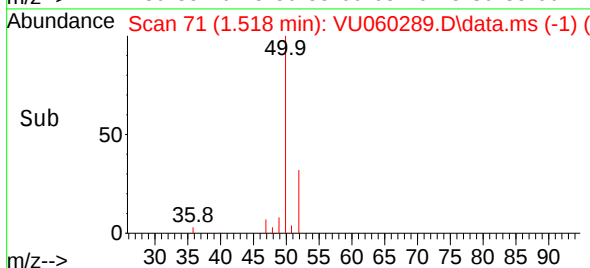
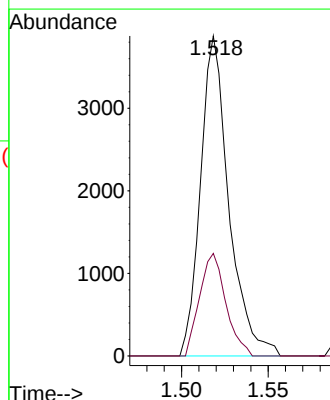
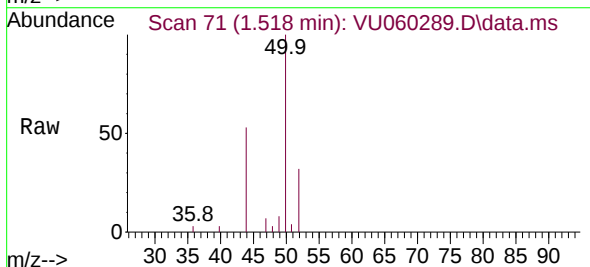
Instrument : MSVOA_U
 ClientSampleId : MDL-WATER-QT3-2024-06

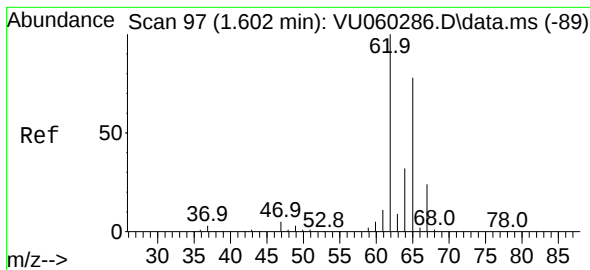
Tgt Ion: 85 Resp: 2972
 Ion Ratio Lower Upper
 85 100
 87 28.3 25.4 38.2



#3
 Chloromethane
 Concen: 3.269 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU060289.D
 Acq: 01 Aug 2024 10:52

Tgt Ion: 50 Resp: 4411
 Ion Ratio Lower Upper
 50 100
 52 32.0 24.5 45.5





#5

Vinyl chloride

Concen: 2.859 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU060289.D

Acq: 01 Aug 2024 10:52

Instrument :

MSVOA_U

ClientSampleId :

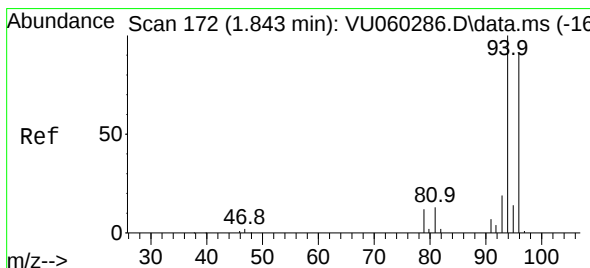
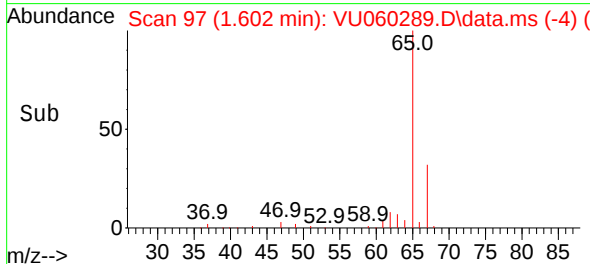
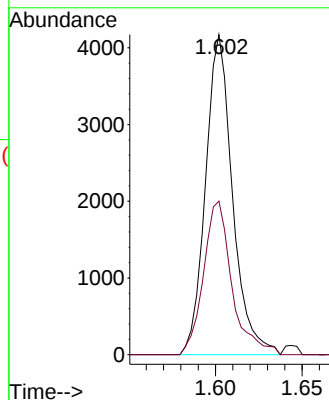
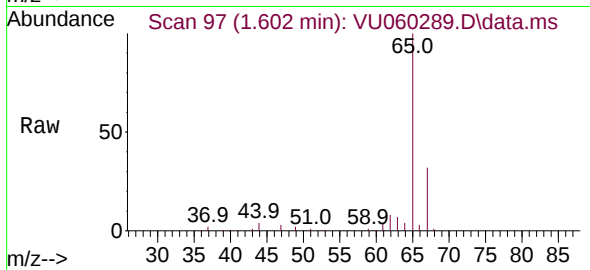
MDL-WATER-QT3-2024-06

Tgt Ion: 62 Resp: 4529

Ion Ratio Lower Upper

62 100

64 48.0 22.9 42.5#



#6

Bromomethane

Concen: 3.188 ug/L

RT: 1.843 min Scan# 172

Delta R.T. -0.000 min

Lab File: VU060289.D

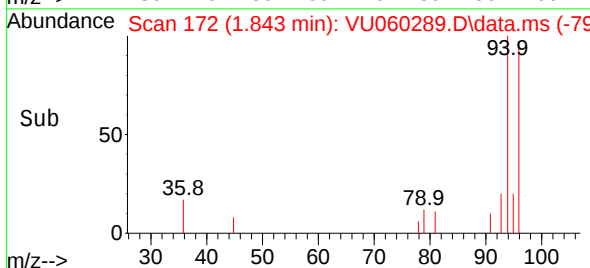
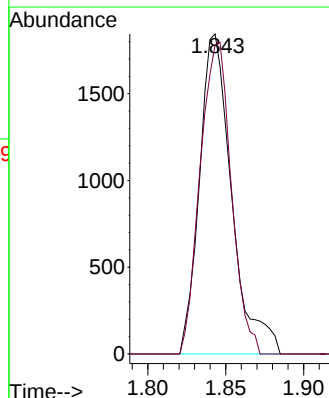
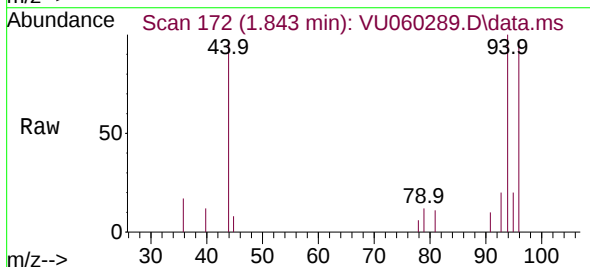
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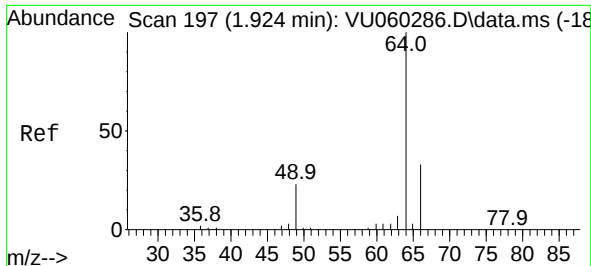
Tgt Ion: 94 Resp: 2653

Ion Ratio Lower Upper

94 100

96 96.6 65.2 121.2

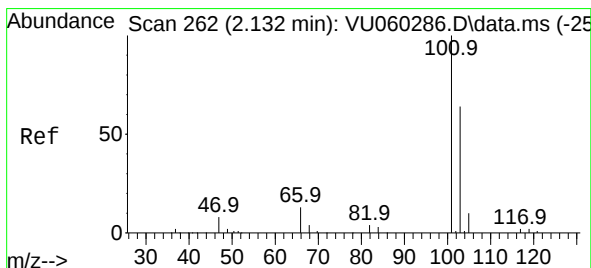
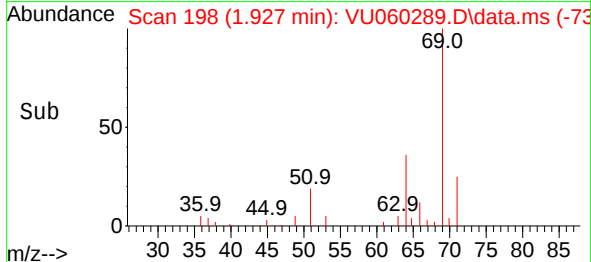
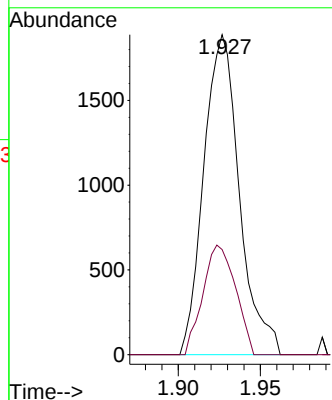
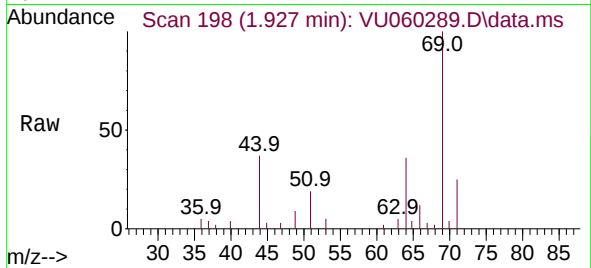




#8
Chloroethane
Concen: 2.759 ug/L
RT: 1.927 min Scan# 198
Delta R.T. 0.003 min
Lab File: VU060289.D
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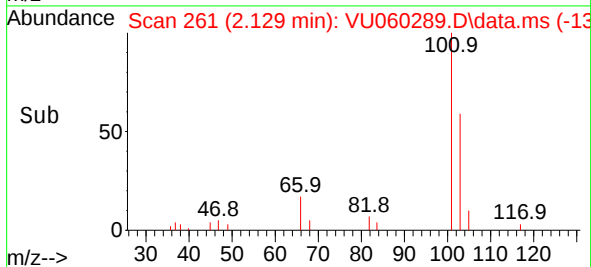
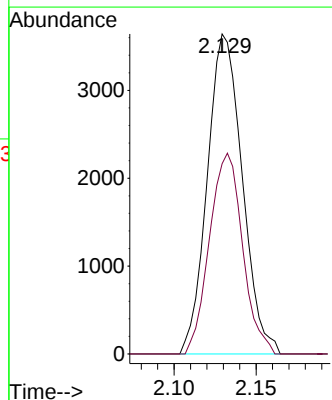
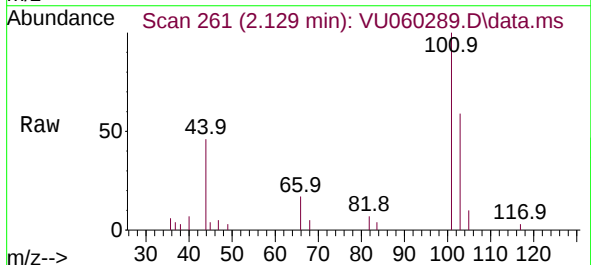
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MDL-WATER-QT3-2024-06

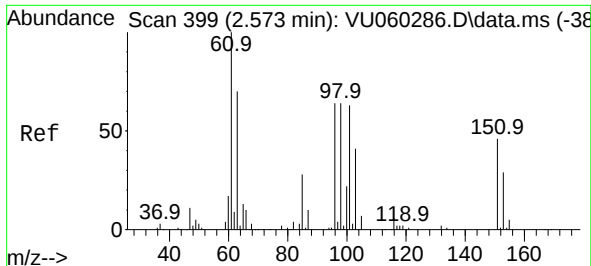
Tgt Ion: 64 Resp: 2846
Ion Ratio Lower Upper
64 100
66 29.6 22.3 41.3



#9
Trichlorofluoromethane
Concen: 2.446 ug/L
RT: 2.129 min Scan# 261
Delta R.T. -0.003 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

Tgt Ion:101 Resp: 5394
Ion Ratio Lower Upper
101 100
103 59.4 52.3 78.5





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 3.223 ug/L

RT: 2.567 min Scan# 397

Delta R.T. -0.006 min

Lab File: VU060289.D

Acq: 01 Aug 2024 10:52

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2024-06

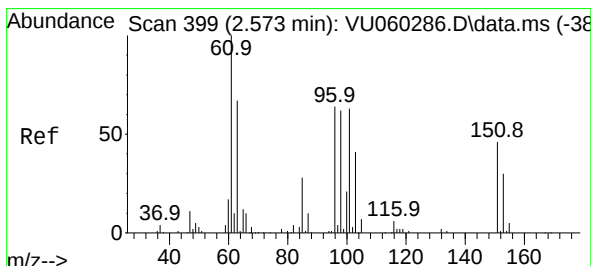
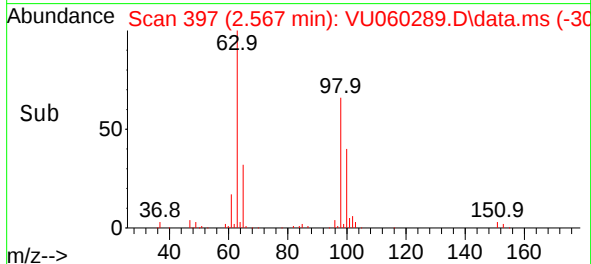
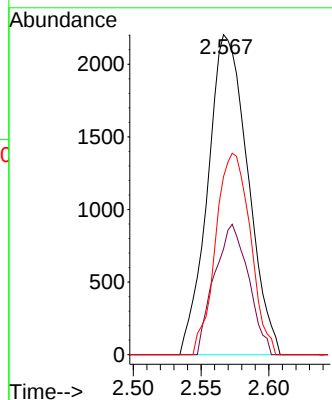
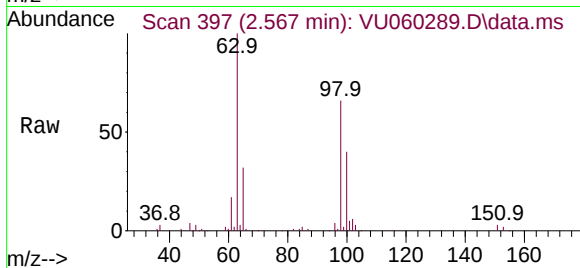
Tgt Ion:101 Resp: 4525

Ion Ratio Lower Upper

101 100

85 34.7 34.8 52.2#

151 54.5 62.3 93.5#



#12

1,1-Dichloroethene

Concen: 2.817 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.000 min

Lab File: VU060289.D

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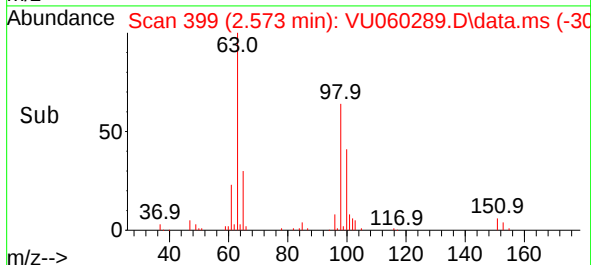
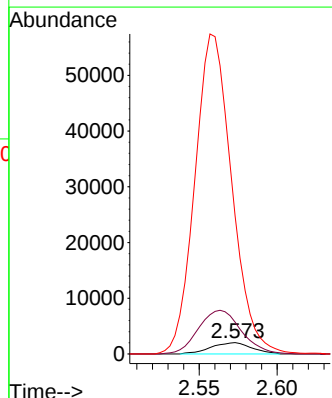
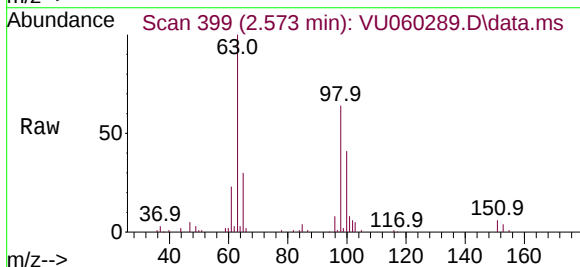
Tgt Ion: 96 Resp: 3698

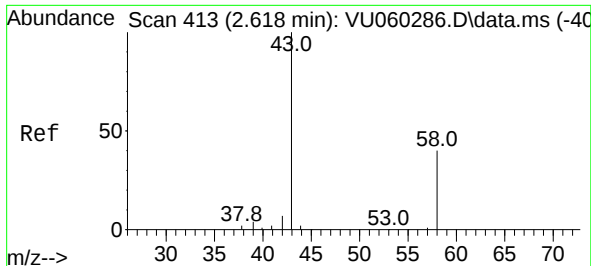
Ion Ratio Lower Upper

96 100

61 281.7 112.2 208.4#

63 1220.3 87.4 162.2#

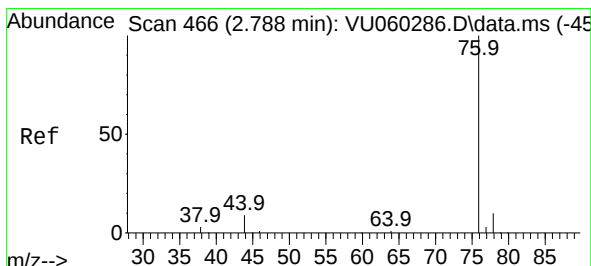
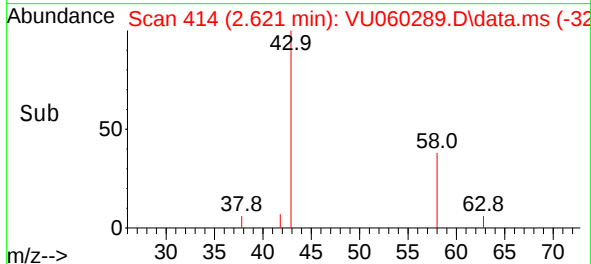
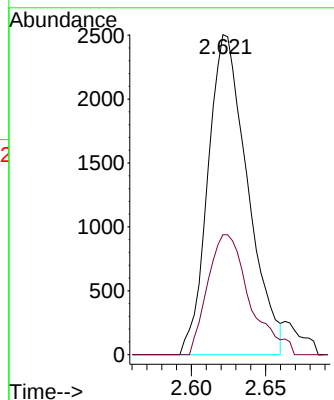
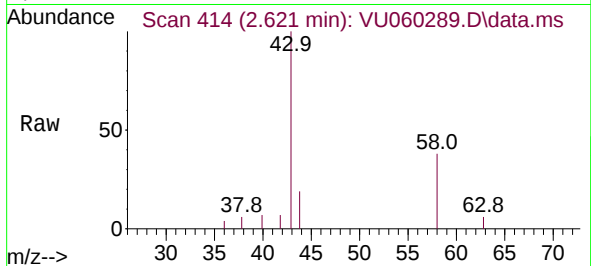




#13
Acetone
Concen: 4.569 ug/L
RT: 2.621 min Scan# 413
Delta R.T. 0.003 min
Lab File: VU060289.D
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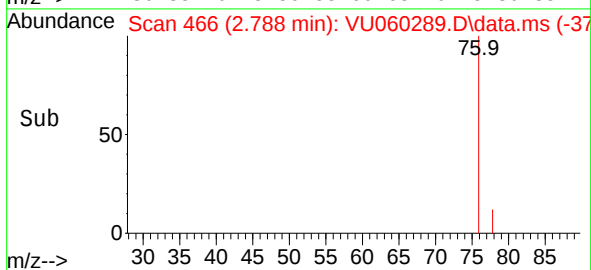
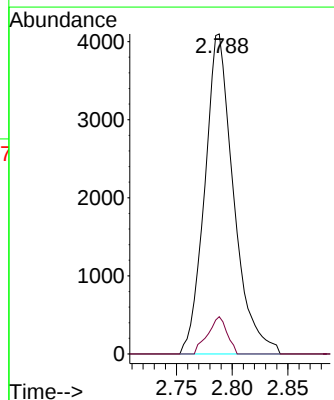
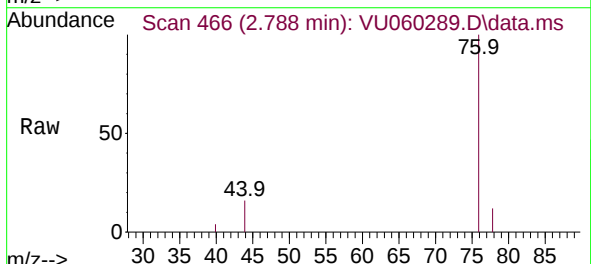
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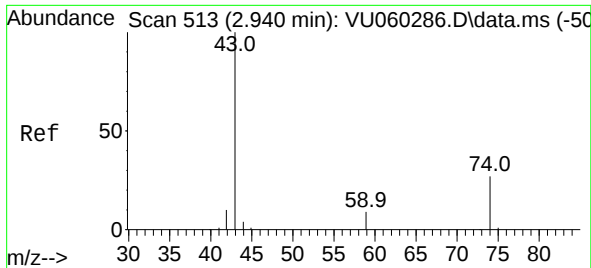
Tgt Ion: 43 Resp: 4649
Ion Ratio Lower Upper
43 100
58 38.7 0.0 73.8



#14
Carbon disulfide
Concen: 2.227 ug/L
RT: 2.788 min Scan# 466
Delta R.T. -0.000 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

Tgt Ion: 76 Resp: 7380
Ion Ratio Lower Upper
76 100
78 11.7 7.0 10.4#





#15

Methyl Acetate

Concen: 2.673 ug/L

RT: 2.949 min Scan# 51

Delta R.T. 0.010 min

Lab File: VU060289.D

Acq: 01 Aug 2024 10:52

Instrument :

MSVOA_U

ClientSampleId :

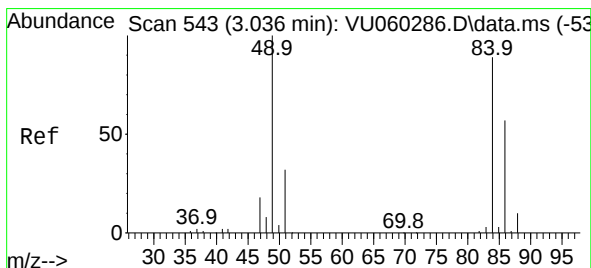
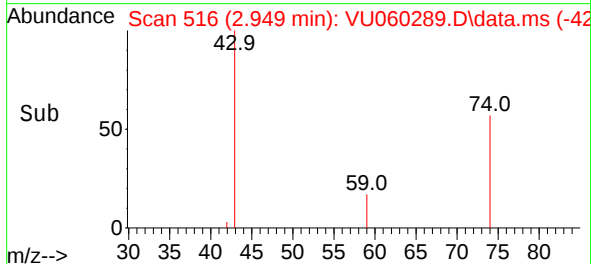
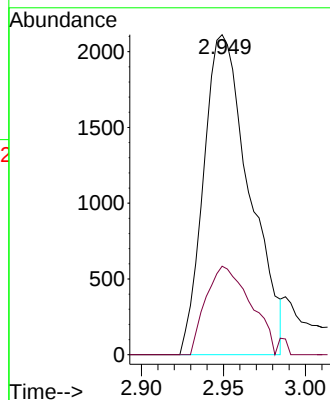
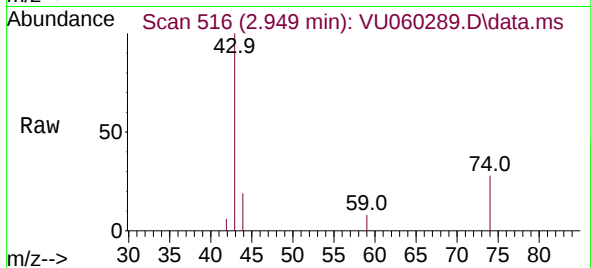
MDL-WATER-QT3-2024-06

Tgt Ion: 43 Resp: 4100

Ion Ratio Lower Upper

43 100

74 26.9 24.1 36.1



#16

Methylene chloride

Concen: 3.850 ug/L

RT: 3.039 min Scan# 544

Delta R.T. 0.003 min

Lab File: VU060289.D

Acq: 01 Aug 2024 10:52

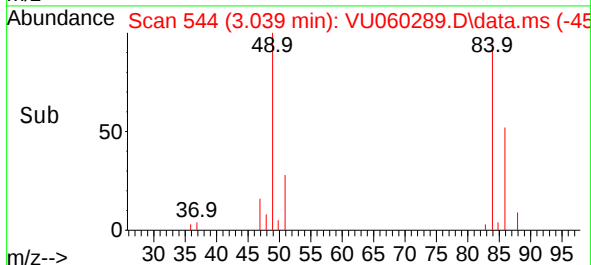
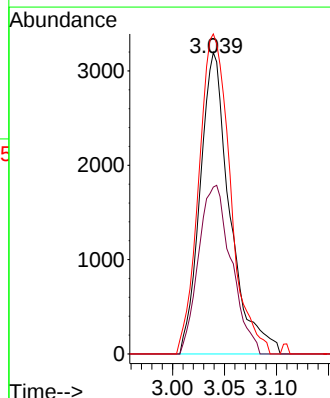
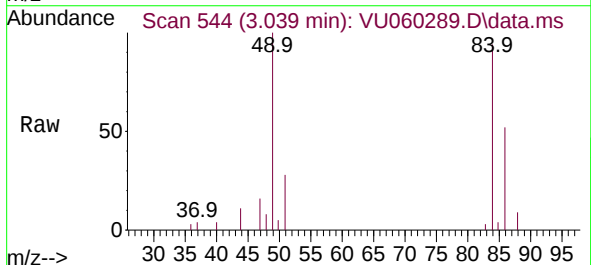
Tgt Ion: 84 Resp: 6374

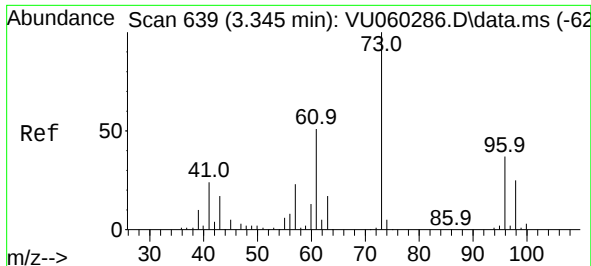
Ion Ratio Lower Upper

84 100

86 55.4 44.7 83.1

49 106.2 71.6 133.0





#17

trans-1,2-Dichloroethene

Concen: 2.246 ug/L

RT: 3.348 min Scan# 640

Delta R.T. 0.003 min

Lab File: VU060289.D

Acq: 01 Aug 2024 10:52

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2024-06

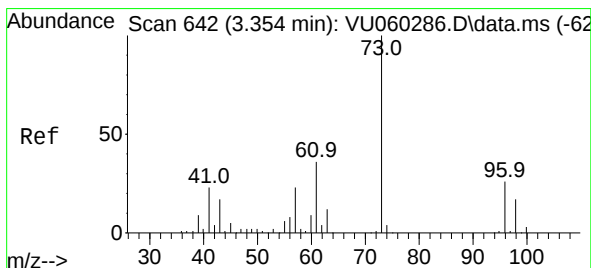
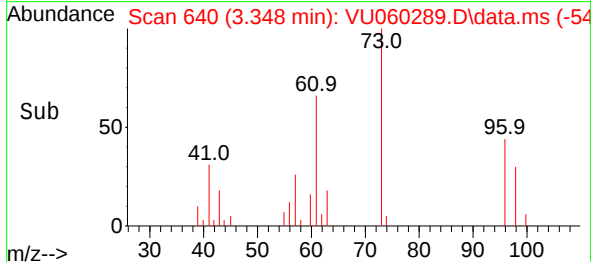
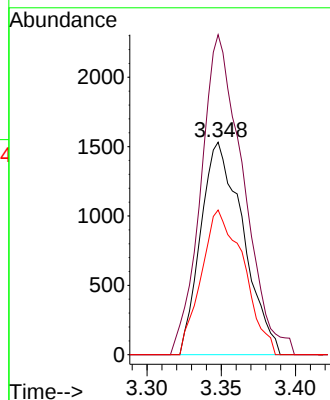
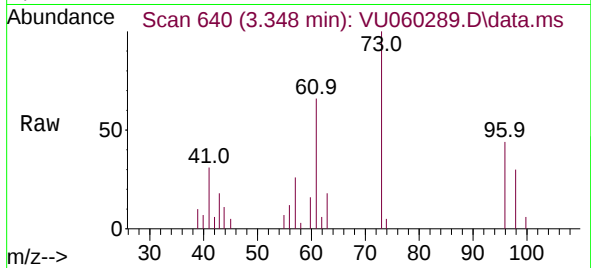
Tgt Ion: 96 Resp: 3036

Ion Ratio Lower Upper

96 100

61 150.6 90.6 168.3

98 68.1 44.9 83.3



#18

Methyl tert-butyl Ether

Concen: 2.402 ug/L

RT: 3.357 min Scan# 643

Delta R.T. 0.003 min

Lab File: VU060289.D

Acq: 01 Aug 2024 10:52

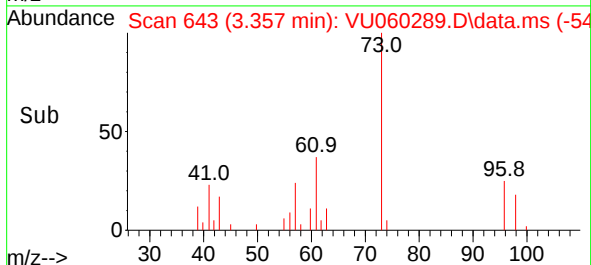
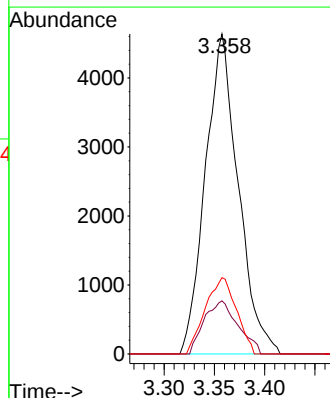
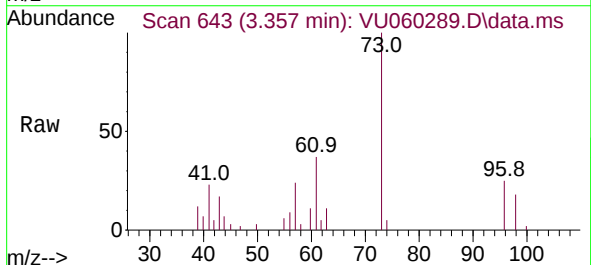
Tgt Ion: 73 Resp: 10546

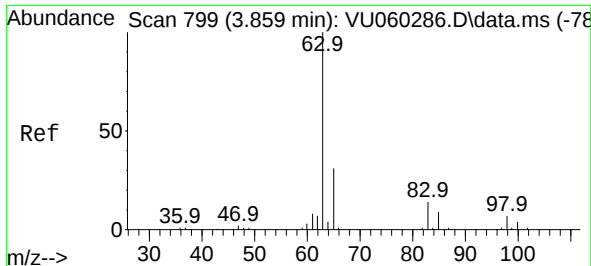
Ion Ratio Lower Upper

73 100

43 17.1 14.1 21.1

57 22.5 17.1 25.7





#19

1,1-Dichloroethane

Concen: 2.792 ug/L

RT: 3.862 min Scan# 80

Delta R.T. 0.003 min

Lab File: VU060289.D

Acq: 01 Aug 2024 10:52

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2024-06

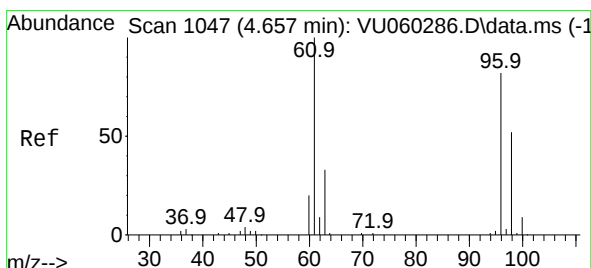
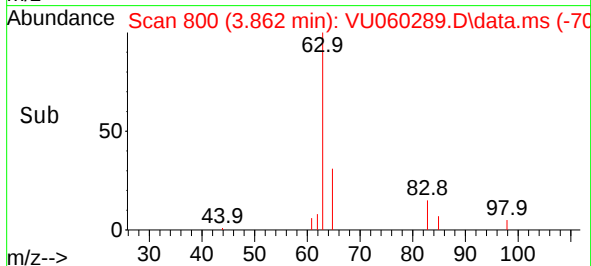
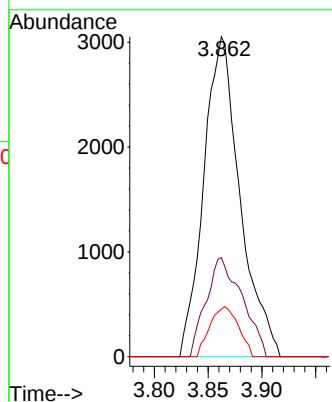
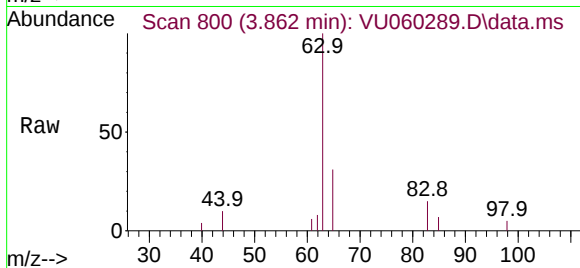
Tgt Ion: 63 Resp: 7158

Ion Ratio Lower Upper

63 100

65 31.0 23.3 43.3

83 14.8 9.8 18.2



#20

cis-1,2-Dichloroethene

Concen: 2.240 ug/L

RT: 4.656 min Scan# 1047

Delta R.T. -0.000 min

Lab File: VU060289.D

Acq: 01 Aug 2024 10:52

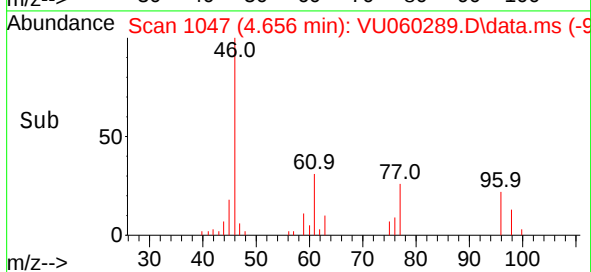
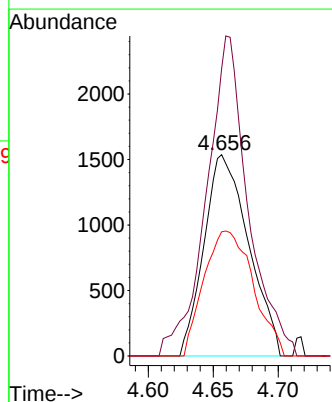
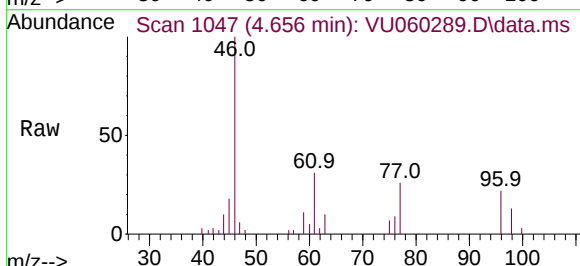
Tgt Ion: 96 Resp: 3667

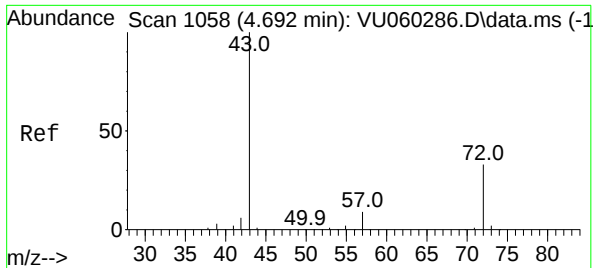
Ion Ratio Lower Upper

96 100

61 142.7 83.2 154.4

98 61.7 45.9 85.3

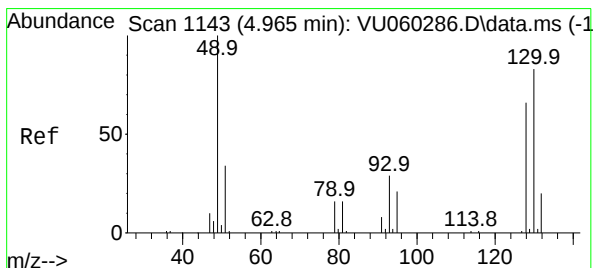
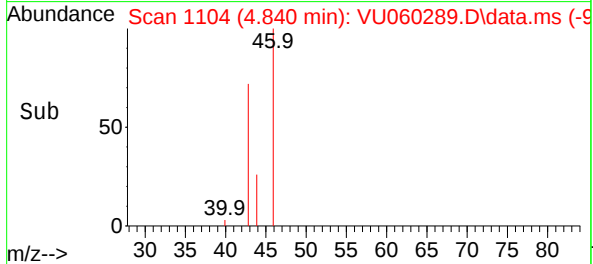
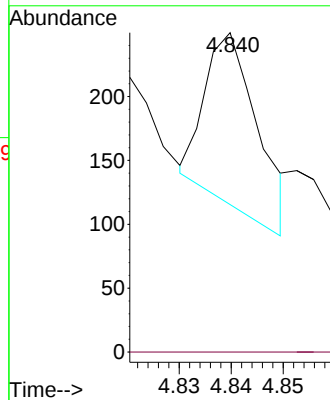
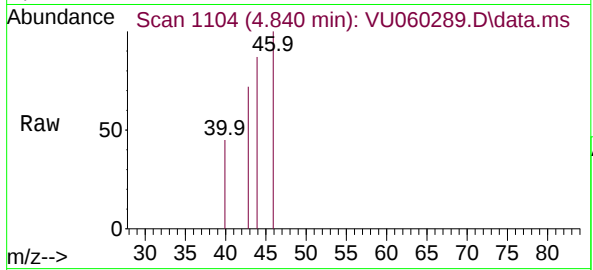




#22
2-Butanone
Concen: 0.073 ug/L
RT: 4.840 min Scan# 1104
Delta R.T. 0.148 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

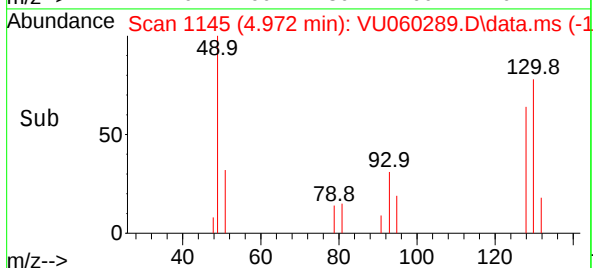
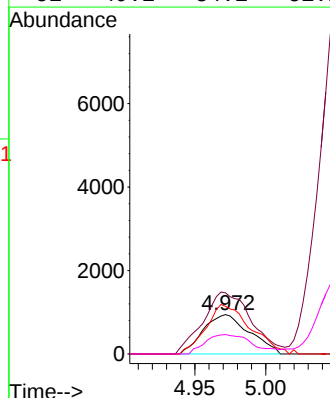
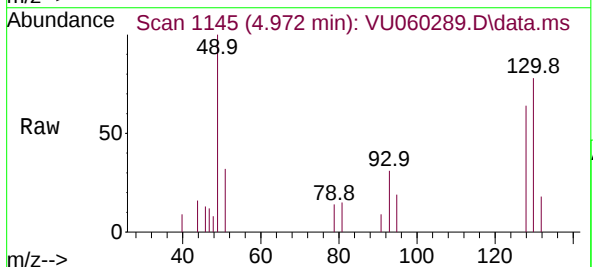
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2024-06

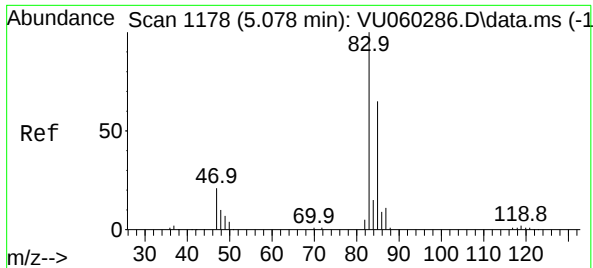
Tgt Ion: 43 Resp: 91
Ion Ratio Lower Upper
43 100
72 42.9 16.4 49.2



#23
Bromochloromethane
Concen: 2.473 ug/L
RT: 4.972 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

Tgt Ion: 128 Resp: 2135
Ion Ratio Lower Upper
128 100
49 155.2 96.7 179.7
130 121.3 86.3 160.3
51 49.1 34.1 51.1





#25

Chloroform

Concen: 3.030 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.000 min

Lab File: VU060289.D

Acq: 01 Aug 2024 10:52

Instrument :

MSVOA_U

ClientSampleId :

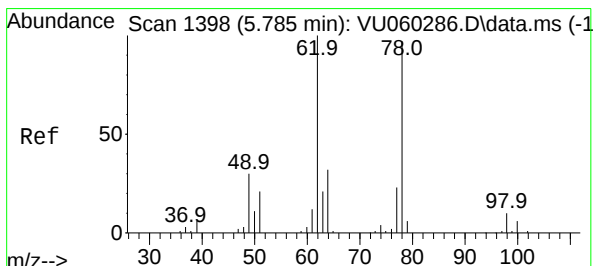
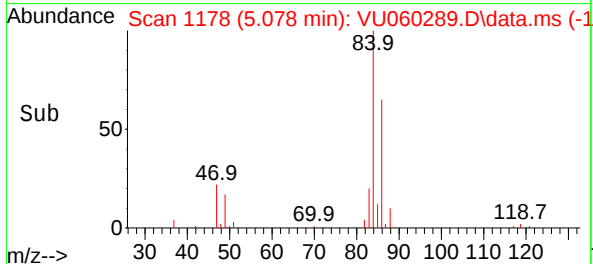
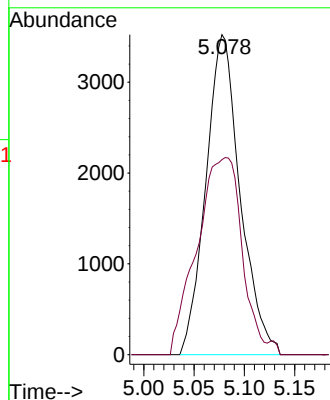
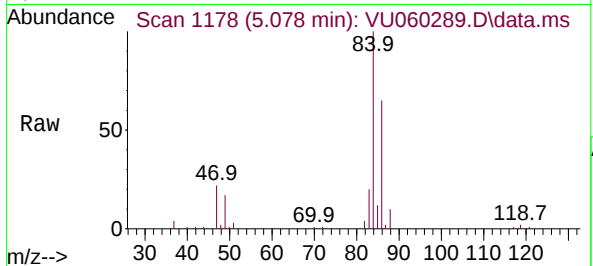
MDL-WATER-QT3-2024-06

Tgt Ion: 83 Resp: 8359

Ion Ratio Lower Upper

83 100

85 61.0 46.7 86.7



#27

1,2-Dichloroethane

Concen: 2.766 ug/L

RT: 5.791 min Scan# 1400

Delta R.T. 0.006 min

Lab File: VU060289.D

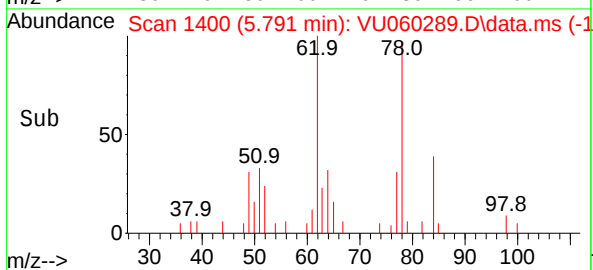
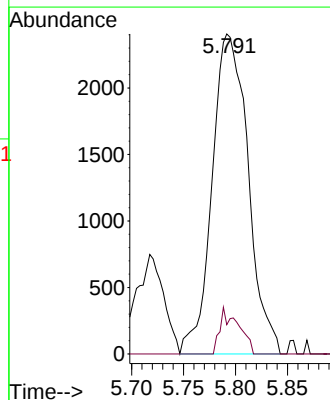
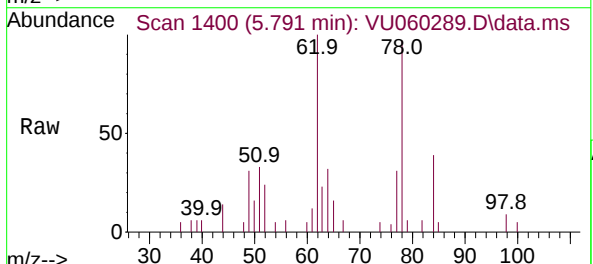
Acq: 01 Aug 2024 10:52

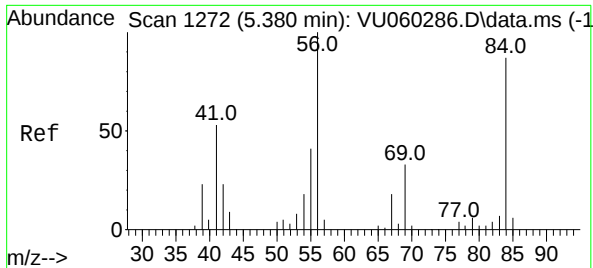
Tgt Ion: 62 Resp: 5793

Ion Ratio Lower Upper

62 100

98 9.1 7.8 11.8





#29

Cyclohexane

Concen: 1.927 ug/L

RT: 5.383 min Scan# 1272

Delta R.T. 0.003 min

Lab File: VU060289.D

Acq: 01 Aug 2024 10:52

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2024-06

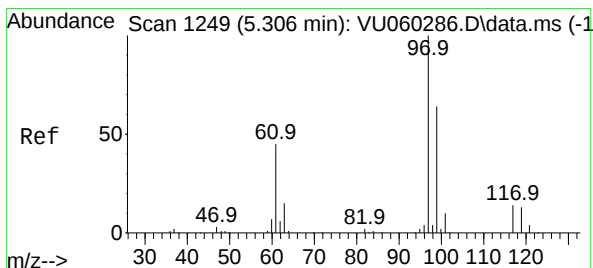
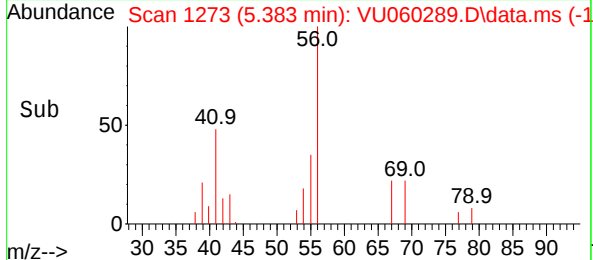
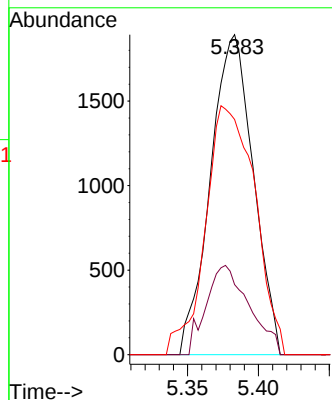
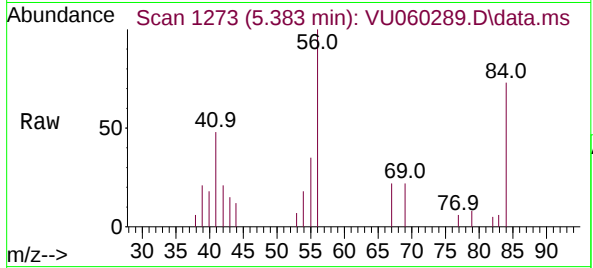
Tgt Ion: 56 Resp: 3981

Ion Ratio Lower Upper

56 100

69 19.8 26.0 39.0#

84 89.7 75.5 113.3



#30

1,1,1-Trichloroethane

Concen: 2.346 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. 0.003 min

Lab File: VU060289.D

Acq: 01 Aug 2024 10:52

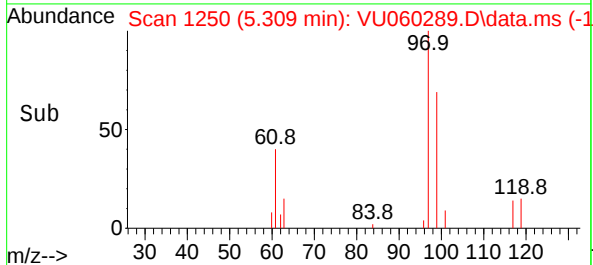
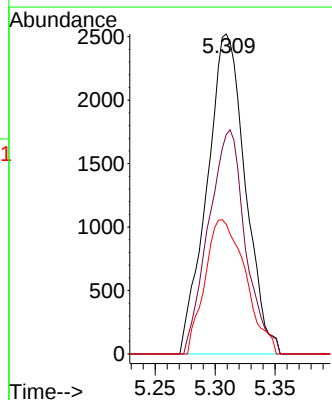
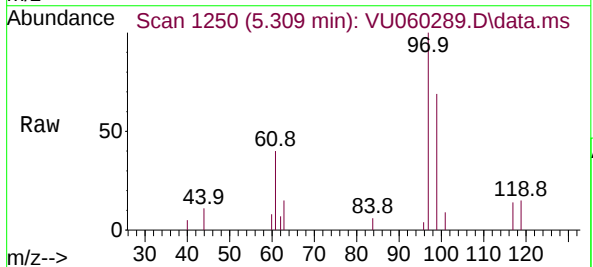
Tgt Ion: 97 Resp: 5607

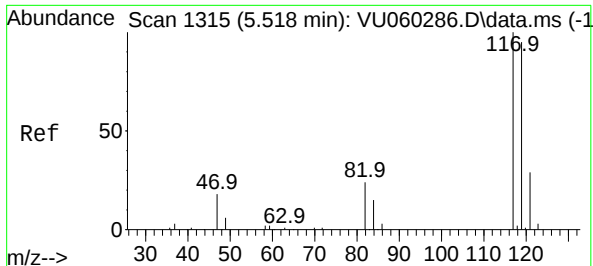
Ion Ratio Lower Upper

97 100

99 67.5 52.2 78.2

61 44.3 35.2 52.8

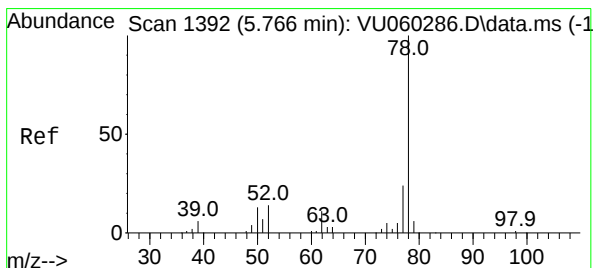
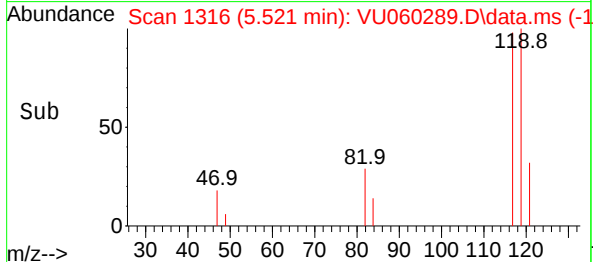
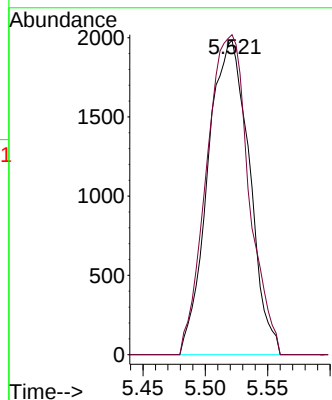
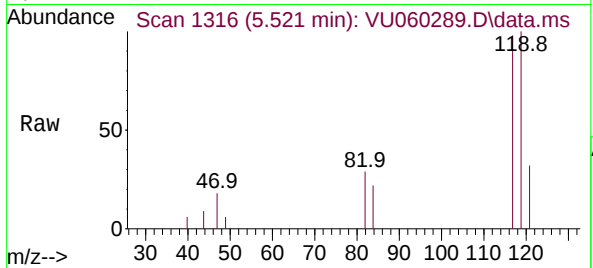




#31
Carbon tetrachloride
Concen: 2.321 ug/L
RT: 5.521 min Scan# 1315
Delta R.T. 0.003 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

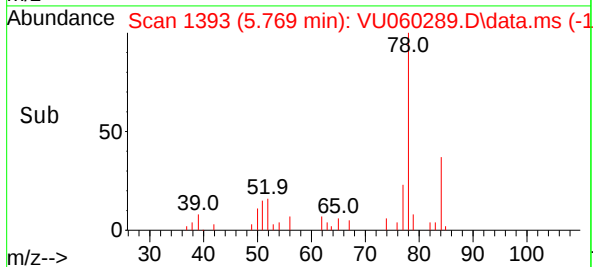
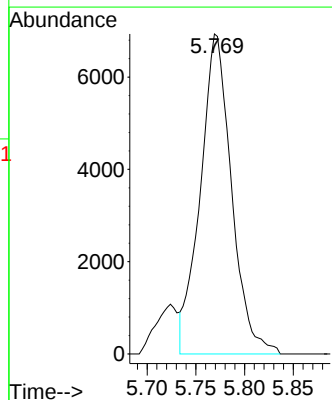
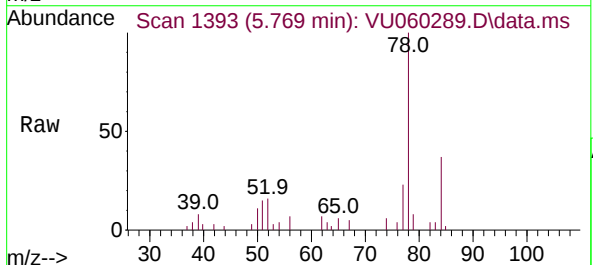
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2024-06

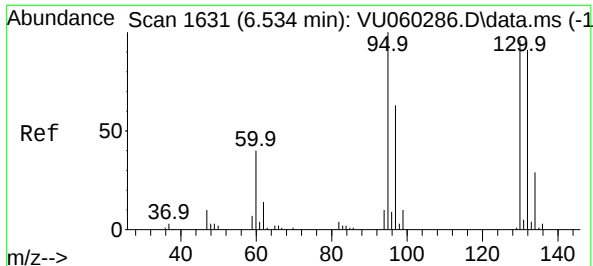
Tgt Ion:117 Resp: 4583
Ion Ratio Lower Upper
117 100
119 104.0 77.6 116.4



#33
Benzene
Concen: 2.478 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.003 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

Tgt Ion: 78 Resp: 15442





#34

Trichloroethene

Concen: 2.393 ug/L

RT: 6.544 min Scan# 1

Delta R.T. 0.010 min

Lab File: VU060289.D

Acq: 01 Aug 2024 10:52

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2024-06

Tgt Ion: 95 Resp: 3979

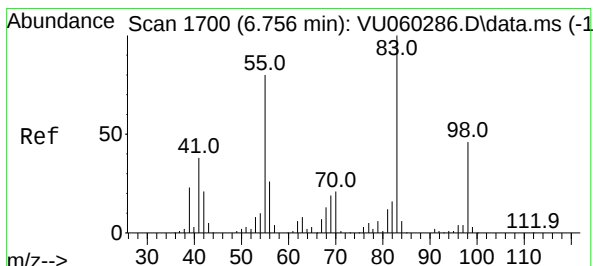
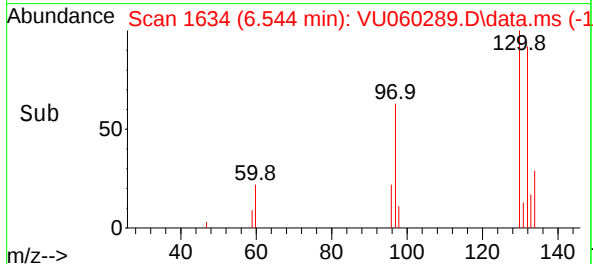
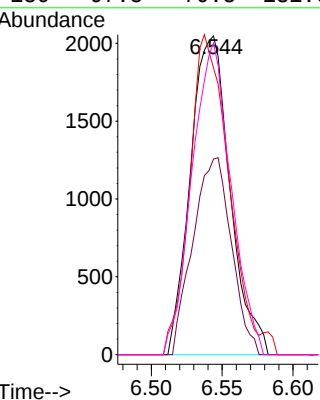
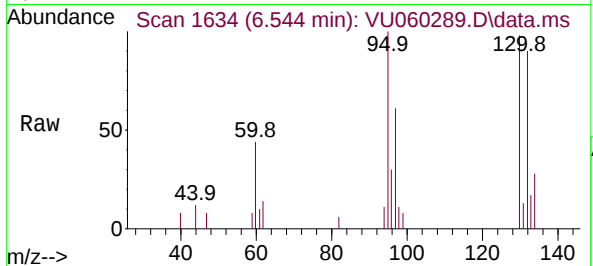
Ion Ratio Lower Upper

95 100

97 61.4 45.8 85.2

132 90.0 69.8 129.6

130 97.8 70.8 131.6



#35

Methylcyclohexane

Concen: 1.712 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. 0.003 min

Lab File: VU060289.D

Acq: 01 Aug 2024 10:52

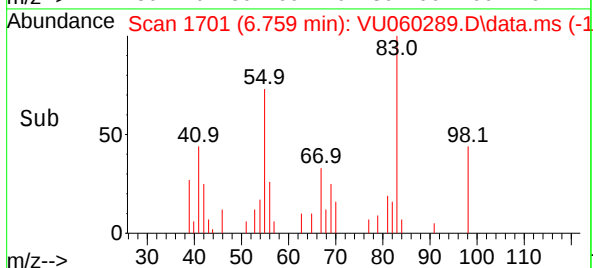
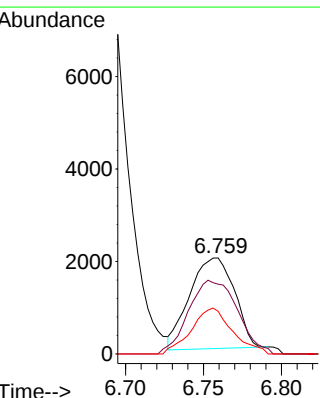
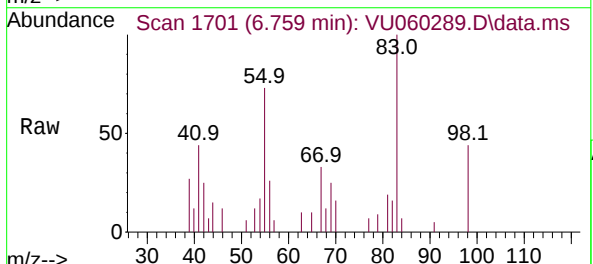
Tgt Ion: 83 Resp: 3932

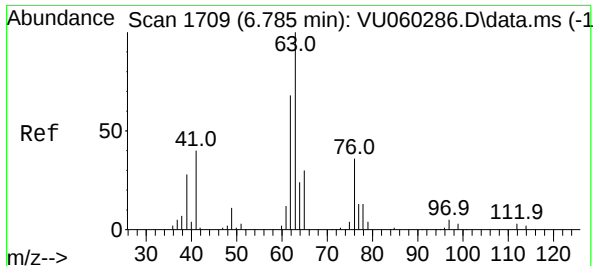
Ion Ratio Lower Upper

83 100

55 88.2 56.8 85.2#

98 46.1 36.5 54.7

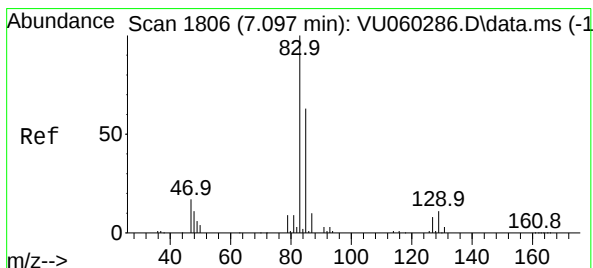
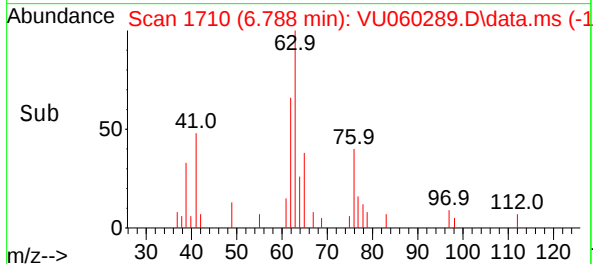
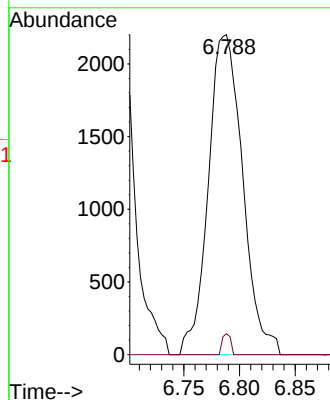
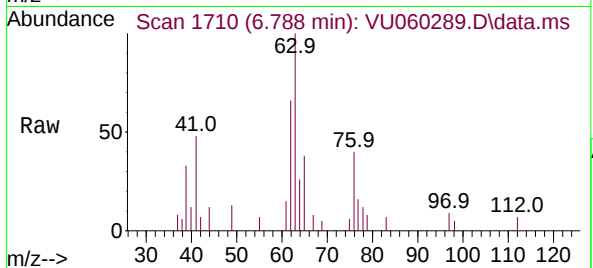




#37
1,2-Dichloropropane
Concen: 2.759 ug/L
RT: 6.788 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

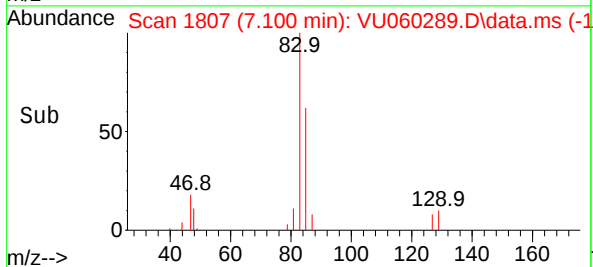
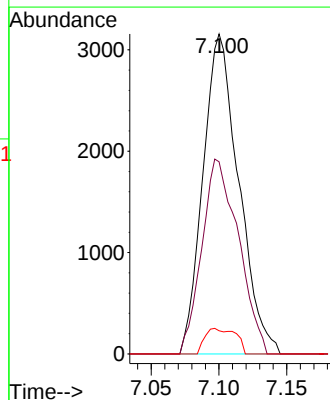
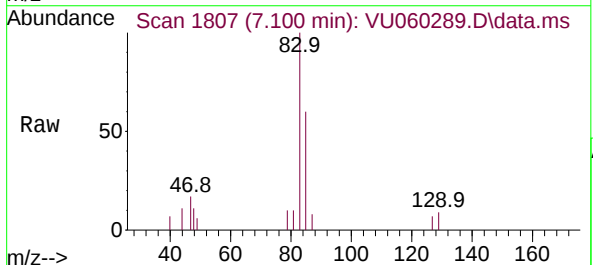
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2024-06

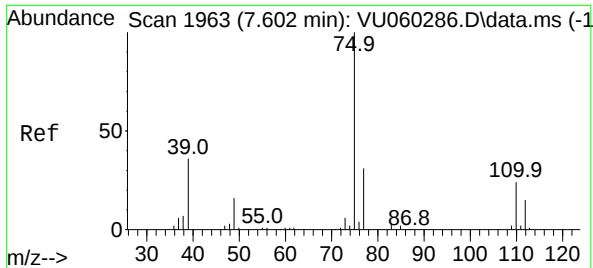
Tgt Ion: 63 Resp: 4732
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#



#38
Bromodichloromethane
Concen: 2.662 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.003 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

Tgt Ion: 83 Resp: 5785
Ion Ratio Lower Upper
83 100
85 60.0 45.0 83.6
127 7.3 7.4 11.2#

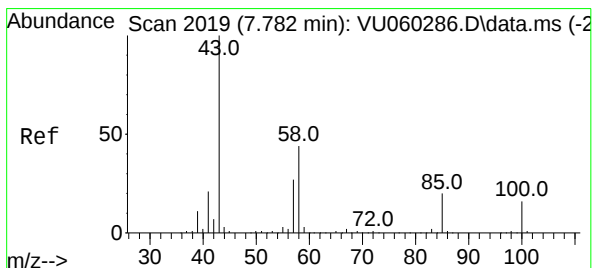
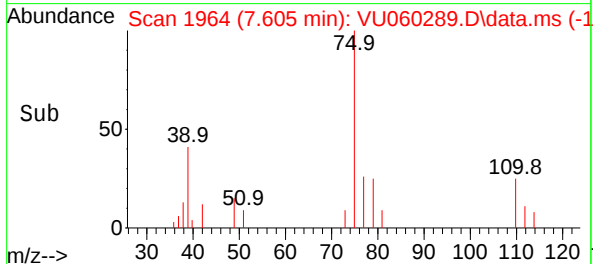
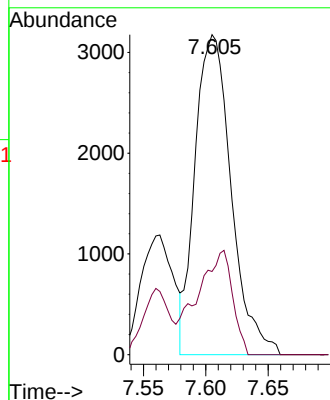
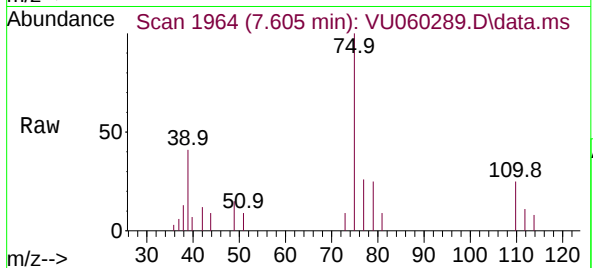




#39
 cis-1,3-Dichloropropene
 Concen: 2.436 ug/L
 RT: 7.605 min Scan# 1963
 Delta R.T. 0.003 min
 Lab File: VU060289.D
 Acq: 01 Aug 2024 10:52

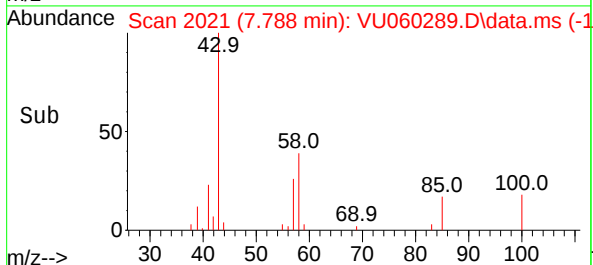
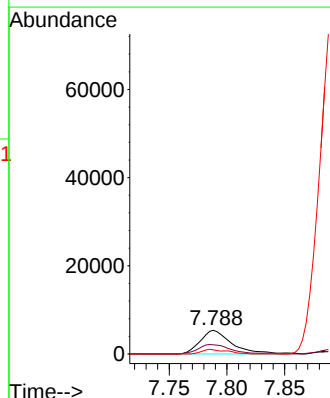
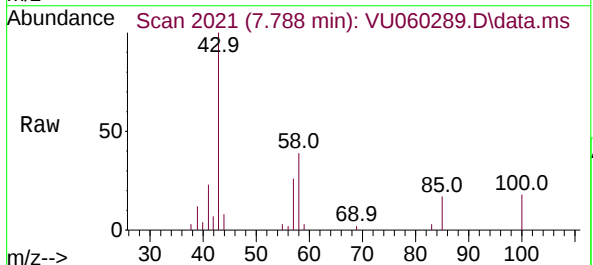
Instrument : MSVOA_U
 ClientSampleId : MDL-WATER-QT3-2024-06

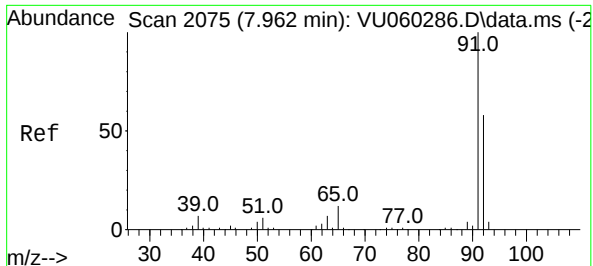
Tgt Ion: 75 Resp: 6393
 Ion Ratio Lower Upper
 75 100
 77 26.0 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 4.649 ug/L
 RT: 7.788 min Scan# 2021
 Delta R.T. 0.006 min
 Lab File: VU060289.D
 Acq: 01 Aug 2024 10:52

Tgt Ion: 43 Resp: 10077
 Ion Ratio Lower Upper
 43 100
 58 40.7 35.3 52.9
 100 10.4 14.6 22.0#





#42

Toluene

Concen: 2.223 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU060289.D

Acq: 01 Aug 2024 10:52

Instrument :

MSVOA_U

ClientSampleId :

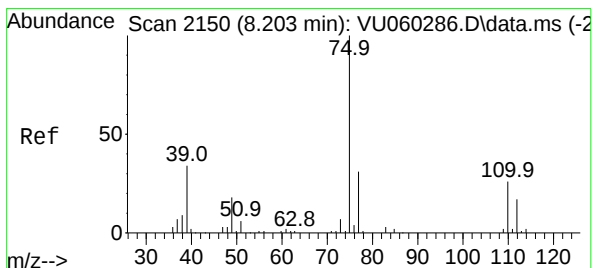
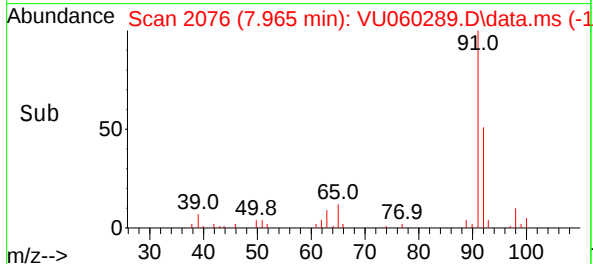
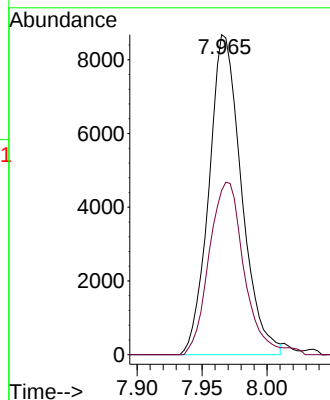
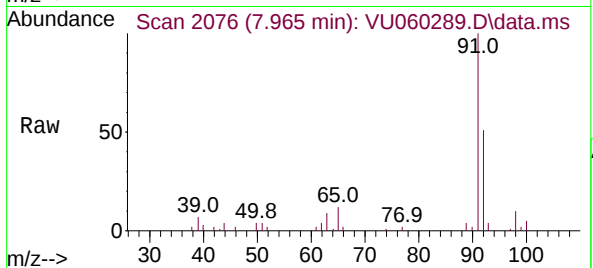
MDL-WATER-QT3-2024-06

Tgt Ion: 91 Resp: 15120

Ion Ratio Lower Upper

91 100

92 51.3 39.3 72.9



#44

trans-1,3-Dichloropropene

Concen: 2.937 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU060289.D

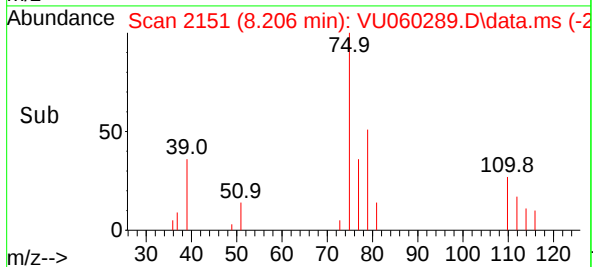
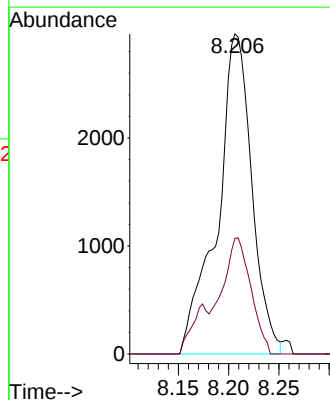
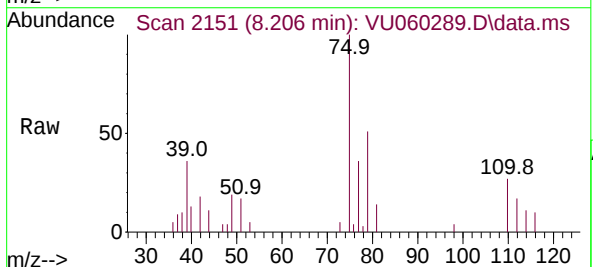
Acq: 01 Aug 2024 10:52

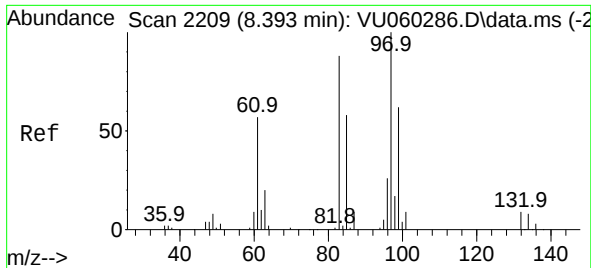
Tgt Ion: 75 Resp: 7078

Ion Ratio Lower Upper

75 100

77 34.6 21.7 40.3

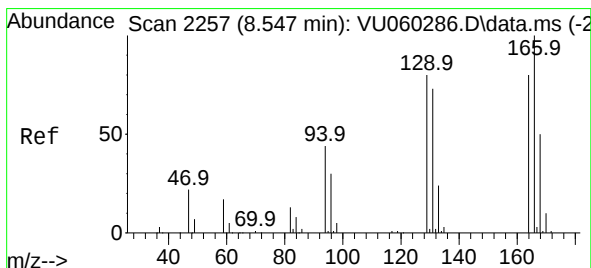
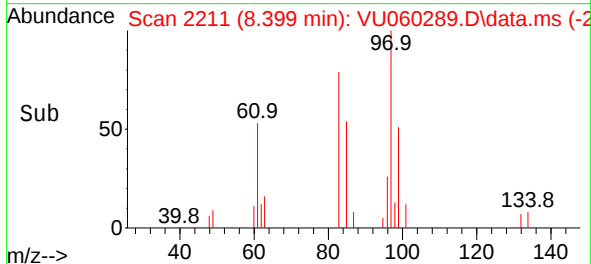
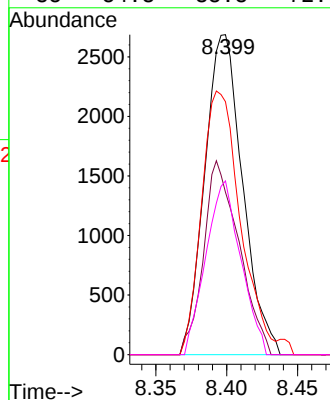
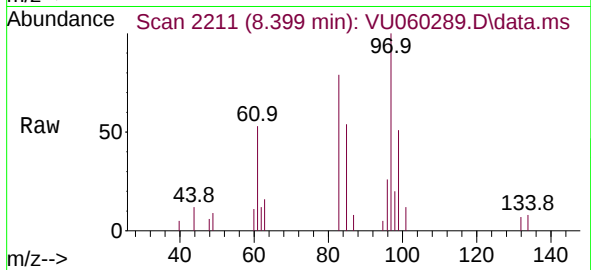




#45
1,1,2-Trichloroethane
Concen: 2.781 ug/L
RT: 8.399 min Scan# 2111
Delta R.T. 0.006 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

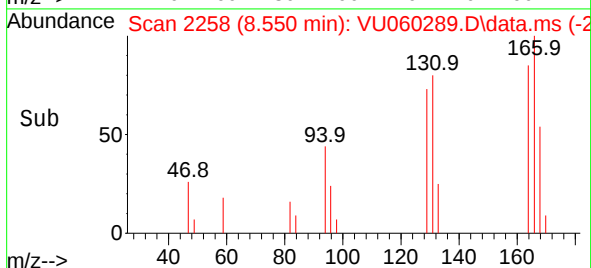
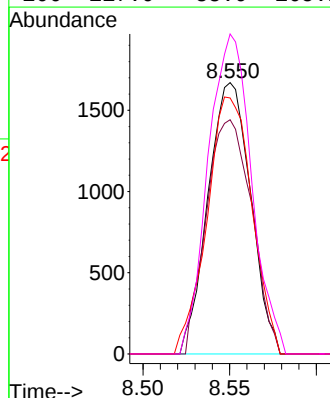
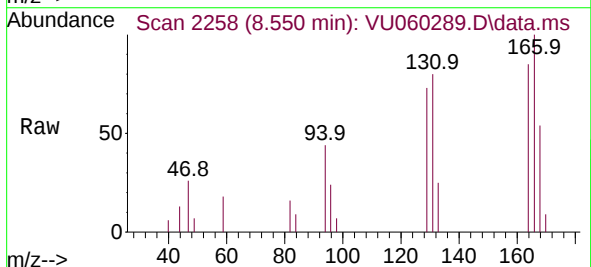
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2024-06

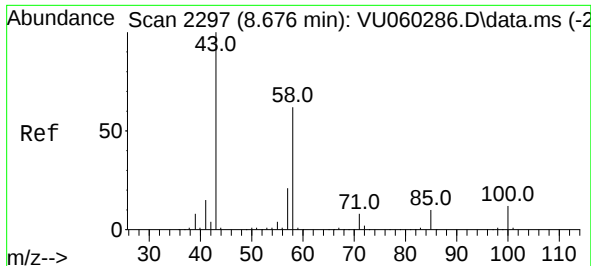
Tgt Ion:	97	Resp:	4995
Ion	Ratio	Lower	Upper
97	100		
99	50.7	43.1	80.1
83	79.0	60.4	112.2
85	54.3	38.8	72.0



#46
Tetrachloroethene
Concen: 2.092 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.003 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

Tgt Ion:	164	Resp:	2861
Ion	Ratio	Lower	Upper
164	100		
129	86.3	62.7	116.5
131	94.3	62.3	115.7
166	117.9	88.9	165.1

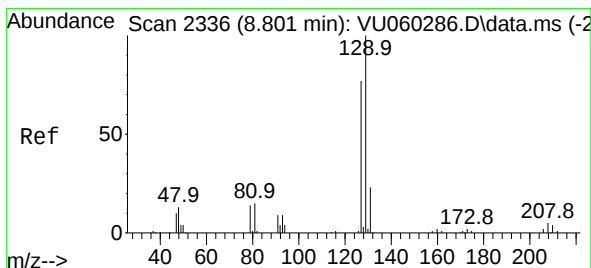
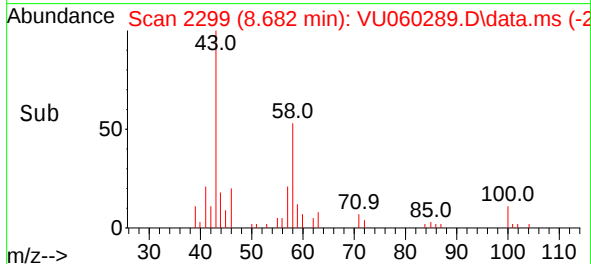
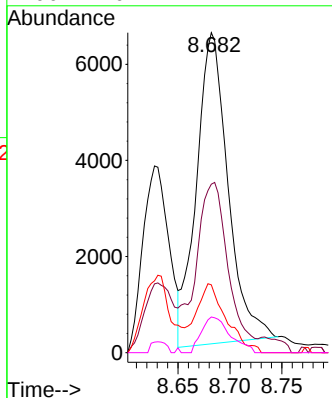
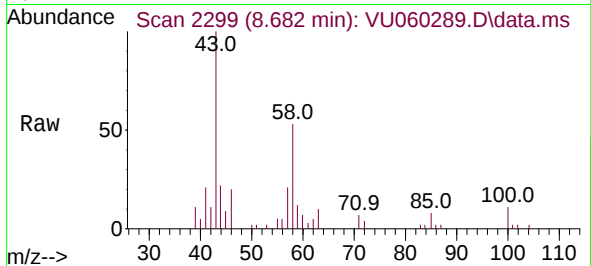




#48
2-Hexanone
Concen: 7.524 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.006 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

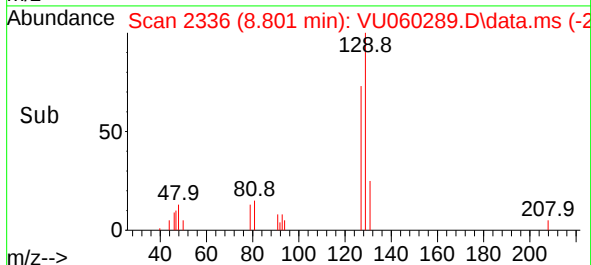
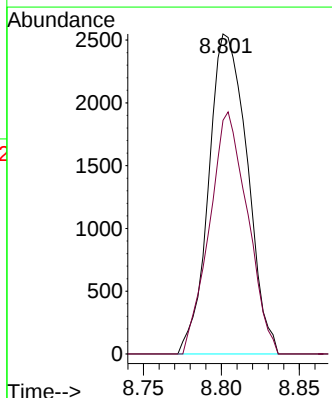
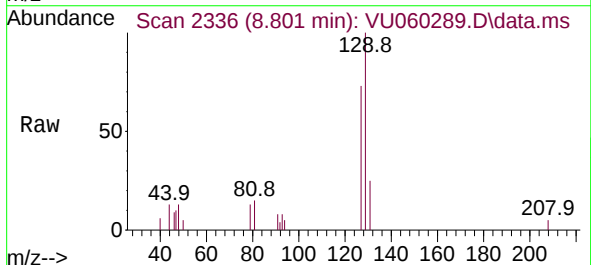
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2024-06

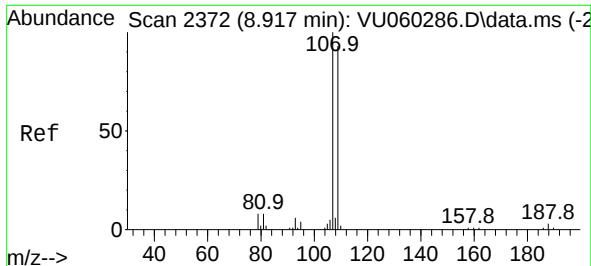
Tgt Ion:	43	Resp:	13650
Ion	Ratio	Lower	Upper
43	100		
58	45.8	49.0	73.6#
57	17.2	16.7	25.1
100	10.4	11.4	17.2#



#49
Dibromochloromethane
Concen: 2.474 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

Tgt Ion:	129	Resp:	4378
Ion	Ratio	Lower	Upper
129	100		
127	73.0	54.0	100.2

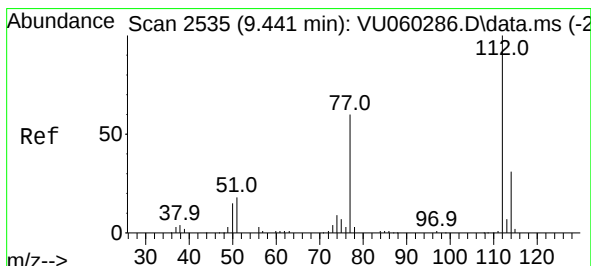
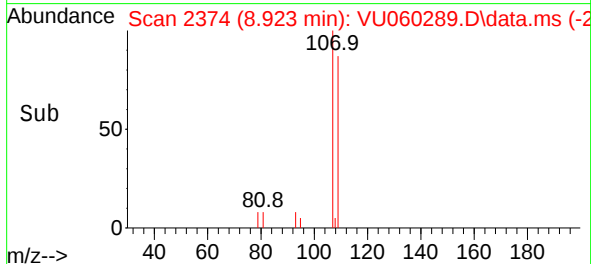
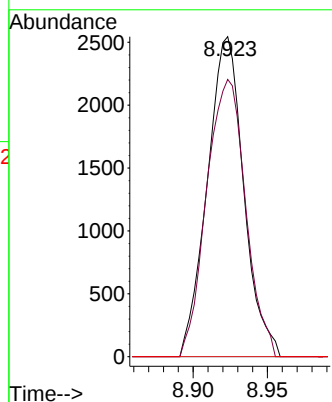
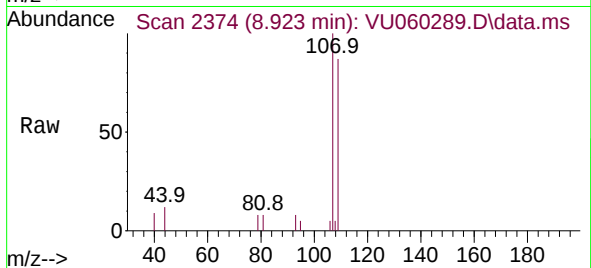




#50
1,2-Dibromoethane
Concen: 2.310 ug/L
RT: 8.923 min Scan# 2374
Delta R.T. 0.006 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

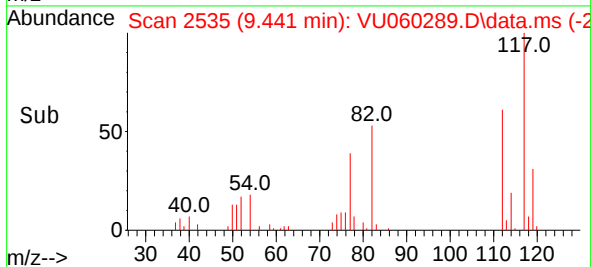
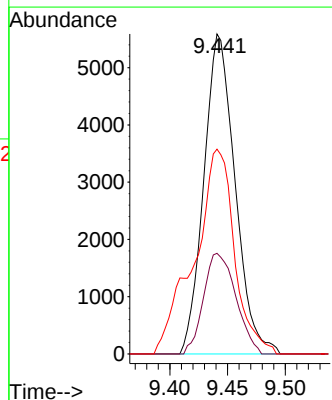
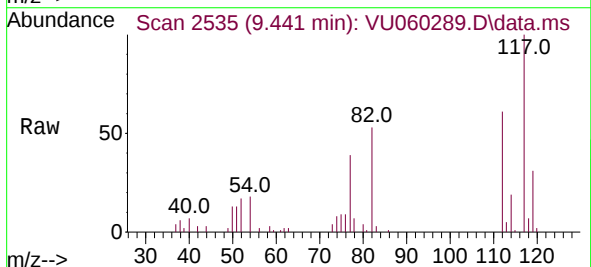
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2024-06

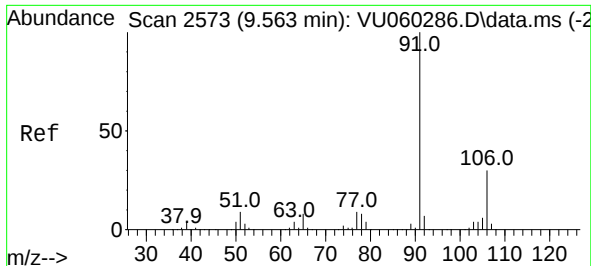
Tgt Ion:107 Resp: 4338
Ion Ratio Lower Upper
107 100
109 86.6 65.5 121.6
188 0.0 3.0 4.4#



#51
Chlorobenzene
Concen: 2.330 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

Tgt Ion:112 Resp: 10520
Ion Ratio Lower Upper
112 100
114 31.4 22.7 42.3
77 64.0 45.8 68.6





#52

Ethylbenzene

Concen: 2.079 ug/L

RT: 9.566 min Scan# 2574

Delta R.T. 0.003 min

Lab File: VU060289.D

Acq: 01 Aug 2024 10:52

Instrument :

MSVOA_U

ClientSampleId :

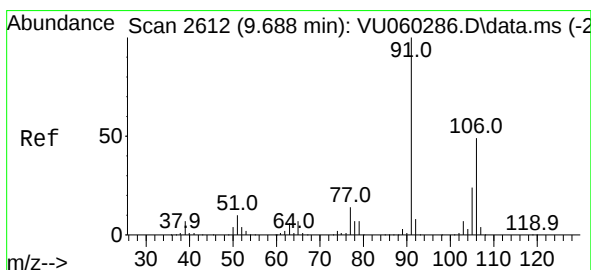
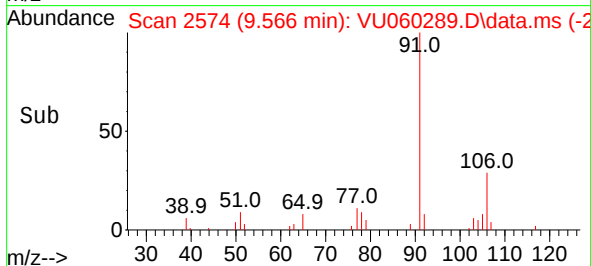
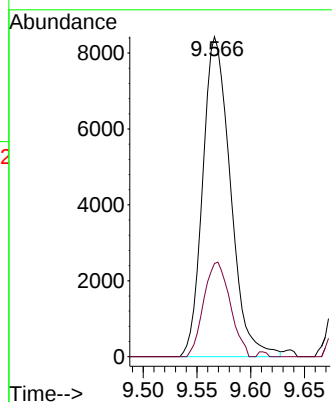
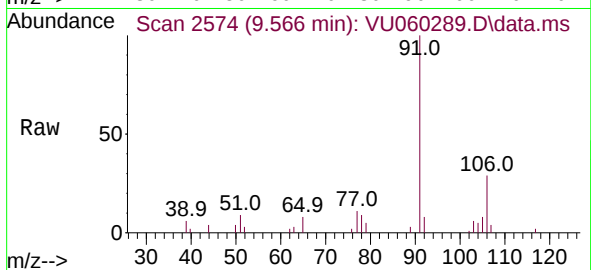
MDL-WATER-QT3-2024-06

Tgt Ion: 91 Resp: 15103

Ion Ratio Lower Upper

91 100

106 32.7 22.4 41.6



#53

m,p-Xylene

Concen: 1.657 ug/L

RT: 9.688 min Scan# 2612

Delta R.T. -0.000 min

Lab File: VU060289.D

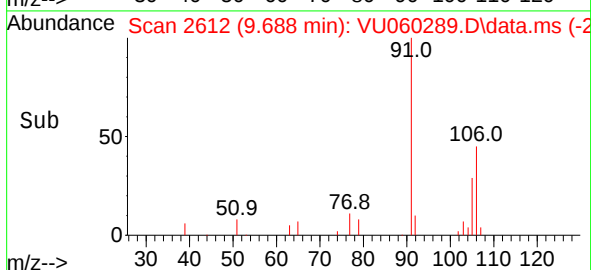
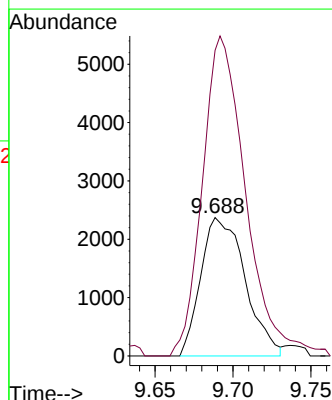
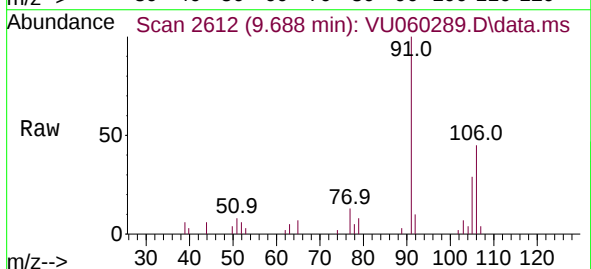
Acq: 01 Aug 2024 10:52

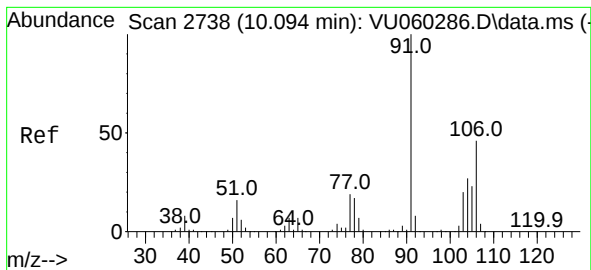
Tgt Ion:106 Resp: 4687

Ion Ratio Lower Upper

106 100

91 220.9 140.9 261.7





#54

o-Xylene

Concen: 1.773 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU060289.D

Acq: 01 Aug 2024 10:52

Instrument :

MSVOA_U

ClientSampleId :

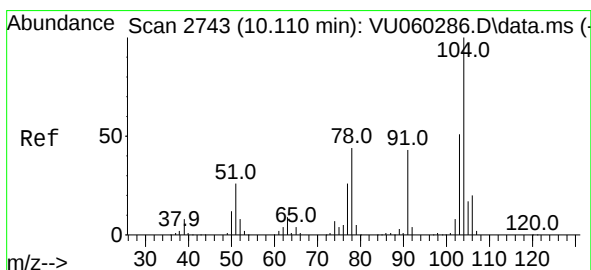
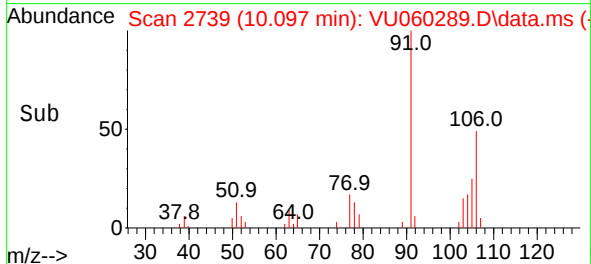
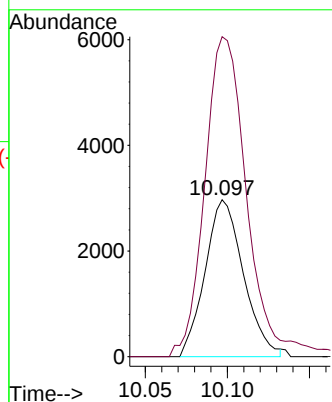
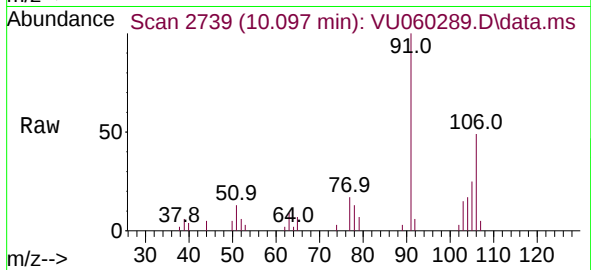
MDL-WATER-QT3-2024-06

Tgt Ion:106 Resp: 4821

Ion Ratio Lower Upper

106 100

91 203.9 147.4 273.8



#55

Styrene

Concen: 1.765 ug/L

RT: 10.119 min Scan# 2746

Delta R.T. 0.010 min

Lab File: VU060289.D

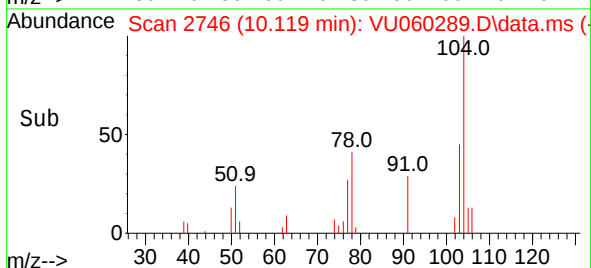
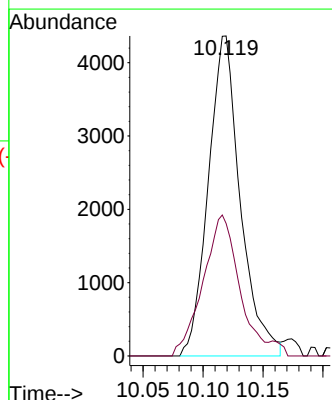
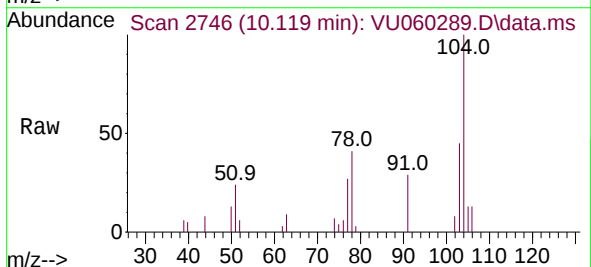
Acq: 01 Aug 2024 10:52

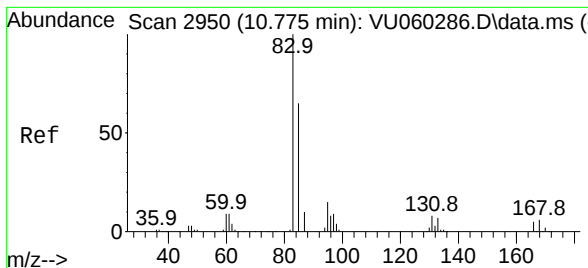
Tgt Ion:104 Resp: 8098

Ion Ratio Lower Upper

104 100

78 41.4 30.9 57.5





#57

1,1,2,2-Tetrachloroethane

Concen: 2.778 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU060289.D

Acq: 01 Aug 2024 10:52

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2024-06

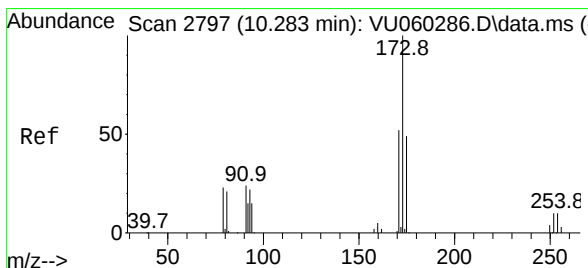
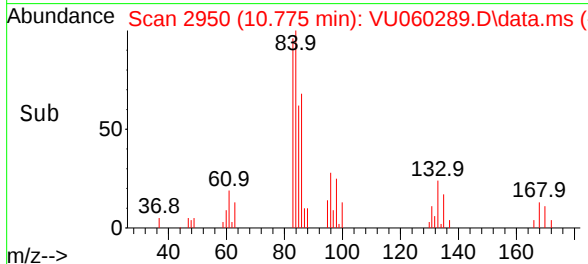
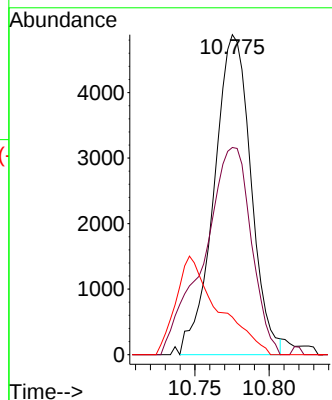
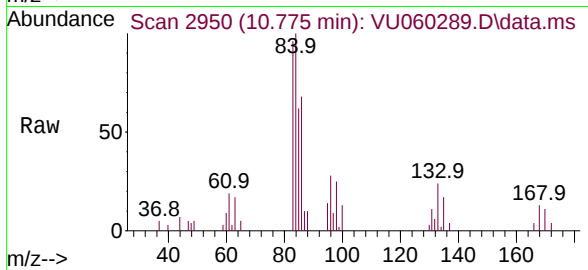
Tgt Ion: 83 Resp: 8414

Ion Ratio Lower Upper

83 100

85 64.8 45.4 84.2

131 11.7 7.5 11.3#



#59

Bromoform

Concen: 3.191 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. 0.003 min

Lab File: VU060289.D

Acq: 01 Aug 2024 10:52

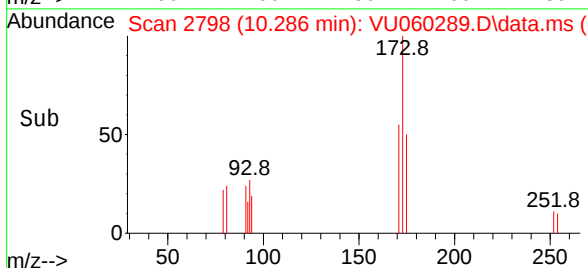
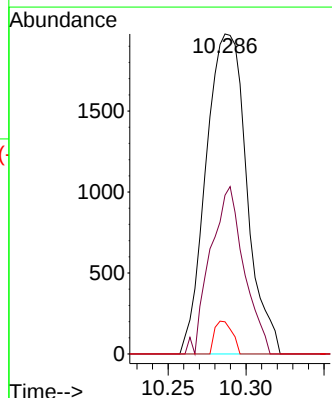
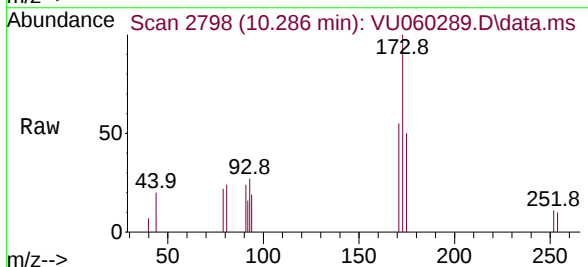
Tgt Ion:173 Resp: 3583

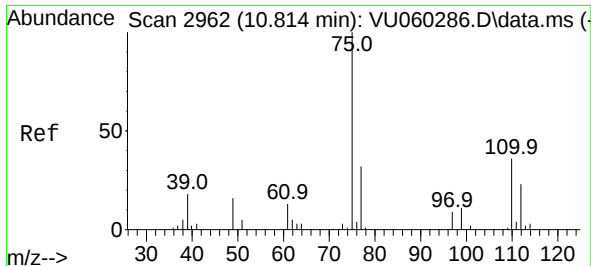
Ion Ratio Lower Upper

173 100

175 42.6 39.4 59.2

254 4.4 9.0 13.4#





#60

1,2,3-Trichloropropane

Concen: 3.481 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.003 min

Lab File: VU060289.D

Acq: 01 Aug 2024 10:52

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2024-06

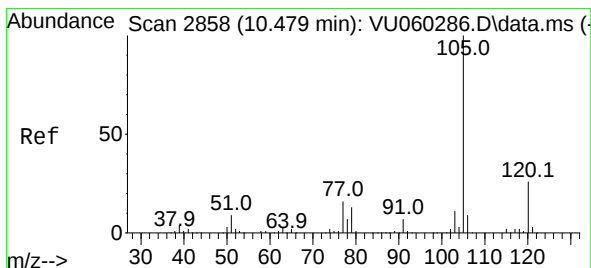
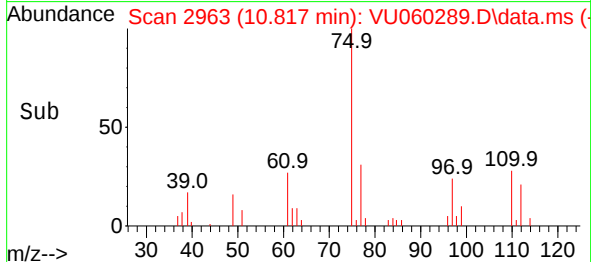
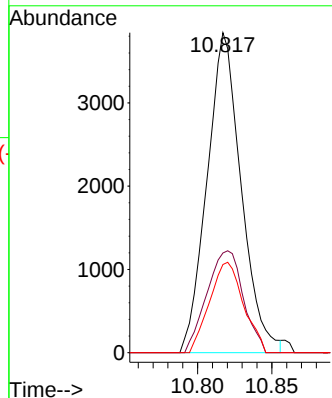
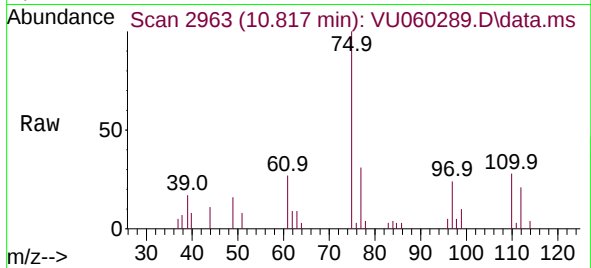
Tgt Ion: 75 Resp: 6135

Ion Ratio Lower Upper

75 100

77 34.0 25.5 38.3

110 28.1 30.7 46.1#



#61

Isopropylbenzene

Concen: 2.220 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. -0.000 min

Lab File: VU060289.D

Acq: 01 Aug 2024 10:52

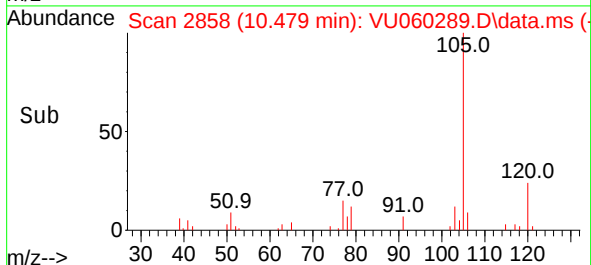
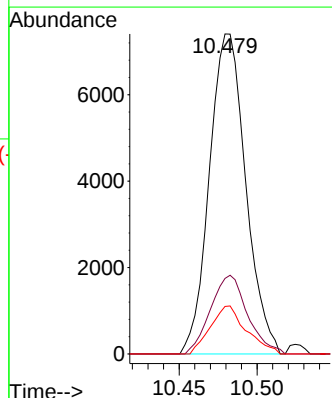
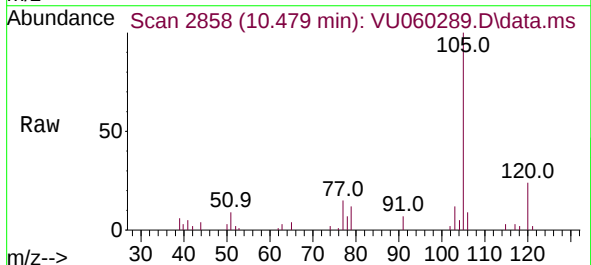
Tgt Ion:105 Resp: 12017

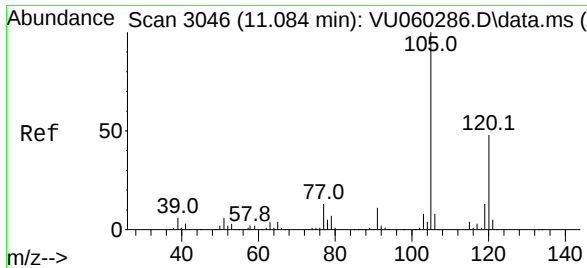
Ion Ratio Lower Upper

105 100

120 25.0 20.9 31.3

77 14.8 12.1 18.1





#62

1,3,5-Trimethylbenzene

Concen: 1.965 ug/L

RT: 11.087 min Scan# 3046

Delta R.T. 0.003 min

Lab File: VU060289.D

Acq: 01 Aug 2024 10:52

Instrument :

MSVOA_U

ClientSampleId :

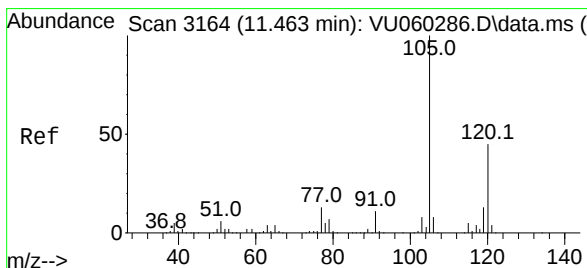
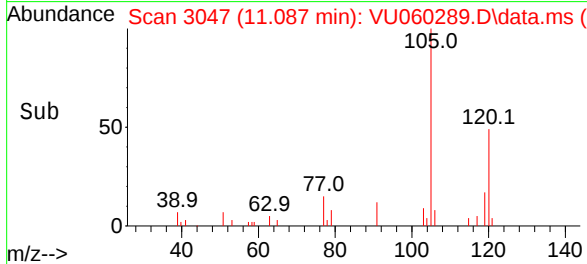
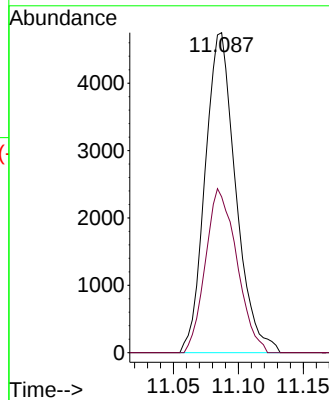
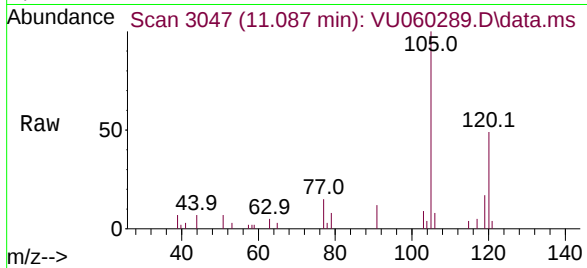
MDL-WATER-QT3-2024-06

Tgt Ion:105 Resp: 7786

Ion Ratio Lower Upper

105 100

120 52.5 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 1.788 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VU060289.D

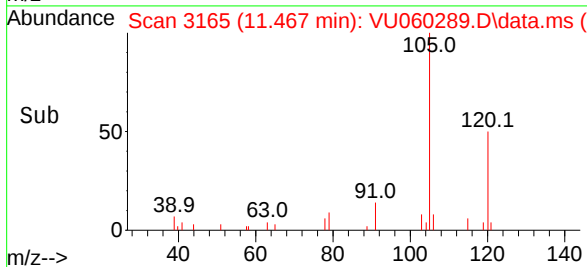
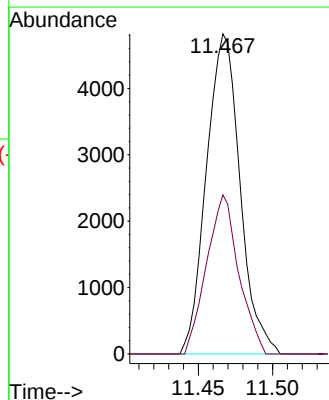
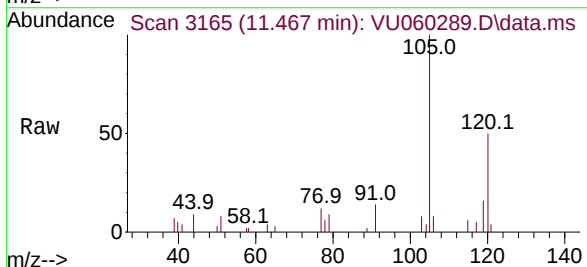
Acq: 01 Aug 2024 10:52

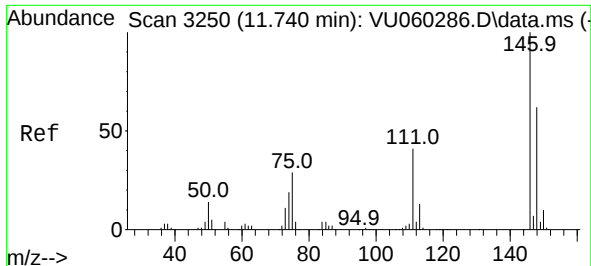
Tgt Ion:105 Resp: 7588

Ion Ratio Lower Upper

105 100

120 47.4 37.0 55.6





#64

1,3-Dichlorobenzene

Concen: 2.549 ug/L

RT: 11.743 min Scan# 3250

Delta R.T. 0.003 min

Lab File: VU060289.D

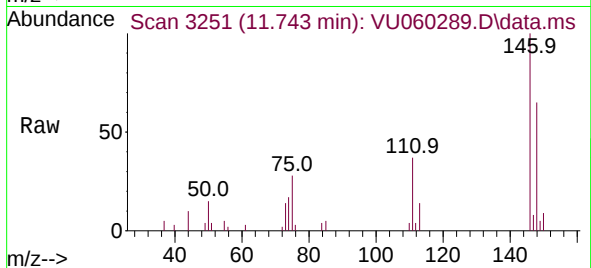
Acq: 01 Aug 2024 10:52

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2024-06



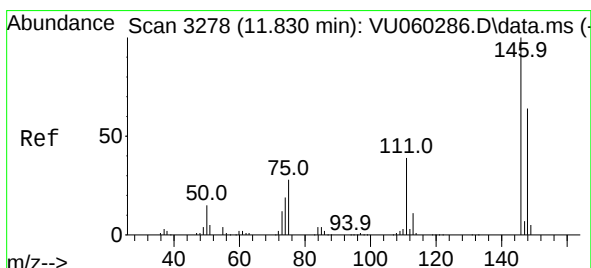
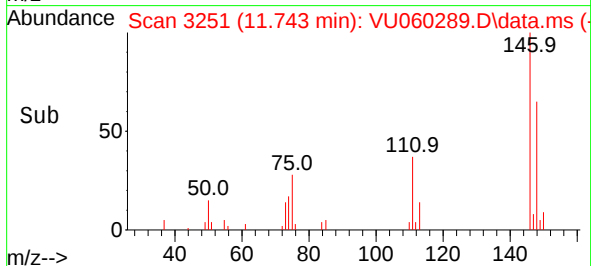
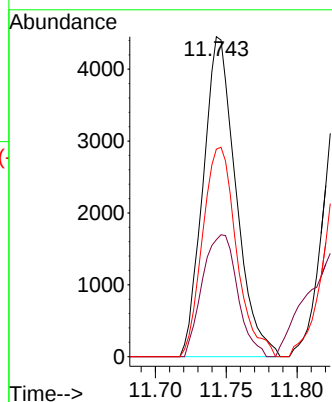
Tgt Ion:146 Resp: 7157

Ion Ratio Lower Upper

146 100

111 40.1 26.5 49.1

148 64.8 43.8 81.3



#65

1,4-Dichlorobenzene

Concen: 2.533 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VU060289.D

Acq: 01 Aug 2024 10:52

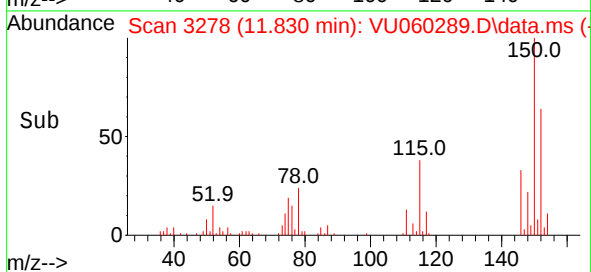
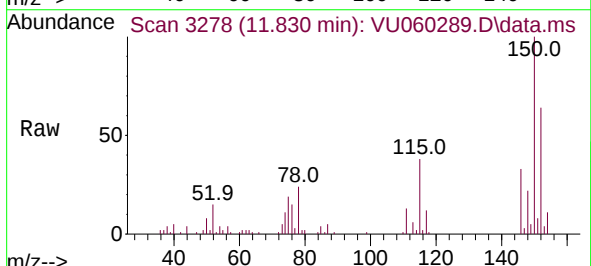
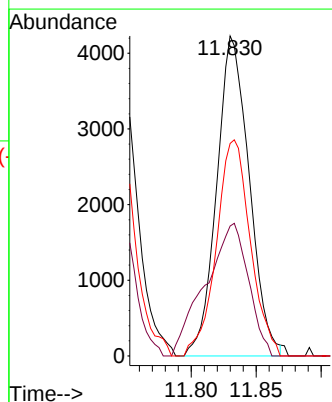
Tgt Ion:146 Resp: 7350

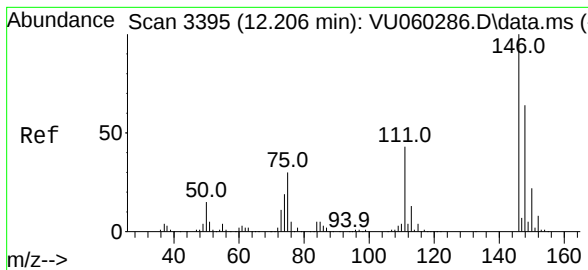
Ion Ratio Lower Upper

146 100

111 40.6 25.9 48.1

148 66.4 44.0 81.8

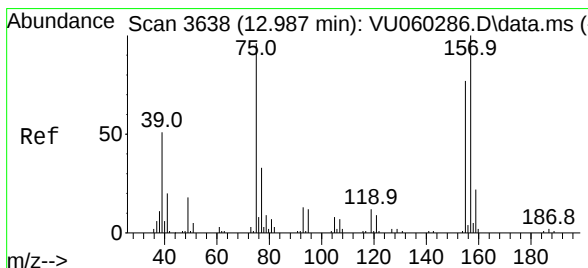
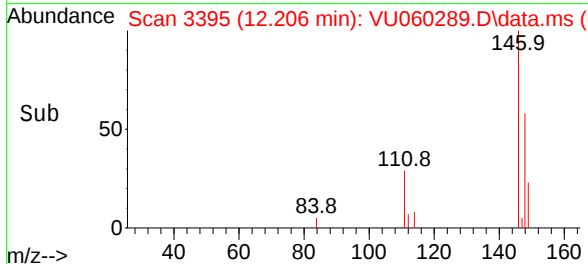
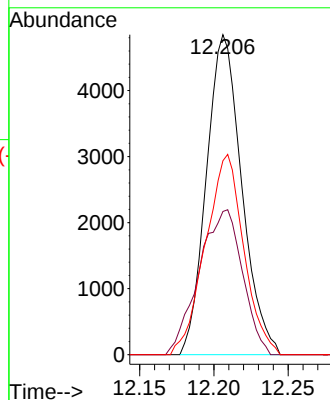
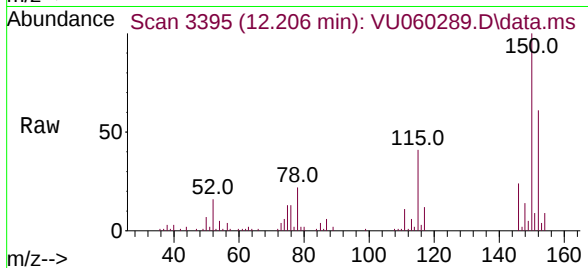




#67
1,2-Dichlorobenzene
Concen: 2.832 ug/L
RT: 12.206 min Scan# 3395
Delta R.T. -0.000 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

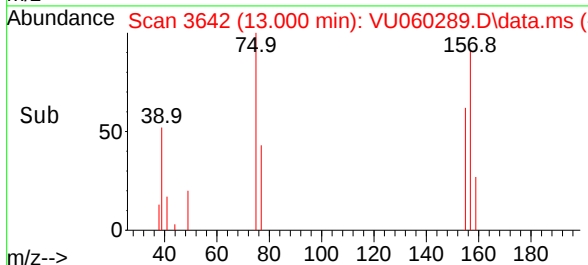
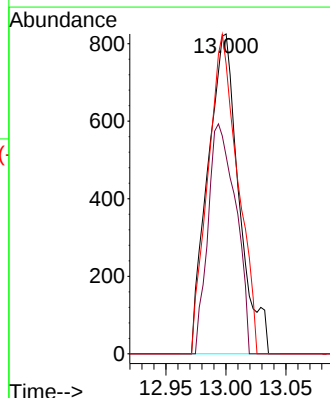
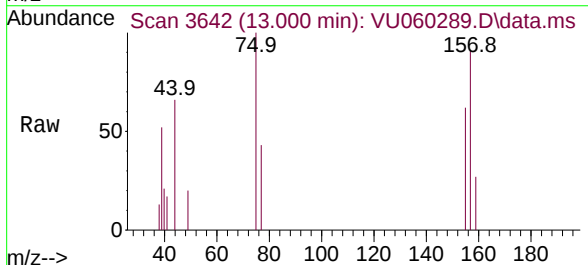
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2024-06

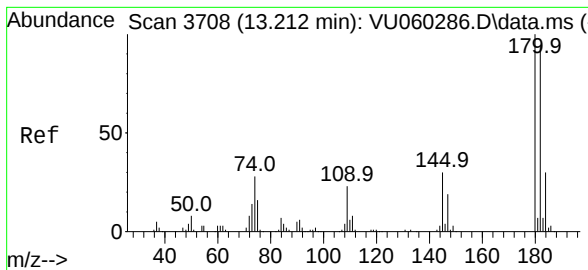
Tgt Ion:146 Resp: 8030
Ion Ratio Lower Upper
146 100
111 44.7 31.7 47.5
148 60.6 50.8 76.2



#68
1,2-Dibromo-3-chloropropane
Concen: 3.083 ug/L
RT: 13.000 min Scan# 3642
Delta R.T. 0.013 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

Tgt Ion: 75 Resp: 1486
Ion Ratio Lower Upper
75 100
155 61.8 73.5 110.3#
157 90.7 93.5 140.3#





#69

1,3,5-Trichlorobenzene

Concen: 1.883 ug/L

RT: 13.843 min Scan# 3904

Delta R.T. 0.630 min

Lab File: VU060289.D

Acq: 01 Aug 2024 10:52

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2024-06

Tgt Ion:180 Resp: 3811

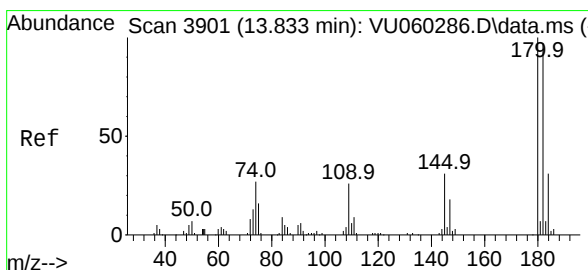
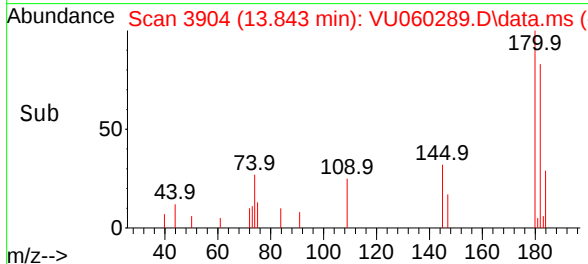
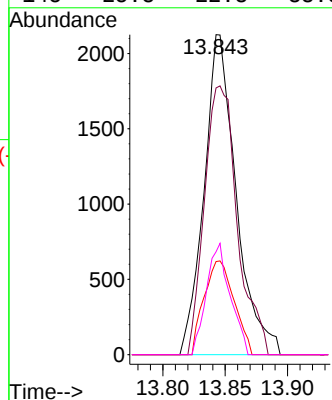
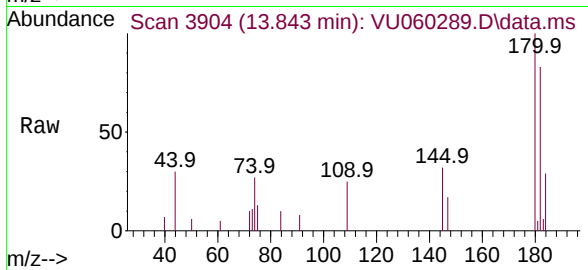
Ion Ratio Lower Upper

180 100

182 85.8 75.8 113.8

184 27.4 24.7 37.1

145 25.8 22.3 33.5



#70

1,2,4-trichlorobenzene

Concen: 2.089 ug/L

RT: 13.843 min Scan# 3904

Delta R.T. 0.010 min

Lab File: VU060289.D

Acq: 01 Aug 2024 10:52

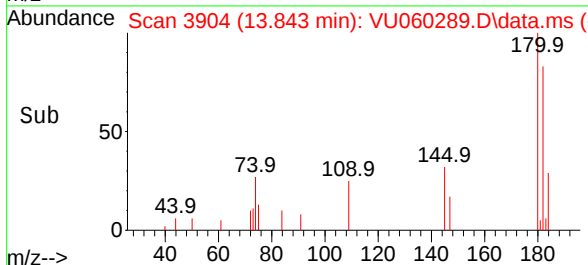
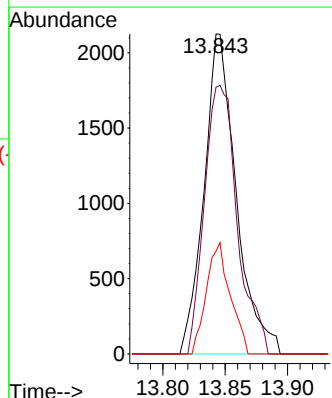
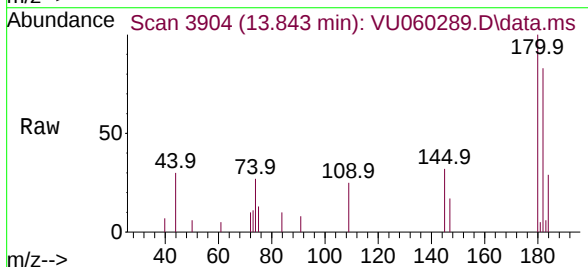
Tgt Ion:180 Resp: 3811

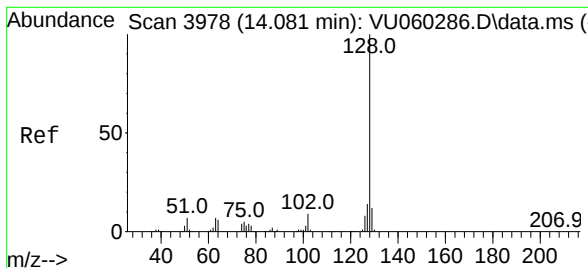
Ion Ratio Lower Upper

180 100

182 85.8 76.4 114.6

145 25.8 23.0 34.4





#71

Naphthalene

Concen: 1.757 ug/L

RT: 14.097 min Scan# 3983

Delta R.T. 0.016 min

Lab File: VU060289.D

Acq: 01 Aug 2024 10:52

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2024-06

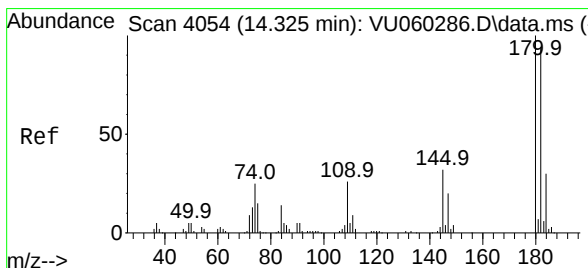
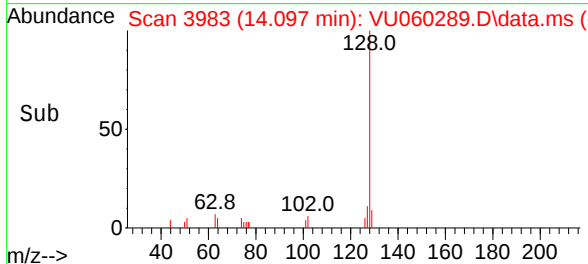
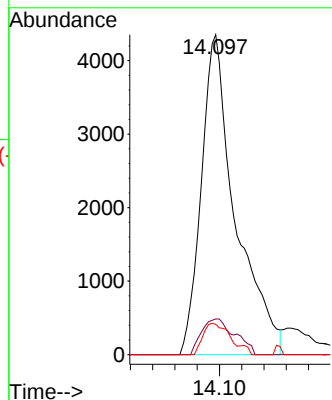
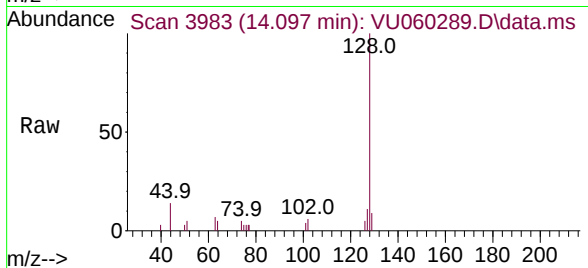
Tgt Ion:128 Resp: 9261

Ion Ratio Lower Upper

128 100

127 8.8 10.4 15.6#

129 7.2 8.6 13.0#



#72

1,2,3-Trichlorobenzene

Concen: 1.675 ug/L

RT: 14.331 min Scan# 4056

Delta R.T. 0.006 min

Lab File: VU060289.D

Acq: 01 Aug 2024 10:52

Tgt Ion:180 Resp: 3065

Ion Ratio Lower Upper

180 100

182 111.2 75.8 113.8

145 35.7 24.5 36.7

