

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031725\
 Data File : VU063296.D
 Acq On : 17 Mar 2025 16:52
 Operator : MD/SY
 Sample : Q1546-01
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT1-2025-01

Quant Time: Mar 21 09:30:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 21 09:28:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	271457	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	265402	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	110123	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	107643	47.48	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	94.96%		
7) Chloroethane-d5	1.898	69	92483	49.63	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	99.26%		
11) 1,1-Dichloroethene-d2	2.554	63	147962	37.25	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	74.50%		
21) 2-Butanone-d5	4.608	46	165094	100.85	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	100.85%		
24) Chloroform-d	5.049	84	202267	47.72	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.44%		
26) 1,2-Dichloroethane-d4	5.689	65	128872	48.76	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.52%		
32) Benzene-d6	5.714	84	415077	49.85	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.70%		
36) 1,2-Dichloropropane-d6	6.679	67	135555	50.04	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.08%		
41) Toluene-d8	7.888	98	358240	48.39	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.78%		
43) trans-1,3-Dichloroprop...	8.171	79	56713	47.28	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.56%		
47) 2-Hexanone-d5	8.621	63	99554	96.89	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	96.89%		
56) 1,1,2,2-Tetrachloroeth...	10.743	84	194014	47.69	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	95.38%		
66) 1,2-Dichlorobenzene-d4	12.184	152	116487	52.31	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	104.62%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	5873	2.58	ug/L	94
3) Chloromethane	1.518	50	7026	2.75	ug/L	98
5) Vinyl chloride	1.599	62	6973	2.68	ug/L #	70
6) Bromomethane	1.837	94	3583	2.45	ug/L	92
8) Chloroethane	1.917	64	4206	2.65	ug/L	97
9) Trichlorofluoromethane	2.126	101	7655	2.55	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	6115	3.33	ug/L #	87
12) 1,1-Dichloroethene	2.567	96	5492	3.12	ug/L #	1
13) Acetone	2.621	43	6088	5.48	ug/L	96
14) Carbon disulfide	2.779	76	17655	3.15	ug/L	96
15) Methyl Acetate	2.946	43	5247	2.15	ug/L #	100
17) trans-1,2-Dichloroethene	3.345	96	5341	2.87	ug/L	93
18) Methyl tert-butyl Ether	3.351	73	14122	2.38	ug/L	97
19) 1,1-Dichloroethane	3.856	63	9375	2.46	ug/L	99
20) cis-1,2-Dichloroethene	4.653	96	5552	2.60	ug/L	87
23) Bromochloromethane	4.965	128	2788	2.55	ug/L	92
25) Chloroform	5.078	83	10911	2.84	ug/L	87
27) 1,2-Dichloroethane	5.788	62	7861	2.61	ug/L	98
29) Cyclohexane	5.374	56	6752	2.19	ug/L	92

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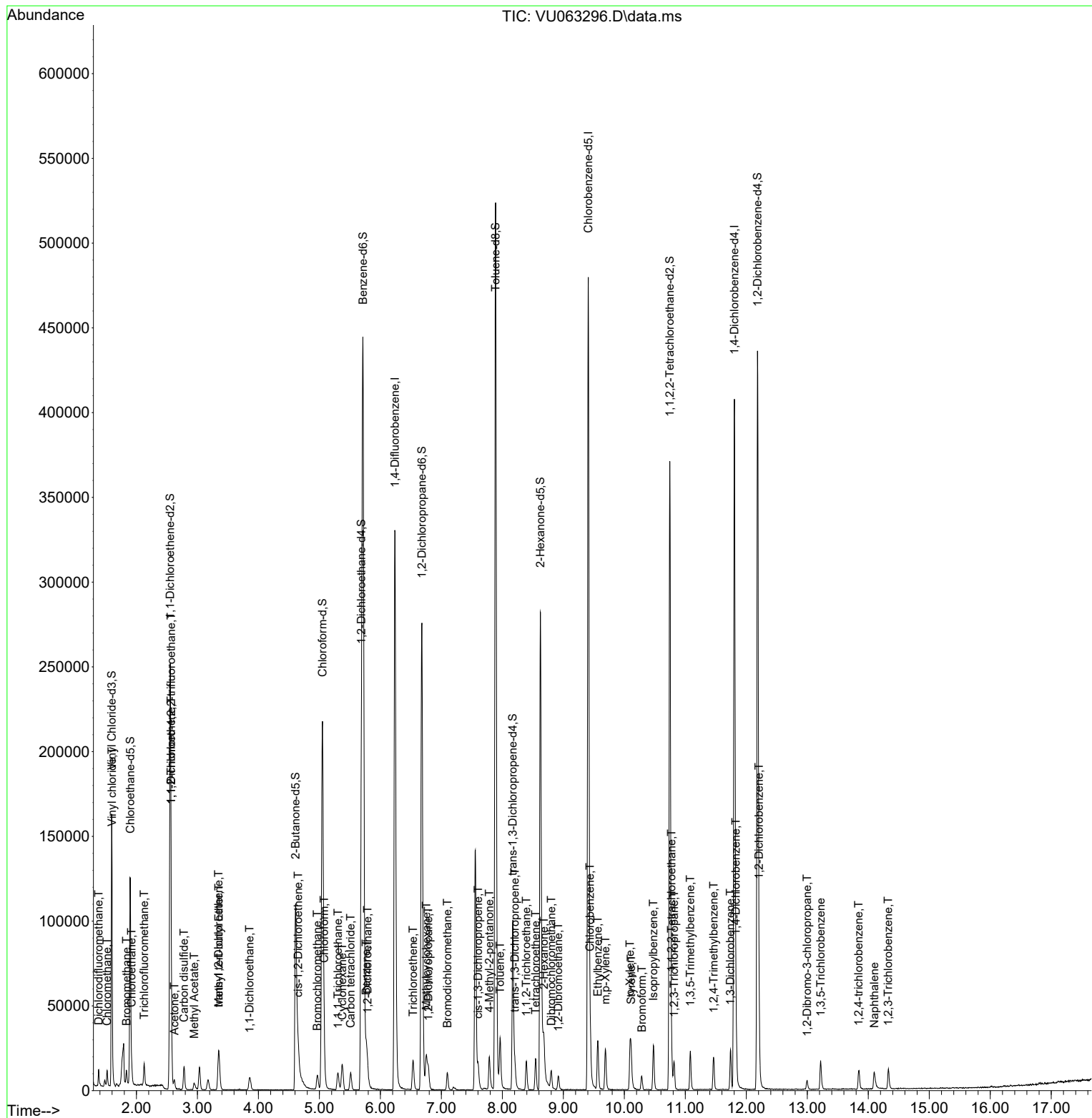
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 1,1,1-Trichloroethane	5.303	97	7628	2.46	ug/L	97
31) Carbon tetrachloride	5.512	117	6806	2.64	ug/L	96
33) Benzene	5.766	78	22291	2.66	ug/L	100
34) Trichloroethene	6.538	95	6060	2.84	ug/L	96
35) Methylcyclohexane	6.753	83	7280	2.39	ug/L	99
37) 1,2-Dichloropropane	6.785	63	6130	2.61	ug/L #	95
38) Bromodichloromethane	7.097	83	7055	2.45	ug/L	89
39) cis-1,3-Dichloropropene	7.602	75	8723	2.54	ug/L	97
40) 4-Methyl-2-pentanone	7.785	43	14326	4.70	ug/L	94
42) Toluene	7.962	91	21816	2.52	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	6998	2.20	ug/L	88
45) 1,1,2-Trichloroethane	8.393	97	5516	2.48	ug/L	96
46) Tetrachloroethene	8.544	164	4434	2.95	ug/L	90
48) 2-Hexanone	8.679	43	15136	6.51	ug/L #	97
49) Dibromochloromethane	8.801	129	5415	2.51	ug/L	96
50) 1,2-Dibromoethane	8.914	107	6098	2.62	ug/L #	95
51) Chlorobenzene	9.438	112	14442	2.65	ug/L	98
52) Ethylbenzene	9.563	91	21499	2.37	ug/L	92
53) m,p-Xylene	9.689	106	7177	2.14	ug/L	93
54) o-Xylene	10.094	106	6980	2.14	ug/L	94
55) Styrene	10.113	104	11082	2.06	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.772	83	9482	2.45	ug/L #	93
59) Bromoform	10.287	173	3794	2.61	ug/L #	98
60) 1,2,3-Trichloropropane	10.814	75	7405	2.90	ug/L	95
61) Isopropylbenzene	10.476	105	17352	2.40	ug/L	96
62) 1,3,5-Trimethylbenzene	11.081	105	13376	2.35	ug/L	94
63) 1,2,4-Trimethylbenzene	11.463	105	11807	2.16	ug/L	97
64) 1,3-Dichlorobenzene	11.740	146	9994	2.93	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	11012	3.18	ug/L	96
67) 1,2-Dichlorobenzene	12.206	146	10242	2.98	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.994	75	1672	2.51	ug/L	92
69) 1,3,5-Trichlorobenzene	13.219	180	6149	2.68	ug/L	97
70) 1,2,4-trichlorobenzene	13.843	180	4603	2.60	ug/L	96
71) Naphthalene	14.097	128	13252	2.72	ug/L #	87
72) 1,2,3-Trichlorobenzene	14.325	180	4665	2.69	ug/L	92

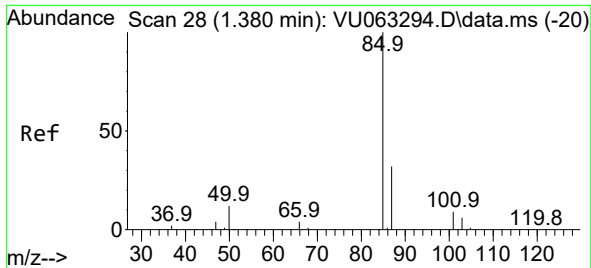
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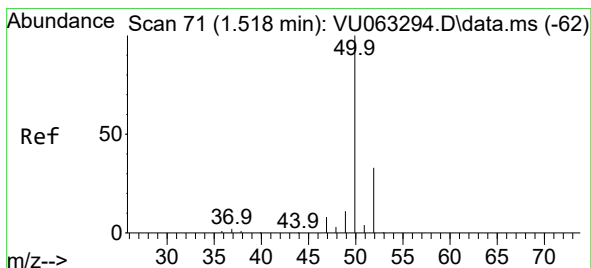
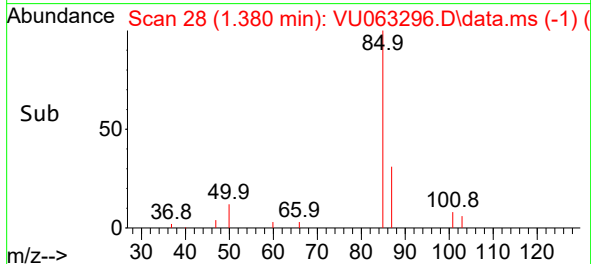
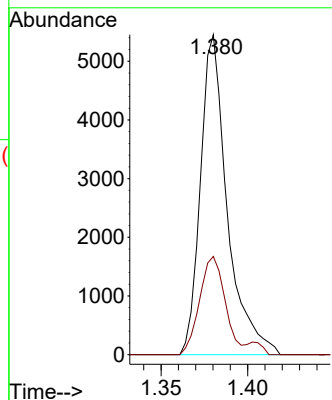
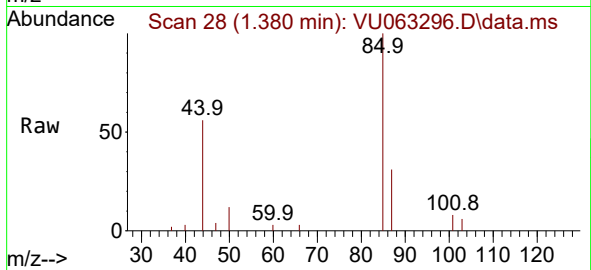




#2
Dichlorodifluoromethane
Concen: 2.58 ug/L
RT: 1.380 min Scan# 28
Delta R.T. 0.000 min
Lab File: VU063296.D
Acq: 17 Mar 2025 16:52

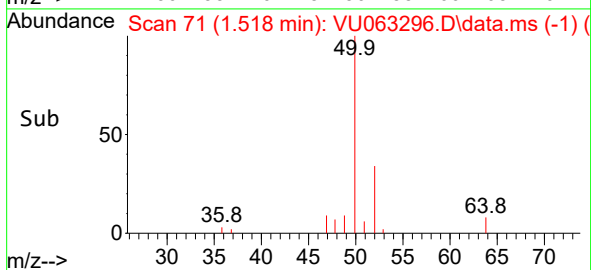
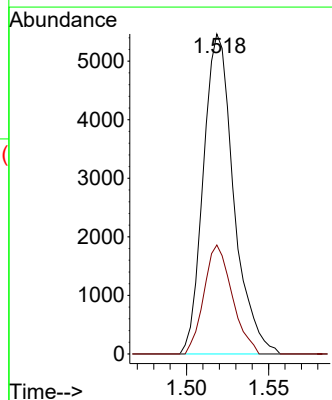
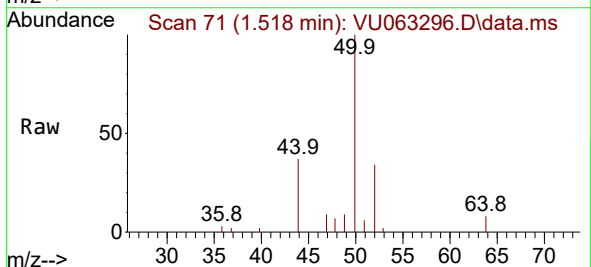
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-01

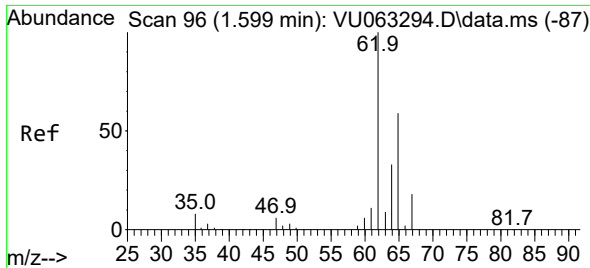
Tgt Ion: 85 Resp: 5873
Ion Ratio Lower Upper
85 100
87 29.1 25.8 38.6



#3
Chloromethane
Concen: 2.75 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU063296.D
Acq: 17 Mar 2025 16:52

Tgt Ion: 50 Resp: 7026
Ion Ratio Lower Upper
50 100
52 34.1 23.2 43.0

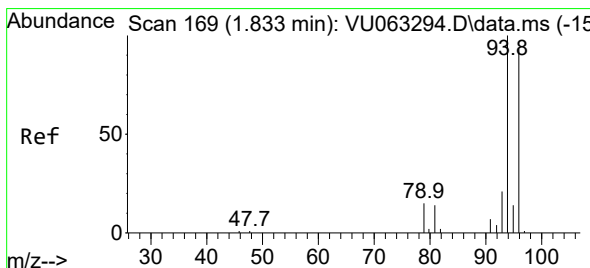
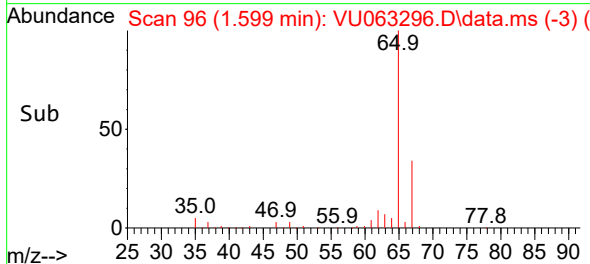
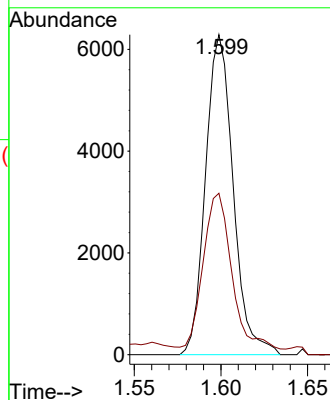
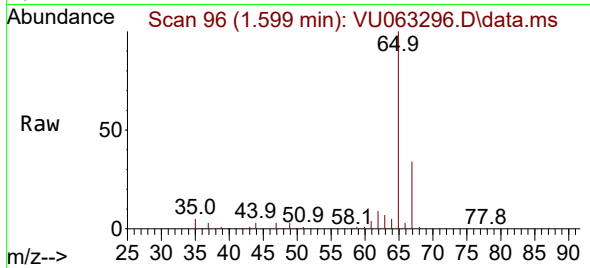




#5
 Vinyl chloride
 Concen: 2.68 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VU063296.D
 Acq: 17 Mar 2025 16:52

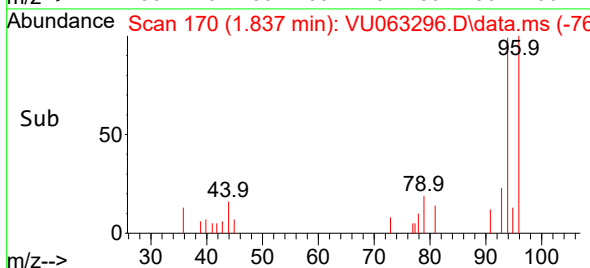
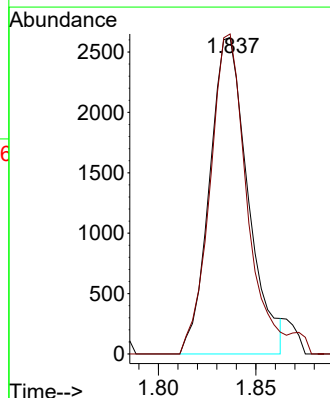
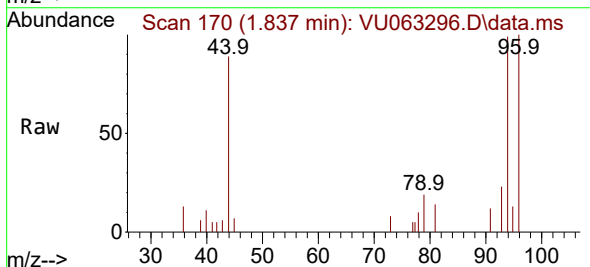
Instrument :
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 ClientSampleId :
 MDL-WATER-QT1-2025-01

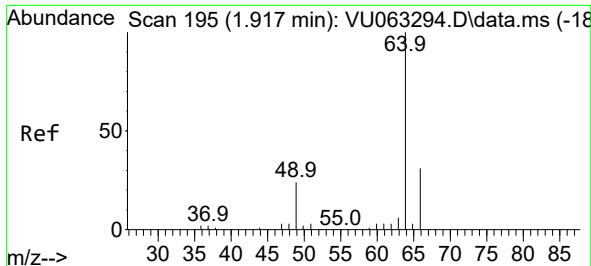
Tgt Ion: 62 Resp: 6973
 Ion Ratio Lower Upper
 62 100
 64 50.4 23.2 43.2#



#6
 Bromomethane
 Concen: 2.45 ug/L
 RT: 1.837 min Scan# 170
 Delta R.T. 0.003 min
 Lab File: VU063296.D
 Acq: 17 Mar 2025 16:52

Tgt Ion: 94 Resp: 3583
 Ion Ratio Lower Upper
 94 100
 96 101.2 65.2 121.2





#8

Chloroethane

Concen: 2.65 ug/L

RT: 1.917 min Scan# 195

Delta R.T. 0.000 min

Lab File: VU063296.D

Acq: 17 Mar 2025 16:52

Instrument :

MSVOA_U

ClientSampleId :

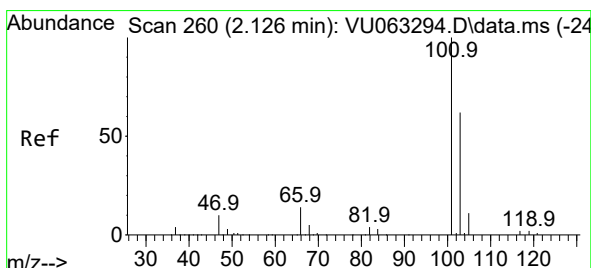
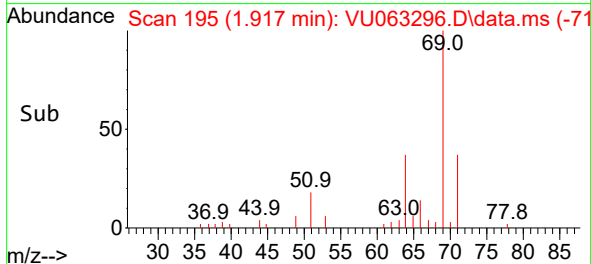
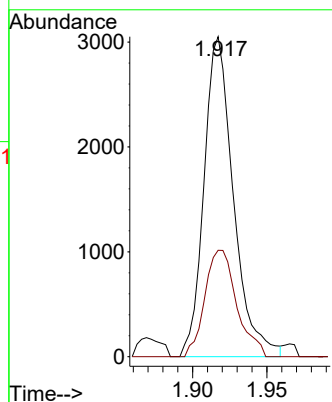
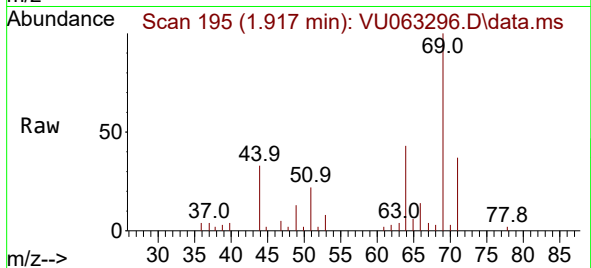
MDL-WATER-QT1-2025-01

Tgt Ion: 64 Resp: 4206

Ion Ratio Lower Upper

64 100

66 33.2 22.0 41.0



#9

Trichlorofluoromethane

Concen: 2.55 ug/L

RT: 2.126 min Scan# 260

Delta R.T. 0.000 min

Lab File: VU063296.D

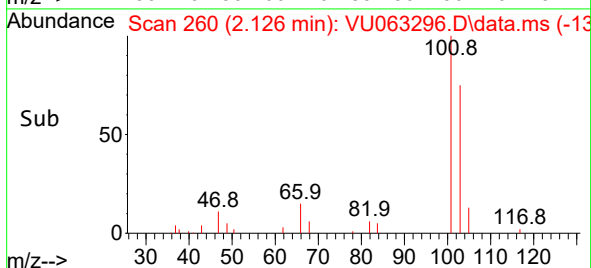
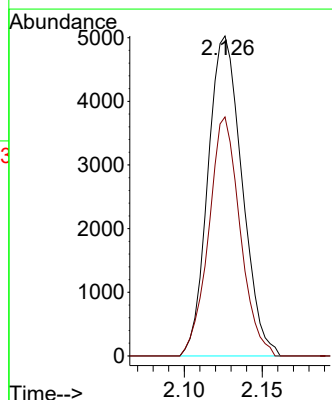
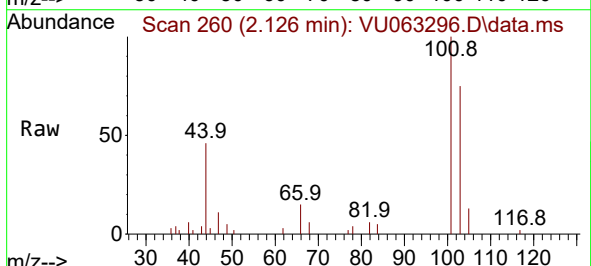
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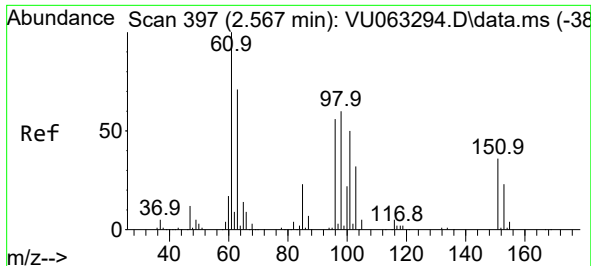
Tgt Ion:101 Resp: 7655

Ion Ratio Lower Upper

101 100

103 68.7 51.2 76.8

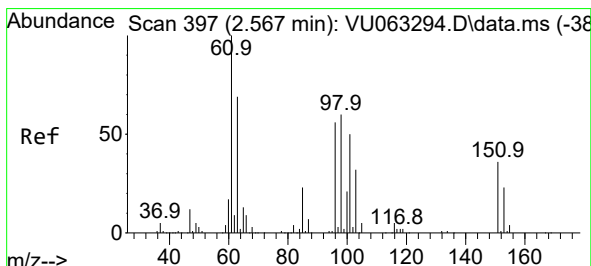
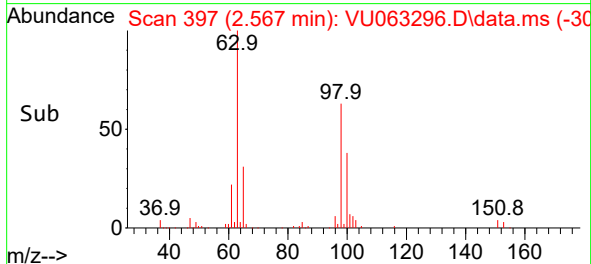
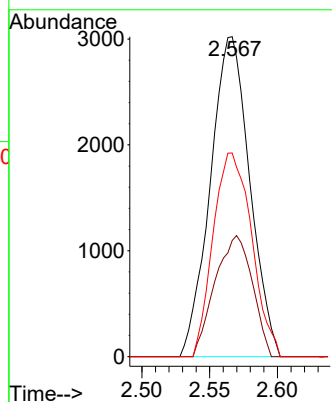
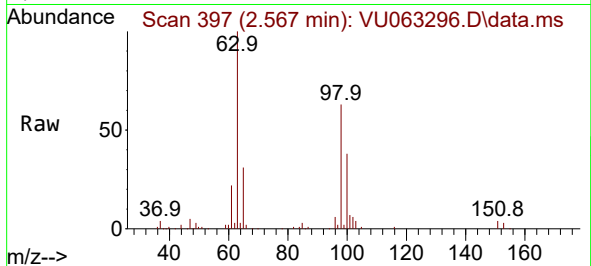




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 3.33 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. 0.000 min
 Lab File: VU063296.D
 Acq: 17 Mar 2025 16:52

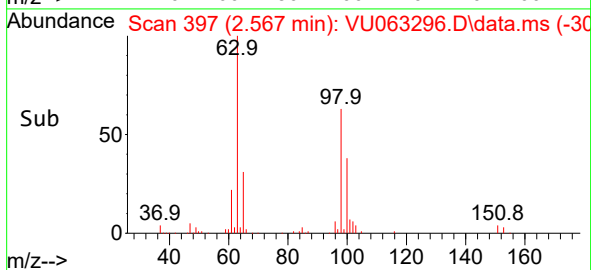
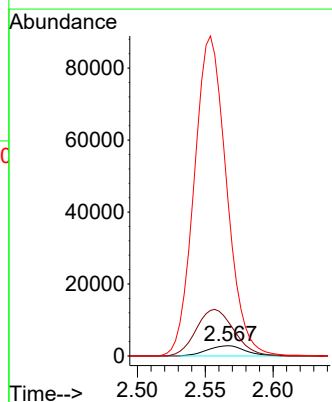
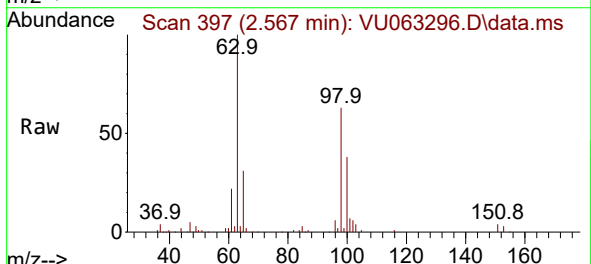
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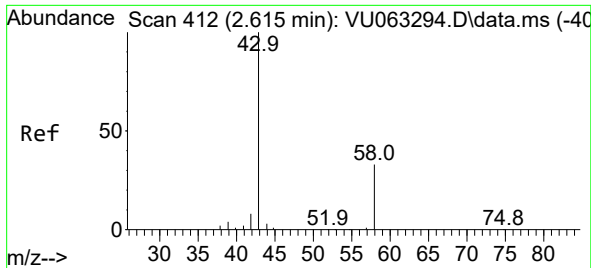
Tgt Ion: 101 Resp: 6115
 Ion Ratio Lower Upper
 101 100
 85 35.7 36.5 54.7#
 151 62.1 57.4 86.0



#12
 1,1-Dichloroethene
 Concen: 3.12 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. 0.000 min
 Lab File: VU063296.D
 Acq: 17 Mar 2025 16:52

Tgt Ion: 96 Resp: 5492
 Ion Ratio Lower Upper
 96 100
 61 340.2 121.9 226.5#
 63 1541.6 93.2 173.0#





#13

Acetone

Concen: 5.48 ug/L

RT: 2.621 min Scan# 41

Delta R.T. 0.007 min

Lab File: VU063296.D

Acq: 17 Mar 2025 16:52

Instrument :

MSVOA_U

ClientSampleId :

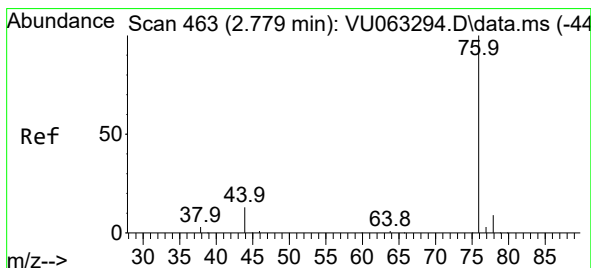
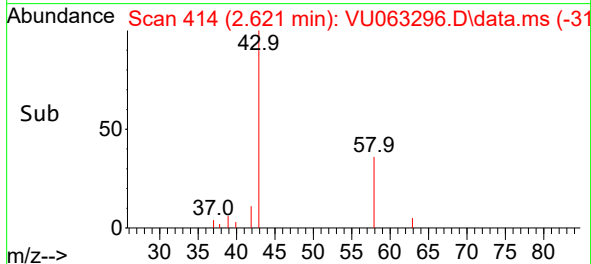
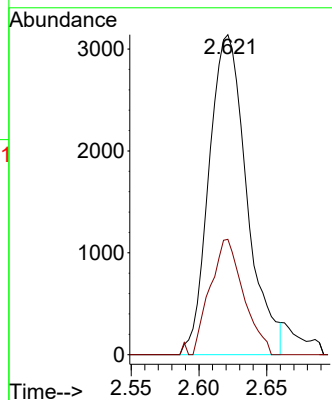
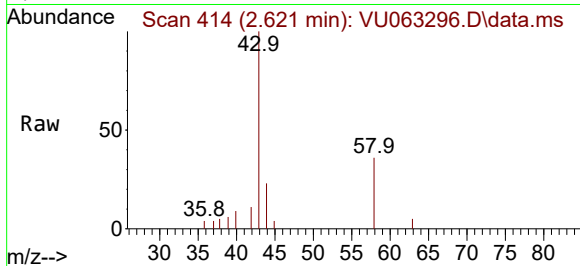
MDL-WATER-QT1-2025-01

Tgt Ion: 43 Resp: 6088

Ion Ratio Lower Upper

43 100

58 31.9 0.0 68.4



#14

Carbon disulfide

Concen: 3.15 ug/L

RT: 2.779 min Scan# 463

Delta R.T. 0.000 min

Lab File: VU063296.D

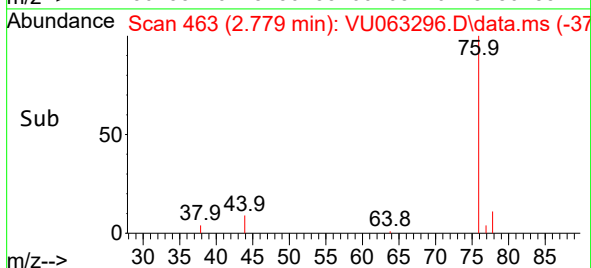
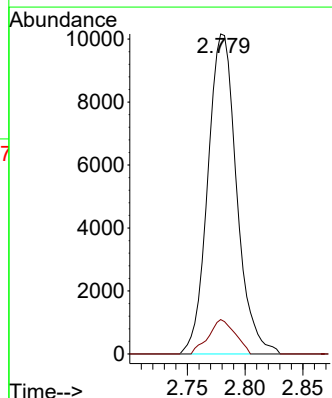
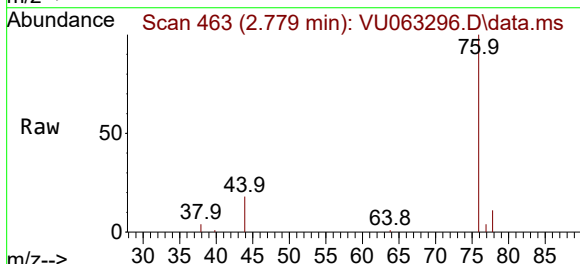
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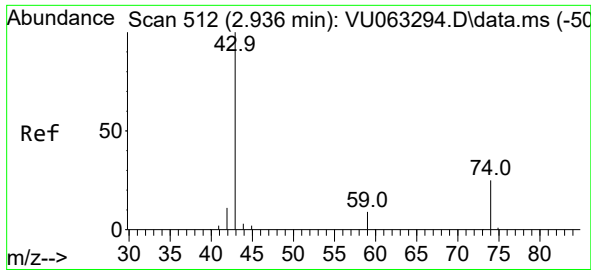
Tgt Ion: 76 Resp: 17655

Ion Ratio Lower Upper

76 100

78 10.8 7.4 11.2





#15

Methyl Acetate

Concen: 2.15 ug/L

RT: 2.946 min Scan# 512

Delta R.T. 0.010 min

Lab File: VU063296.D

Acq: 17 Mar 2025 16:52

Instrument :

MSVOA_U

ClientSampleId :

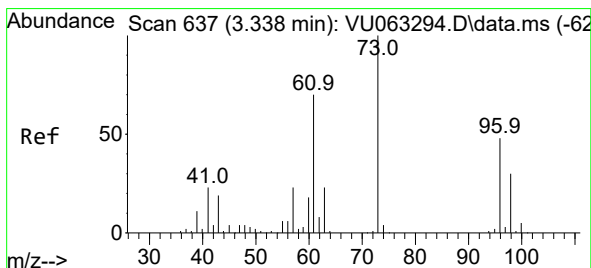
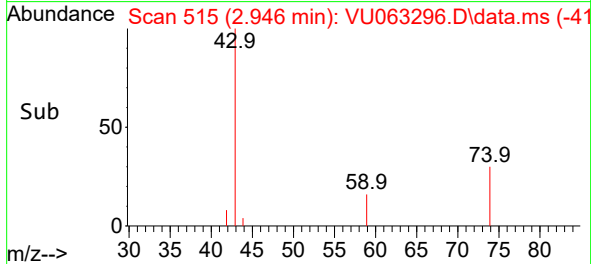
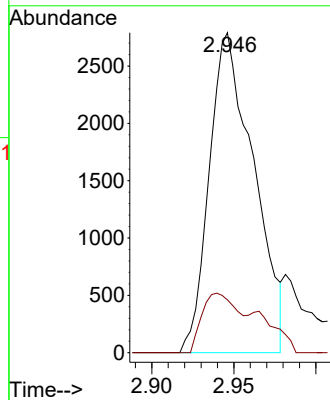
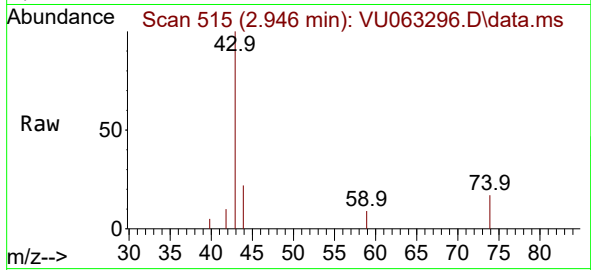
MDL-WATER-QT1-2025-01

Tgt Ion: 43 Resp: 5247

Ion Ratio Lower Upper

43 100

74 14.7 0.0 0.0#



#17

trans-1,2-Dichloroethene

Concen: 2.87 ug/L

RT: 3.345 min Scan# 639

Delta R.T. 0.007 min

Lab File: VU063296.D

Acq: 17 Mar 2025 16:52

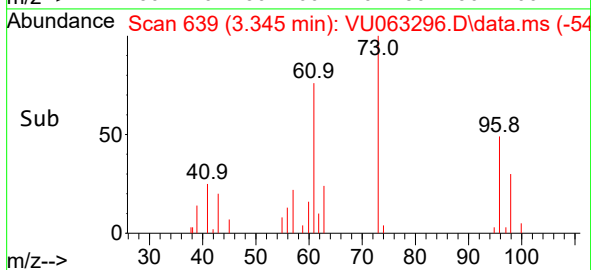
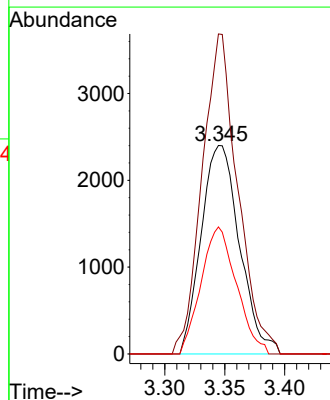
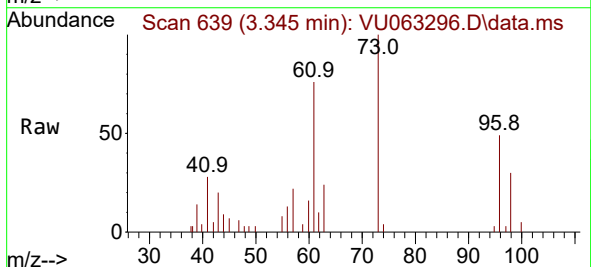
Tgt Ion: 96 Resp: 5341

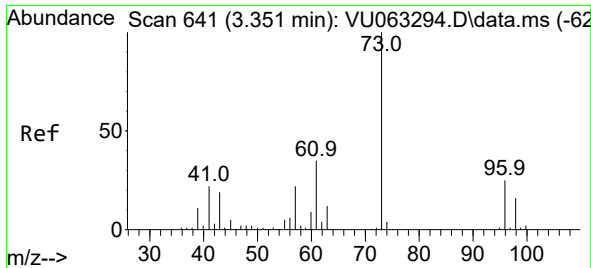
Ion Ratio Lower Upper

96 100

61 153.5 100.1 185.9

98 60.9 44.2 82.0

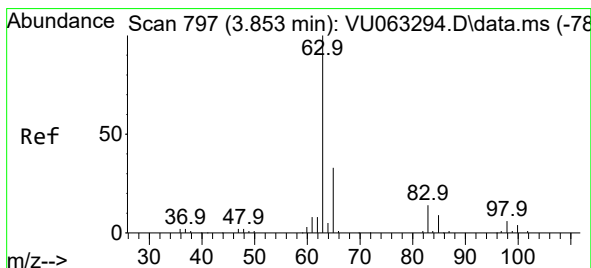
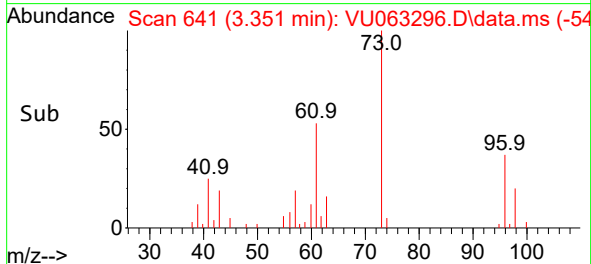
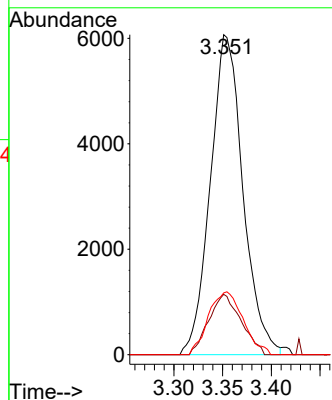
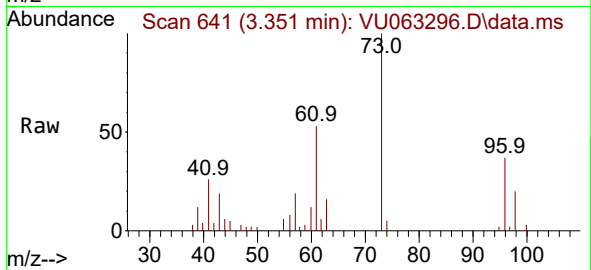




#18
Methyl tert-butyl Ether
Concen: 2.38 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU063296.D
Acq: 17 Mar 2025 16:52

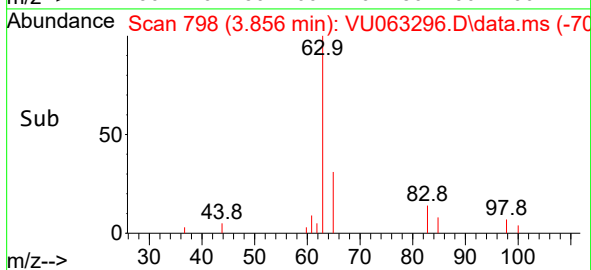
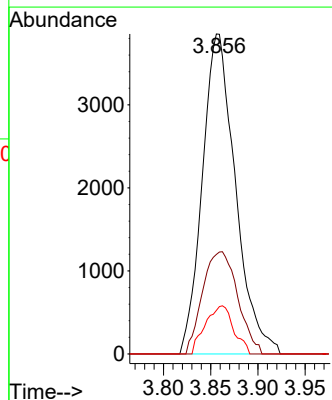
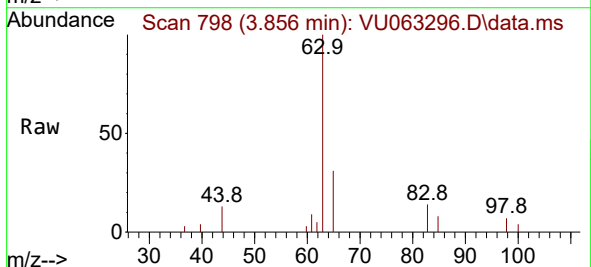
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-01

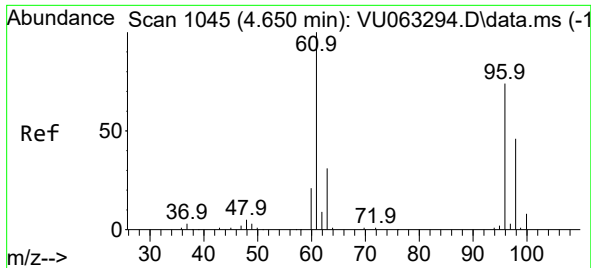
Tgt Ion: 73	Resp:	14122
Ion Ratio	Lower	Upper
73	100	
43	18.7	15.4 23.2
57	21.0	18.3 27.5



#19
1,1-Dichloroethane
Concen: 2.46 ug/L
RT: 3.856 min Scan# 798
Delta R.T. 0.003 min
Lab File: VU063296.D
Acq: 17 Mar 2025 16:52

Tgt Ion: 63	Resp:	9375
Ion Ratio	Lower	Upper
63	100	
65	31.1	21.9 40.7
83	13.6	9.0 16.6

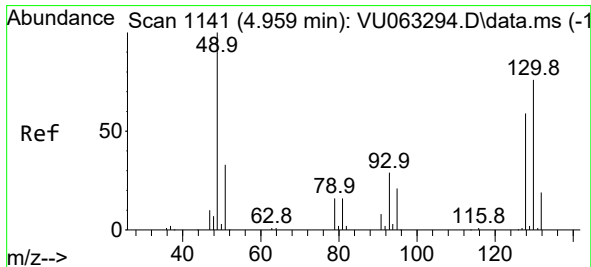
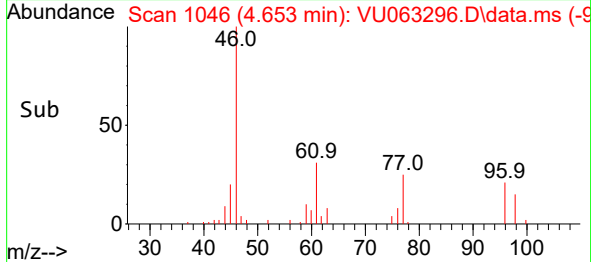
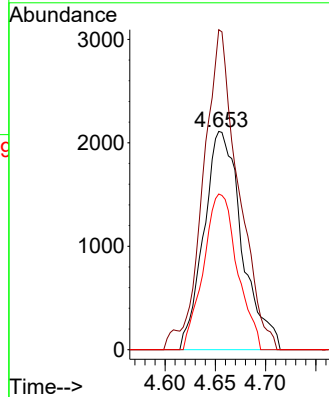
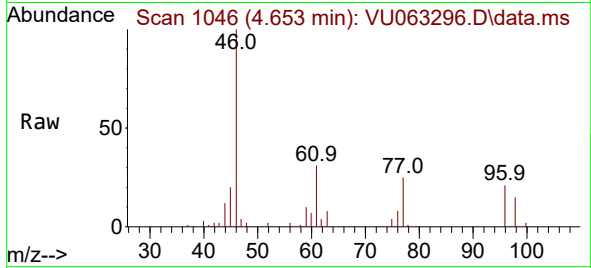




#20
cis-1,2-Dichloroethene
Concen: 2.60 ug/L
RT: 4.653 min Scan# 1046
Delta R.T. 0.003 min
Lab File: VU063296.D
Acq: 17 Mar 2025 16:52

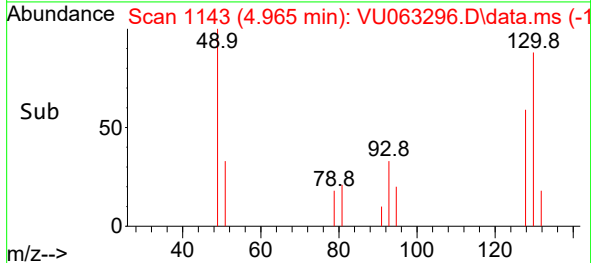
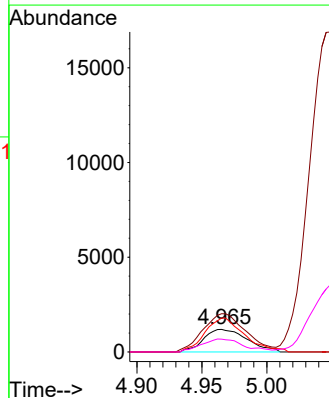
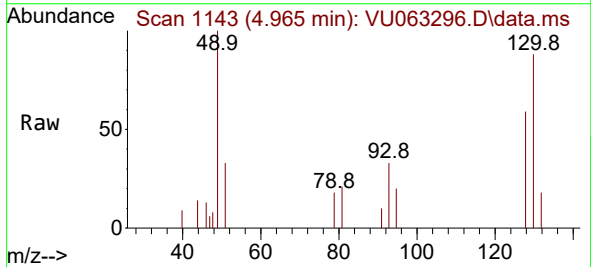
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-01

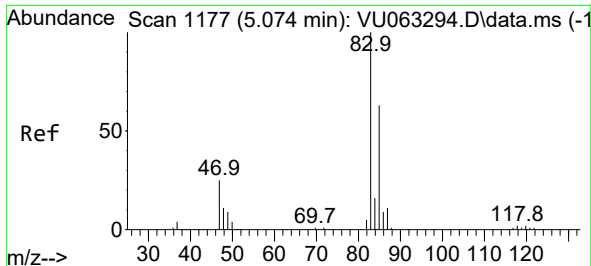
Tgt Ion:	96	Resp:	5552
Ion	Ratio	Lower	Upper
96	100		
61	146.6	91.6	170.0
98	71.3	44.0	81.8



#23
Bromochloromethane
Concen: 2.55 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. 0.007 min
Lab File: VU063296.D
Acq: 17 Mar 2025 16:52

Tgt Ion:	128	Resp:	2788
Ion	Ratio	Lower	Upper
128	100		
49	169.5	118.2	219.6
130	149.8	89.2	165.8
51	56.7	43.6	65.4





#25

Chloroform

Concen: 2.84 ug/L

RT: 5.078 min Scan# 1177

Delta R.T. 0.003 min

Lab File: VU063296.D

Acq: 17 Mar 2025 16:52

Instrument :

MSVOA_U

ClientSampleId :

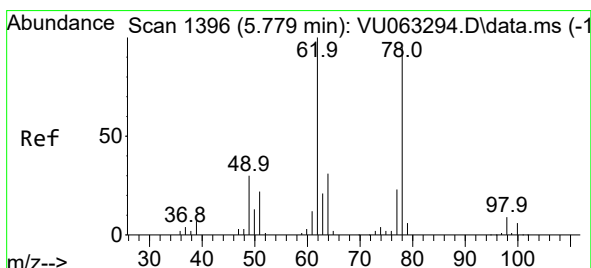
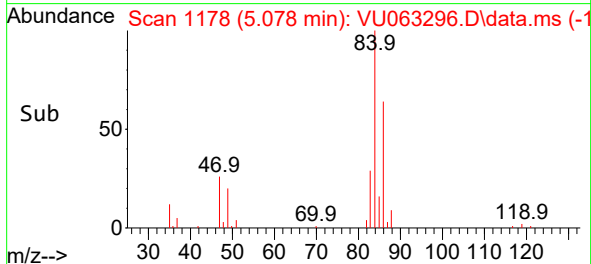
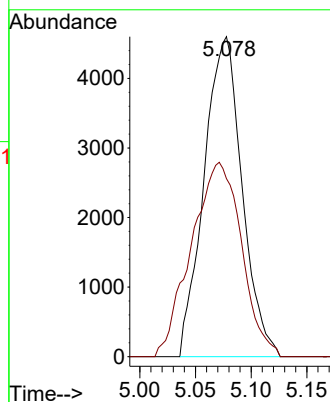
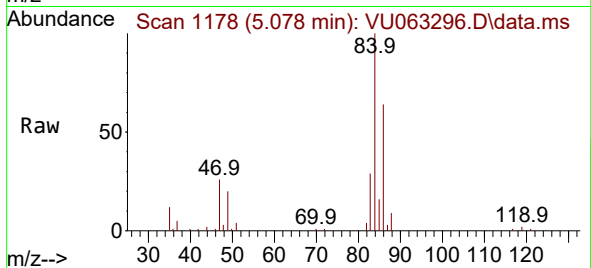
MDL-WATER-QT1-2025-01

Tgt Ion: 83 Resp: 10911

Ion Ratio Lower Upper

83 100

85 55.7 45.9 85.3



#27

1,2-Dichloroethane

Concen: 2.61 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.010 min

Lab File: VU063296.D

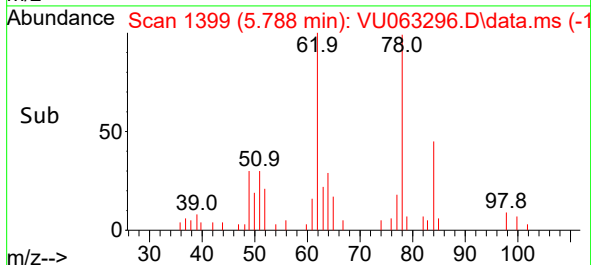
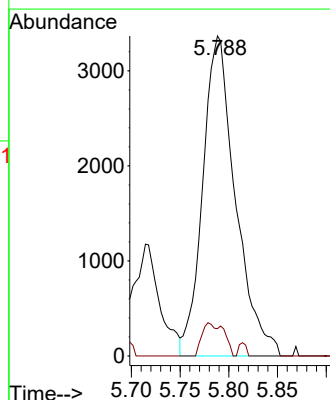
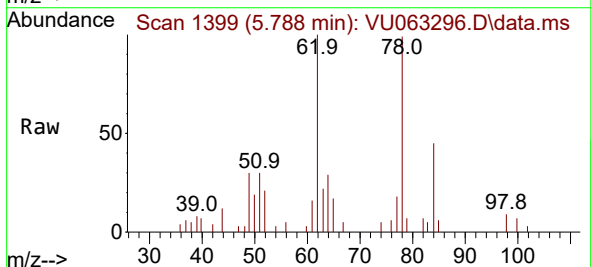
Acq: 17 Mar 2025 16:52

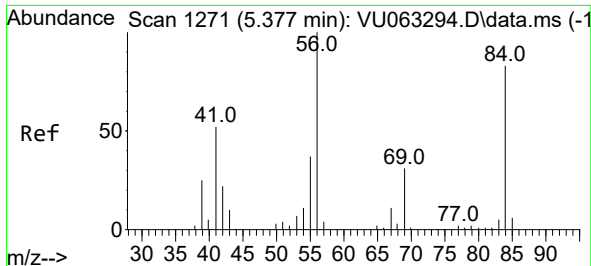
Tgt Ion: 62 Resp: 7861

Ion Ratio Lower Upper

62 100

98 8.6 7.5 11.3





#29

Cyclohexane

Concen: 2.19 ug/L

RT: 5.374 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU063296.D

Acq: 17 Mar 2025 16:52

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2025-01

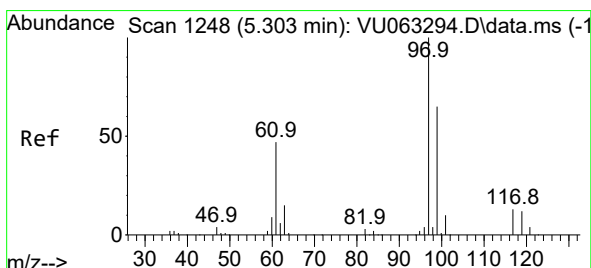
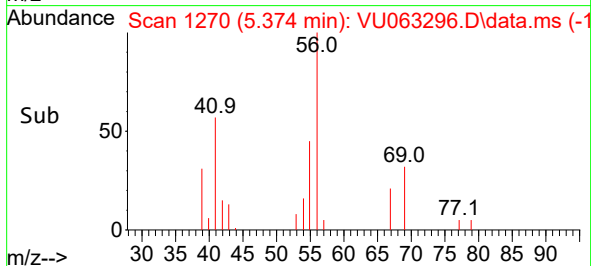
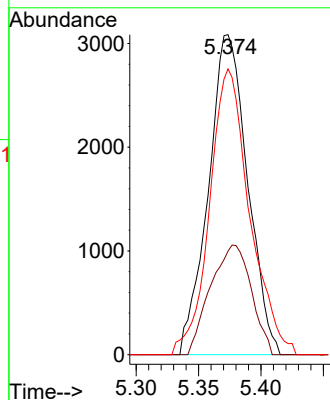
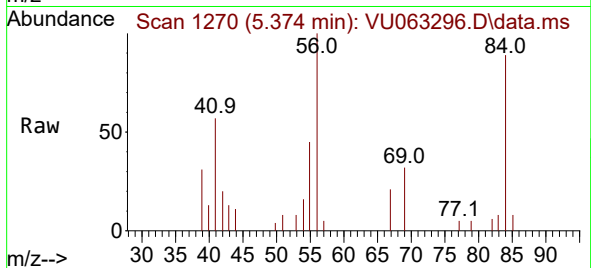
Tgt Ion: 56 Resp: 6752

Ion Ratio Lower Upper

56 100

69 35.6 24.2 36.4

84 91.1 67.2 100.8



#30

1,1,1-Trichloroethane

Concen: 2.46 ug/L

RT: 5.303 min Scan# 1248

Delta R.T. 0.000 min

Lab File: VU063296.D

Acq: 17 Mar 2025 16:52

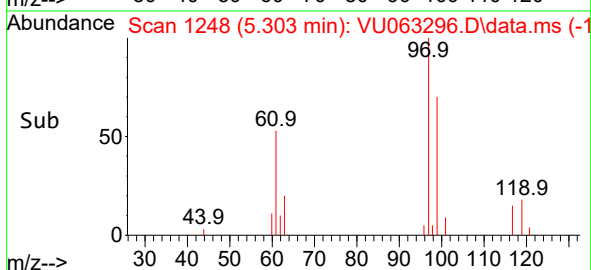
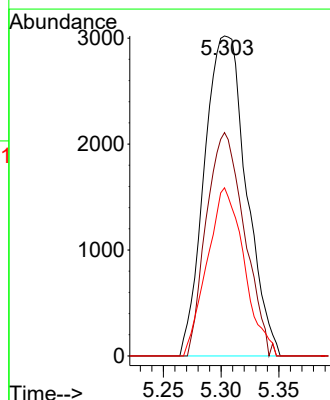
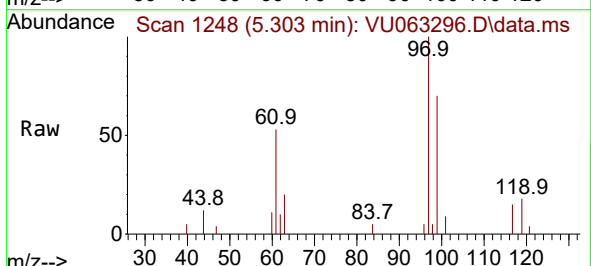
Tgt Ion: 97 Resp: 7628

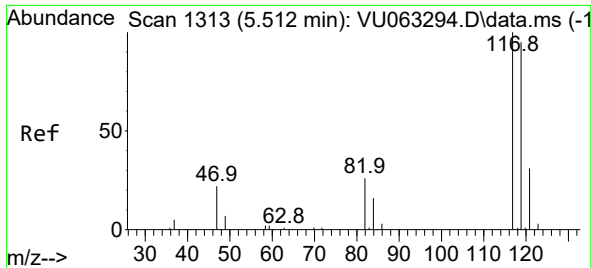
Ion Ratio Lower Upper

97 100

99 63.0 52.1 78.1

61 46.5 38.6 57.8

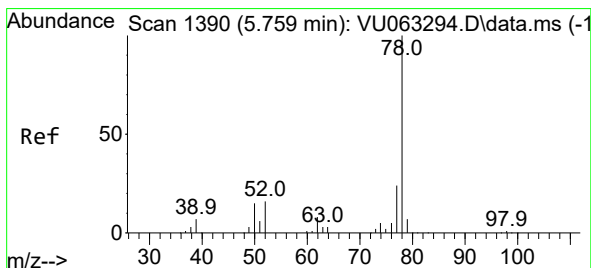
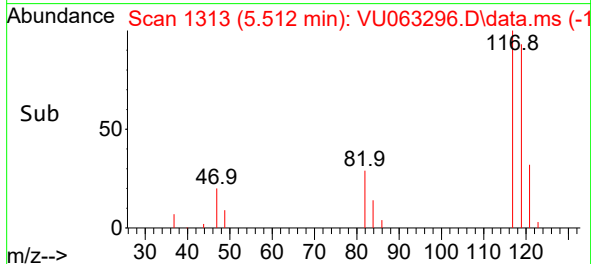
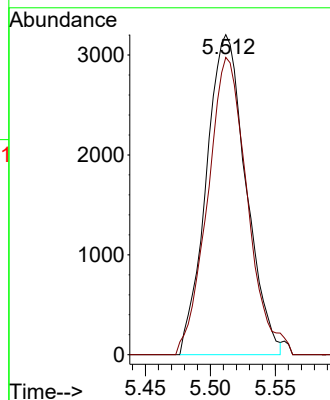
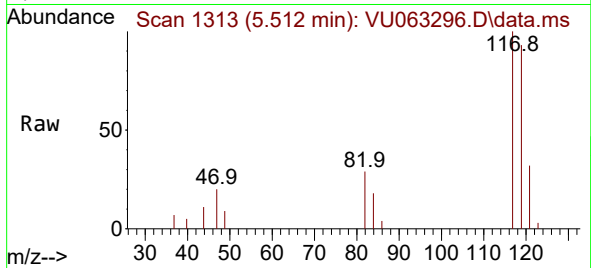




#31
Carbon tetrachloride
Concen: 2.64 ug/L
RT: 5.512 min Scan# 111
Delta R.T. 0.000 min
Lab File: VU063296.D
Acq: 17 Mar 2025 16:52

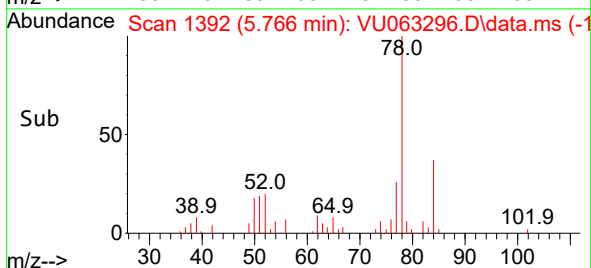
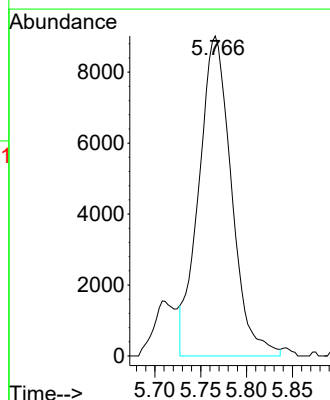
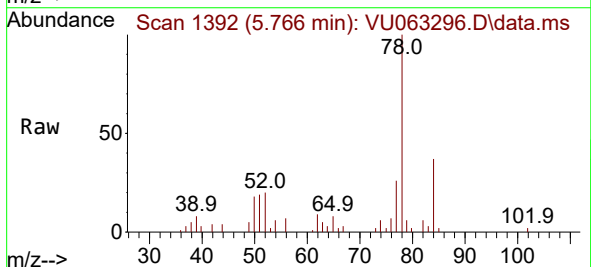
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-01

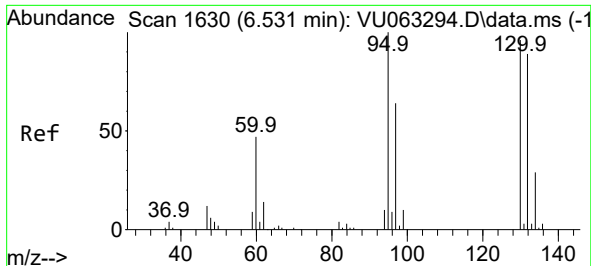
Tgt Ion:117 Resp: 6806
Ion Ratio Lower Upper
117 100
119 91.2 76.3 114.5



#33
Benzene
Concen: 2.66 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.007 min
Lab File: VU063296.D
Acq: 17 Mar 2025 16:52

Tgt Ion: 78 Resp: 22291



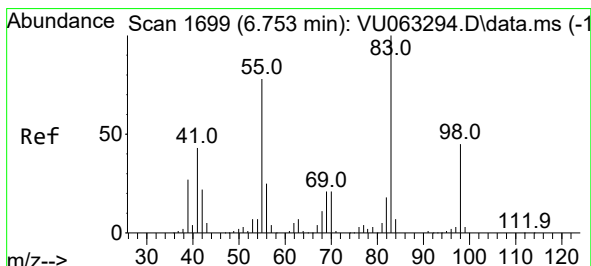
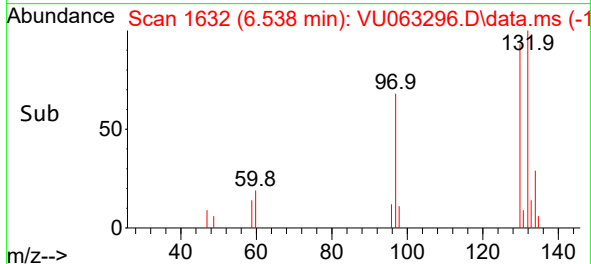
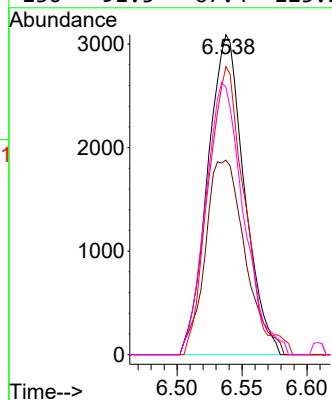
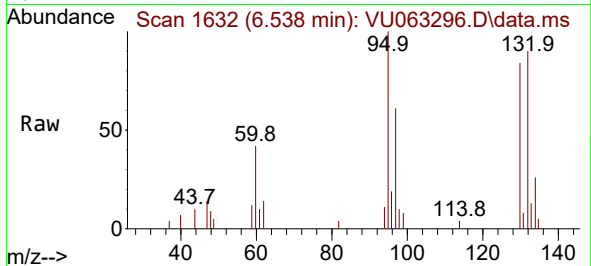


#34
Trichloroethene
Concen: 2.84 ug/L
RT: 6.538 min Scan# 1632
Delta R.T. 0.007 min
Lab File: VU063296.D
Acq: 17 Mar 2025 16:52

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-01

Tgt Ion: 95 Resp: 6060

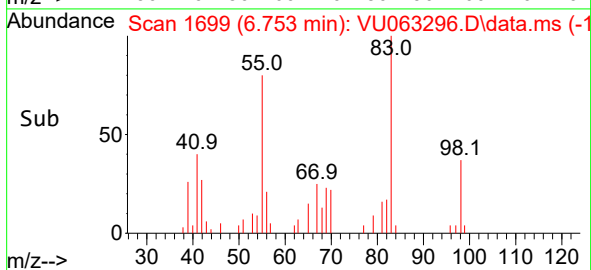
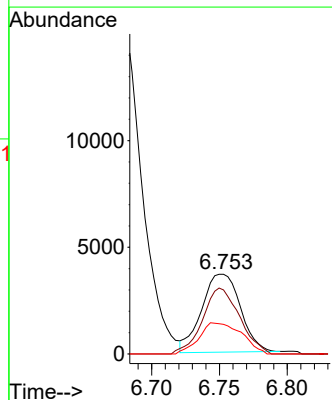
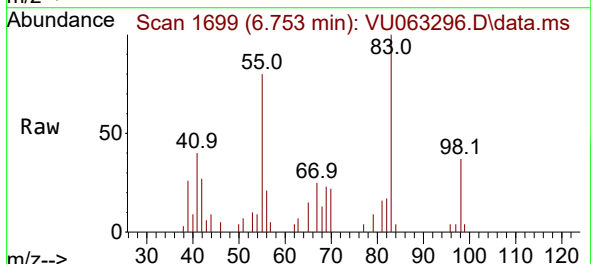
Ion	Ratio	Lower	Upper
95	100		
97	60.8	44.6	82.8
132	90.0	65.3	121.3
130	91.5	67.4	125.2

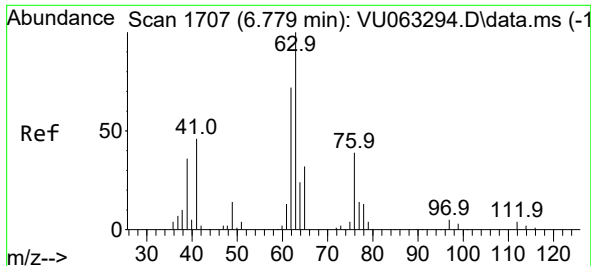


#35
Methylcyclohexane
Concen: 2.39 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VU063296.D
Acq: 17 Mar 2025 16:52

Tgt Ion: 83 Resp: 7280

Ion	Ratio	Lower	Upper
83	100		
55	80.5	63.4	95.2
98	43.7	35.2	52.8

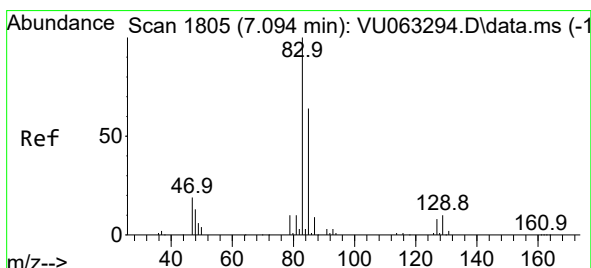
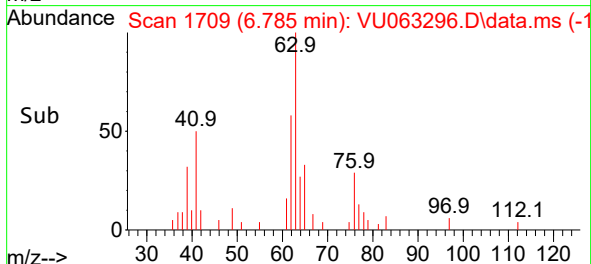
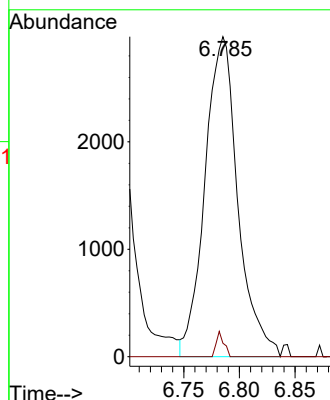
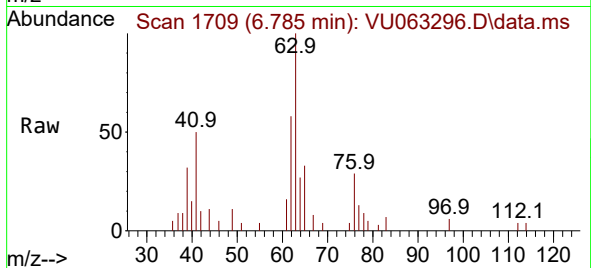




#37
1,2-Dichloropropane
Concen: 2.61 ug/L
RT: 6.785 min Scan# 11
Delta R.T. 0.007 min
Lab File: VU063296.D
Acq: 17 Mar 2025 16:52

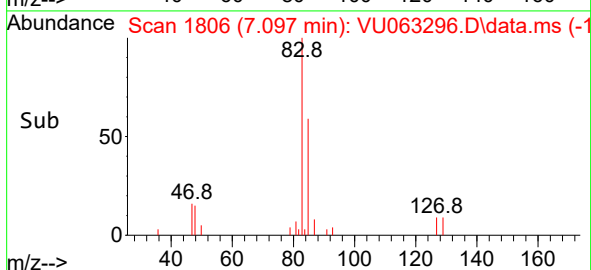
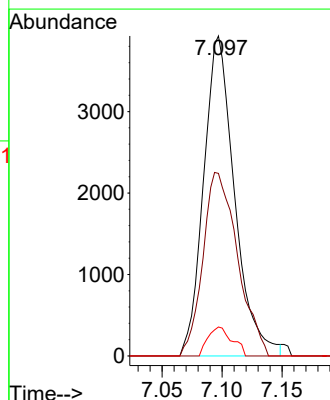
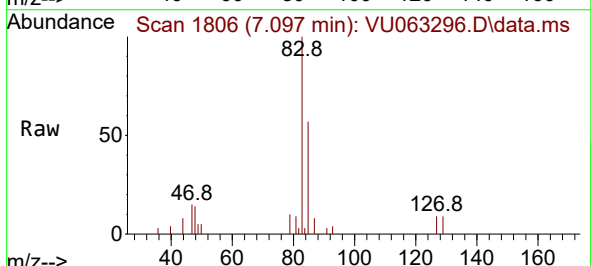
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-01

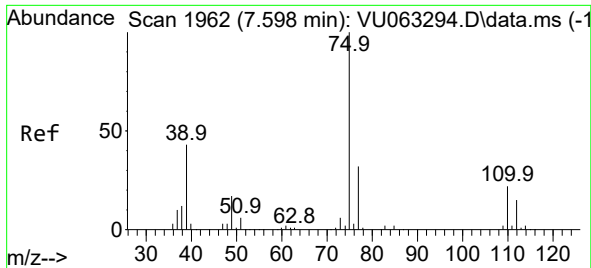
Tgt Ion: 63 Resp: 6130
Ion Ratio Lower Upper
63 100
112 1.8 2.9 4.3#



#38
Bromodichloromethane
Concen: 2.45 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.003 min
Lab File: VU063296.D
Acq: 17 Mar 2025 16:52

Tgt Ion: 83 Resp: 7055
Ion Ratio Lower Upper
83 100
85 55.4 45.3 84.1
127 8.8 6.0 9.0





#39

cis-1,3-Dichloropropene

Concen: 2.54 ug/L

RT: 7.602 min Scan# 1962

Delta R.T. 0.003 min

Lab File: VU063296.D

Acq: 17 Mar 2025 16:52

Instrument :

MSVOA_U

ClientSampleId :

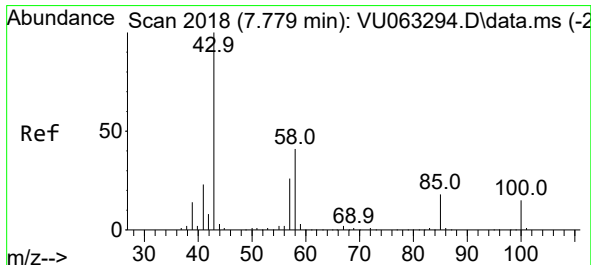
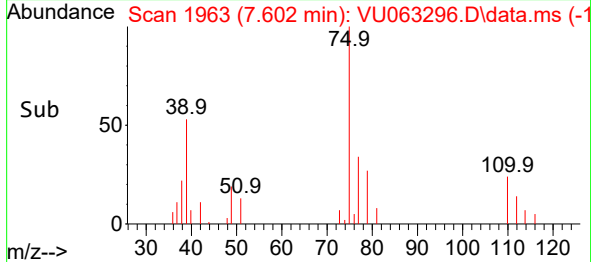
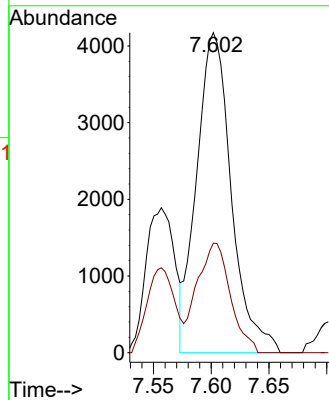
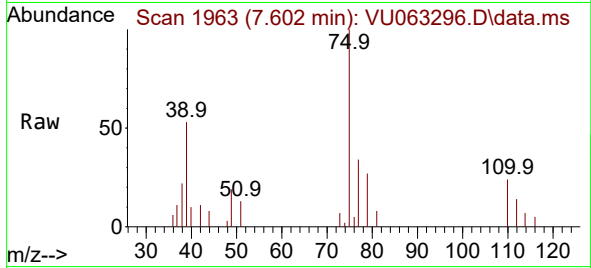
MDL-WATER-QT1-2025-01

Tgt Ion: 75 Resp: 8723

Ion Ratio Lower Upper

75 100

77 34.3 22.7 42.3



#40

4-Methyl-2-pentanone

Concen: 4.70 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. 0.007 min

Lab File: VU063296.D

Acq: 17 Mar 2025 16:52

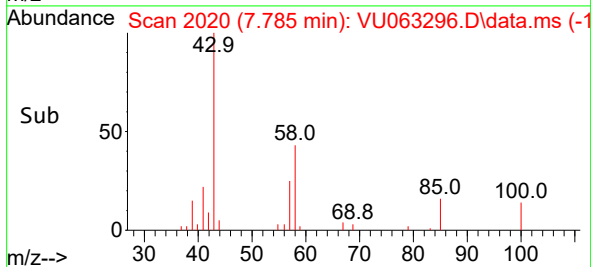
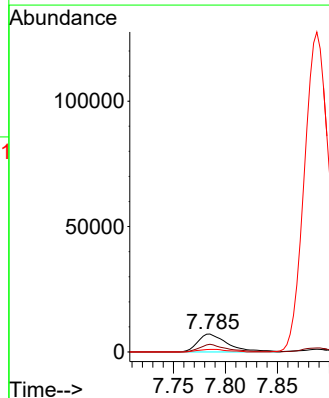
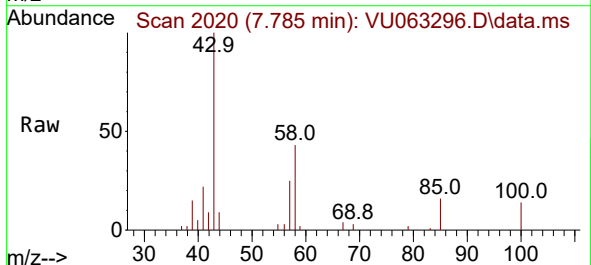
Tgt Ion: 43 Resp: 14326

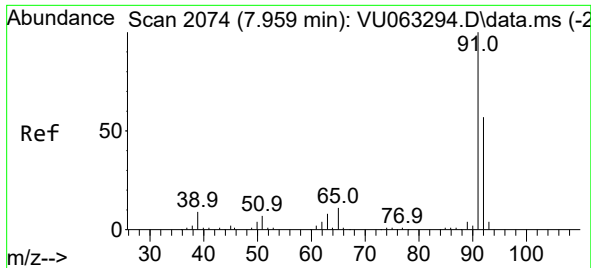
Ion Ratio Lower Upper

43 100

58 37.1 33.0 49.6

100 13.8 11.9 17.9





#42

Toluene

Concen: 2.52 ug/L

RT: 7.962 min Scan# 2074

Delta R.T. 0.003 min

Lab File: VU063296.D

Acq: 17 Mar 2025 16:52

Instrument :

MSVOA_U

ClientSampleId :

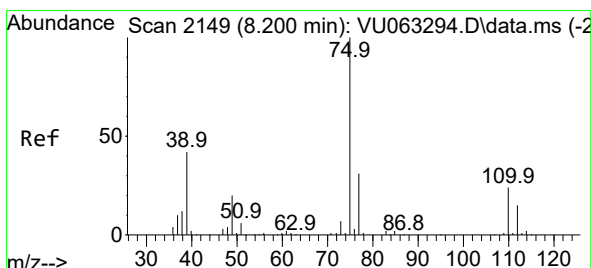
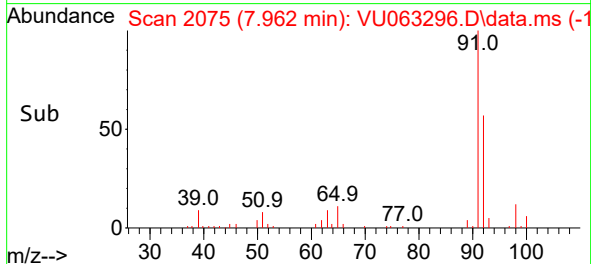
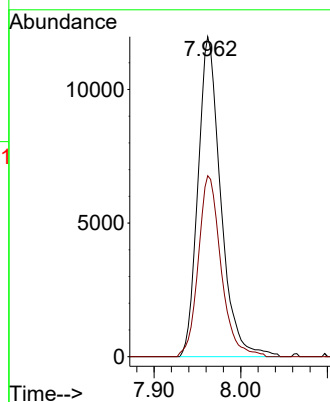
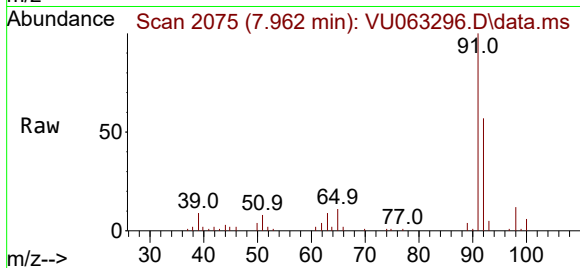
MDL-WATER-QT1-2025-01

Tgt Ion: 91 Resp: 21816

Ion Ratio Lower Upper

91 100

92 56.5 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 2.20 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.003 min

Lab File: VU063296.D

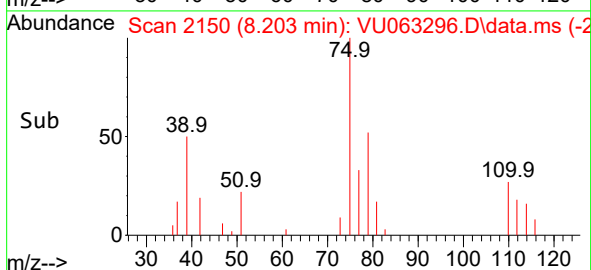
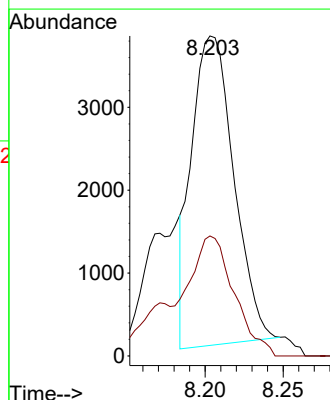
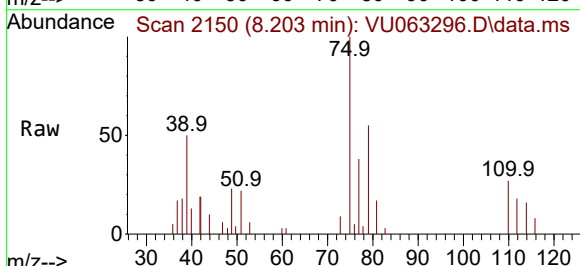
Acq: 17 Mar 2025 16:52

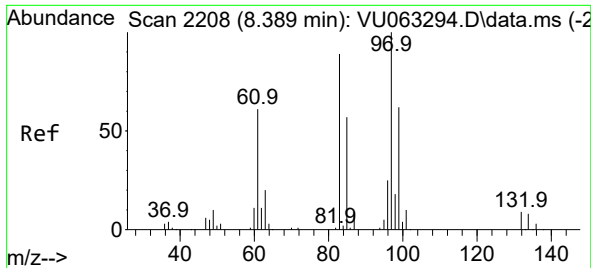
Tgt Ion: 75 Resp: 6998

Ion Ratio Lower Upper

75 100

77 37.5 21.7 40.3

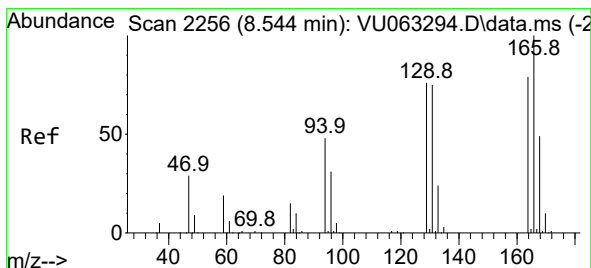
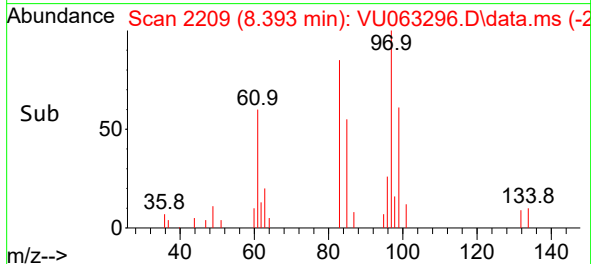
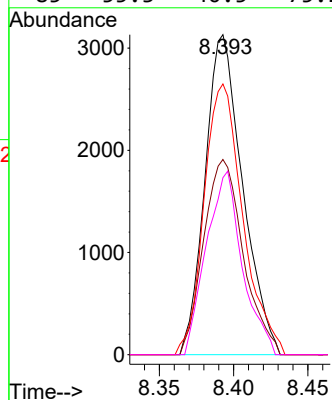
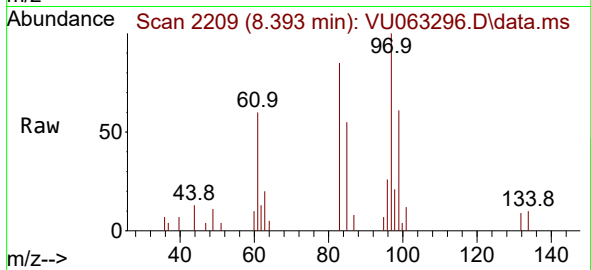




#45
1,1,2-Trichloroethane
Concen: 2.48 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.003 min
Lab File: VU063296.D
Acq: 17 Mar 2025 16:52

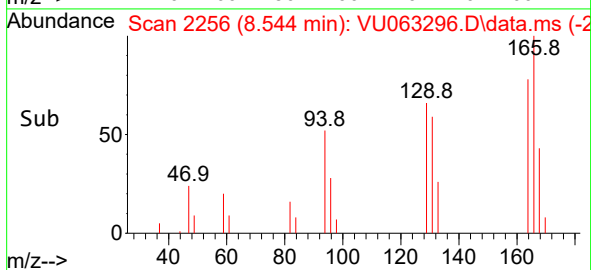
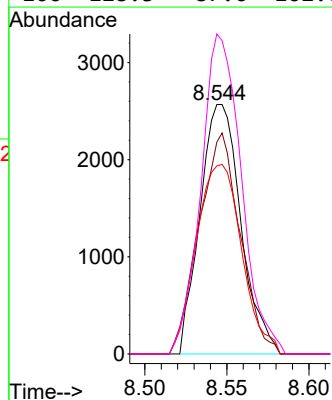
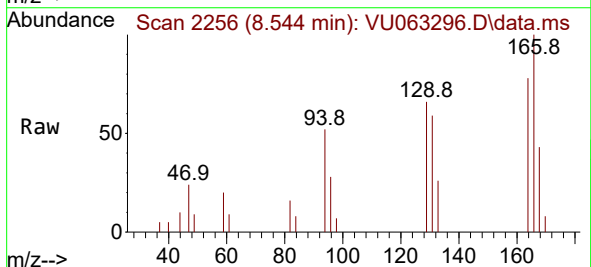
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-01

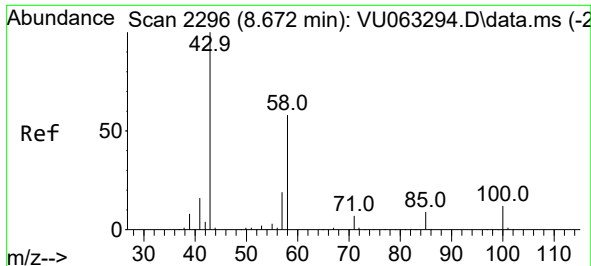
Tgt Ion: 97	Resp: 5516
Ion Ratio	Lower Upper
97 100	
99 61.0	44.4 82.4
83 84.6	63.3 117.5
85 55.3	40.5 75.1



#46
Tetrachloroethene
Concen: 2.95 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VU063296.D
Acq: 17 Mar 2025 16:52

Tgt Ion: 164	Resp: 4434
Ion Ratio	Lower Upper
164 100	
129 84.9	67.8 125.8
131 75.4	64.3 119.5
166 128.3	87.6 162.6

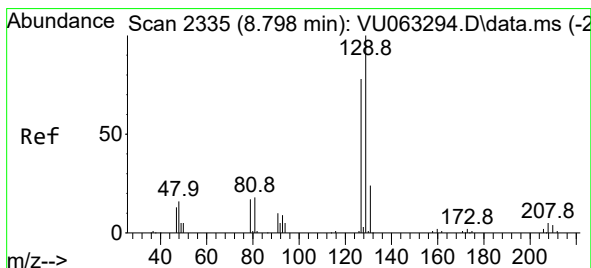
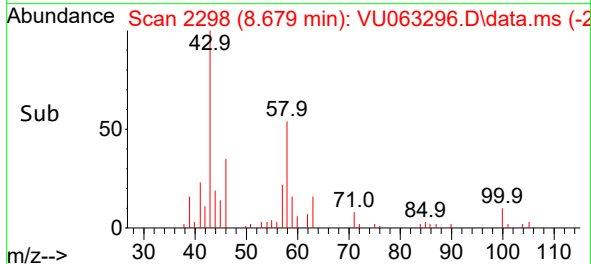
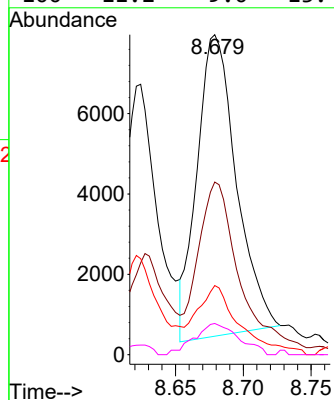
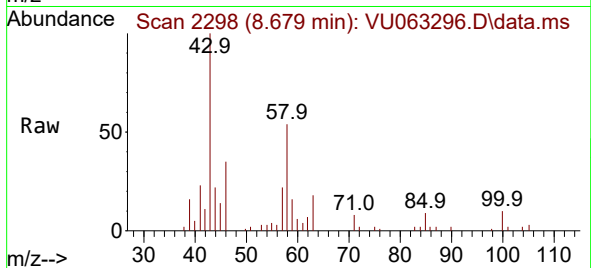




#48
2-Hexanone
Concen: 6.51 ug/L
RT: 8.679 min Scan# 211
Delta R.T. 0.007 min
Lab File: VU063296.D
Acq: 17 Mar 2025 16:52

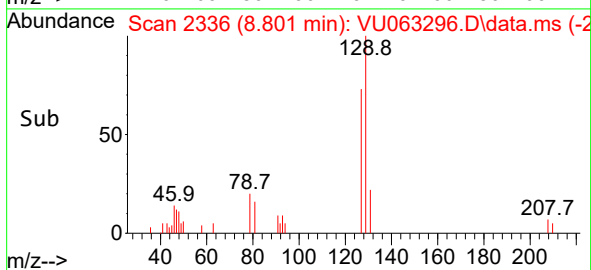
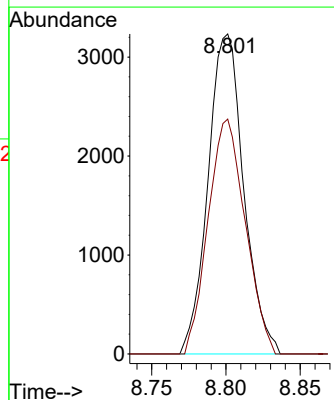
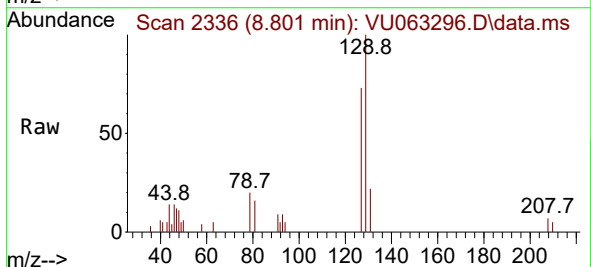
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-01

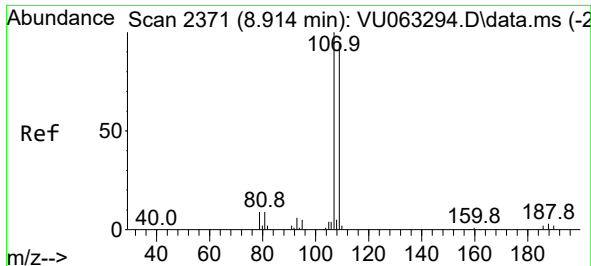
Tgt Ion:	43	Resp:	15136
Ion	Ratio	Lower	Upper
43	100		
58	58.0	46.6	69.8
57	24.8	15.8	23.6#
100	11.2	9.0	13.4



#49
Dibromochloromethane
Concen: 2.51 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. 0.003 min
Lab File: VU063296.D
Acq: 17 Mar 2025 16:52

Tgt Ion:	129	Resp:	5415
Ion	Ratio	Lower	Upper
129	100		
127	73.4	54.0	100.4

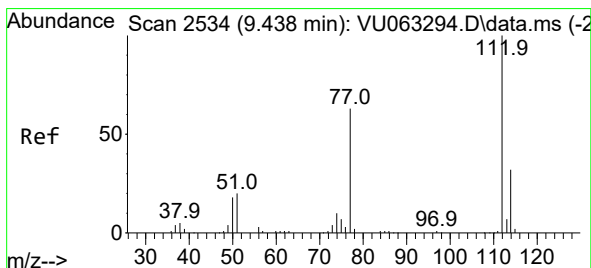
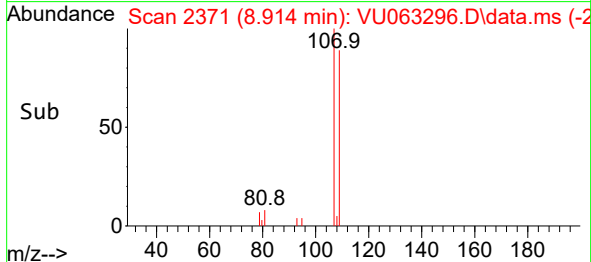
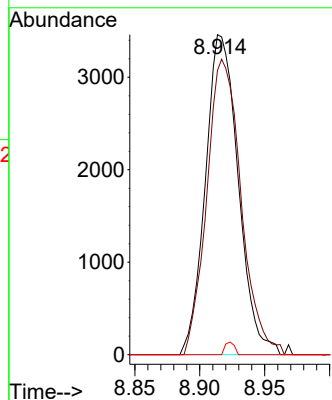
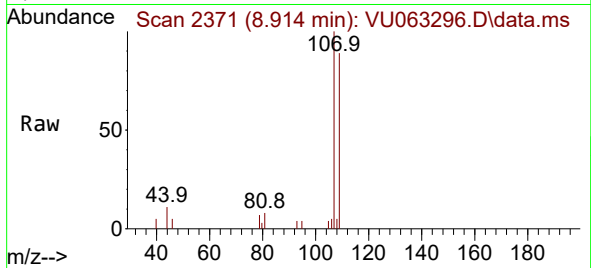




#50
1,2-Dibromoethane
Concen: 2.62 ug/L
RT: 8.914 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063296.D
Acq: 17 Mar 2025 16:52

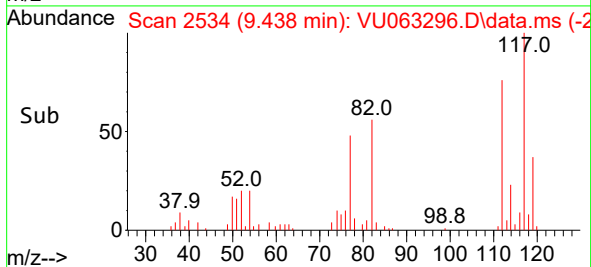
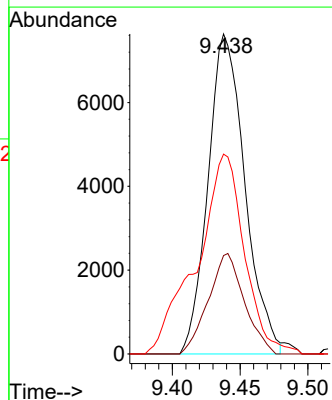
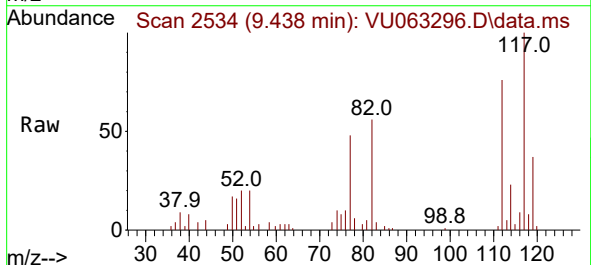
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-01

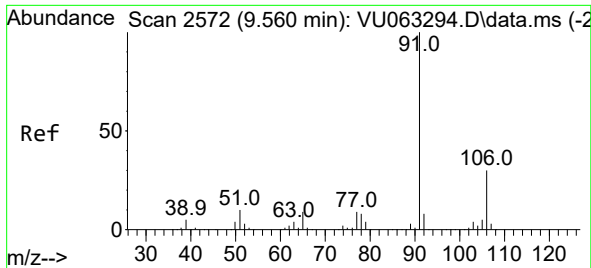
Tgt Ion:107 Resp: 6098
Ion Ratio Lower Upper
107 100
109 88.8 65.2 121.0
188 0.0 2.5 3.7#



#51
Chlorobenzene
Concen: 2.65 ug/L
RT: 9.438 min Scan# 2534
Delta R.T. 0.000 min
Lab File: VU063296.D
Acq: 17 Mar 2025 16:52

Tgt Ion:112 Resp: 14442
Ion Ratio Lower Upper
112 100
114 30.7 22.3 41.5
77 62.4 48.7 73.1

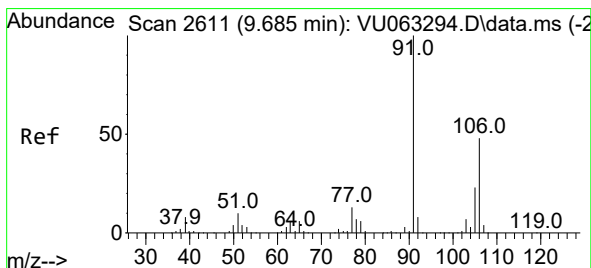
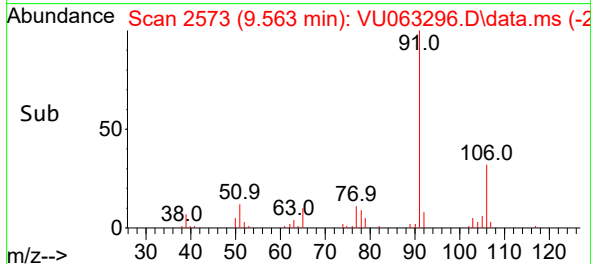
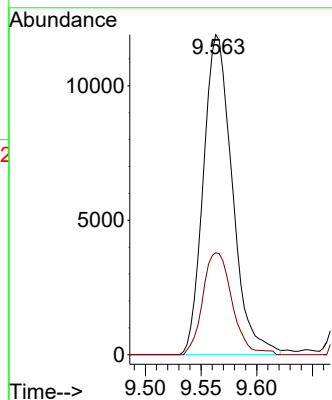
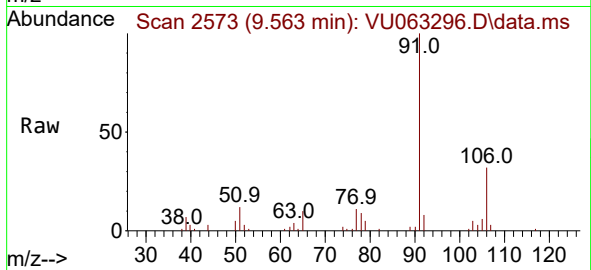




#52
Ethylbenzene
Concen: 2.37 ug/L
RT: 9.563 min Scan# 21499
Delta R.T. 0.003 min
Lab File: VU063296.D
Acq: 17 Mar 2025 16:52

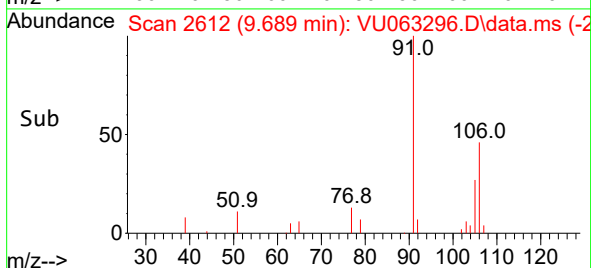
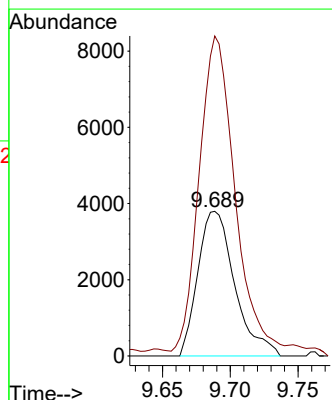
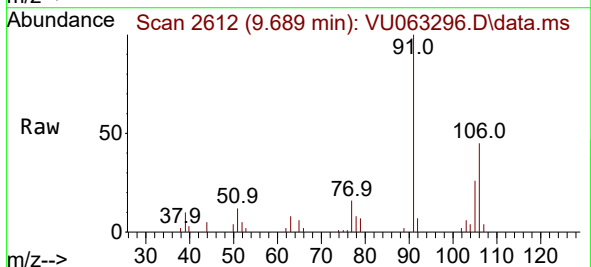
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-01

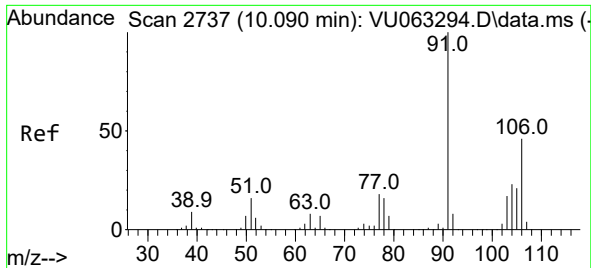
Tgt Ion: 91 Resp: 21499
Ion Ratio Lower Upper
91 100
106 35.2 21.5 39.9



#53
m,p-Xylene
Concen: 2.14 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.003 min
Lab File: VU063296.D
Acq: 17 Mar 2025 16:52

Tgt Ion: 106 Resp: 7177
Ion Ratio Lower Upper
106 100
91 221.3 147.3 273.6

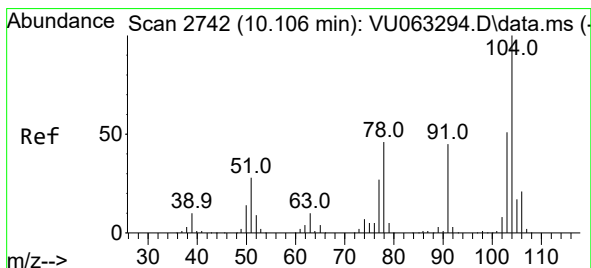
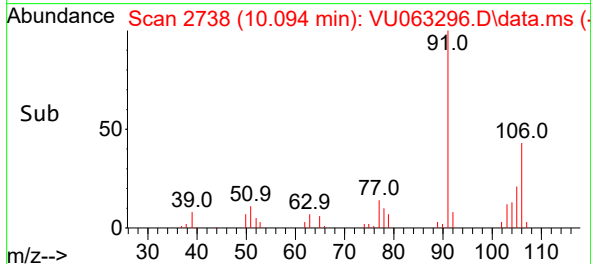
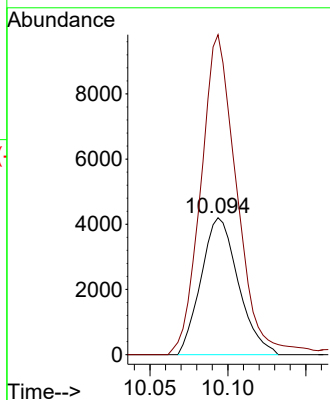
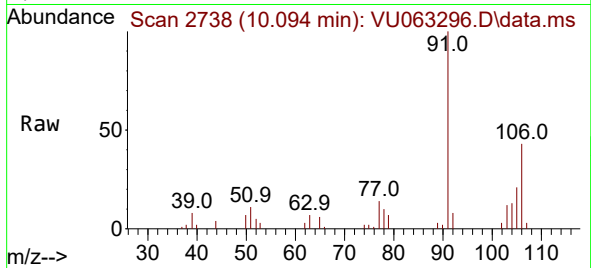




#54
o-Xylene
Concen: 2.14 ug/L
RT: 10.094 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063296.D
Acq: 17 Mar 2025 16:52

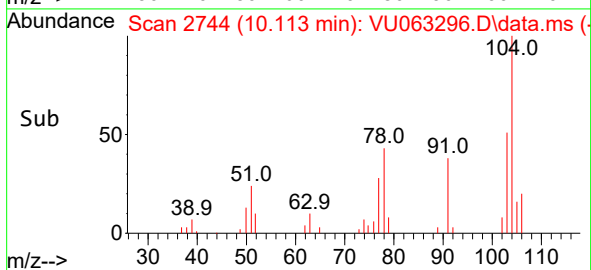
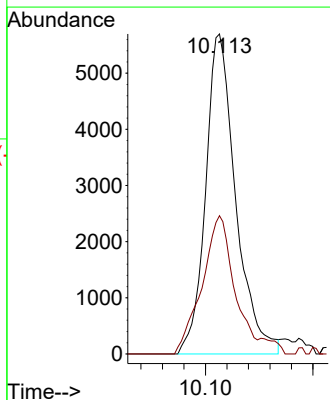
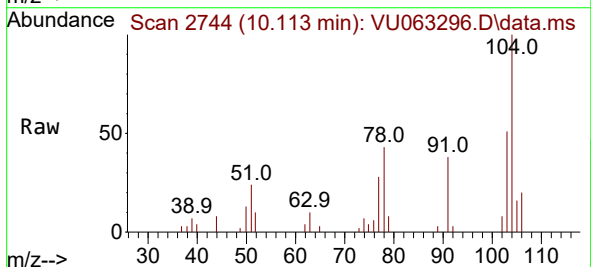
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-01

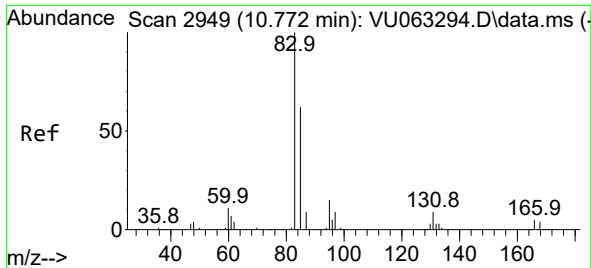
Tgt Ion:106 Resp: 6980
Ion Ratio Lower Upper
106 100
91 233.6 156.7 291.1



#55
Styrene
Concen: 2.06 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.007 min
Lab File: VU063296.D
Acq: 17 Mar 2025 16:52

Tgt Ion:104 Resp: 11082
Ion Ratio Lower Upper
104 100
78 43.2 32.4 60.2

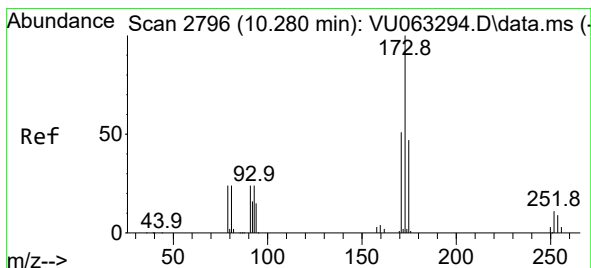
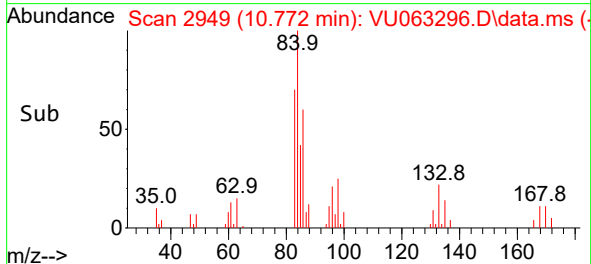
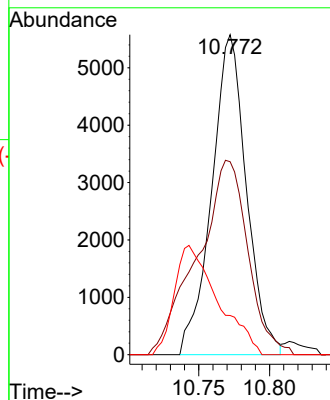
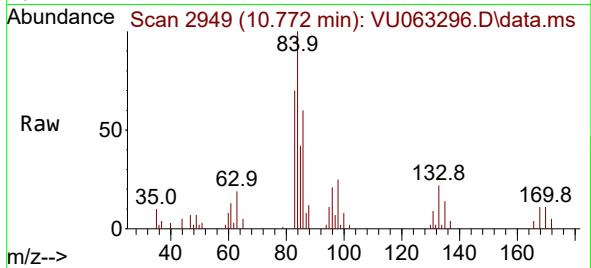




#57
1,1,2,2-Tetrachloroethane
Concen: 2.45 ug/L
RT: 10.772 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU063296.D
Acq: 17 Mar 2025 16:52

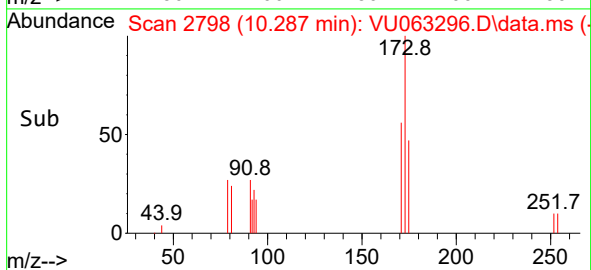
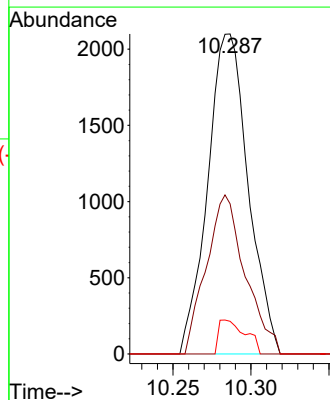
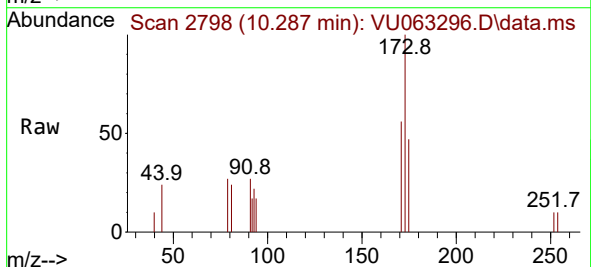
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT1-2025-01

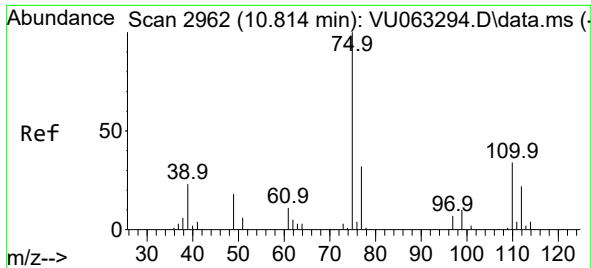
Tgt Ion: 83 Resp: 9482
Ion Ratio Lower Upper
83 100
85 60.3 45.6 84.8
131 14.5 7.1 10.7#



#59
Bromoform
Concen: 2.61 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. 0.007 min
Lab File: VU063296.D
Acq: 17 Mar 2025 16:52

Tgt Ion:173 Resp: 3794
Ion Ratio Lower Upper
173 100
175 47.7 38.6 57.8
254 5.6 7.8 11.6#

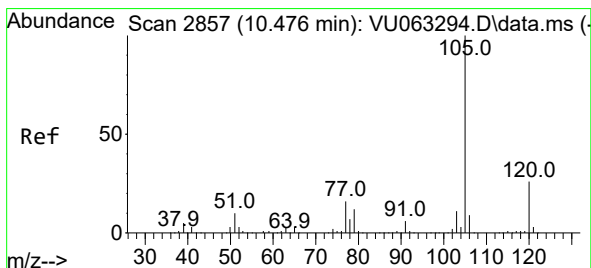
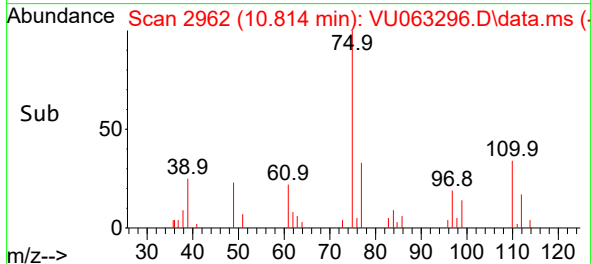
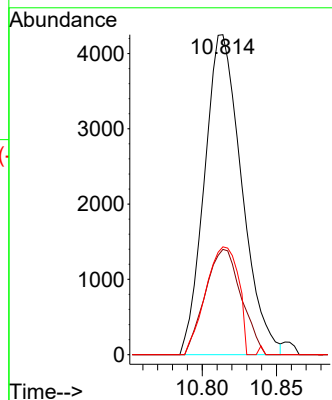
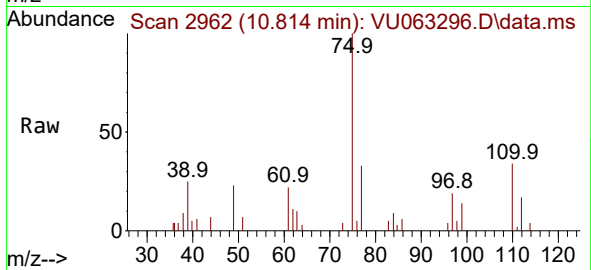




#60
1,2,3-Trichloropropane
Concen: 2.90 ug/L
RT: 10.814 min Scan# 2962
Delta R.T. 0.000 min
Lab File: VU063296.D
Acq: 17 Mar 2025 16:52

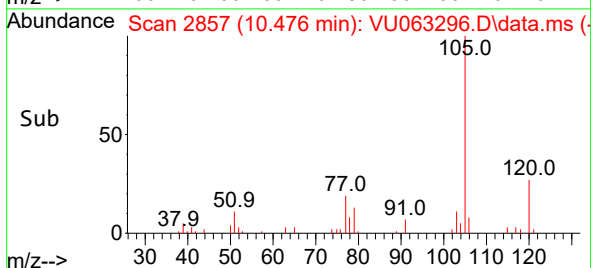
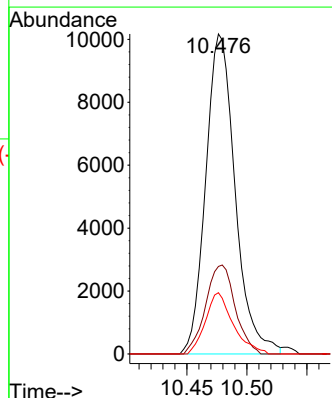
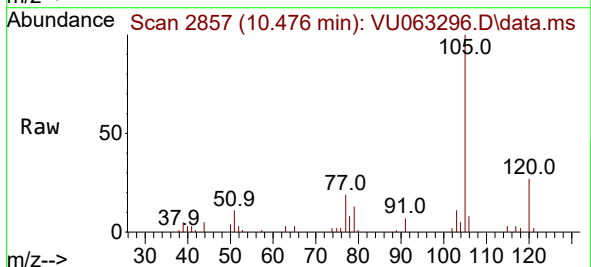
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-01

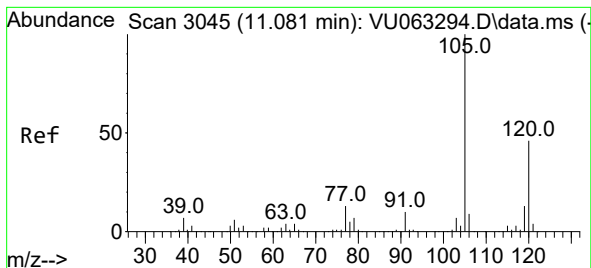
Tgt Ion:	75	Resp:	7405
Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.9	38.9
110	29.5	27.8	41.8



#61
Isopropylbenzene
Concen: 2.40 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. 0.000 min
Lab File: VU063296.D
Acq: 17 Mar 2025 16:52

Tgt Ion:	105	Resp:	17352
Ion	Ratio	Lower	Upper
105	100		
120	27.8	20.6	31.0
77	18.0	13.0	19.4





#62

1,3,5-Trimethylbenzene

Concen: 2.35 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU063296.D

Acq: 17 Mar 2025 16:52

Instrument :

MSVOA_U

ClientSampleId :

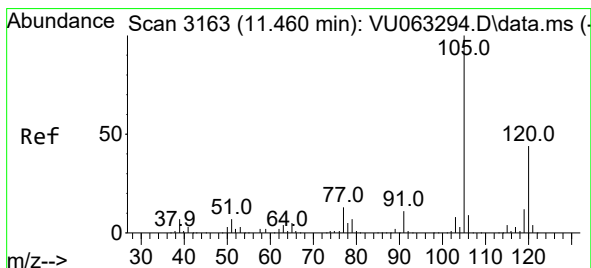
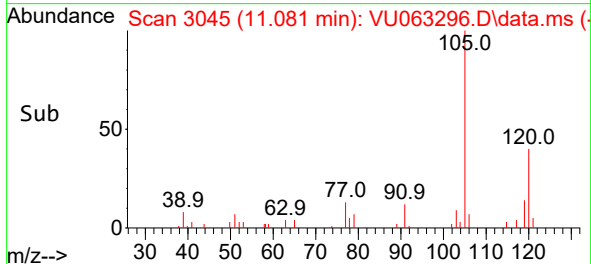
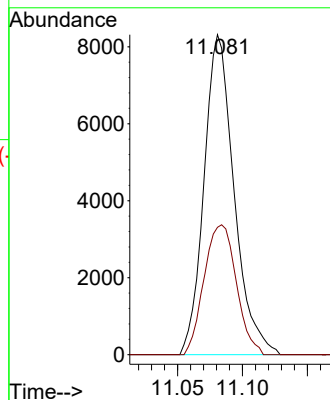
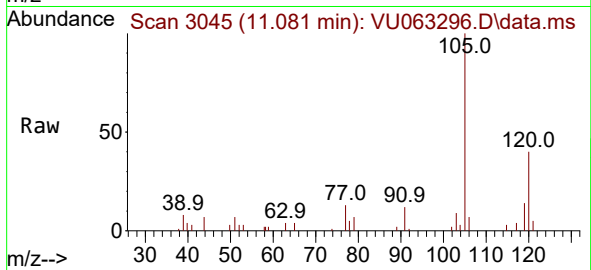
MDL-WATER-QT1-2025-01

Tgt Ion:105 Resp: 13376

Ion Ratio Lower Upper

105 100

120 43.5 37.9 56.9



#63

1,2,4-Trimethylbenzene

Concen: 2.16 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VU063296.D

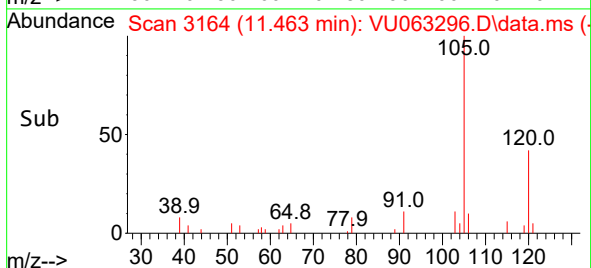
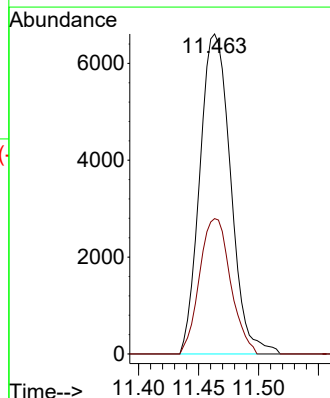
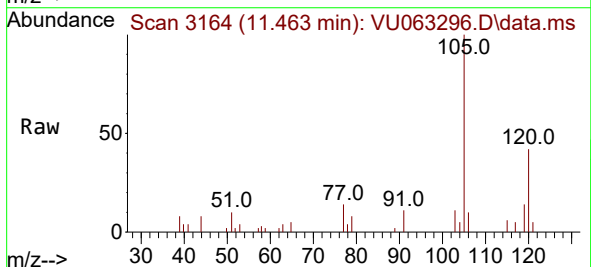
Acq: 17 Mar 2025 16:52

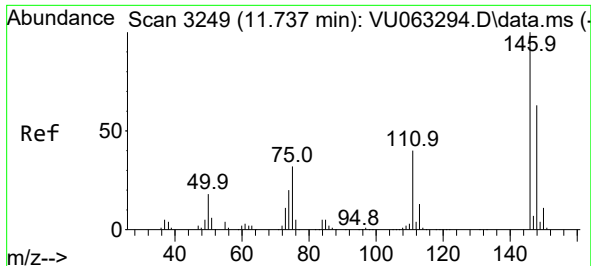
Tgt Ion:105 Resp: 11807

Ion Ratio Lower Upper

105 100

120 42.5 35.4 53.2

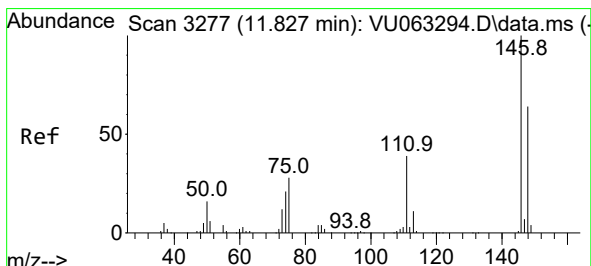
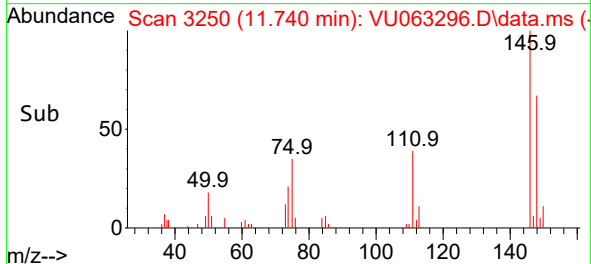
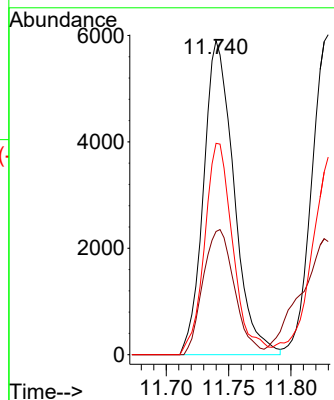
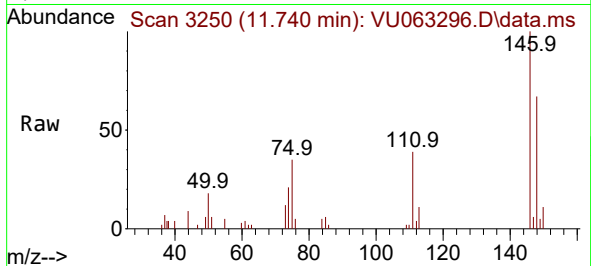




#64
1,3-Dichlorobenzene
Concen: 2.93 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU063296.D
Acq: 17 Mar 2025 16:52

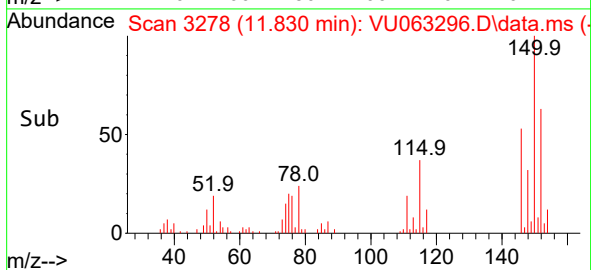
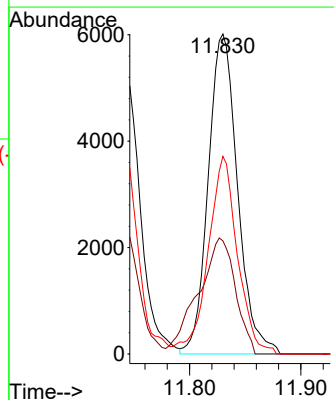
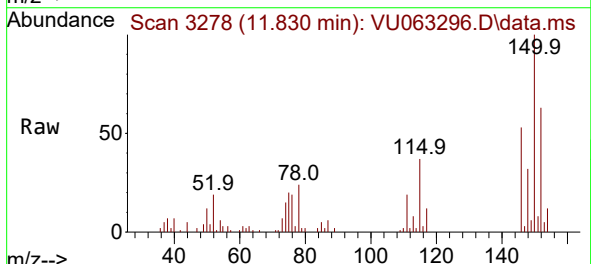
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-01

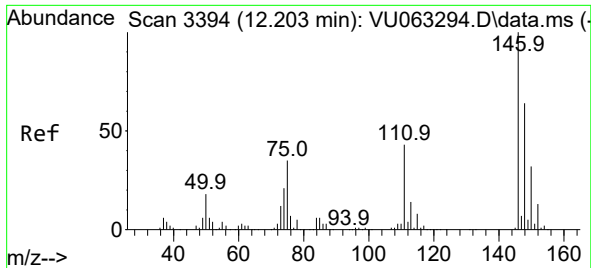
Tgt Ion:146 Resp: 9994
Ion Ratio Lower Upper
146 100
111 39.2 29.2 54.2
148 67.3 45.8 85.2



#65
1,4-Dichlorobenzene
Concen: 3.18 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.003 min
Lab File: VU063296.D
Acq: 17 Mar 2025 16:52

Tgt Ion:146 Resp: 11012
Ion Ratio Lower Upper
146 100
111 35.4 27.5 51.1
148 61.8 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 2.98 ug/L

RT: 12.206 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU063296.D

Acq: 17 Mar 2025 16:52

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2025-01

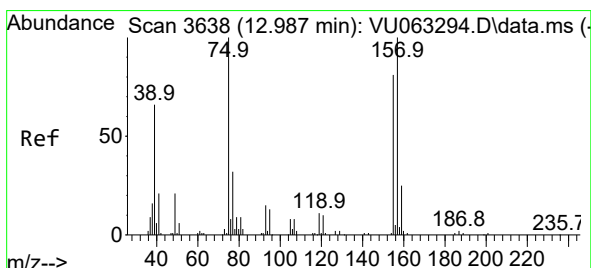
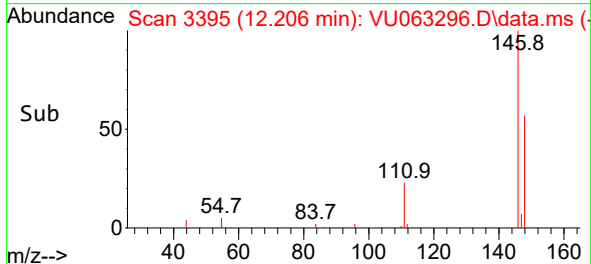
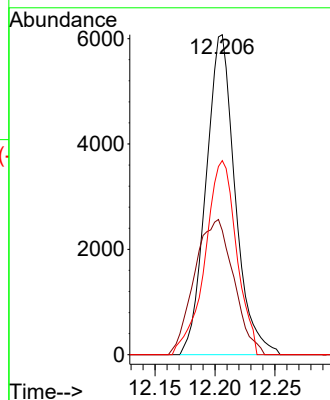
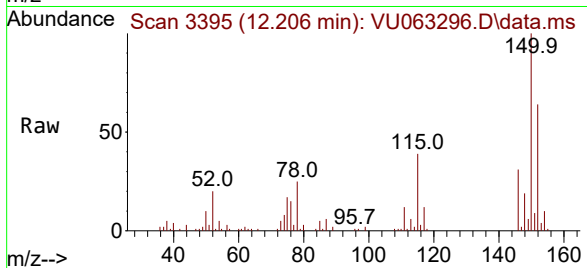
Tgt Ion:146 Resp: 10242

Ion Ratio Lower Upper

146 100

111 42.7 34.7 52.1

148 60.7 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 2.51 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.007 min

Lab File: VU063296.D

Acq: 17 Mar 2025 16:52

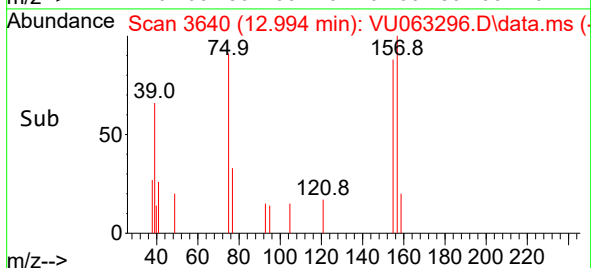
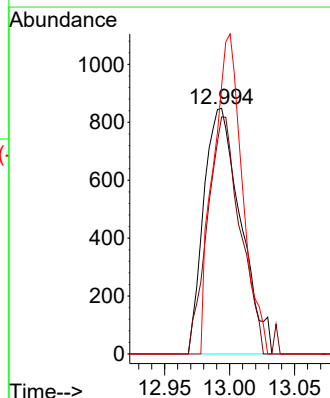
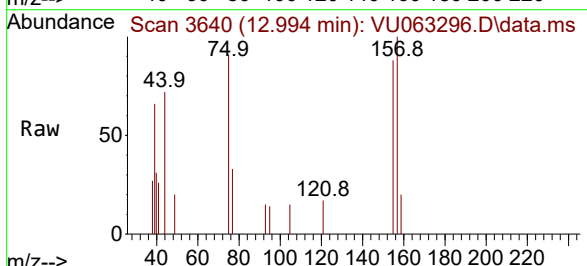
Tgt Ion: 75 Resp: 1672

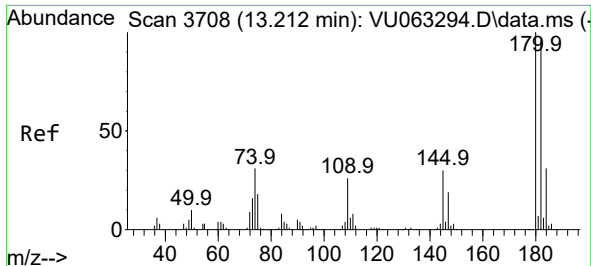
Ion Ratio Lower Upper

75 100

155 96.6 68.4 102.6

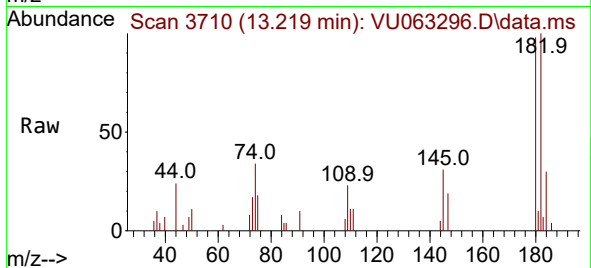
157 109.3 84.2 126.4



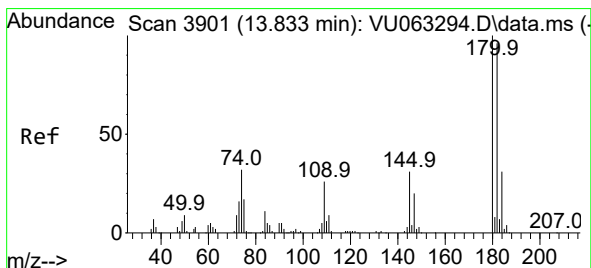
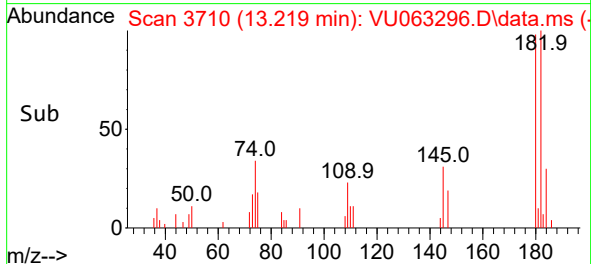
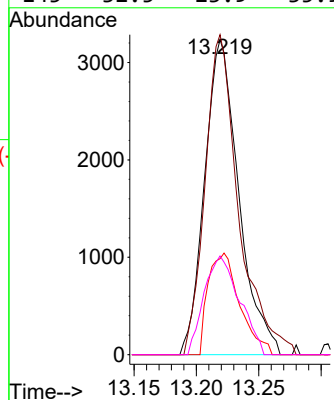


#69
1,3,5-Trichlorobenzene
Concen: 2.68 ug/L
RT: 13.219 min Scan# 31
Delta R.T. 0.007 min
Lab File: VU063296.D
Acq: 17 Mar 2025 16:52

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-01

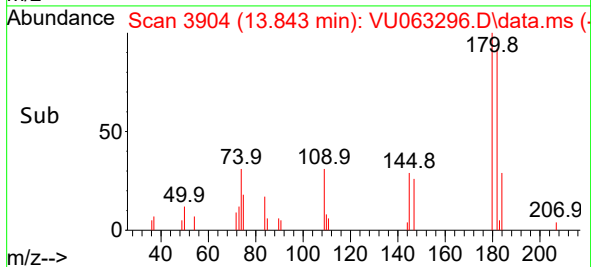
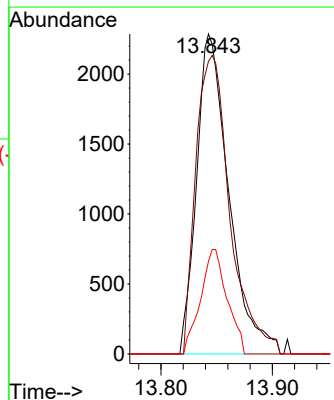
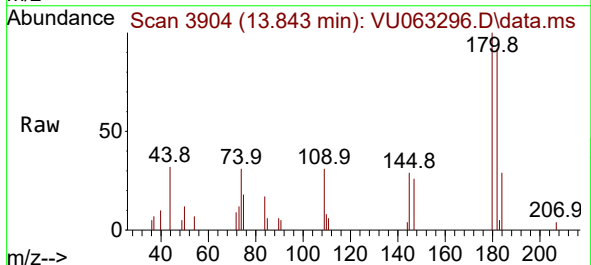


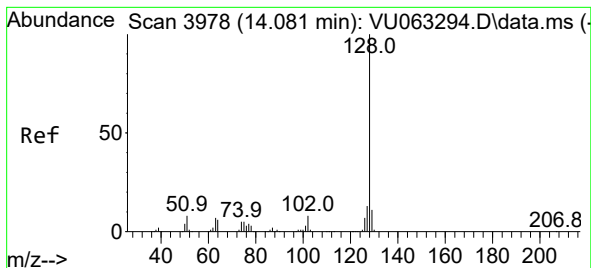
Tgt Ion:180 Resp: 6149
Ion Ratio Lower Upper
180 100
182 99.8 77.2 115.8
184 29.9 24.3 36.5
145 32.5 23.9 35.9



#70
1,2,4-trichlorobenzene
Concen: 2.60 ug/L
RT: 13.843 min Scan# 3904
Delta R.T. 0.010 min
Lab File: VU063296.D
Acq: 17 Mar 2025 16:52

Tgt Ion:180 Resp: 4603
Ion Ratio Lower Upper
180 100
182 98.0 75.8 113.8
145 26.9 24.0 36.0





#71

Naphthalene

Concen: 2.72 ug/L

RT: 14.097 min Scan# 3978

Delta R.T. 0.016 min

Lab File: VU063296.D

Acq: 17 Mar 2025 16:52

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2025-01

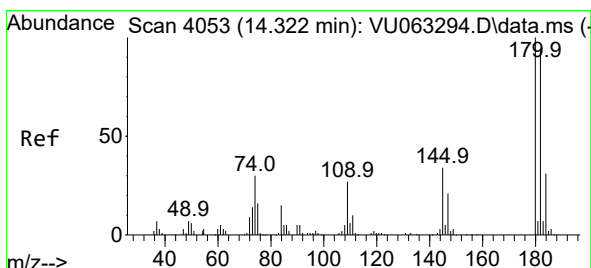
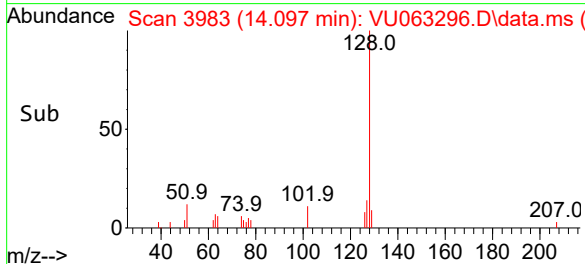
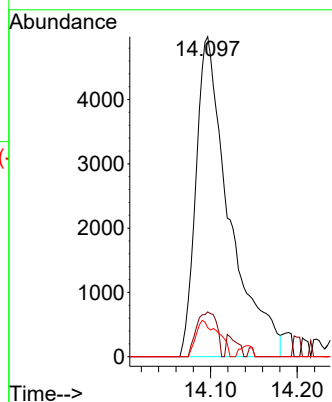
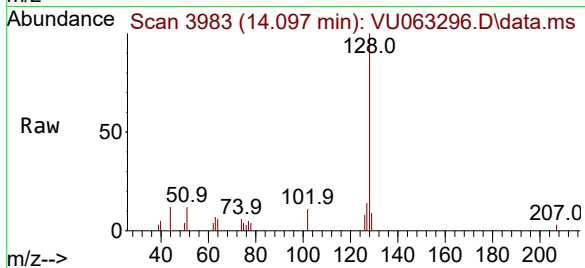
Tgt Ion:128 Resp: 13252

Ion Ratio Lower Upper

128 100

127 8.5 10.2 15.4#

129 4.6 8.6 12.8#



#72

1,2,3-Trichlorobenzene

Concen: 2.69 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.003 min

Lab File: VU063296.D

Acq: 17 Mar 2025 16:52

Tgt Ion:180 Resp: 4665

Ion Ratio Lower Upper

180 100

182 103.8 77.3 115.9

145 26.0 25.7 38.5

