

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031325\
 Data File : VU063280.D
 Acq On : 13 Mar 2025 12:46
 Operator : MD/SY
 Sample : Q1546-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Mar 14 10:26:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022125WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 14 10:17:41 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	184253	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	181884	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	75614	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	66478	4.21	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.20%
7) Chloroethane-d5	1.904	69	62669	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.80%
11) 1,1-Dichloroethene-d2	2.557	65	29853	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.60%
20) 2-Butanone-d5	4.611	46	182633	55.11	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.22%
24) Chloroform-d	5.049	84	141147	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	5.692	65	73961	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
32) Benzene-d6	5.717	84	280104	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.679	67	91910	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	7.888	98	233960	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
43) trans-1,3-Dichloroprop...	8.174	79	27213	4.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.80%
46) 2-Hexanone-d5	8.624	63	131609	51.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.94%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	73351	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.60%
66) 1,2-Dichlorobenzene-d4	12.187	152	73236	4.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.80%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	4492	0.27	ug/L	97
3) Chloromethane	1.518	50	5743	0.30	ug/L	95
5) Vinyl chloride	1.599	62	5434	0.29	ug/L	85
6) Bromomethane	1.849	94	2984	0.27	ug/L	97
8) Chloroethane	1.923	64	3234	0.28	ug/L	96
9) Trichlorofluoromethane	2.129	101	5505	0.25	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	4478	0.33	ug/L #	81
12) 1,1-Dichloroethene	2.570	96	3570	0.27	ug/L #	1
13) Acetone	2.621	43	6978	3.31	ug/L	97
14) Carbon disulfide	2.782	76	12099	0.28	ug/L	100
15) Methyl Acetate	2.959	43	1223	0.22	ug/L #	82
16) Methylene chloride	3.036	84	5373	0.33	ug/L	96
17) Methyl tert-butyl Ether	3.354	73	7853	0.23	ug/L	98
18) trans-1,2-Dichloroethene	3.348	96	3377	0.24	ug/L	89
19) 1,1-Dichloroethane	3.862	63	6680	0.24	ug/L	96
21) 2-Butanone	4.718	43	4582	1.30	ug/L	77
22) cis-1,2-Dichloroethene	4.656	96	3657	0.23	ug/L	85
23) Bromochloromethane	4.972	128	1840	0.26	ug/L #	92
25) Chloroform	5.078	83	7733	0.27	ug/L	100

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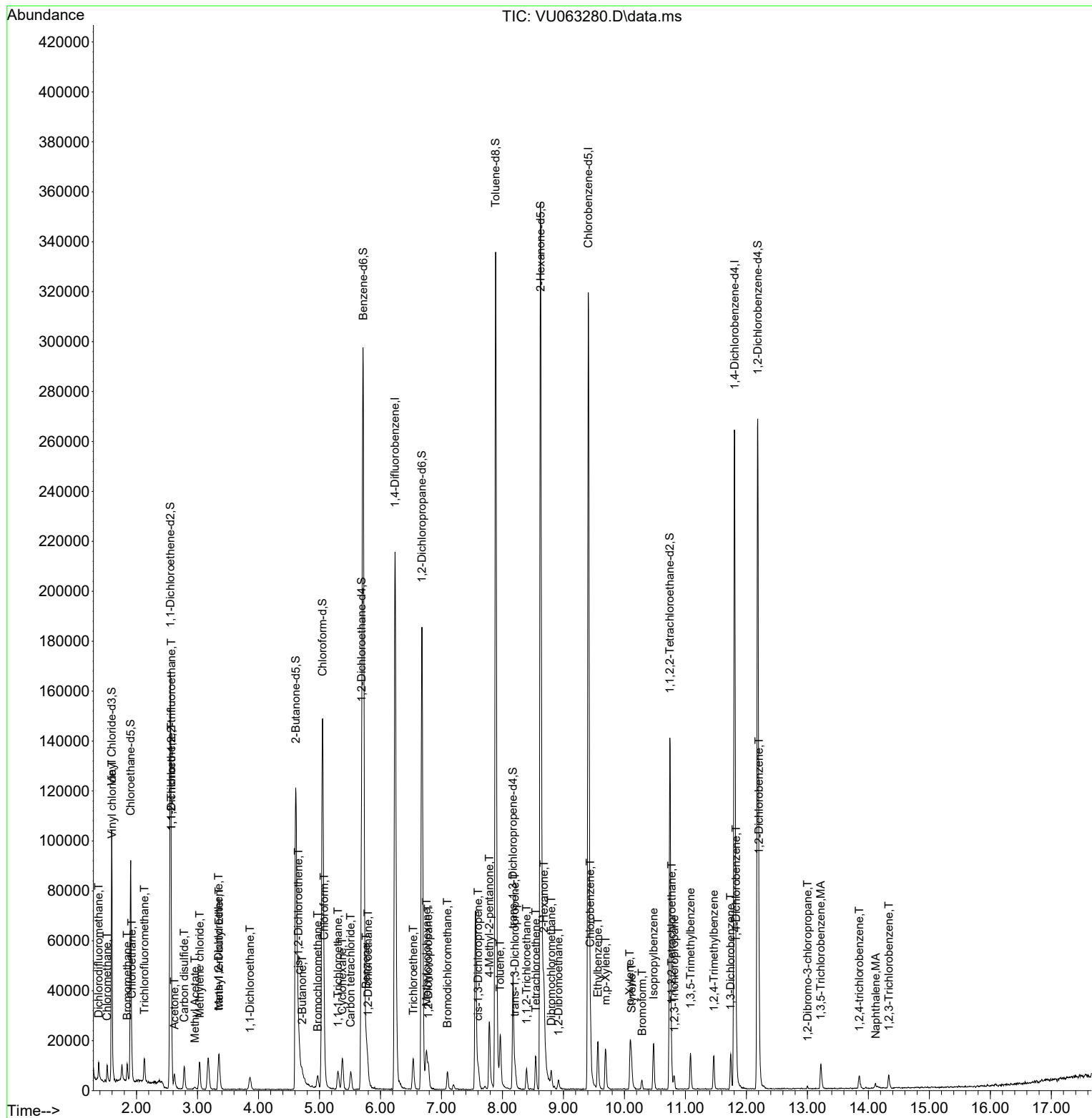
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.795	62	4339	0.24	ug/L #	89
29) 1,1,1-Trichloroethane	5.306	97	5466	0.24	ug/L	96
30) Cyclohexane	5.373	56	5580	0.25	ug/L	96
31) Carbon tetrachloride	5.512	117	4719	0.24	ug/L	93
33) Benzene	5.766	78	14977	0.23	ug/L	100
34) Trichloroethene	6.541	95	4103	0.26	ug/L	95
35) Methylcyclohexane	6.756	83	5907	0.26	ug/L #	85
37) 1,2-Dichloropropane	6.785	63	4115	0.24	ug/L #	92
38) Bromodichloromethane	7.097	83	5143	0.25	ug/L #	96
39) cis-1,3-Dichloropropene	7.602	75	4739	0.20	ug/L	92
40) 4-Methyl-2-pentanone	7.785	43	19629	2.22	ug/L #	86
42) Toluene	7.962	91	14937	0.23	ug/L	93
44) trans-1,3-Dichloropropene	8.203	75	4733	0.24	ug/L	96
45) 1,1,2-Trichloroethane	8.396	97	2830	0.23	ug/L	92
47) Tetrachloroethene	8.547	164	2948	0.25	ug/L	90
48) 2-Hexanone	8.679	43	20858	3.38	ug/L	98
49) Dibromochloromethane	8.801	129	3125	0.24	ug/L	100
50) 1,2-Dibromoethane	8.920	107	2562	0.23	ug/L #	98
51) Chlorobenzene	9.441	112	10226	0.25	ug/L	98
52) Ethylbenzene	9.563	91	13966	0.21	ug/L	97
53) m,p-Xylene	9.692	106	5019	0.20	ug/L	92
54) o-Xylene	10.090	106	4809	0.20	ug/L	79
55) Styrene	10.119	104	7270	0.18	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.775	83	3665	0.24	ug/L #	90
59) Bromoform	10.290	173	1776	0.26	ug/L #	88
60) Isopropylbenzene	10.479	105	12779	0.23	ug/L	97
61) 1,2,3-Trichloropropane	10.820	75	2606	0.28	ug/L	91
62) 1,3,5-Trimethylbenzene	11.084	105	8406	0.19	ug/L	94
63) 1,2,4-Trimethylbenzene	11.466	105	7808	0.19	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	6226	0.24	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	6998	0.27	ug/L	95
67) 1,2-Dichlorobenzene	12.206	146	6308	0.26	ug/L #	89
68) 1,2-Dibromo-3-chloropr...	13.003	75	305	0.18	ug/L #	67
69) 1,3,5-Trichlorobenzene	13.219	180	4380	0.24	ug/L	94
70) 1,2,4-trichlorobenzene	13.852	180	2484	0.19	ug/L	98
71) Naphthalene	14.119	128	3268	0.19	ug/L #	78
72) 1,2,3-Trichlorobenzene	14.338	180	2412	0.22	ug/L #	93

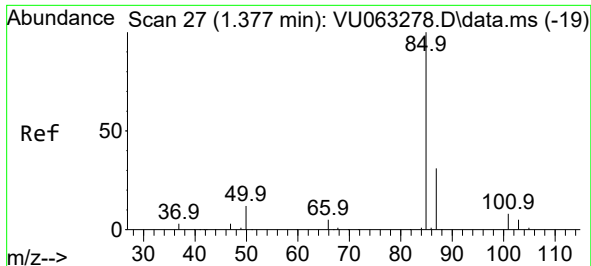
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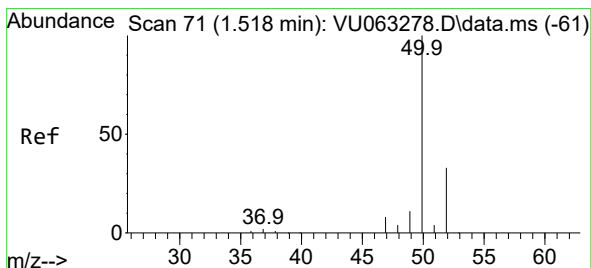
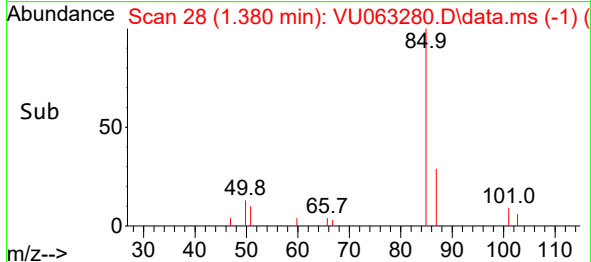
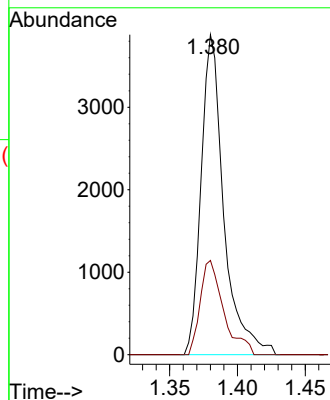
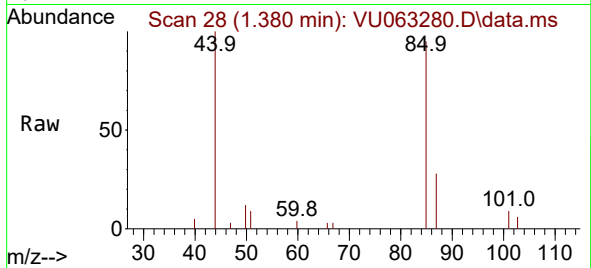




#2
 Dichlorodifluoromethane
 Concen: 0.27 ug/L
 RT: 1.380 min Scan# 27
 Delta R.T. 0.003 min
 Lab File: VU063280.D
 Acq: 13 Mar 2025 12:46

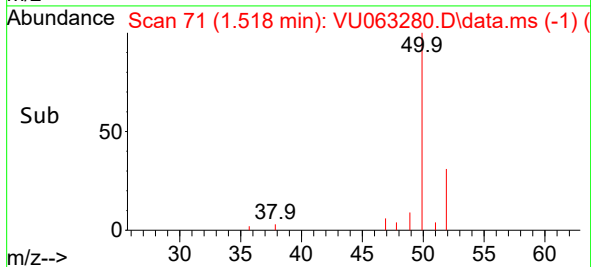
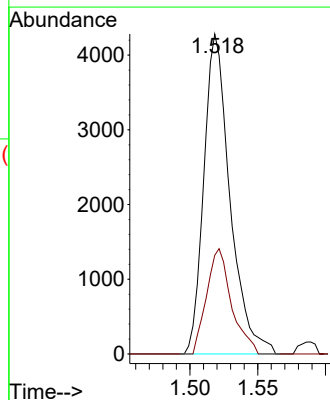
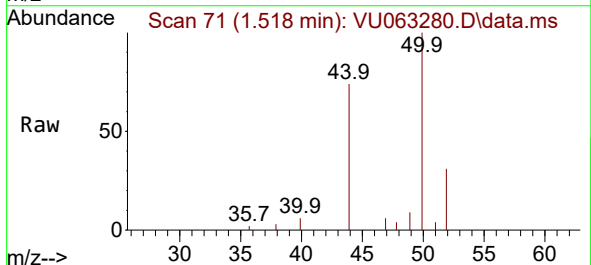
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT1-2025-01

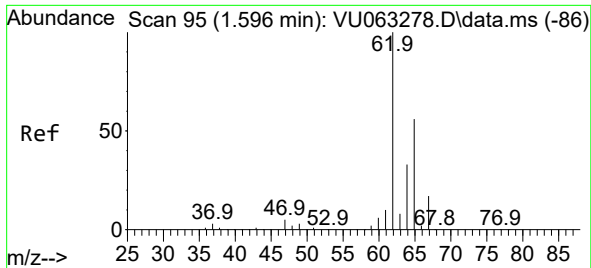
Tgt Ion: 85 Resp: 4492
 Ion Ratio Lower Upper
 85 100
 87 30.5 25.5 38.3



#3
 Chloromethane
 Concen: 0.30 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU063280.D
 Acq: 13 Mar 2025 12:46

Tgt Ion: 50 Resp: 5743
 Ion Ratio Lower Upper
 50 100
 52 30.9 23.5 43.7

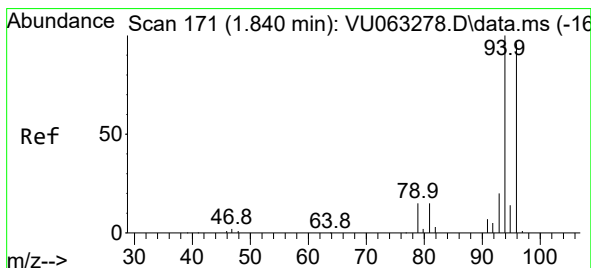
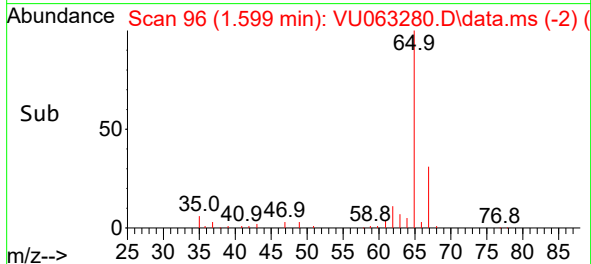
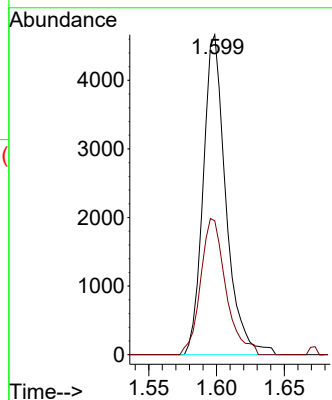
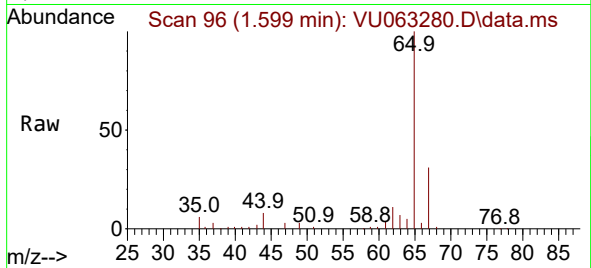




#5
 Vinyl chloride
 Concen: 0.29 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. 0.003 min
 Lab File: VU063280.D
 Acq: 13 Mar 2025 12:46

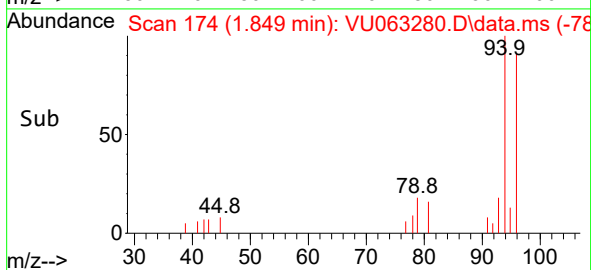
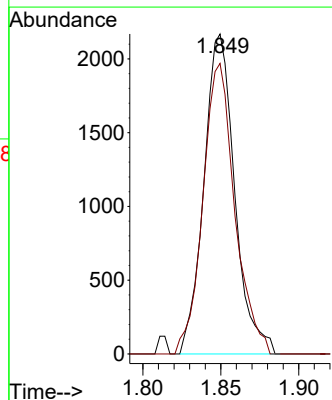
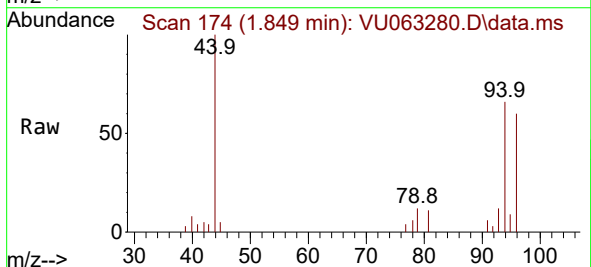
Instrument :
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 ClientSampleId :
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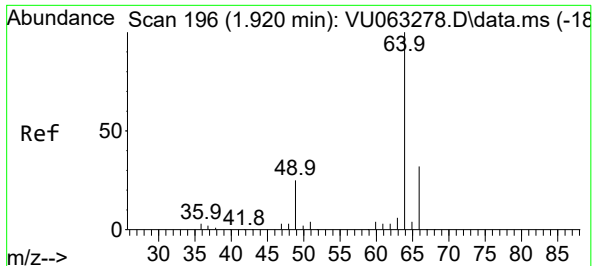
Tgt Ion: 62 Resp: 5434
 Ion Ratio Lower Upper
 62 100
 64 41.8 23.3 43.3



#6
 Bromomethane
 Concen: 0.27 ug/L
 RT: 1.849 min Scan# 174
 Delta R.T. 0.009 min
 Lab File: VU063280.D
 Acq: 13 Mar 2025 12:46

Tgt Ion: 94 Resp: 2984
 Ion Ratio Lower Upper
 94 100
 96 90.8 65.6 121.8

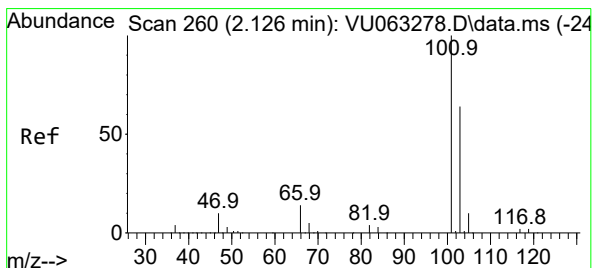
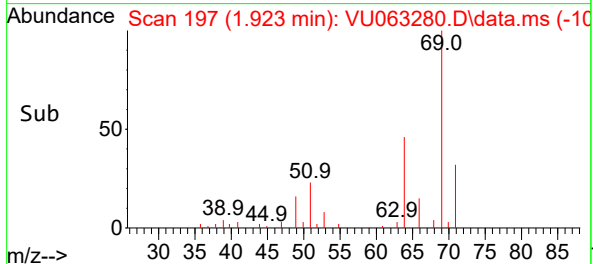
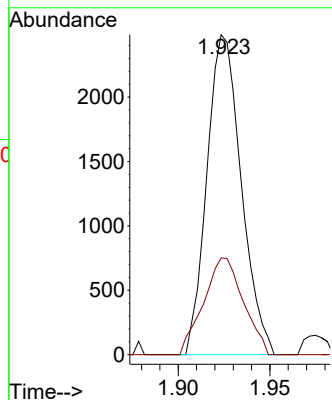
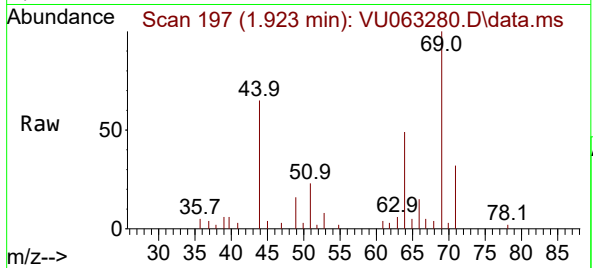




#8
Chloroethane
Concen: 0.28 ug/L
RT: 1.923 min Scan# 196
Delta R.T. 0.003 min
Lab File: VU063280.D
Acq: 13 Mar 2025 12:46

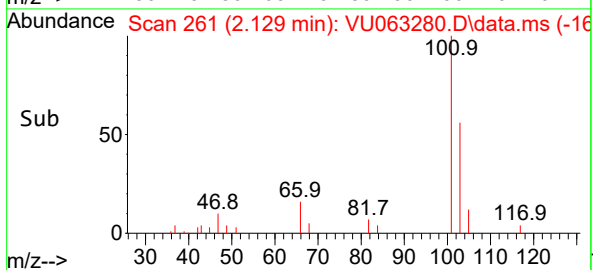
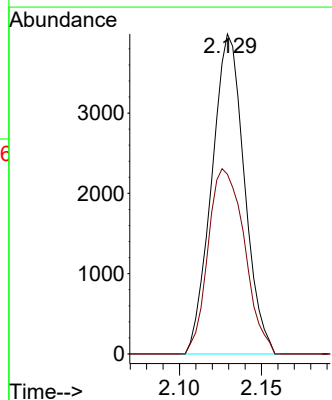
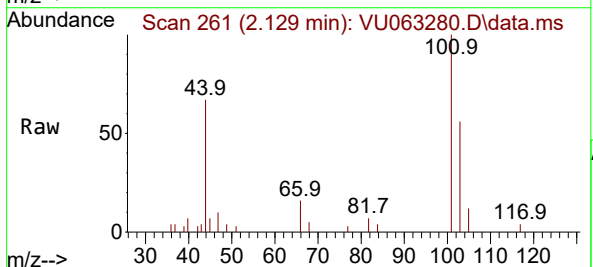
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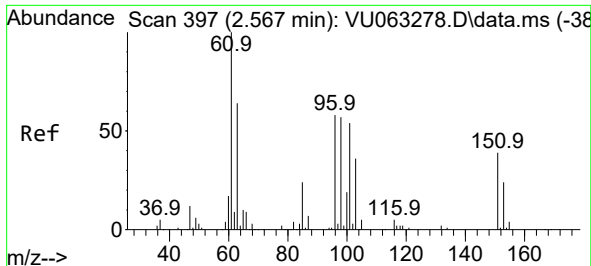
Tgt Ion: 64 Resp: 3234
Ion Ratio Lower Upper
64 100
66 30.2 22.7 42.3



#9
Trichlorofluoromethane
Concen: 0.25 ug/L
RT: 2.129 min Scan# 261
Delta R.T. 0.003 min
Lab File: VU063280.D
Acq: 13 Mar 2025 12:46

Tgt Ion:101 Resp: 5505
Ion Ratio Lower Upper
101 100
103 64.5 50.8 76.2

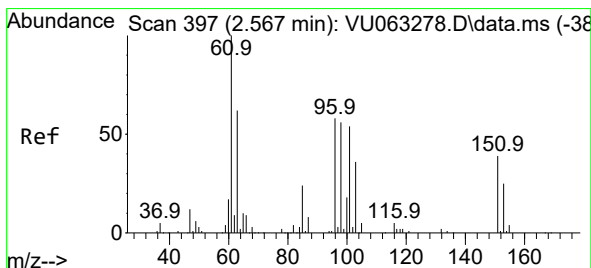
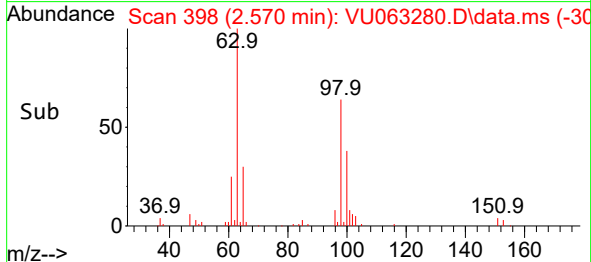
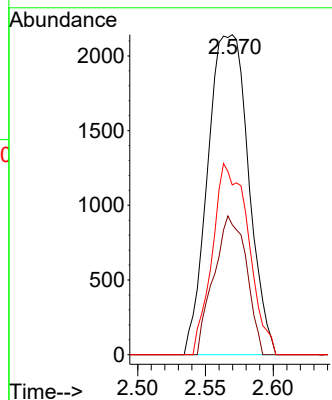
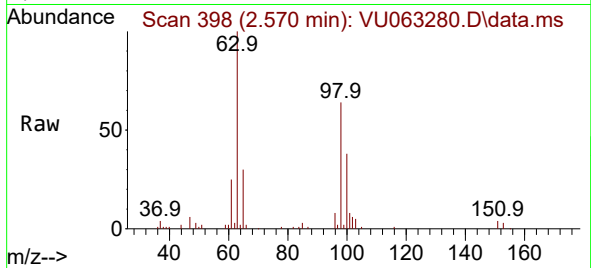




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.33 ug/L
RT: 2.570 min Scan# 398
Delta R.T. 0.003 min
Lab File: VU063280.D
Acq: 13 Mar 2025 12:46

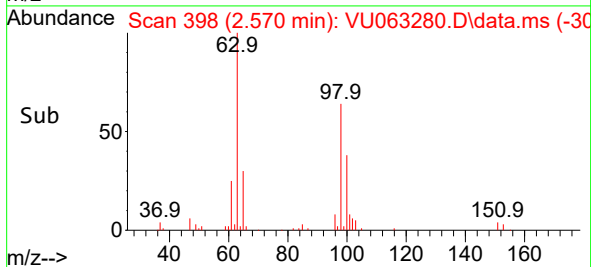
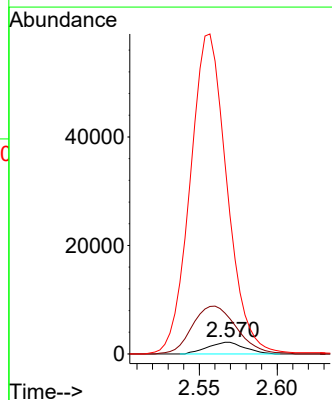
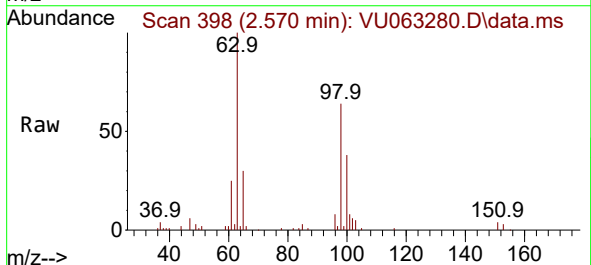
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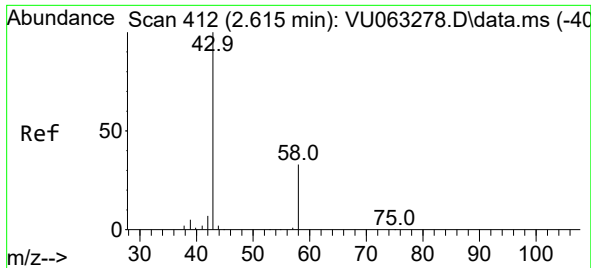
Tgt Ion:101 Resp: 4478
Ion Ratio Lower Upper
101 100
85 34.6 35.8 53.6#
151 52.8 56.4 84.6#



#12
1,1-Dichloroethene
Concen: 0.27 ug/L
RT: 2.570 min Scan# 398
Delta R.T. 0.003 min
Lab File: VU063280.D
Acq: 13 Mar 2025 12:46

Tgt Ion: 96 Resp: 3570
Ion Ratio Lower Upper
96 100
61 299.4 117.8 218.8#
63 1181.9 86.0 159.6#





#13

Acetone

Concen: 3.31 ug/L

RT: 2.621 min Scan# 412

Delta R.T. 0.006 min

Lab File: VU063280.D

Acq: 13 Mar 2025 12:46

Instrument :

MSVOA_U

ClientSampleId :

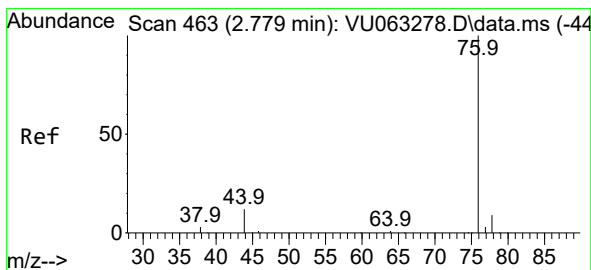
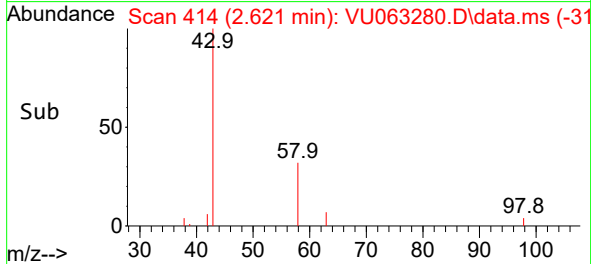
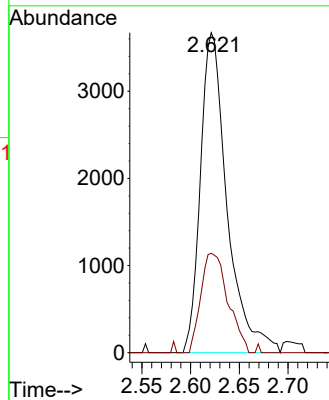
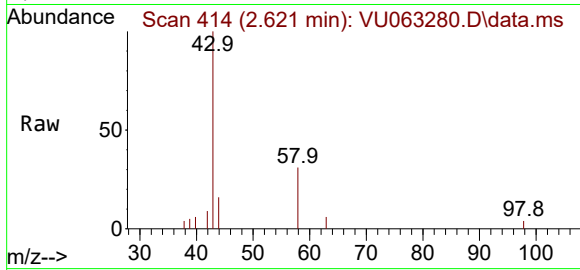
MDL-WATER-QT1-2025-01

Tgt Ion: 43 Resp: 6978

Ion Ratio Lower Upper

43 100

58 31.7 0.0 66.8



#14

Carbon disulfide

Concen: 0.28 ug/L

RT: 2.782 min Scan# 464

Delta R.T. 0.003 min

Lab File: VU063280.D

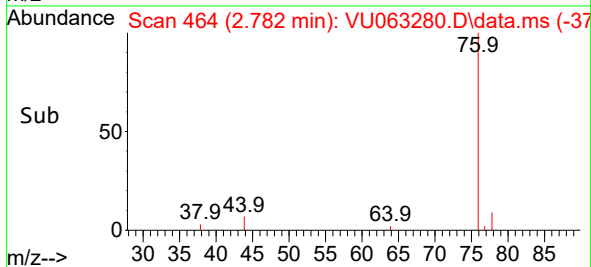
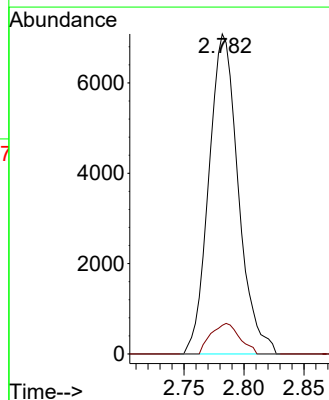
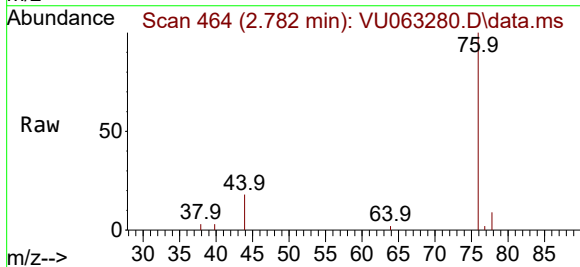
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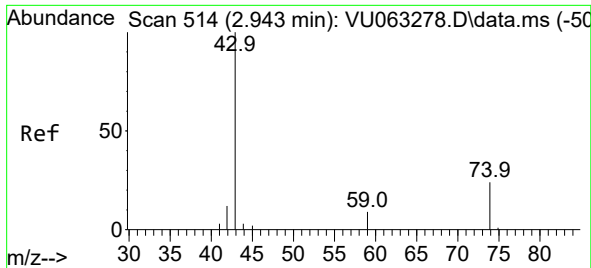
Tgt Ion: 76 Resp: 12099

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

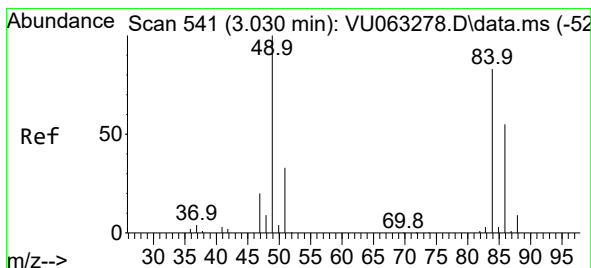
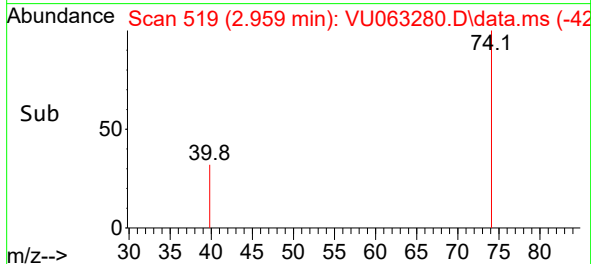
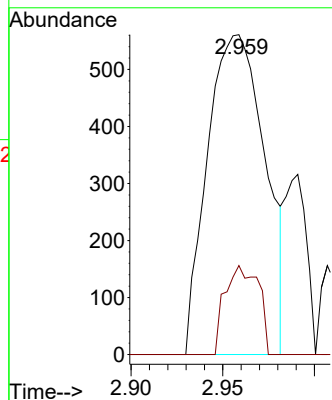
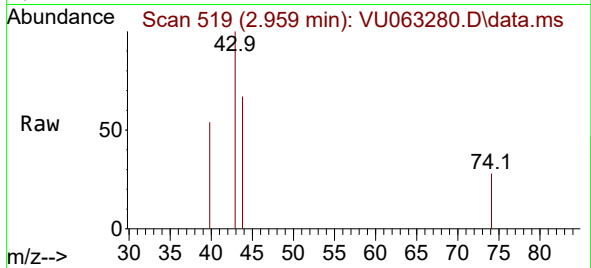




#15
Methyl Acetate
Concen: 0.22 ug/L
RT: 2.959 min Scan# 514
Delta R.T. 0.016 min
Lab File: VU063280.D
Acq: 13 Mar 2025 12:46

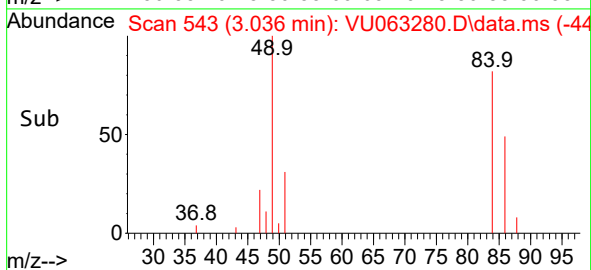
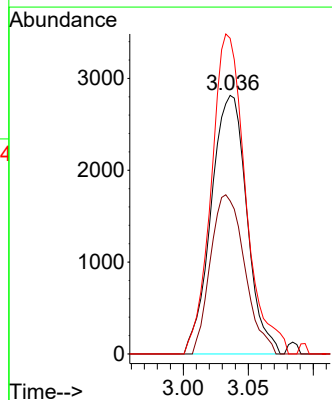
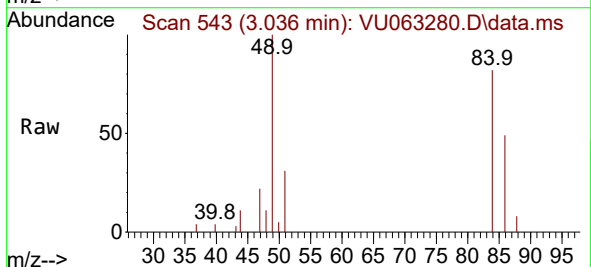
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-01

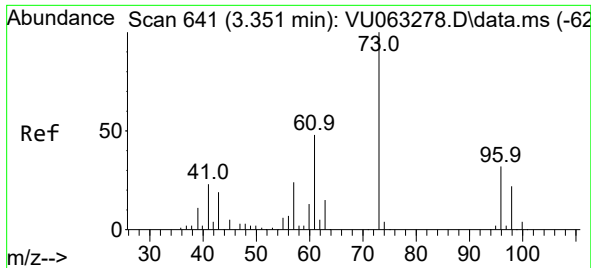
Tgt Ion: 43 Resp: 1223
Ion Ratio Lower Upper
43 100
74 16.2 20.2 30.2#



#16
Methylene chloride
Concen: 0.33 ug/L
RT: 3.036 min Scan# 543
Delta R.T. 0.006 min
Lab File: VU063280.D
Acq: 13 Mar 2025 12:46

Tgt Ion: 84 Resp: 5373
Ion Ratio Lower Upper
84 100
86 59.2 45.3 84.1
49 122.1 83.4 154.8

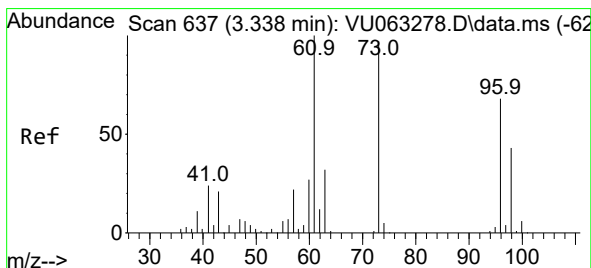
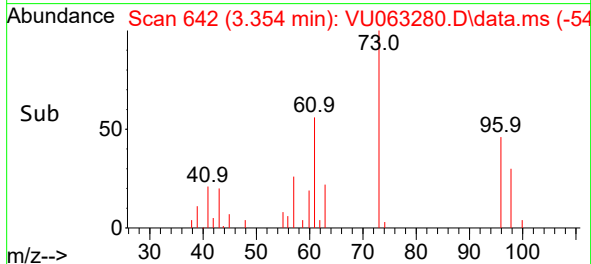
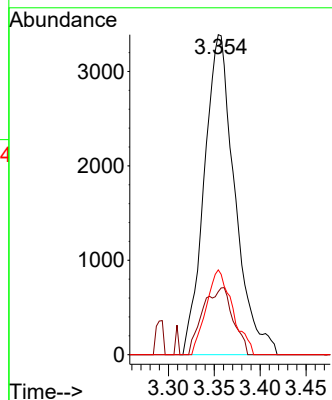
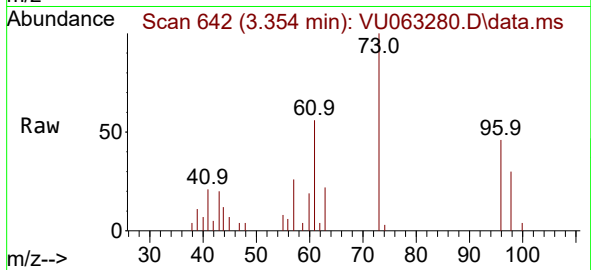




#17
Methyl tert-butyl Ether
Concen: 0.23 ug/L
RT: 3.354 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU063280.D
Acq: 13 Mar 2025 12:46

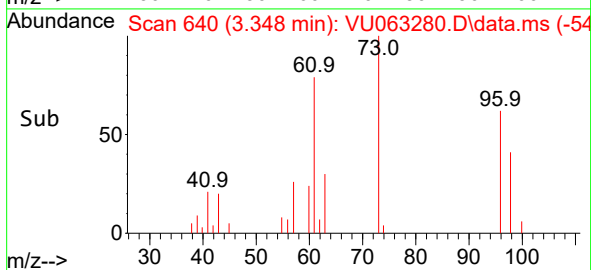
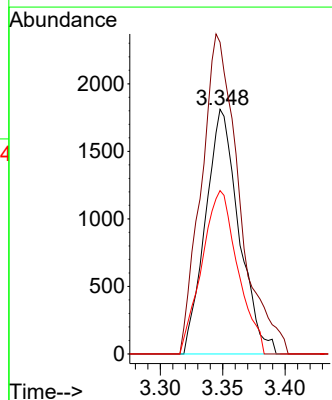
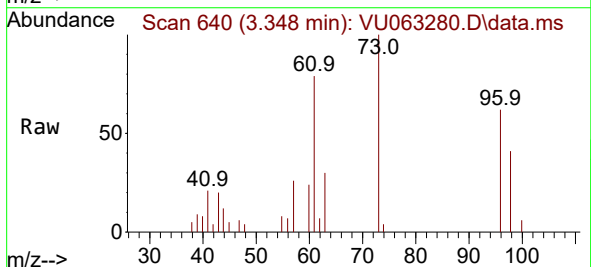
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-01

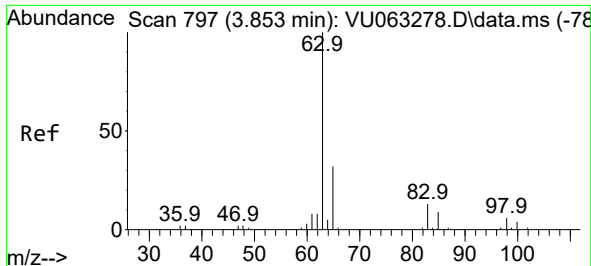
Tgt Ion: 73	Resp: 7853
Ion Ratio	Lower Upper
73 100	
43 20.8	15.7 23.5
57 22.8	17.6 26.4



#18
trans-1,2-Dichloroethene
Concen: 0.24 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.009 min
Lab File: VU063280.D
Acq: 13 Mar 2025 12:46

Tgt Ion: 96	Resp: 3377		
Ion Ratio	Lower	Upper	
96	100		
61	127.4	100.7	186.9
98	66.8	44.4	82.5

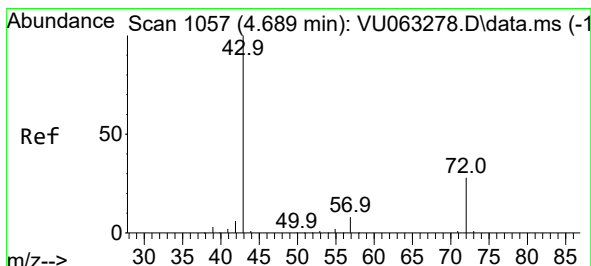
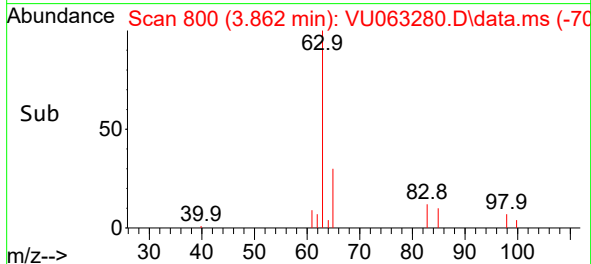
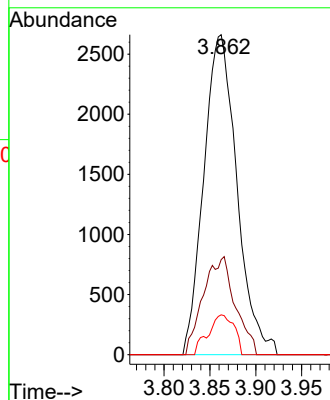
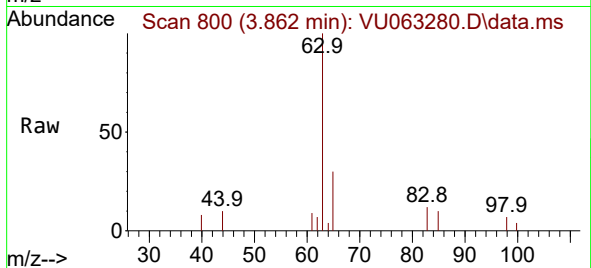




#19
1,1-Dichloroethane
Concen: 0.24 ug/L
RT: 3.862 min Scan# 80
Delta R.T. 0.009 min
Lab File: VU063280.D
Acq: 13 Mar 2025 12:46

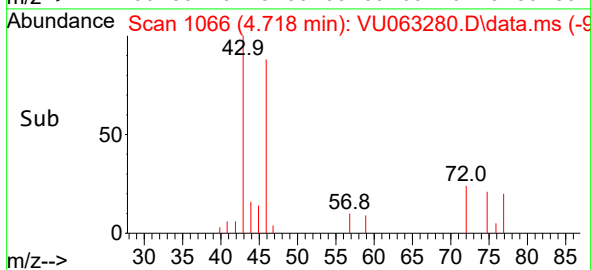
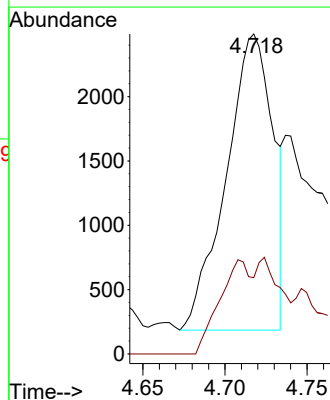
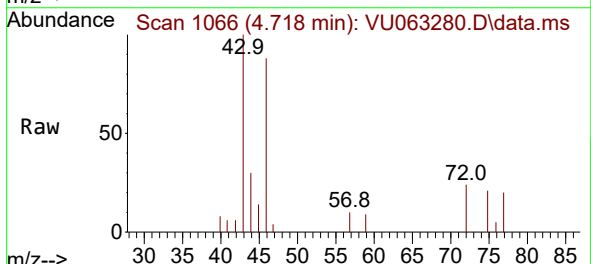
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-01

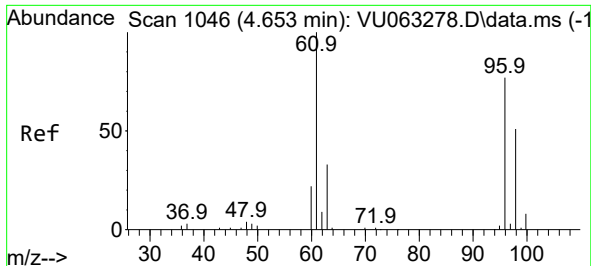
Tgt Ion:	63	Resp:	6680
Ion	Ratio	Lower	Upper
63	100		
65	29.7	22.8	42.4
83	12.5	9.3	17.3



#21
2-Butanone
Concen: 1.30 ug/L
RT: 4.718 min Scan# 1066
Delta R.T. 0.029 min
Lab File: VU063280.D
Acq: 13 Mar 2025 12:46

Tgt Ion:	43	Resp:	4582
Ion	Ratio	Lower	Upper
43	100		
72	16.9	14.5	43.5

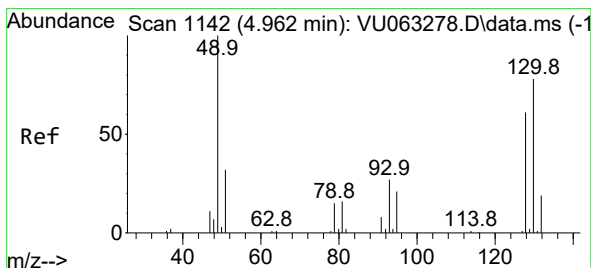
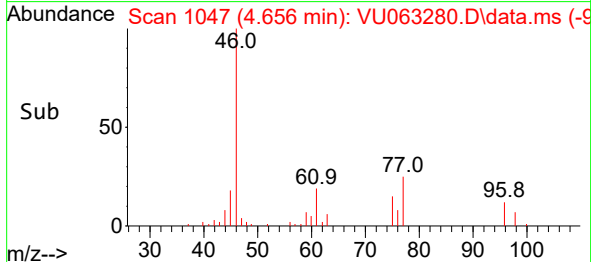
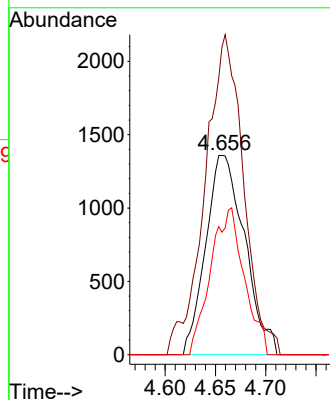
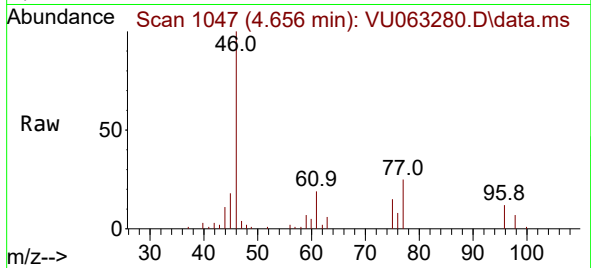




#22
 cis-1,2-Dichloroethene
 Concen: 0.23 ug/L
 RT: 4.656 min Scan# 1047
 Delta R.T. 0.003 min
 Lab File: VU063280.D
 Acq: 13 Mar 2025 12:46

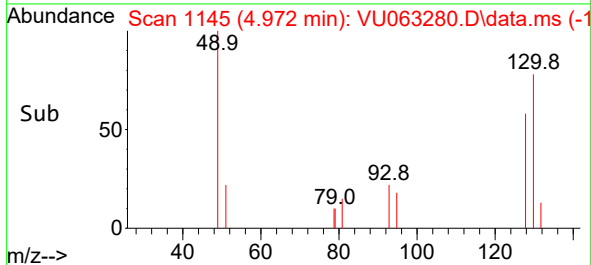
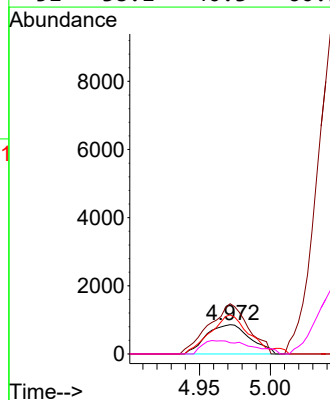
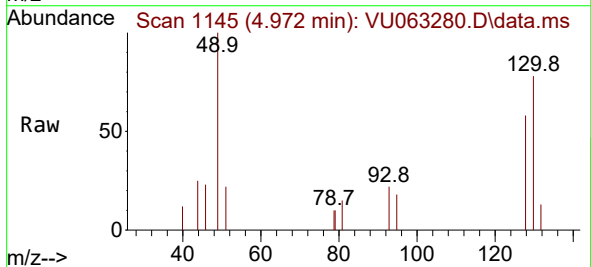
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT1-2025-01

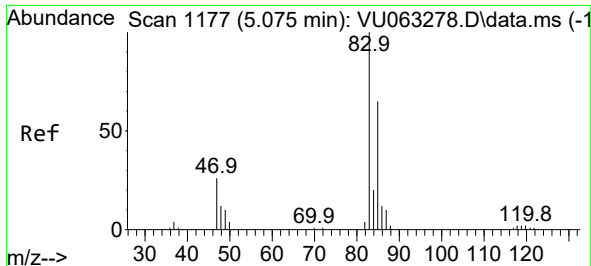
Tgt Ion:	96	Resp:	3657
Ion	Ratio	Lower	Upper
96	100		
61	154.2	89.9	167.0
98	61.4	43.8	81.4



#23
 Bromochloromethane
 Concen: 0.26 ug/L
 RT: 4.972 min Scan# 1145
 Delta R.T. 0.009 min
 Lab File: VU063280.D
 Acq: 13 Mar 2025 12:46

Tgt Ion:	128	Resp:	1840
Ion	Ratio	Lower	Upper
128	100		
49	171.2	115.1	213.8
130	132.9	87.6	162.8
51	38.1	40.3	60.5

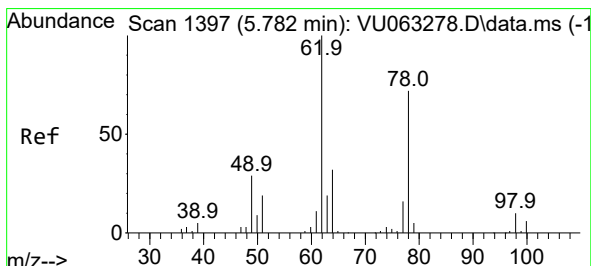
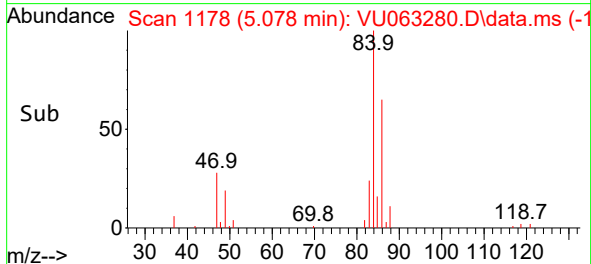
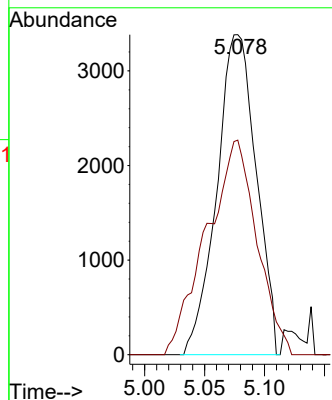
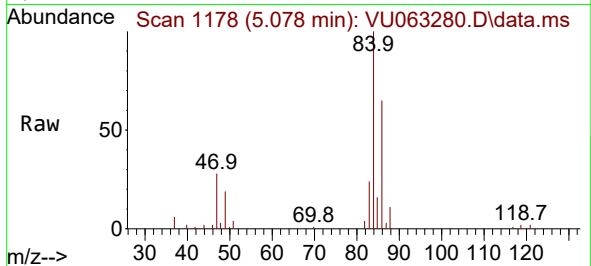




#25
Chloroform
Concen: 0.27 ug/L
RT: 5.078 min Scan# 1177
Delta R.T. 0.003 min
Lab File: VU063280.D
Acq: 13 Mar 2025 12:46

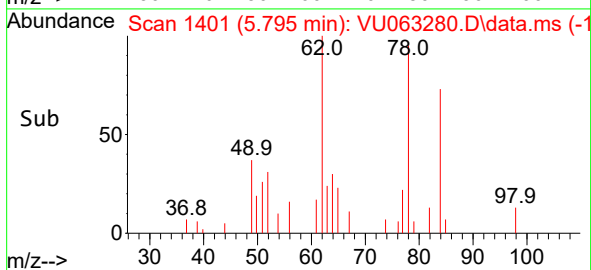
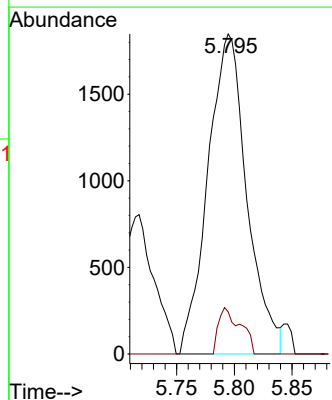
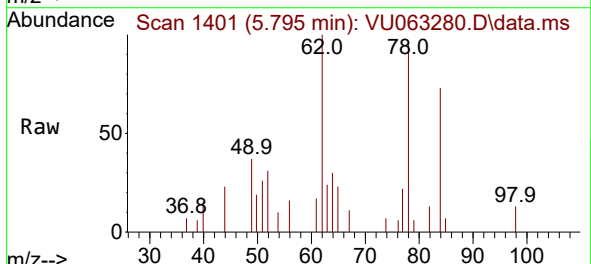
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-01

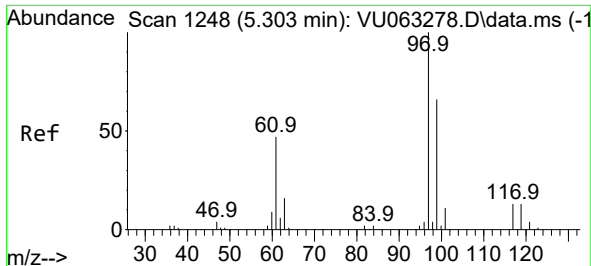
Tgt Ion: 83 Resp: 7733
Ion Ratio Lower Upper
83 100
85 67.0 46.8 86.8



#27
1,2-Dichloroethane
Concen: 0.24 ug/L
RT: 5.795 min Scan# 1401
Delta R.T. 0.013 min
Lab File: VU063280.D
Acq: 13 Mar 2025 12:46

Tgt Ion: 62 Resp: 4339
Ion Ratio Lower Upper
62 100
98 13.1 7.2 10.8#





#29

1,1,1-Trichloroethane

Concen: 0.24 ug/L

RT: 5.306 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU063280.D

Acq: 13 Mar 2025 12:46

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2025-01

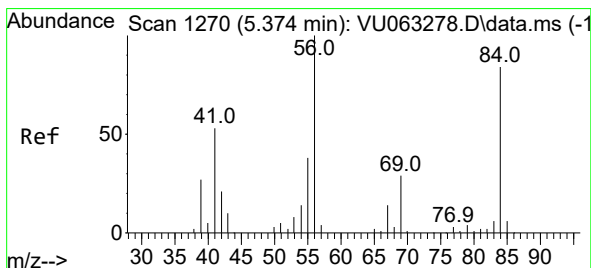
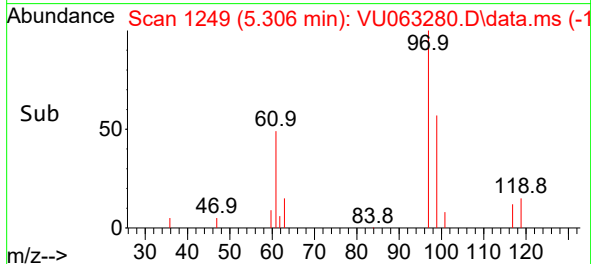
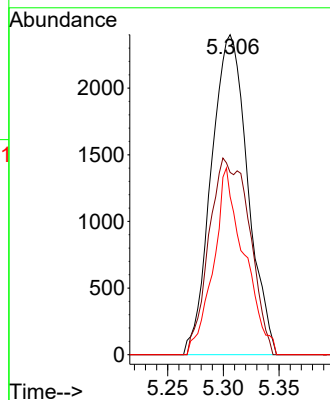
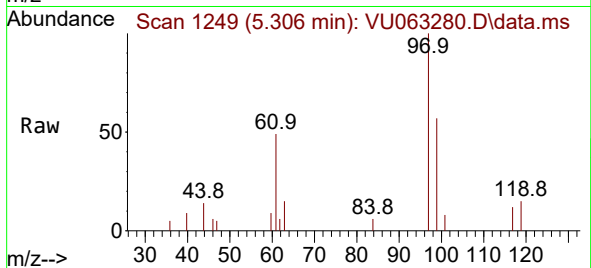
Tgt Ion: 97 Resp: 5466

Ion Ratio Lower Upper

97 100

99 68.4 52.0 78.0

61 49.4 38.0 57.0



#30

Cyclohexane

Concen: 0.25 ug/L

RT: 5.373 min Scan# 1270

Delta R.T. -0.000 min

Lab File: VU063280.D

Acq: 13 Mar 2025 12:46

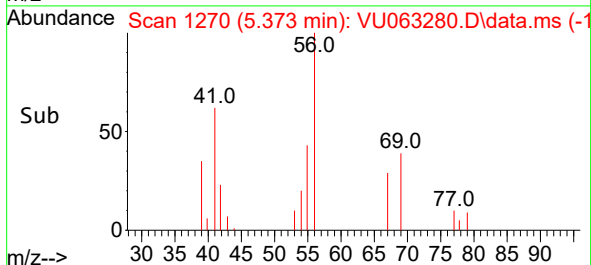
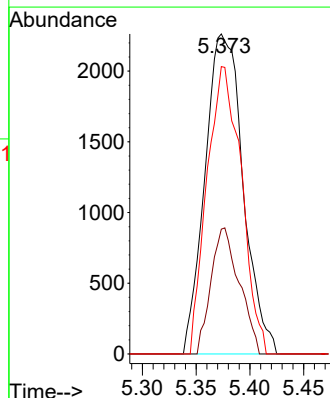
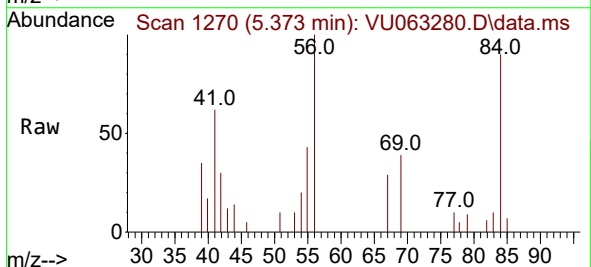
Tgt Ion: 56 Resp: 5580

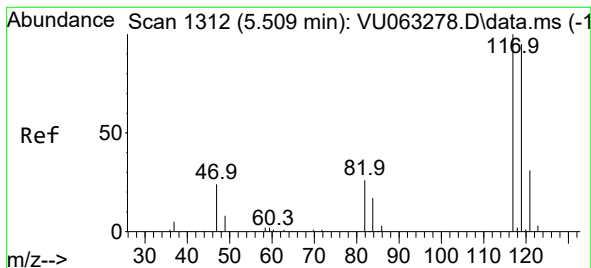
Ion Ratio Lower Upper

56 100

69 29.3 25.1 37.7

84 81.0 68.1 102.1





#31

Carbon tetrachloride

Concen: 0.24 ug/L

RT: 5.512 min Scan# 111

Delta R.T. 0.003 min

Lab File: VU063280.D

Acq: 13 Mar 2025 12:46

Instrument :

MSVOA_U

ClientSampleId :

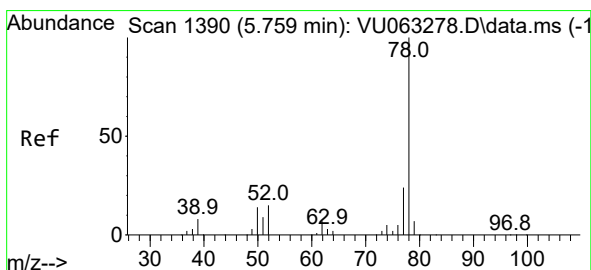
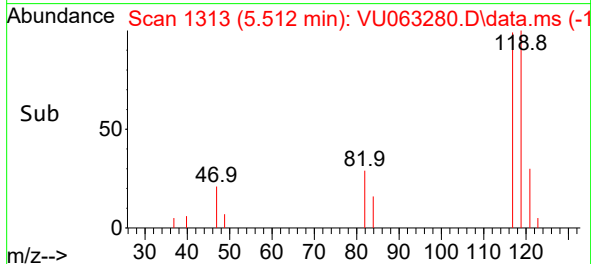
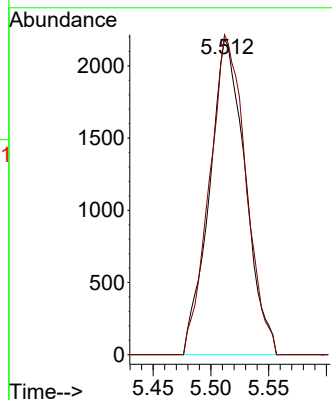
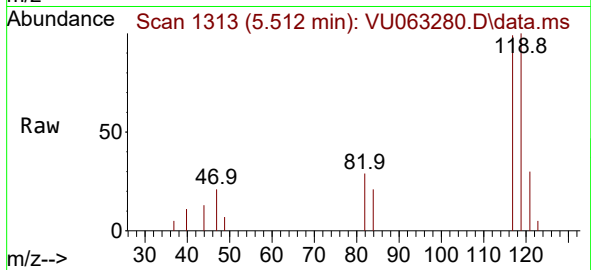
MDL-WATER-QT1-2025-01

Tgt Ion:117 Resp: 4719

Ion Ratio Lower Upper

117 100

119 102.3 76.7 115.1



#33

Benzene

Concen: 0.23 ug/L

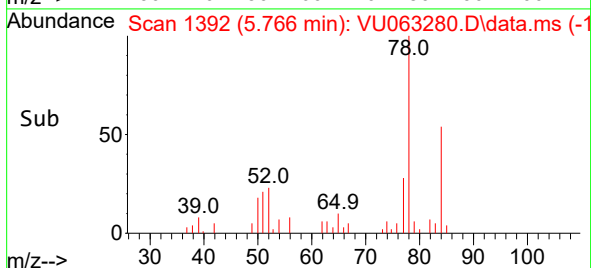
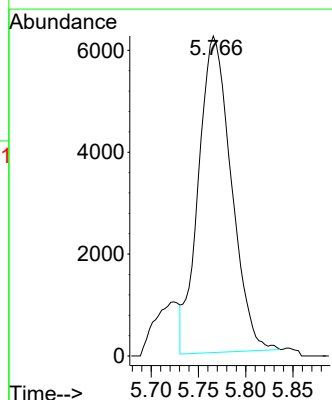
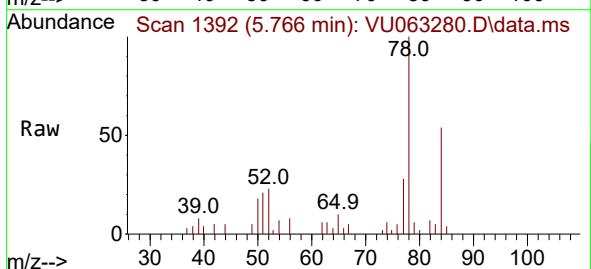
RT: 5.766 min Scan# 1392

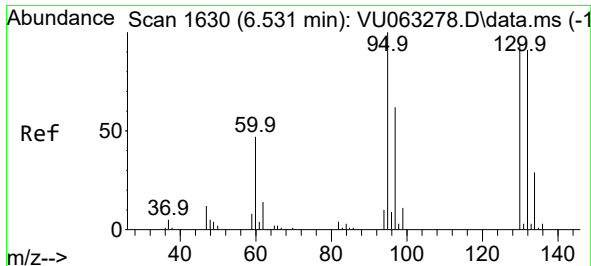
Delta R.T. 0.006 min

Lab File: VU063280.D

Acq: 13 Mar 2025 12:46

Tgt Ion: 78 Resp: 14977

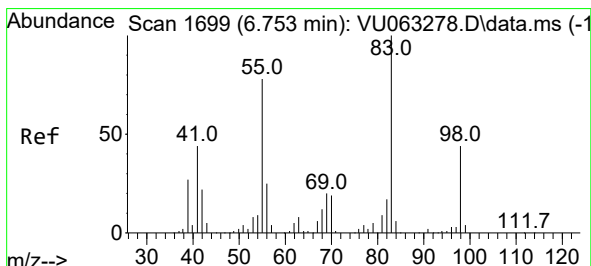
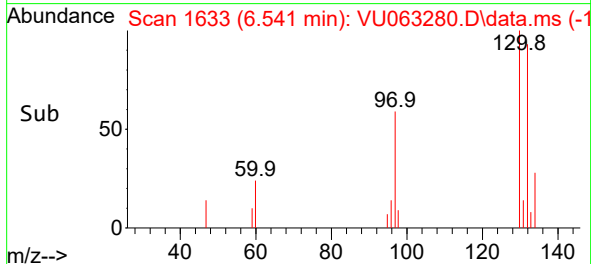
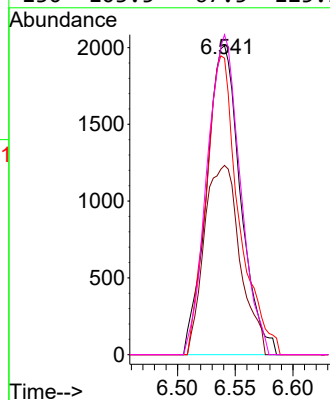
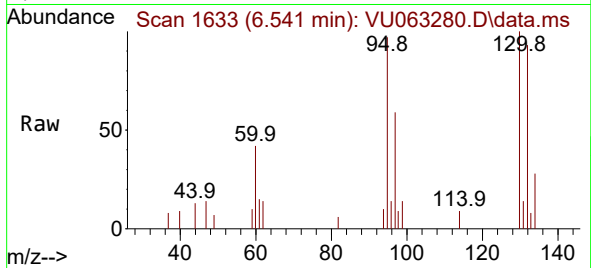




#34
 Trichloroethene
 Concen: 0.26 ug/L
 RT: 6.541 min Scan# 1
 Delta R.T. 0.009 min
 Lab File: VU063280.D
 Acq: 13 Mar 2025 12:46

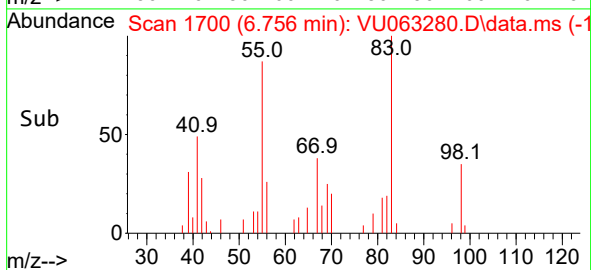
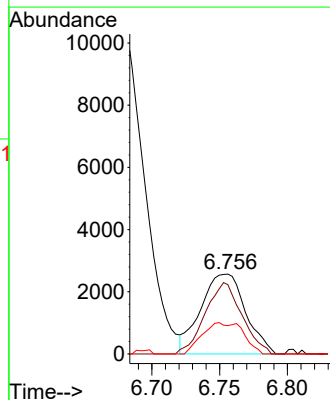
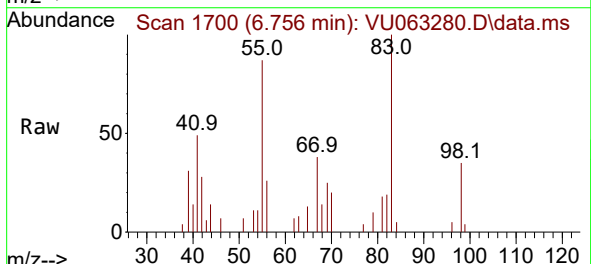
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT1-2025-01

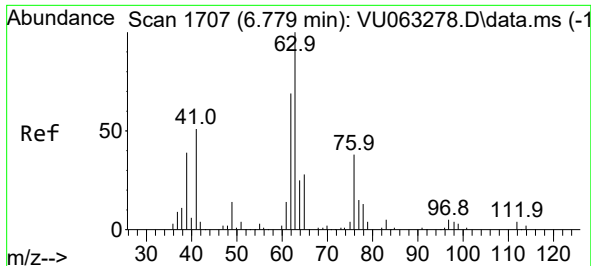
Tgt Ion:	95	Resp:	4103
Ion	Ratio	Lower	Upper
95	100		
97	61.3	45.0	83.6
132	95.9	64.0	119.0
130	103.5	67.5	125.3



#35
 Methylcyclohexane
 Concen: 0.26 ug/L
 RT: 6.756 min Scan# 1700
 Delta R.T. 0.003 min
 Lab File: VU063280.D
 Acq: 13 Mar 2025 12:46

Tgt Ion:	83	Resp:	5907
Ion	Ratio	Lower	Upper
83	100		
55	73.1	62.7	94.1
98	22.7	34.3	51.5

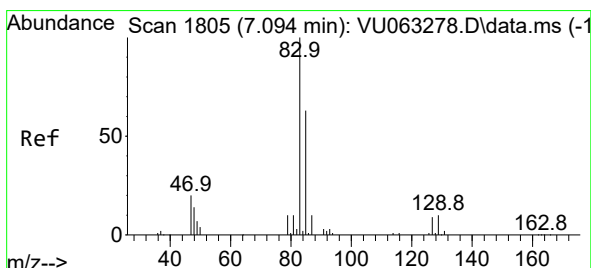
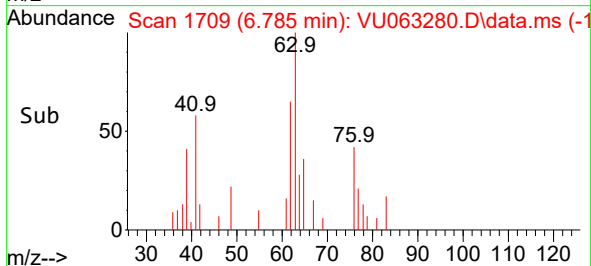
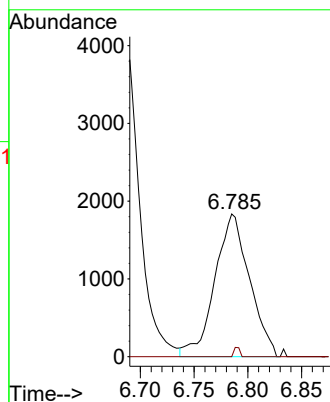
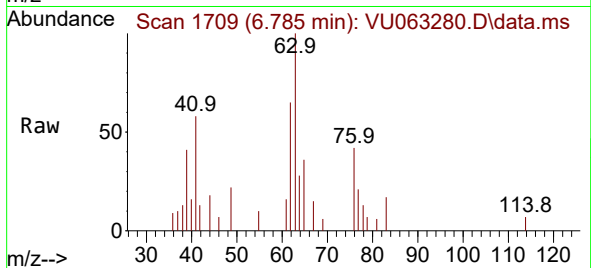




#37
1,2-Dichloropropane
Concen: 0.24 ug/L
RT: 6.785 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU063280.D
Acq: 13 Mar 2025 12:46

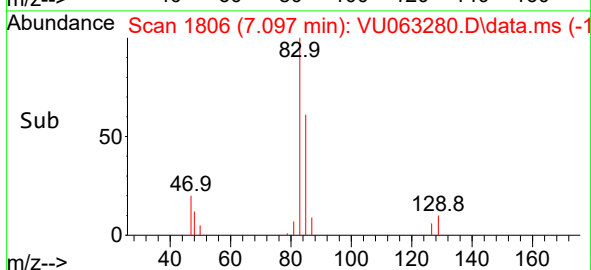
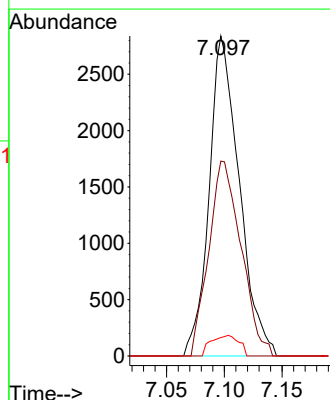
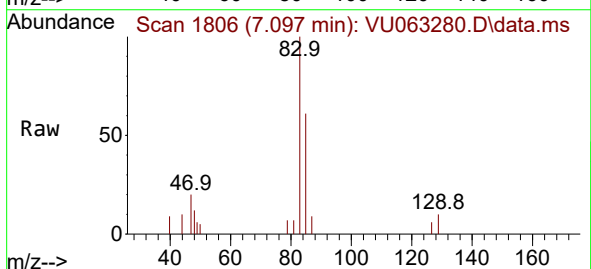
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-01

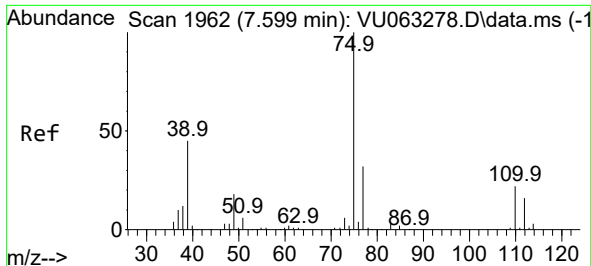
Tgt Ion: 63 Resp: 4115
Ion Ratio Lower Upper
63 100
112 1.1 3.0 4.4#



#38
Bromodichloromethane
Concen: 0.25 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.003 min
Lab File: VU063280.D
Acq: 13 Mar 2025 12:46

Tgt Ion: 83 Resp: 5143
Ion Ratio Lower Upper
83 100
85 60.9 44.3 82.3
127 5.8 6.9 10.3#





#39

cis-1,3-Dichloropropene

Concen: 0.20 ug/L

RT: 7.602 min Scan# 1962

Delta R.T. 0.003 min

Lab File: VU063280.D

Acq: 13 Mar 2025 12:46

Instrument :

MSVOA_U

ClientSampleId :

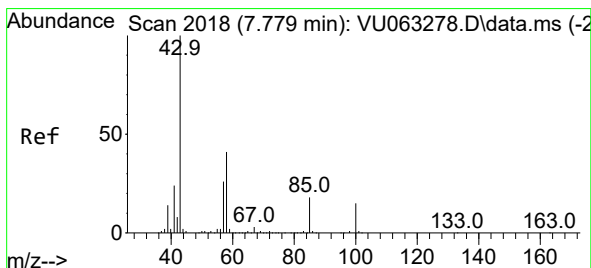
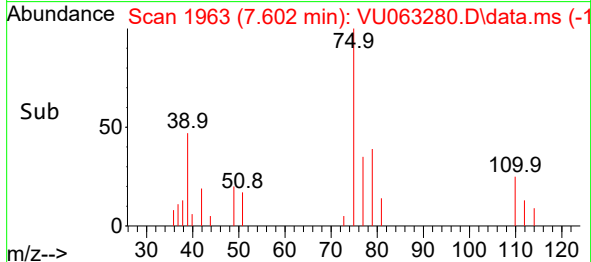
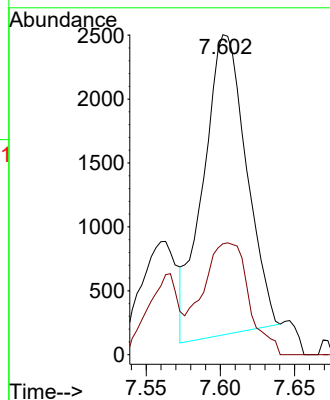
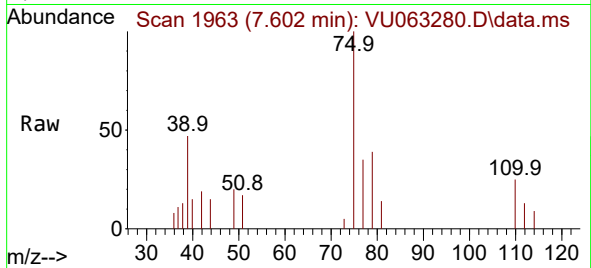
MDL-WATER-QT1-2025-01

Tgt Ion: 75 Resp: 4739

Ion Ratio Lower Upper

75 100

77 34.7 21.3 39.6



#40

4-Methyl-2-pentanone

Concen: 2.22 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. 0.006 min

Lab File: VU063280.D

Acq: 13 Mar 2025 12:46

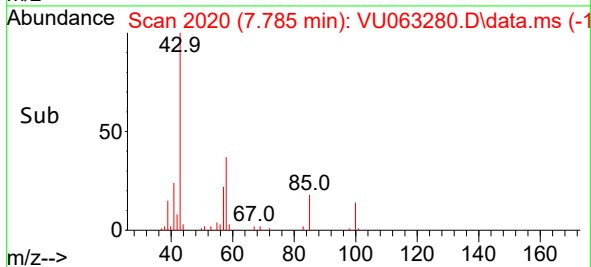
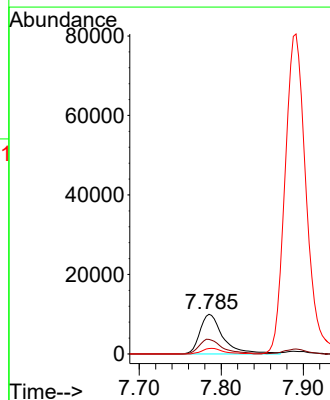
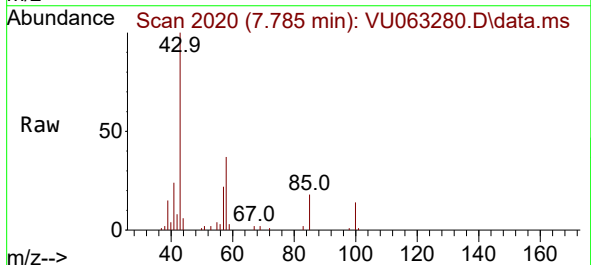
Tgt Ion: 43 Resp: 19629

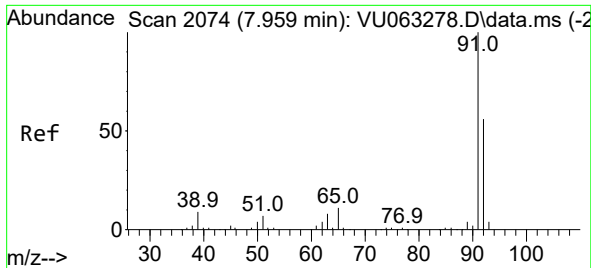
Ion Ratio Lower Upper

43 100

58 37.5 33.1 49.7

100 0.0 11.9 17.9#





#42

Toluene

Concen: 0.23 ug/L

RT: 7.962 min Scan# 2150

Delta R.T. 0.003 min

Lab File: VU063280.D

Acq: 13 Mar 2025 12:46

Instrument :

MSVOA_U

ClientSampleId :

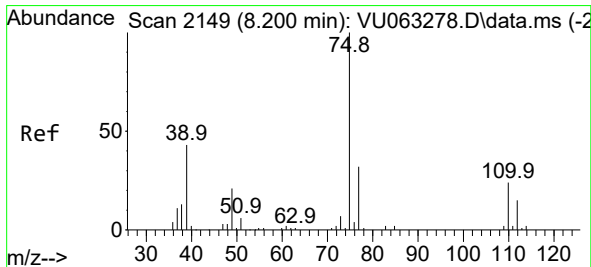
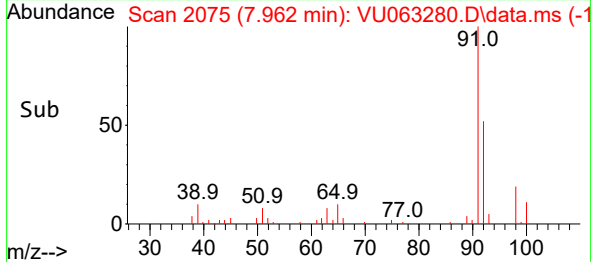
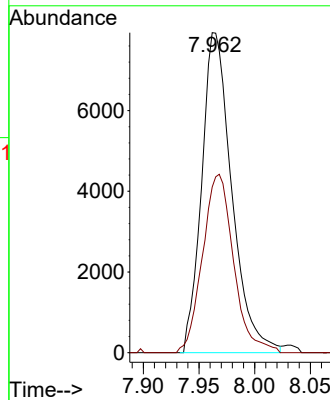
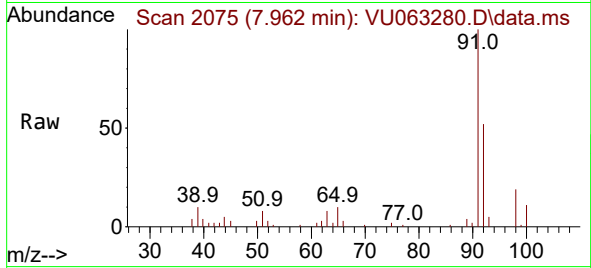
MDL-WATER-QT1-2025-01

Tgt Ion: 91 Resp: 14937

Ion Ratio Lower Upper

91 100

92 51.8 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 0.24 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.003 min

Lab File: VU063280.D

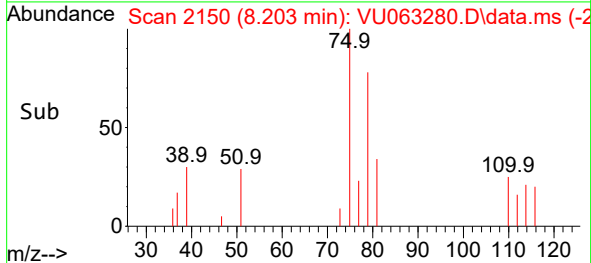
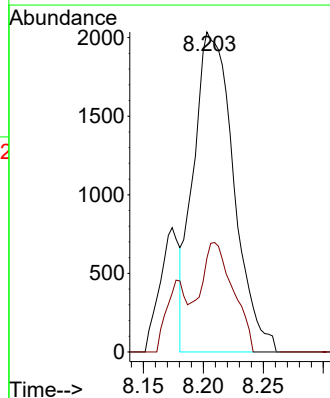
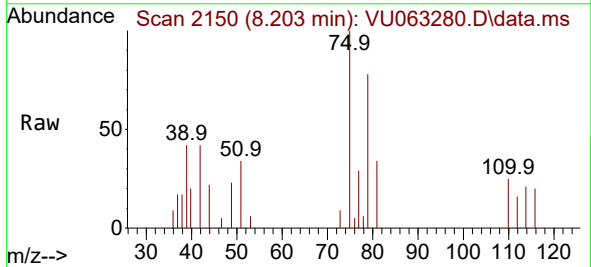
Acq: 13 Mar 2025 12:46

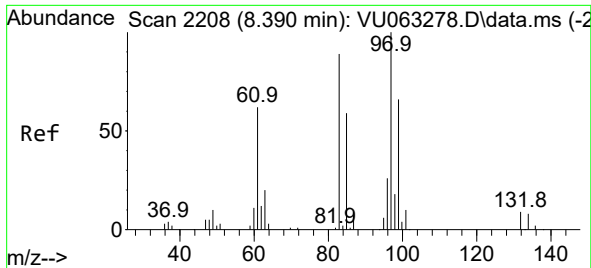
Tgt Ion: 75 Resp: 4733

Ion Ratio Lower Upper

75 100

77 29.4 22.1 41.1

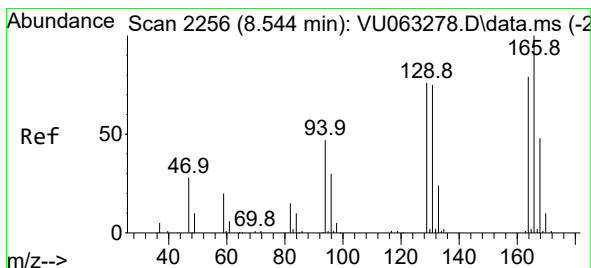
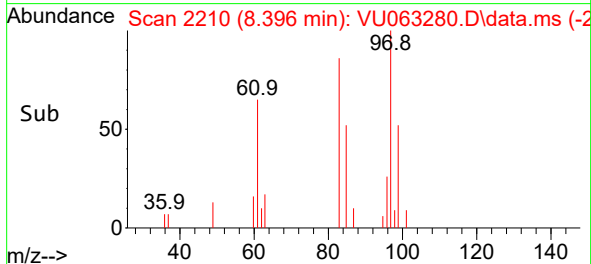
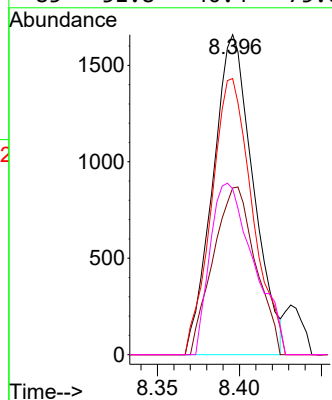
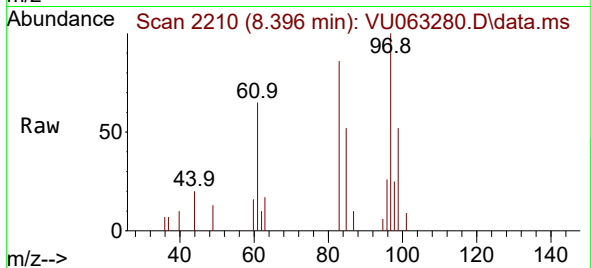




#45
1,1,2-Trichloroethane
Concen: 0.23 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. 0.006 min
Lab File: VU063280.D
Acq: 13 Mar 2025 12:46

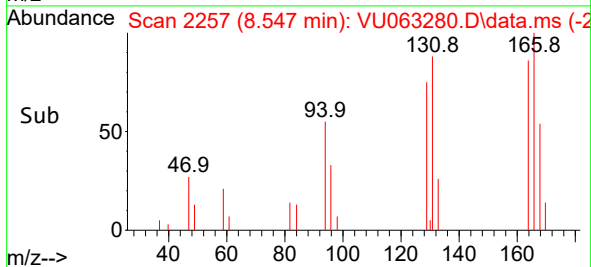
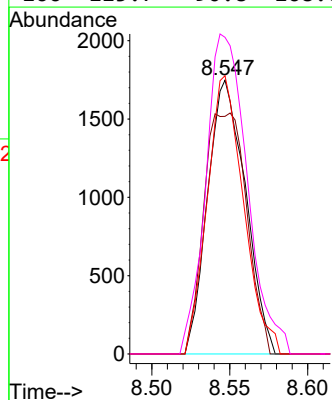
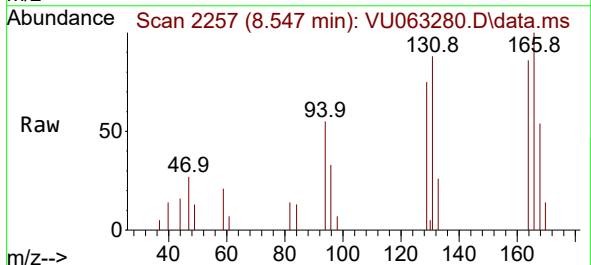
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-01

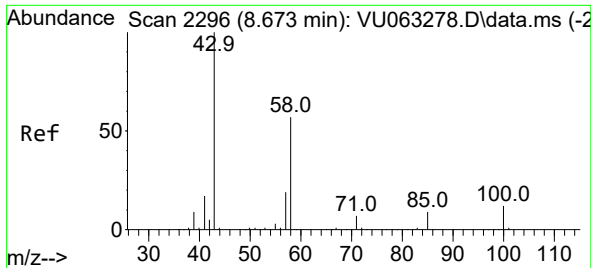
Tgt Ion: 97	Resp: 2830
Ion Ratio	Lower Upper
97 100	
99 52.1	43.2 80.2
83 86.3	63.0 117.0
85 51.8	40.4 75.0



#47
Tetrachloroethene
Concen: 0.25 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.003 min
Lab File: VU063280.D
Acq: 13 Mar 2025 12:46

Tgt Ion:164	Resp: 2948
Ion Ratio	Lower Upper
164 100	
129 86.8	69.6 129.2
131 101.6	67.9 126.1
166 115.7	90.8 168.6

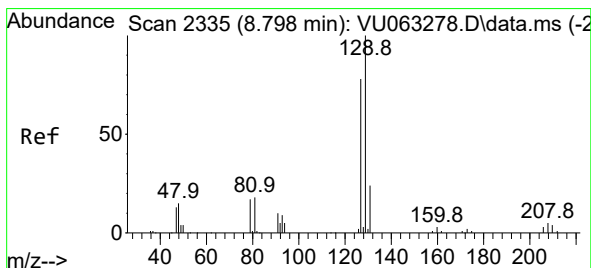
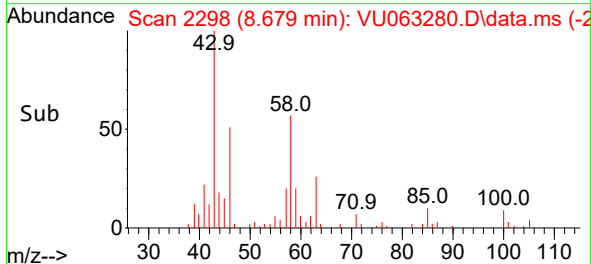
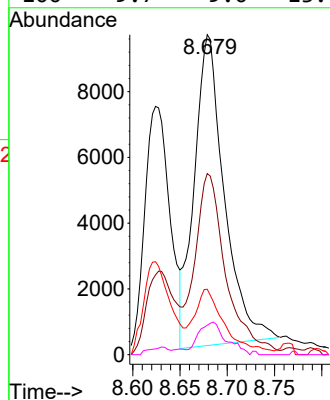
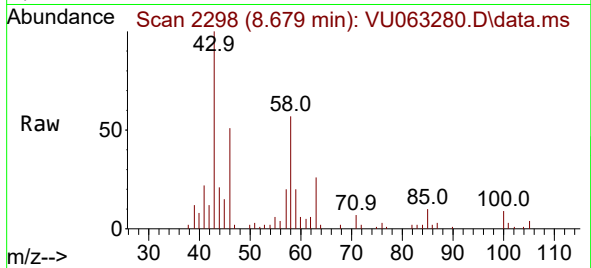




#48
2-Hexanone
Concen: 3.38 ug/L
RT: 8.679 min Scan# 2296
Delta R.T. 0.006 min
Lab File: VU063280.D
Acq: 13 Mar 2025 12:46

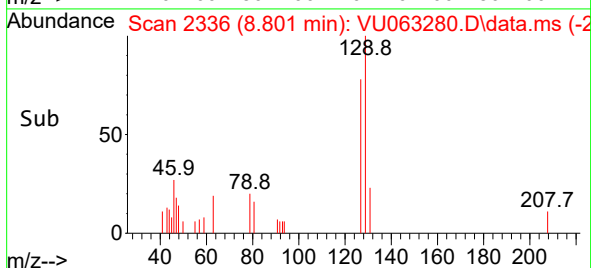
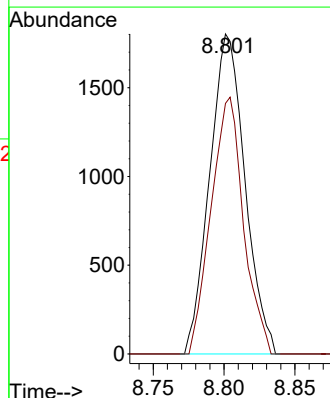
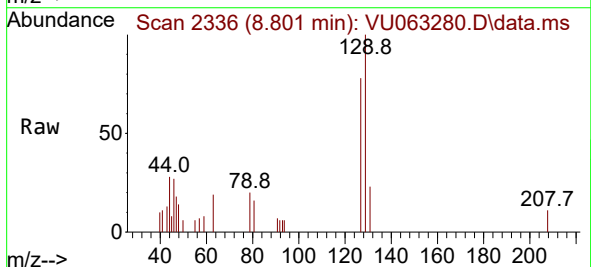
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-01

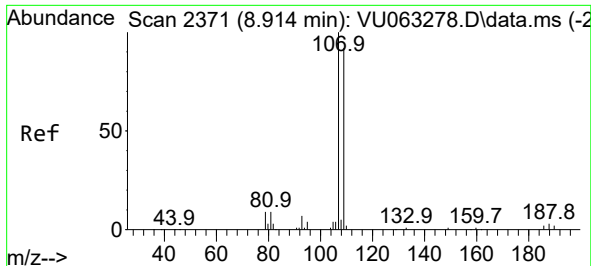
Tgt Ion:	43	Resp:	20858
Ion	Ratio	Lower	Upper
43	100		
58	57.3	45.8	68.8
57	21.6	15.5	23.3
100	9.7	9.0	13.4



#49
Dibromochloromethane
Concen: 0.24 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. 0.003 min
Lab File: VU063280.D
Acq: 13 Mar 2025 12:46

Tgt Ion:	129	Resp:	3125
Ion	Ratio	Lower	Upper
129	100		
127	78.3	54.9	102.1





#50

1,2-Dibromoethane

Concen: 0.23 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.006 min

Lab File: VU063280.D

Acq: 13 Mar 2025 12:46

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2025-01

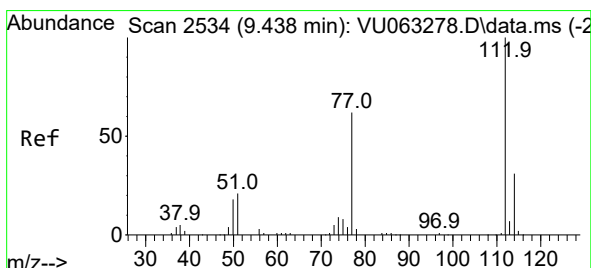
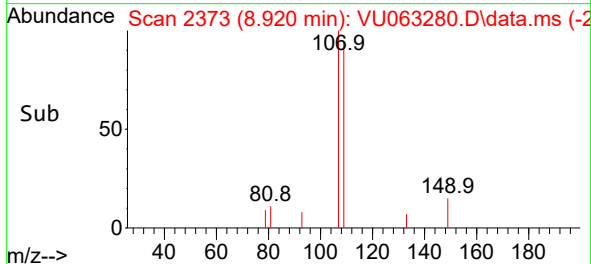
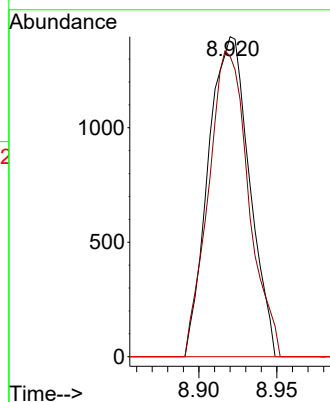
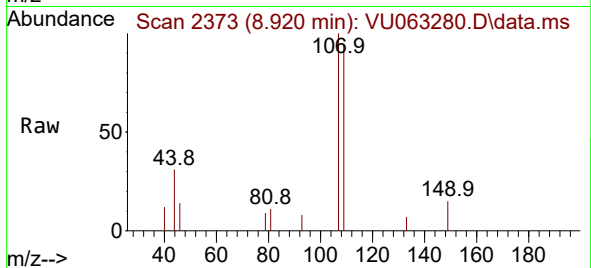
Tgt Ion:107 Resp: 2562

Ion Ratio Lower Upper

107 100

109 93.9 66.6 123.6

188 0.0 2.6 4.0#



#51

Chlorobenzene

Concen: 0.25 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.003 min

Lab File: VU063280.D

Acq: 13 Mar 2025 12:46

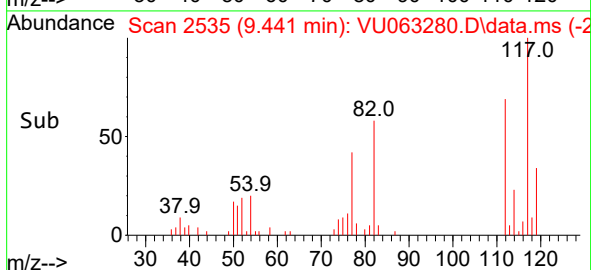
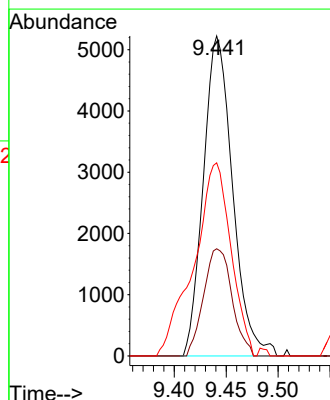
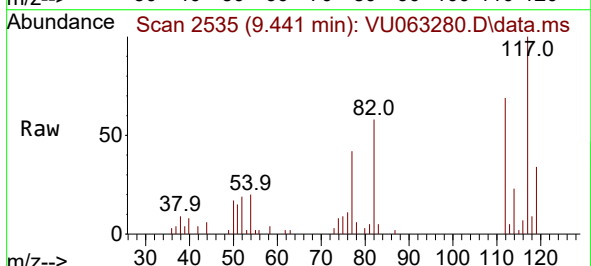
Tgt Ion:112 Resp: 10226

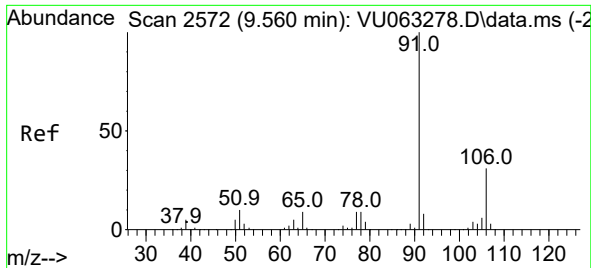
Ion Ratio Lower Upper

112 100

114 33.5 22.2 41.2

77 60.3 49.2 73.8

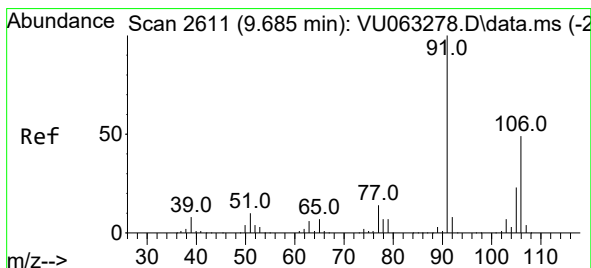
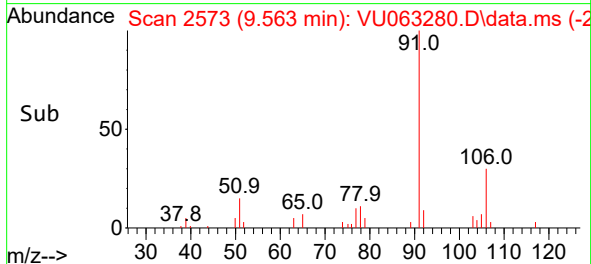
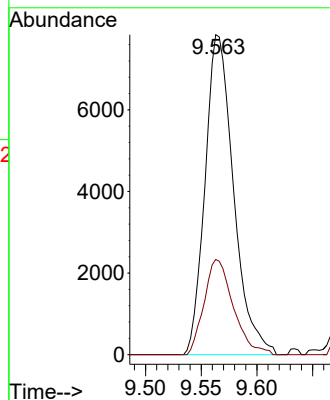
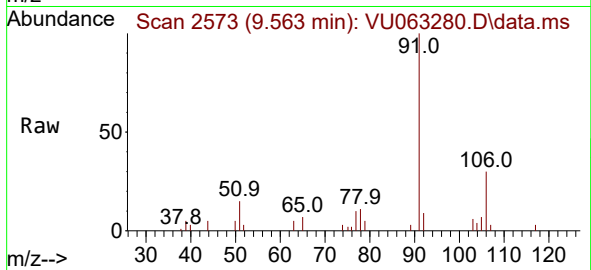




#52
Ethylbenzene
Concen: 0.21 ug/L
RT: 9.563 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063280.D
Acq: 13 Mar 2025 12:46

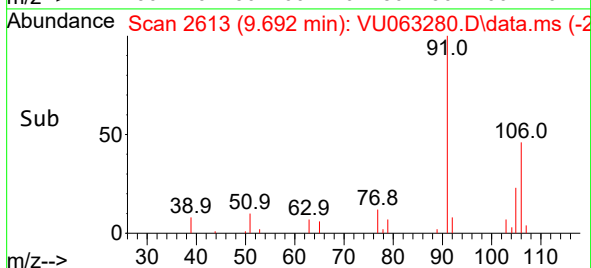
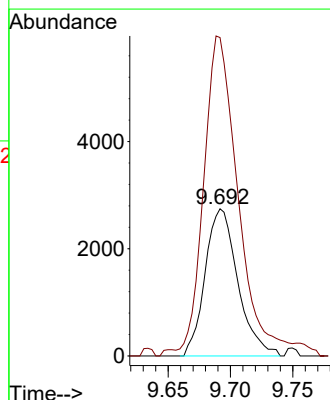
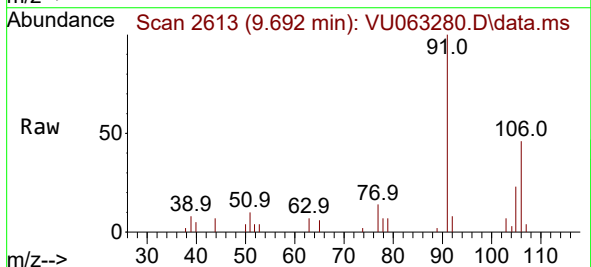
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-01

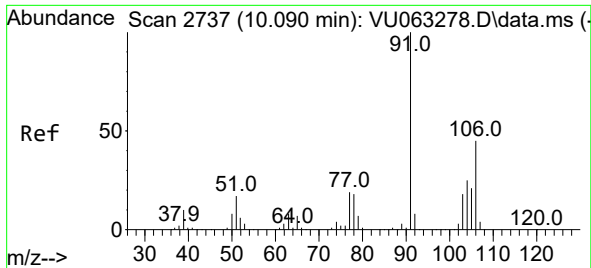
Tgt Ion: 91 Resp: 13966
Ion Ratio Lower Upper
91 100
106 29.7 21.9 40.7



#53
m,p-Xylene
Concen: 0.20 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.006 min
Lab File: VU063280.D
Acq: 13 Mar 2025 12:46

Tgt Ion: 106 Resp: 5019
Ion Ratio Lower Upper
106 100
91 216.3 143.3 266.1

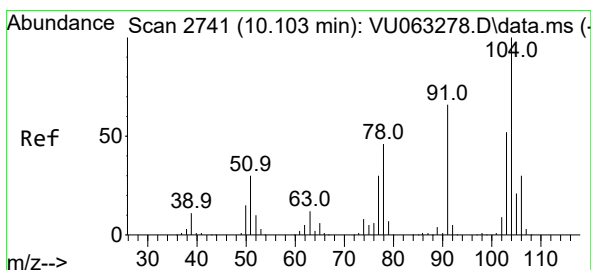
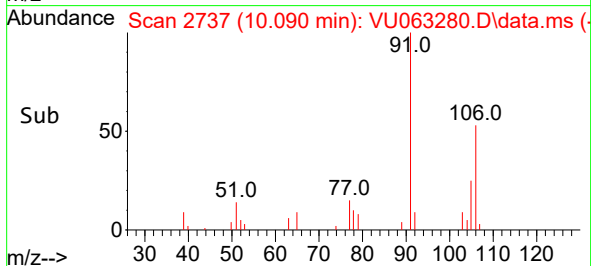
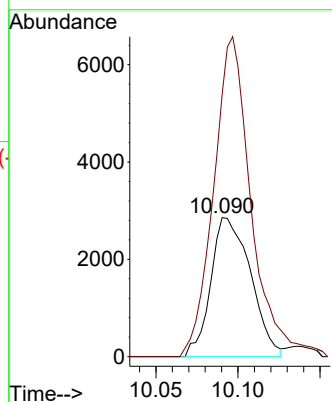
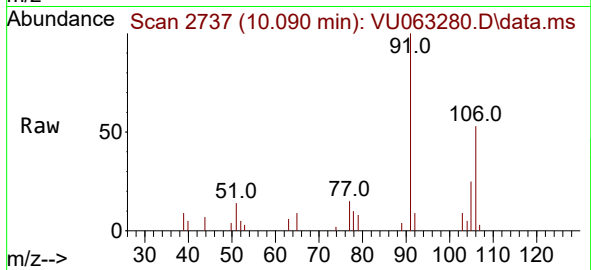




#54
o-Xylene
Concen: 0.20 ug/L
RT: 10.090 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU063280.D
Acq: 13 Mar 2025 12:46

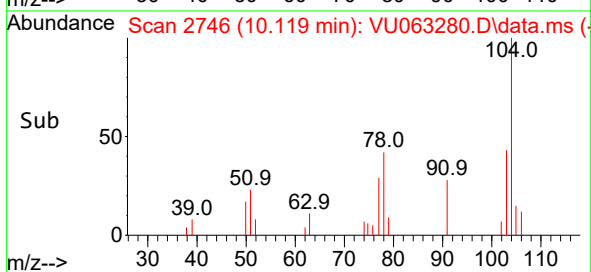
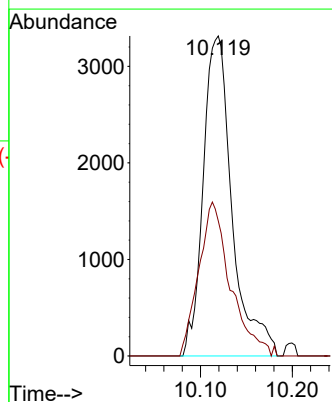
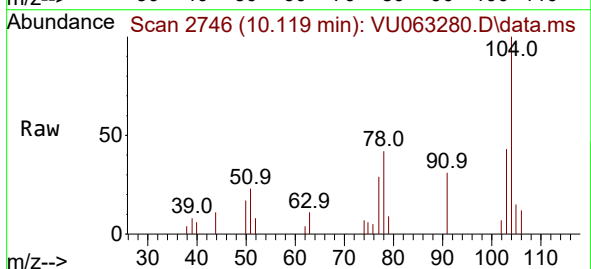
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-01

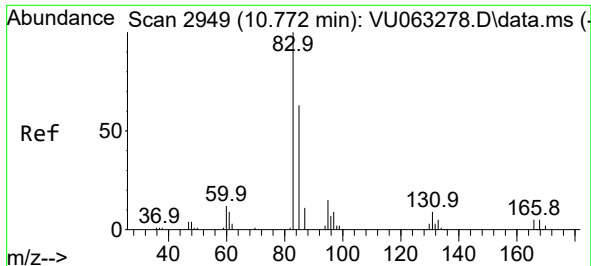
Tgt Ion:106 Resp: 4809
Ion Ratio Lower Upper
106 100
91 188.4 155.5 288.9



#55
Styrene
Concen: 0.18 ug/L
RT: 10.119 min Scan# 2746
Delta R.T. 0.016 min
Lab File: VU063280.D
Acq: 13 Mar 2025 12:46

Tgt Ion:104 Resp: 7270
Ion Ratio Lower Upper
104 100
78 42.2 31.6 58.6





#57

1,1,2-Tetrachloroethane

Concen: 0.24 ug/L

RT: 10.775 min Scan# 2949

Delta R.T. 0.003 min

Lab File: VU063280.D

Acq: 13 Mar 2025 12:46

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2025-01

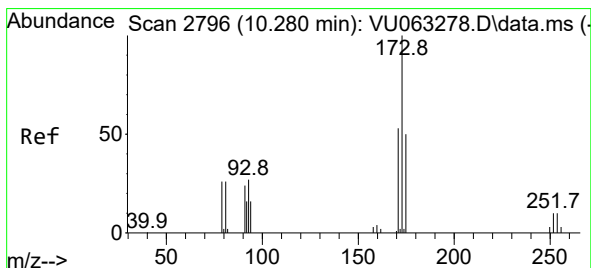
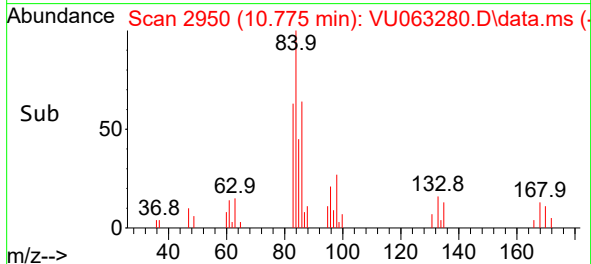
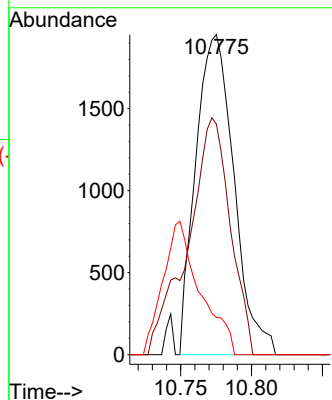
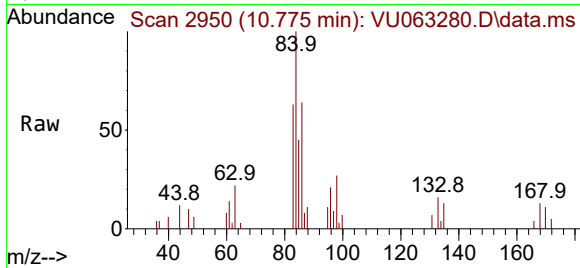
Tgt Ion: 83 Resp: 3665

Ion Ratio Lower Upper

83 100

85 72.1 44.9 83.5

131 11.6 7.2 10.8#



#59

Bromoform

Concen: 0.26 ug/L

RT: 10.290 min Scan# 2799

Delta R.T. 0.009 min

Lab File: VU063280.D

Acq: 13 Mar 2025 12:46

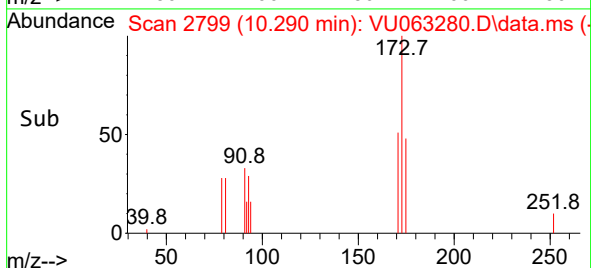
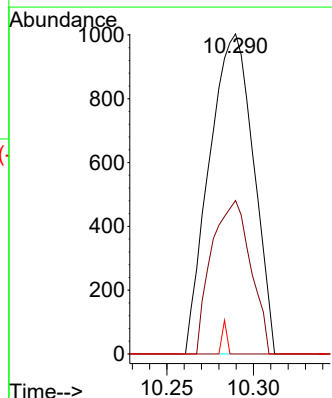
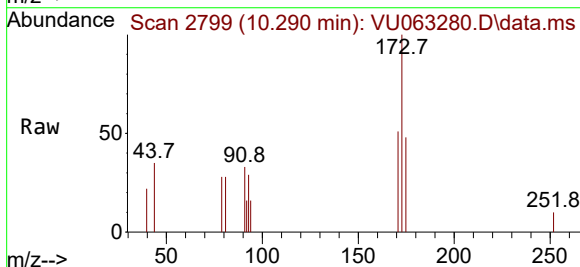
Tgt Ion:173 Resp: 1776

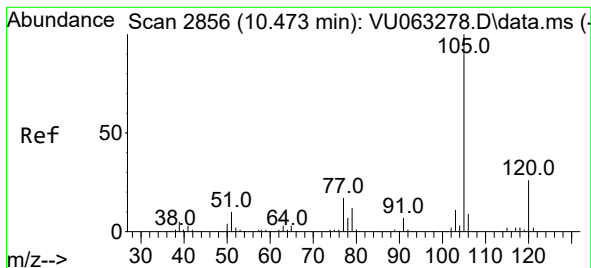
Ion Ratio Lower Upper

173 100

175 42.5 39.4 59.0

254 1.1 7.2 10.8#





#60

Isopropylbenzene

Concen: 0.23 ug/L

RT: 10.479 min Scan# 2856

Delta R.T. 0.006 min

Lab File: VU063280.D

Acq: 13 Mar 2025 12:46

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2025-01

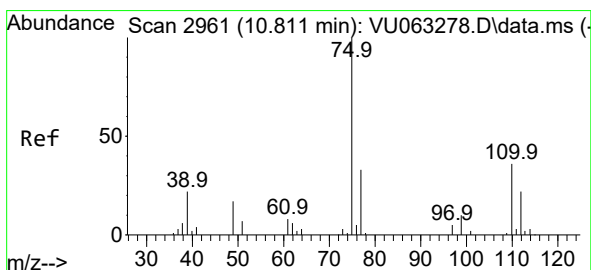
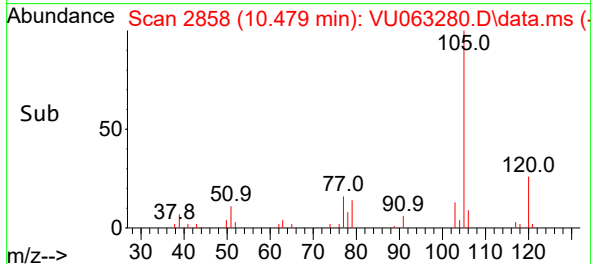
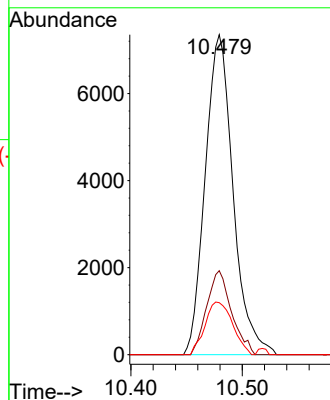
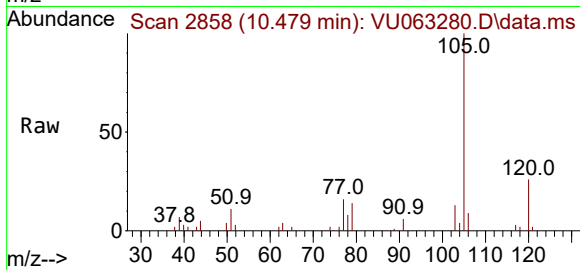
Tgt Ion:105 Resp: 12779

Ion Ratio Lower Upper

105 100

120 23.5 20.6 31.0

77 16.3 13.0 19.4



#61

1,2,3-Trichloropropane

Concen: 0.28 ug/L

RT: 10.820 min Scan# 2964

Delta R.T. 0.009 min

Lab File: VU063280.D

Acq: 13 Mar 2025 12:46

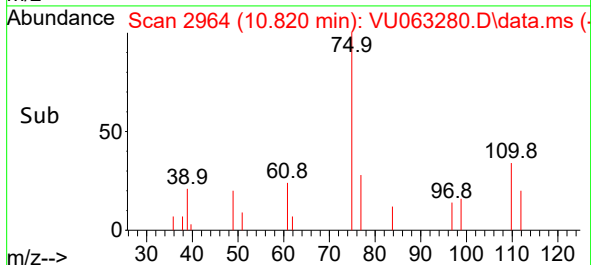
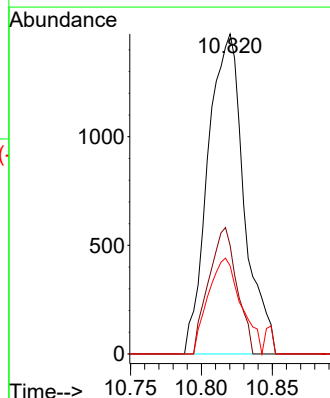
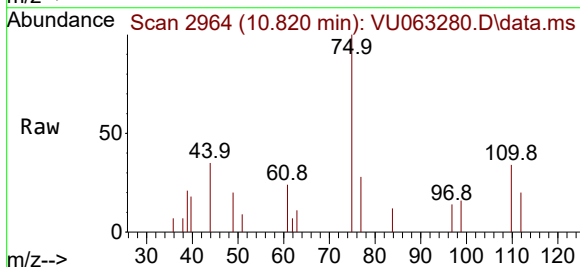
Tgt Ion: 75 Resp: 2606

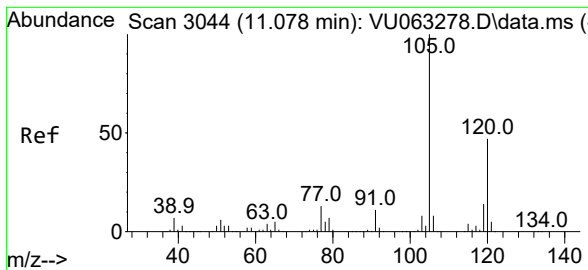
Ion Ratio Lower Upper

75 100

110 30.8 29.3 43.9

77 27.3 25.8 38.8

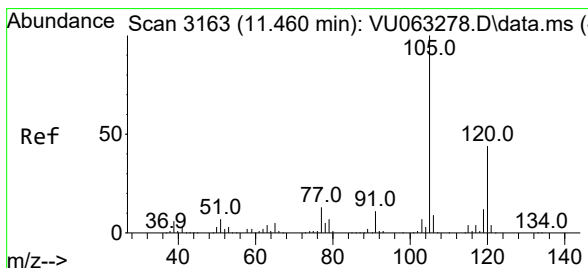
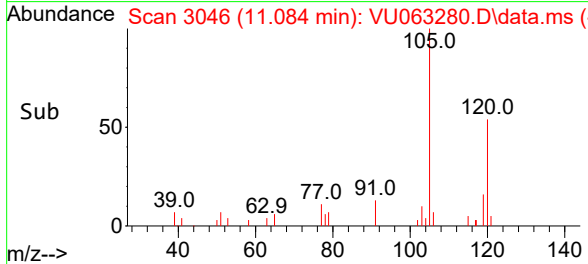
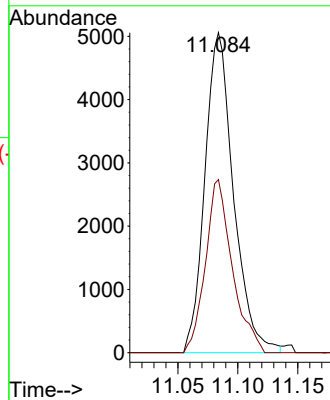
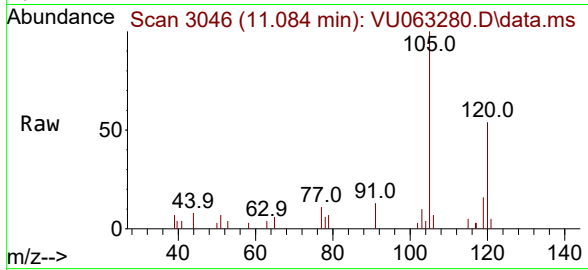




#62
1,3,5-Trimethylbenzene
Concen: 0.19 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.006 min
Lab File: VU063280.D
Acq: 13 Mar 2025 12:46

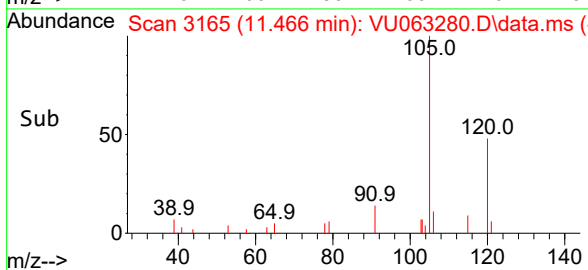
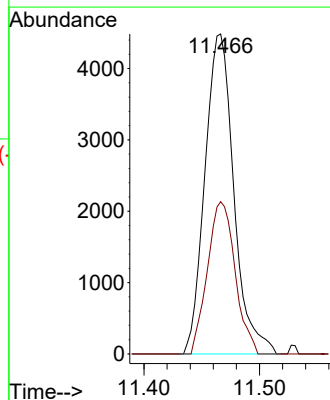
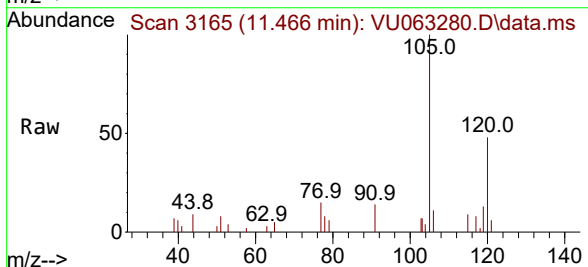
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-01

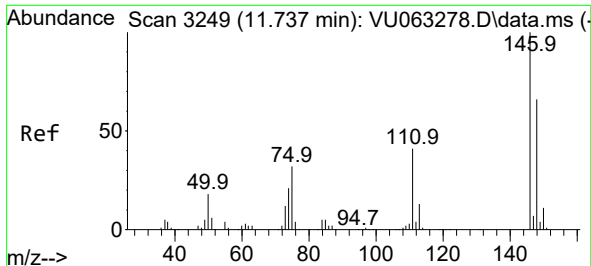
Tgt Ion:105 Resp: 8406
Ion Ratio Lower Upper
105 100
120 50.6 37.5 56.3



#63
1,2,4-Trimethylbenzene
Concen: 0.19 ug/L
RT: 11.466 min Scan# 3165
Delta R.T. 0.006 min
Lab File: VU063280.D
Acq: 13 Mar 2025 12:46

Tgt Ion:105 Resp: 7808
Ion Ratio Lower Upper
105 100
120 45.4 35.1 52.7

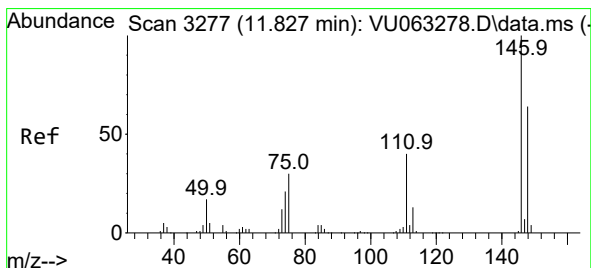
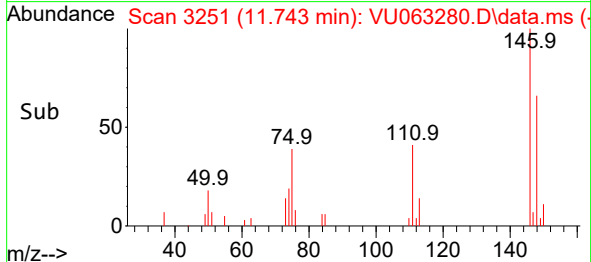
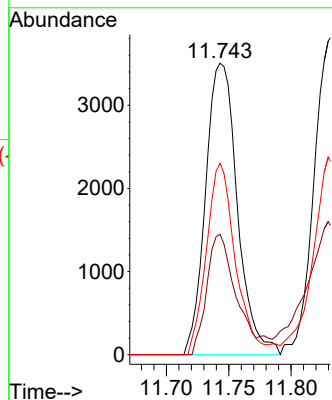
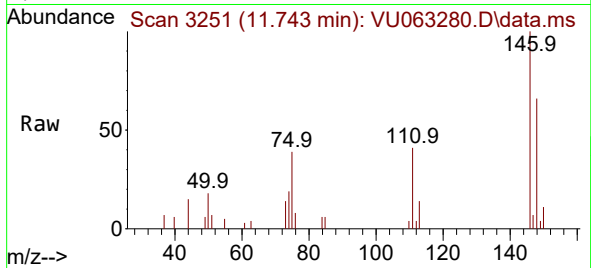




#64
1,3-Dichlorobenzene
Concen: 0.24 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU063280.D
Acq: 13 Mar 2025 12:46

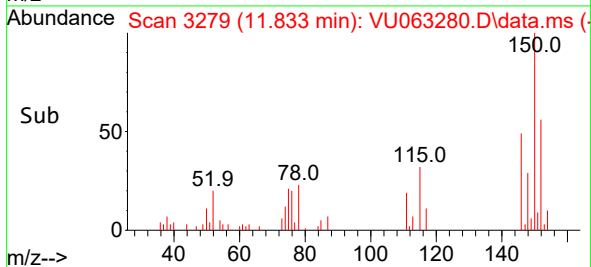
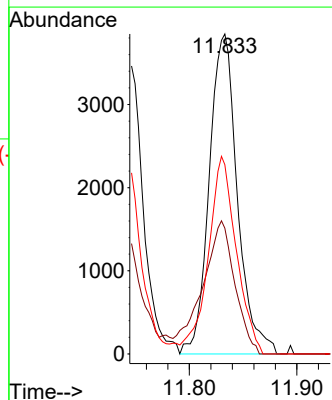
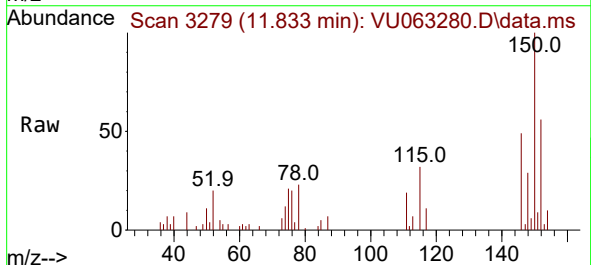
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-01

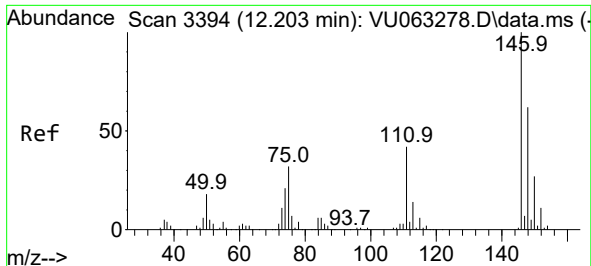
Tgt Ion:146 Resp: 6226
Ion Ratio Lower Upper
146 100
111 41.4 28.5 52.9
148 65.7 45.7 84.9



#65
1,4-Dichlorobenzene
Concen: 0.27 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.006 min
Lab File: VU063280.D
Acq: 13 Mar 2025 12:46

Tgt Ion:146 Resp: 6998
Ion Ratio Lower Upper
146 100
111 39.3 28.3 52.5
148 59.2 45.0 83.6





#67

1,2-Dichlorobenzene

Concen: 0.26 ug/L

RT: 12.206 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU063280.D

Acq: 13 Mar 2025 12:46

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2025-01

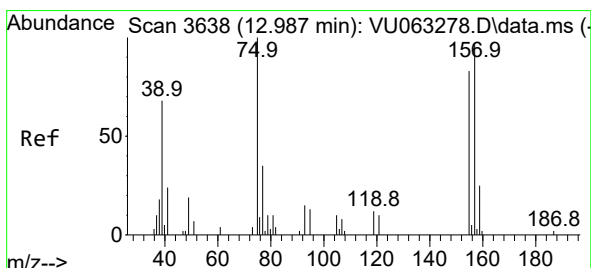
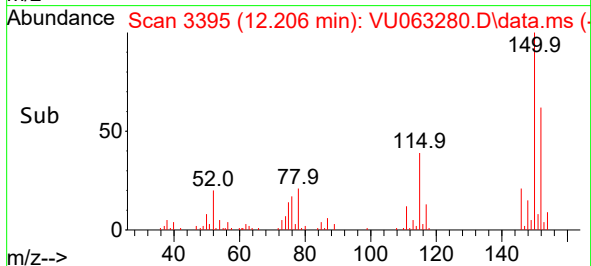
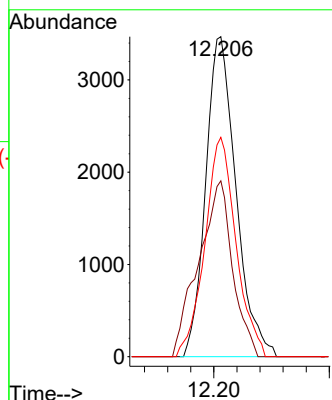
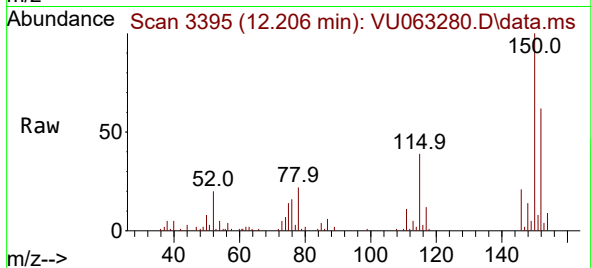
Tgt Ion:146 Resp: 6308

Ion Ratio Lower Upper

146 100

111 55.0 33.9 50.9#

148 68.6 52.0 78.0



#68

1,2-Dibromo-3-chloropropane

Concen: 0.18 ug/L

RT: 13.003 min Scan# 3643

Delta R.T. 0.016 min

Lab File: VU063280.D

Acq: 13 Mar 2025 12:46

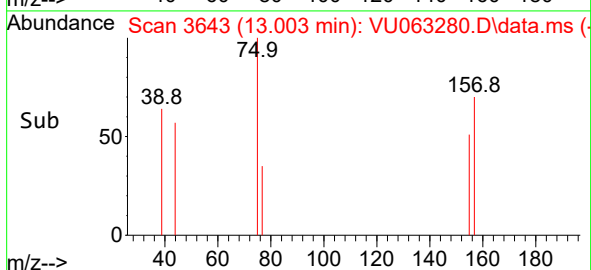
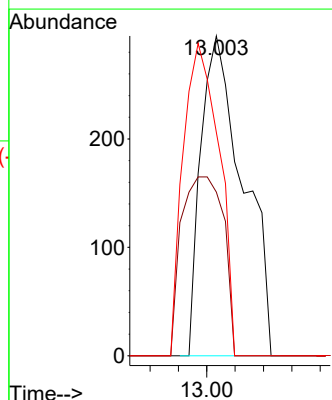
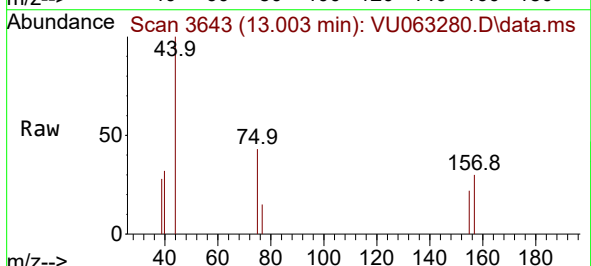
Tgt Ion: 75 Resp: 305

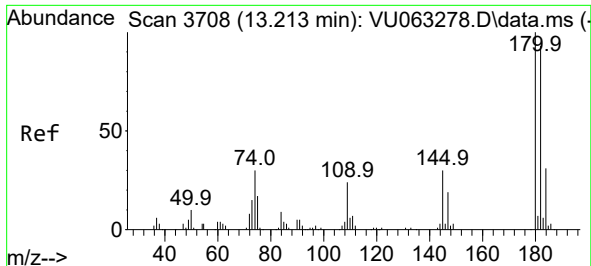
Ion Ratio Lower Upper

75 100

155 51.2 67.0 100.6#

157 69.8 80.9 121.3#

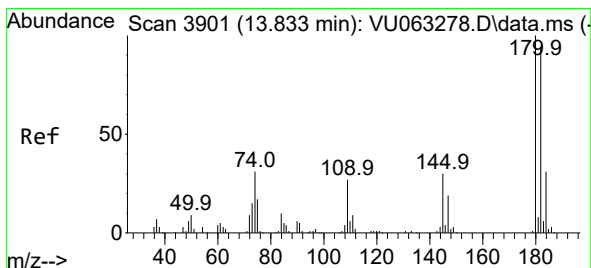
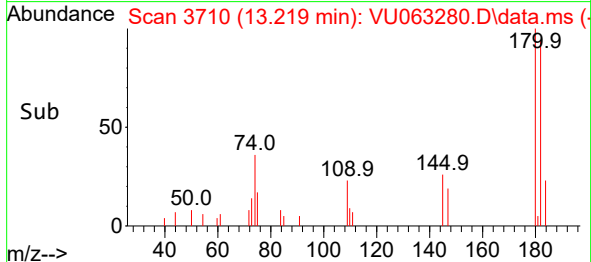
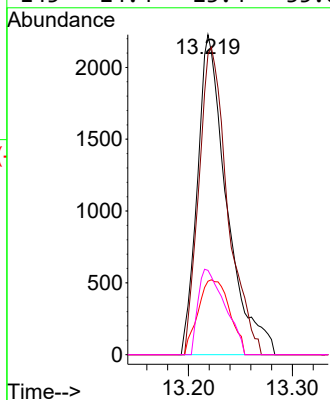
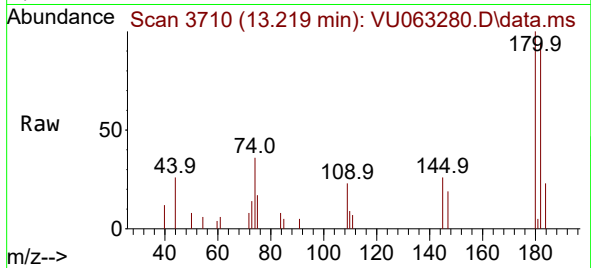




#69
 1,3,5-Trichlorobenzene
 Concen: 0.24 ug/L
 RT: 13.219 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: VU063280.D
 Acq: 13 Mar 2025 12:46

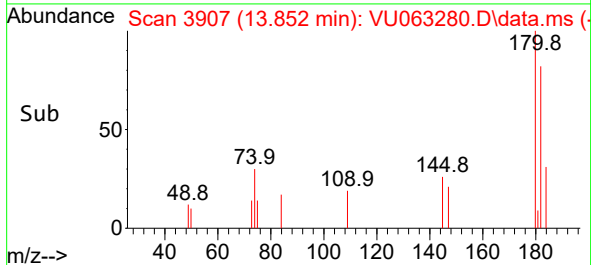
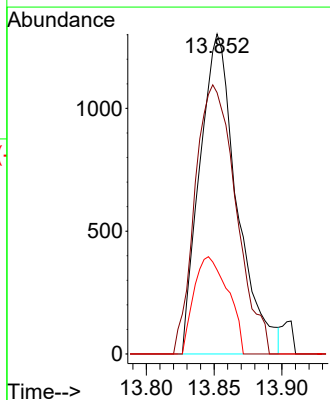
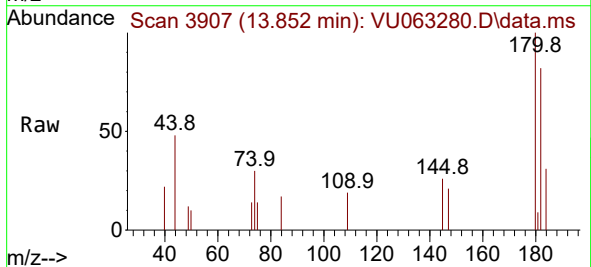
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT1-2025-01

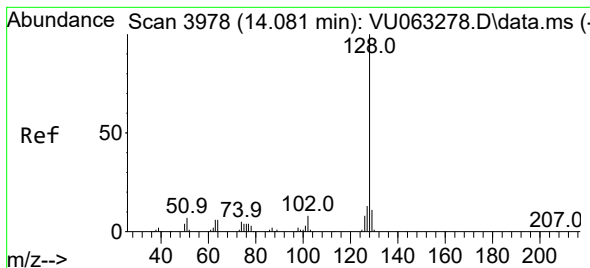
Tgt Ion:180 Resp: 4380
 Ion Ratio Lower Upper
 180 100
 182 93.9 77.6 116.4
 184 25.0 24.7 37.1
 145 24.4 23.4 35.0



#70
 1,2,4-trichlorobenzene
 Concen: 0.19 ug/L
 RT: 13.852 min Scan# 3907
 Delta R.T. 0.019 min
 Lab File: VU063280.D
 Acq: 13 Mar 2025 12:46

Tgt Ion:180 Resp: 2484
 Ion Ratio Lower Upper
 180 100
 182 92.9 75.8 113.8
 145 27.8 23.8 35.8





#71

Naphthalene

Concen: 0.19 ug/L

RT: 14.119 min Scan# 3990

Delta R.T. 0.038 min

Lab File: VU063280.D

Acq: 13 Mar 2025 12:46

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2025-01

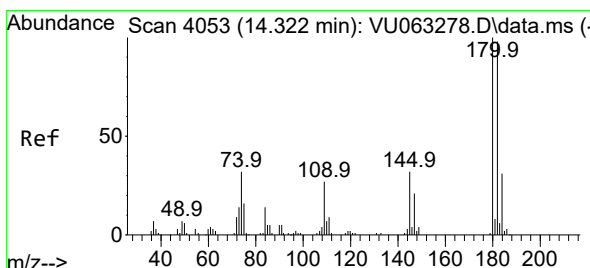
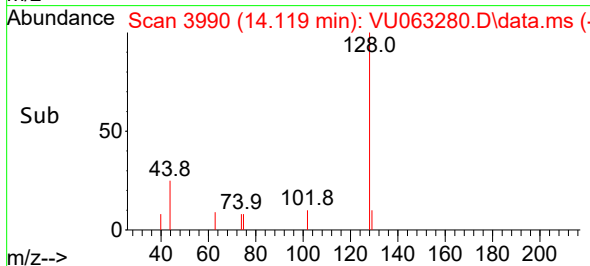
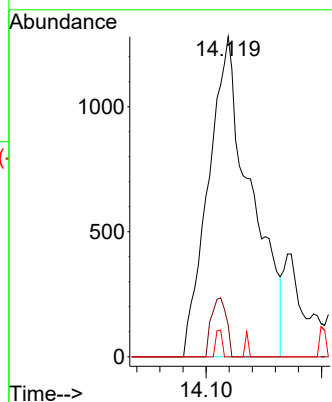
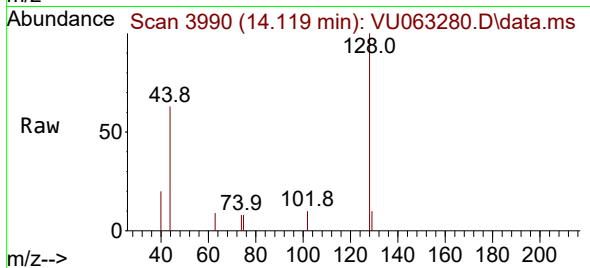
Tgt Ion:128 Resp: 3268

Ion Ratio Lower Upper

128 100

129 6.5 8.1 12.1#

127 1.3 10.8 16.2#



#72

1,2,3-Trichlorobenzene

Concen: 0.22 ug/L

RT: 14.338 min Scan# 4058

Delta R.T. 0.016 min

Lab File: VU063280.D

Acq: 13 Mar 2025 12:46

Tgt Ion:180 Resp: 2412

Ion Ratio Lower Upper

180 100

182 94.5 76.7 115.1

145 18.9 25.5 38.3#

