

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031825\
 Data File : VU063301.D
 Acq On : 18 Mar 2025 13:24
 Operator : MD/SY
 Sample : Q1546-02
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT1-2025-02

Quant Time: Mar 26 14:21:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 26 14:19:44 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	266062	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	265754	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	113263	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	104508	47.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.06%
7) Chloroethane-d5	1.891	69	88368	48.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.76%
11) 1,1-Dichloroethene-d2	2.551	63	143470	36.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.70%
21) 2-Butanone-d5	4.608	46	172459	107.48	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.48%
24) Chloroform-d	5.049	84	198370	47.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.50%
26) 1,2-Dichloroethane-d4	5.689	65	128135	49.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.94%
32) Benzene-d6	5.714	84	399022	47.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.72%
36) 1,2-Dichloropropane-d6	6.679	67	129854	47.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.74%
41) Toluene-d8	7.888	98	344521	46.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.96%
43) trans-1,3-Dichloroprop...	8.171	79	54853	45.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.34%
47) 2-Hexanone-d5	8.624	63	104361	101.43	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.43%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	192718	47.31	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.62%
66) 1,2-Dichlorobenzene-d4	12.184	152	117728	51.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.80%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	5509	2.47	ug/L	93
3) Chloromethane	1.518	50	7137	2.86	ug/L	91
5) Vinyl chloride	1.596	62	6982	2.74	ug/L #	76
6) Bromomethane	1.830	94	3249	2.27	ug/L	96
8) Chloroethane	1.917	64	4161	2.67	ug/L	93
9) Trichlorofluoromethane	2.123	101	7276	2.47	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.557	101	3420	1.90	ug/L #	80
12) 1,1-Dichloroethene	2.560	96	5113	2.97	ug/L #	1
13) Acetone	2.621	43	6924	6.35	ug/L	94
14) Carbon disulfide	2.779	76	15087	2.75	ug/L	99
15) Methyl Acetate	2.946	43	5832	2.44	ug/L #	100
17) trans-1,2-Dichloroethene	3.345	96	4505	2.47	ug/L	96
18) Methyl tert-butyl Ether	3.354	73	13794	2.37	ug/L	98
19) 1,1-Dichloroethane	3.856	63	8847	2.37	ug/L	98
23) Bromochloromethane	4.965	128	1551	1.45	ug/L	84
25) Chloroform	5.075	83	9509	2.53	ug/L	97
27) 1,2-Dichloroethane	5.788	62	7660	2.59	ug/L	97
29) Cyclohexane	5.377	56	6321	2.05	ug/L #	87
30) 1,1,1-Trichloroethane	5.306	97	7509	2.42	ug/L	100

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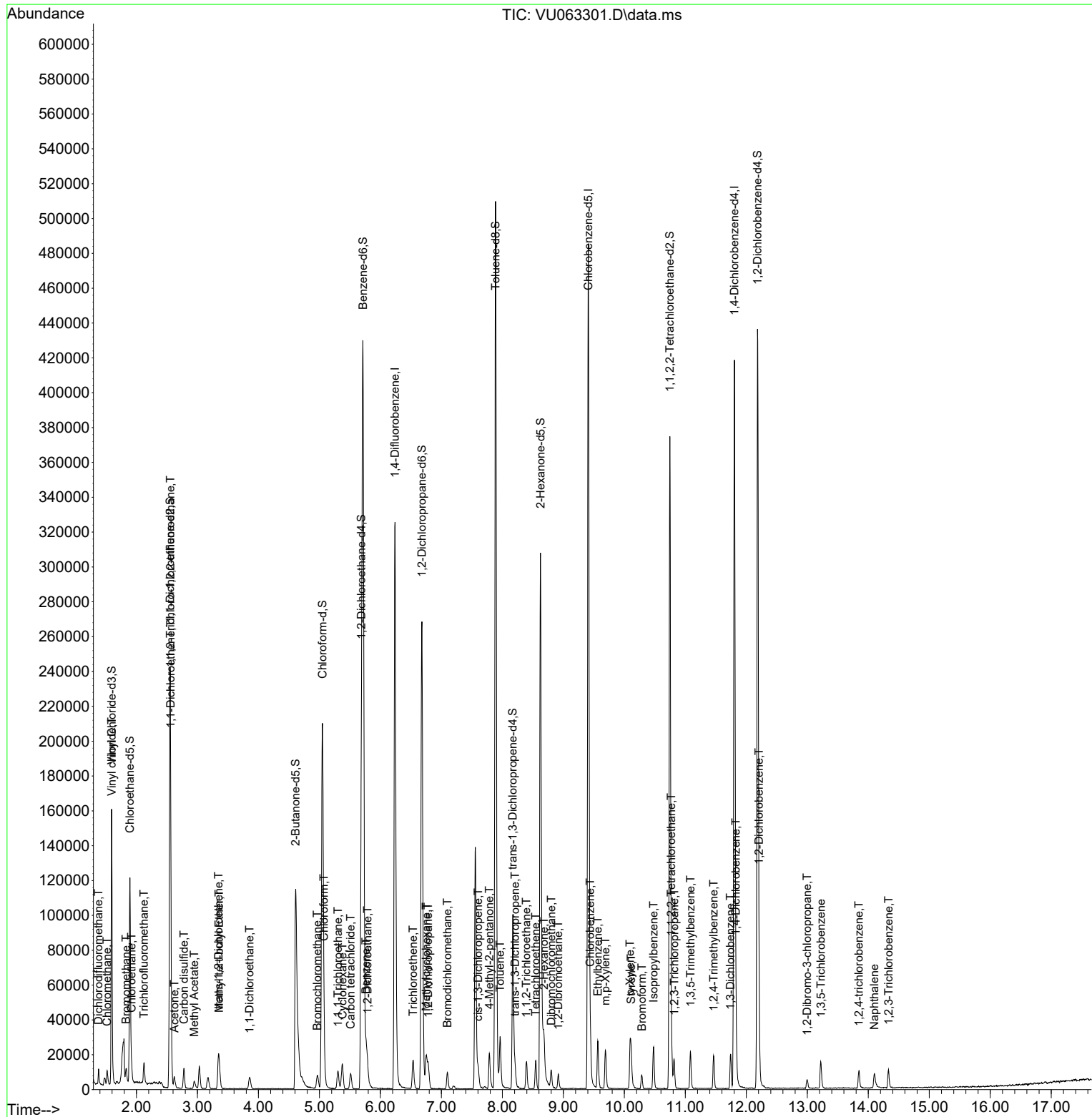
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
31) Carbon tetrachloride	5.512	117	6200	2.40	ug/L	96
33) Benzene	5.763	78	20583	2.46	ug/L	100
34) Trichloroethene	6.534	95	5456	2.56	ug/L	97
35) Methylcyclohexane	6.750	83	6990	2.29	ug/L #	86
37) 1,2-Dichloropropane	6.782	63	5924	2.52	ug/L #	93
38) Bromodichloromethane	7.097	83	7176	2.48	ug/L #	95
39) cis-1,3-Dichloropropene	7.602	75	7354	2.14	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	13251	4.34	ug/L	98
42) Toluene	7.962	91	20780	2.40	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	6719	2.11	ug/L	93
45) 1,1,2-Trichloroethane	8.393	97	5148	2.31	ug/L	97
46) Tetrachloroethene	8.544	164	3296	2.19	ug/L	88
48) 2-Hexanone	8.682	43	16091	6.91	ug/L	89
49) Dibromochloromethane	8.801	129	5120	2.37	ug/L	91
50) 1,2-Dibromoethane	8.917	107	5866	2.52	ug/L	94
51) Chlorobenzene	9.441	112	13148	2.41	ug/L	95
52) Ethylbenzene	9.563	91	19612	2.16	ug/L	90
53) m,p-Xylene	9.689	106	7002	2.09	ug/L	90
54) o-Xylene	10.094	106	6373	1.95	ug/L	99
55) Styrene	10.113	104	9746	1.81	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.769	83	9543	2.46	ug/L #	98
59) Bromoform	10.287	173	3621	2.42	ug/L #	97
60) 1,2,3-Trichloropropane	10.817	75	7114	2.71	ug/L	98
61) Isopropylbenzene	10.480	105	16379	2.20	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	11833	2.02	ug/L	95
63) 1,2,4-Trimethylbenzene	11.463	105	10786	1.92	ug/L	94
64) 1,3-Dichlorobenzene	11.740	146	8386	2.39	ug/L	95
65) 1,4-Dichlorobenzene	11.830	146	9487	2.66	ug/L	95
67) 1,2-Dichlorobenzene	12.206	146	9867	2.79	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.997	75	1799	2.62	ug/L #	76
69) 1,3,5-Trichlorobenzene	13.222	180	6559	2.78	ug/L	85
70) 1,2,4-trichlorobenzene	13.846	180	4201	2.30	ug/L	94
71) Naphthalene	14.097	128	10329	2.06	ug/L #	86
72) 1,2,3-Trichlorobenzene	14.331	180	3871	2.17	ug/L	90

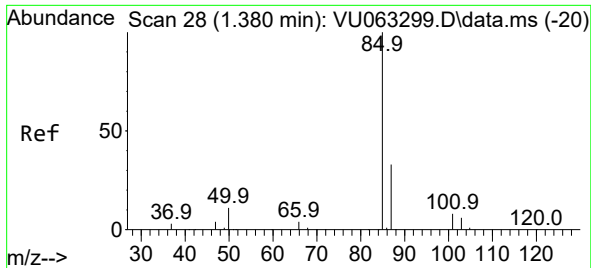
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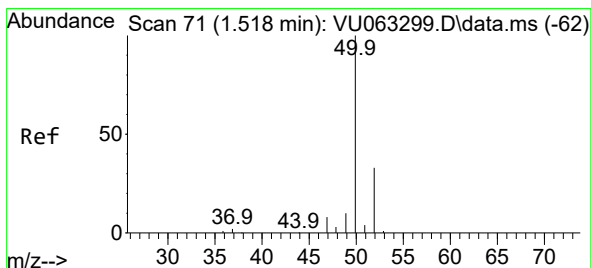
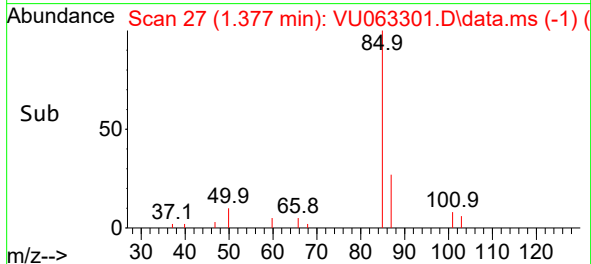
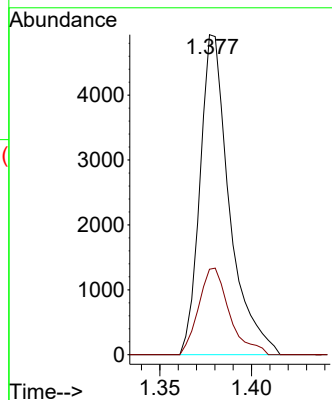
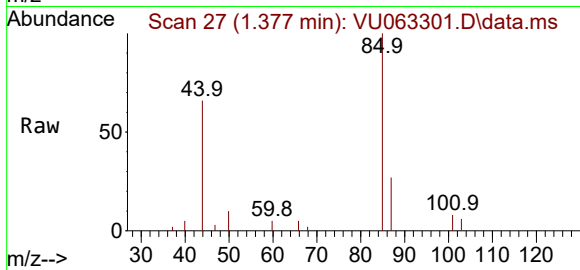




#2
Dichlorodifluoromethane
Concen: 2.47 ug/L
RT: 1.377 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063301.D
Acq: 18 Mar 2025 13:24

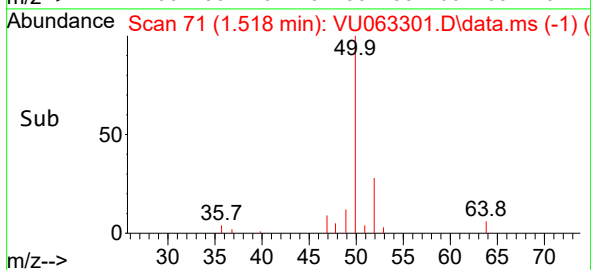
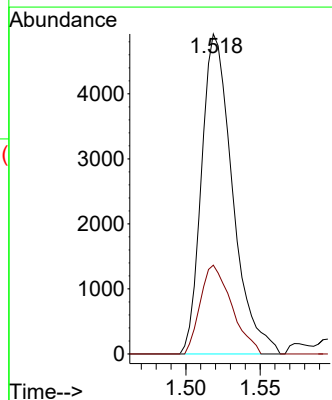
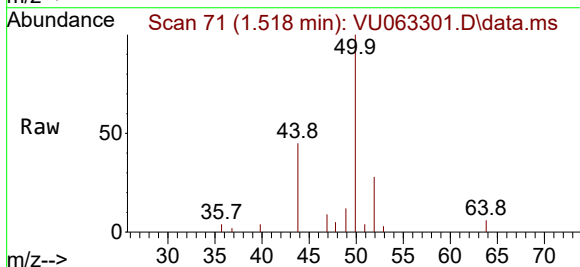
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-02

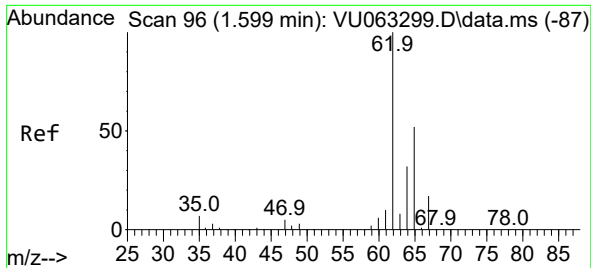
Tgt Ion: 85 Resp: 5509
Ion Ratio Lower Upper
85 100
87 28.3 25.8 38.6



#3
Chloromethane
Concen: 2.86 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU063301.D
Acq: 18 Mar 2025 13:24

Tgt Ion: 50 Resp: 7137
Ion Ratio Lower Upper
50 100
52 27.7 23.2 43.0

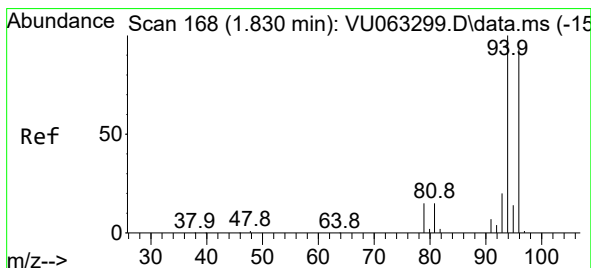
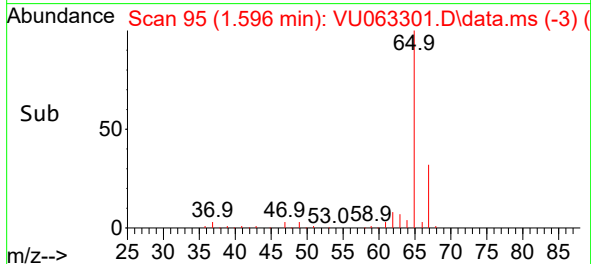
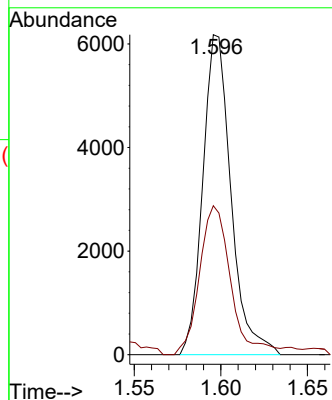
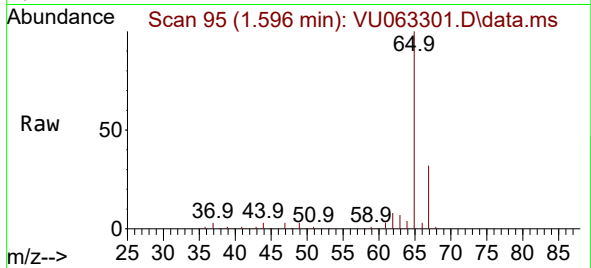




#5
 Vinyl chloride
 Concen: 2.74 ug/L
 RT: 1.596 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU063301.D
 Acq: 18 Mar 2025 13:24

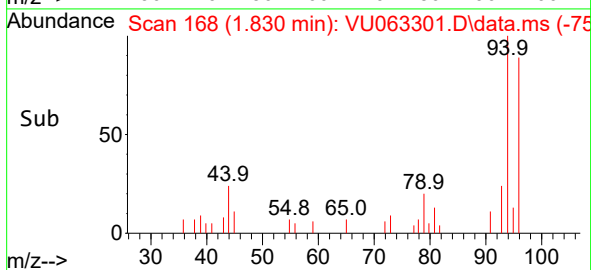
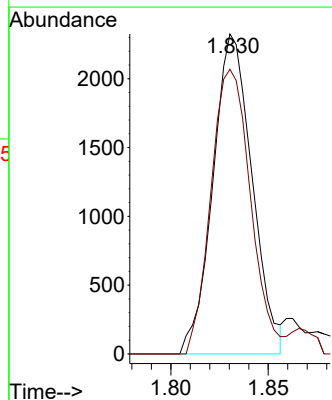
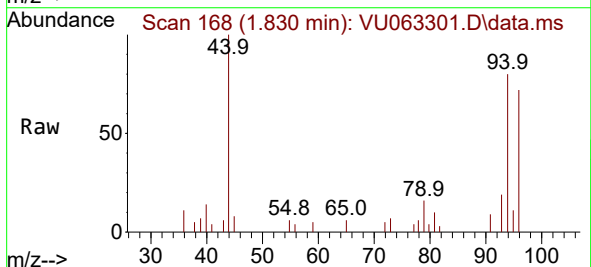
Instrument :
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 ClientSampleId :
 MDL-WATER-QT1-2025-02

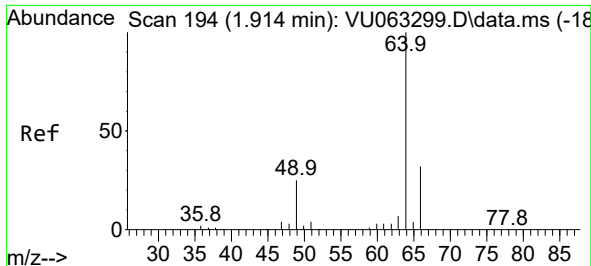
Tgt Ion: 62 Resp: 6982
 Ion Ratio Lower Upper
 62 100
 64 46.5 23.2 43.2#



#6
 Bromomethane
 Concen: 2.27 ug/L
 RT: 1.830 min Scan# 168
 Delta R.T. 0.000 min
 Lab File: VU063301.D
 Acq: 18 Mar 2025 13:24

Tgt Ion: 94 Resp: 3249
 Ion Ratio Lower Upper
 94 100
 96 89.0 65.2 121.2





#8

Chloroethane

Concen: 2.67 ug/L

RT: 1.917 min Scan# 194

Delta R.T. 0.003 min

Lab File: VU063301.D

Acq: 18 Mar 2025 13:24

Instrument :

MSVOA_U

ClientSampleId :

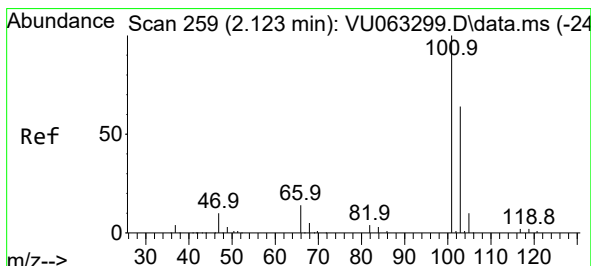
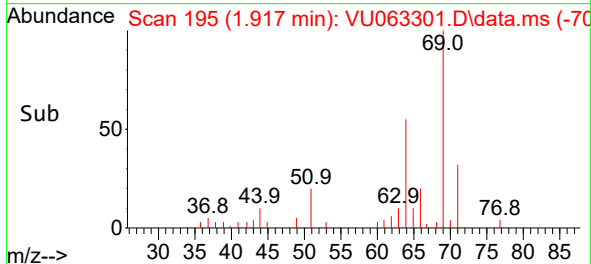
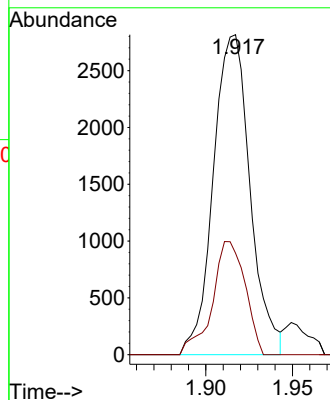
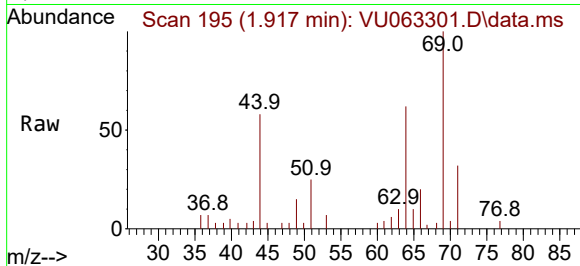
MDL-WATER-QT1-2025-02

Tgt Ion: 64 Resp: 4161

Ion Ratio Lower Upper

64 100

66 35.3 22.0 41.0



#9

Trichlorofluoromethane

Concen: 2.47 ug/L

RT: 2.123 min Scan# 259

Delta R.T. 0.000 min

Lab File: VU063301.D

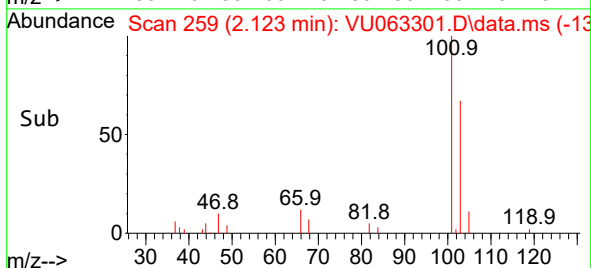
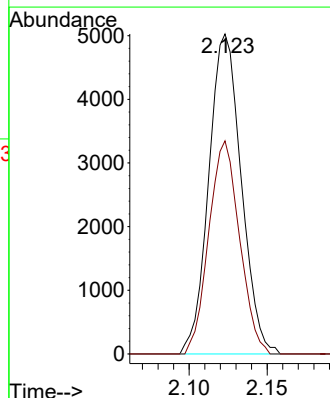
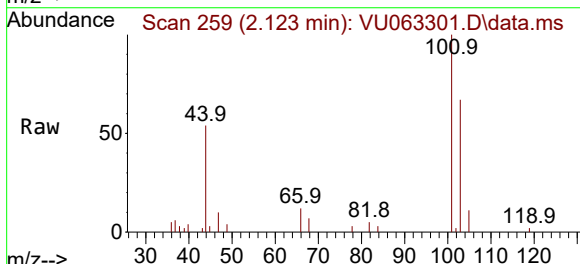
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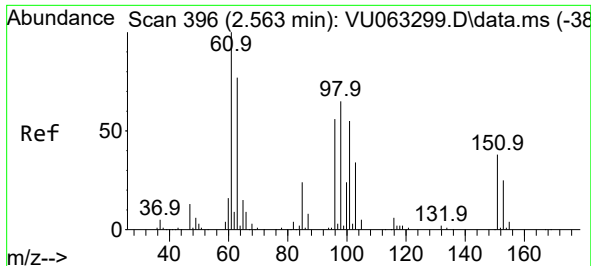
Tgt Ion:101 Resp: 7276

Ion Ratio Lower Upper

101 100

103 63.0 51.2 76.8

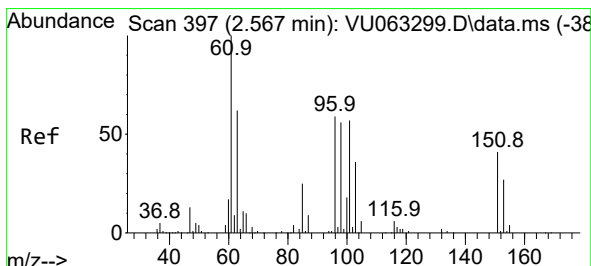
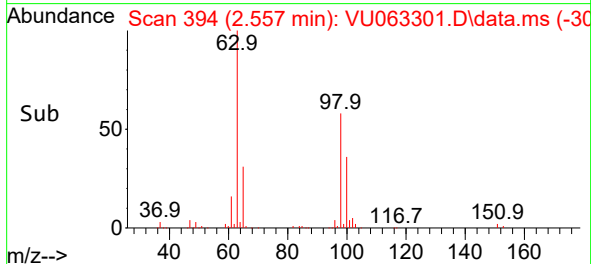
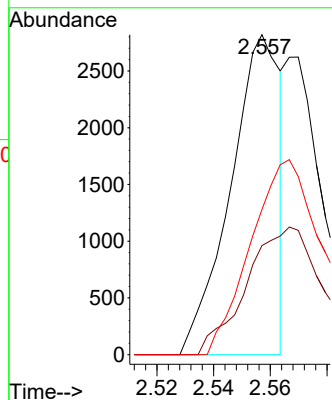
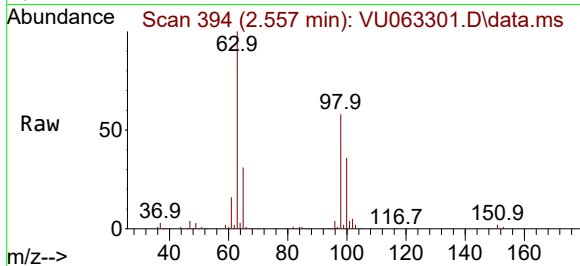




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.90 ug/L
RT: 2.557 min Scan# 394
Delta R.T. -0.006 min
Lab File: VU063301.D
Acq: 18 Mar 2025 13:24

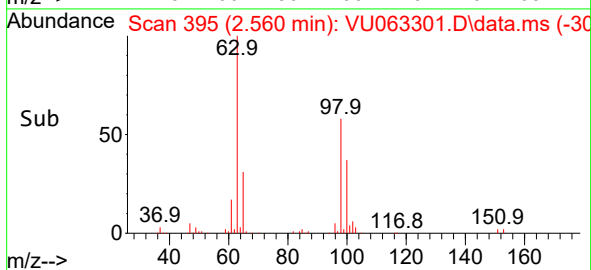
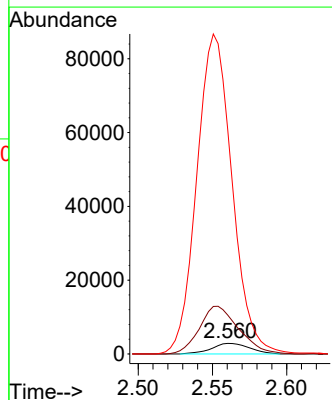
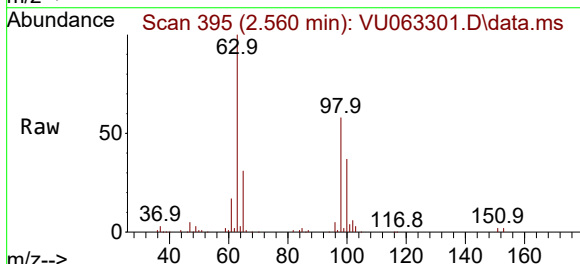
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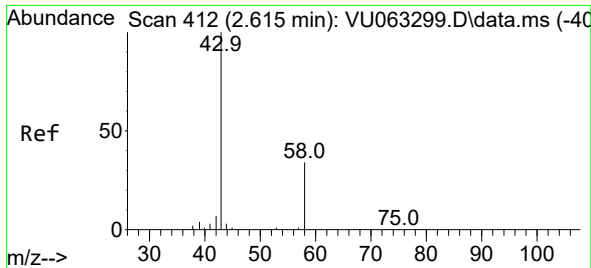
Tgt Ion:101 Resp: 3420
Ion Ratio Lower Upper
101 100
85 59.7 36.5 54.7#
151 87.5 57.4 86.0#



#12
1,1-Dichloroethene
Concen: 2.97 ug/L
RT: 2.560 min Scan# 395
Delta R.T. -0.006 min
Lab File: VU063301.D
Acq: 18 Mar 2025 13:24

Tgt Ion: 96 Resp: 5113
Ion Ratio Lower Upper
96 100
61 367.3 121.9 226.5#
63 2117.4 93.2 173.0#





#13

Acetone

Concen: 6.35 ug/L

RT: 2.621 min Scan# 412

Delta R.T. 0.007 min

Lab File: VU063301.D

Acq: 18 Mar 2025 13:24

Instrument :

MSVOA_U

ClientSampleId :

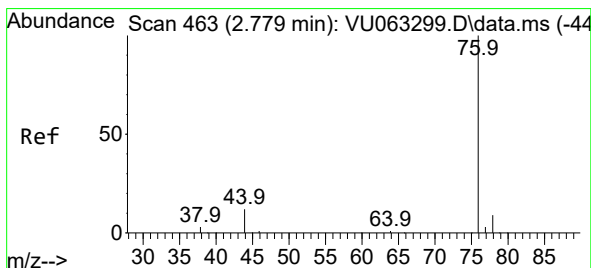
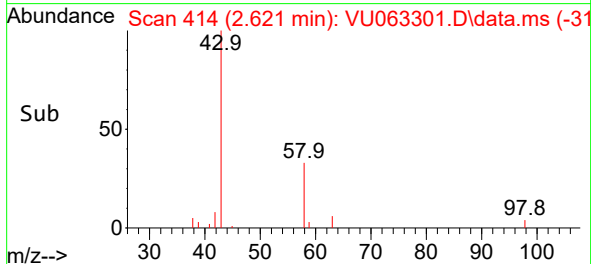
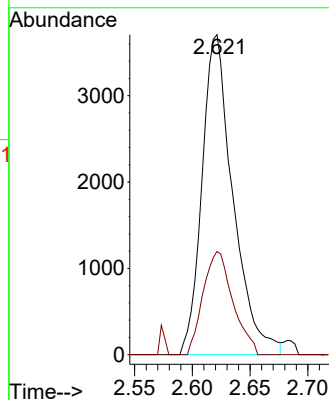
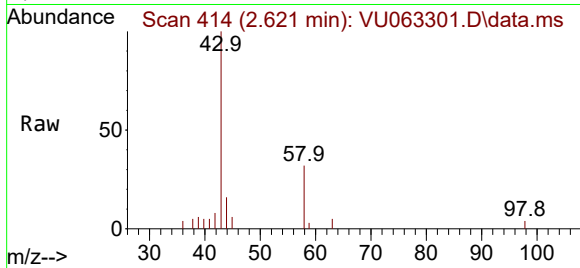
MDL-WATER-QT1-2025-02

Tgt Ion: 43 Resp: 6924

Ion Ratio Lower Upper

43 100

58 31.0 0.0 68.4



#14

Carbon disulfide

Concen: 2.75 ug/L

RT: 2.779 min Scan# 463

Delta R.T. 0.000 min

Lab File: VU063301.D

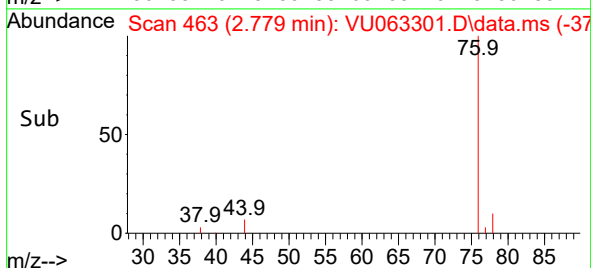
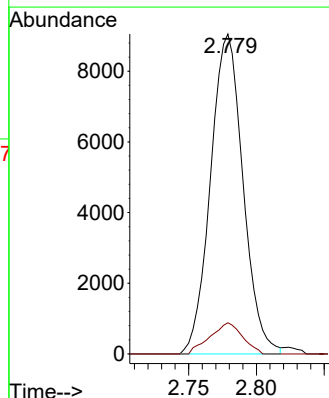
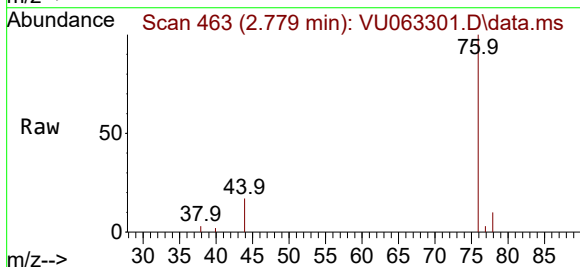
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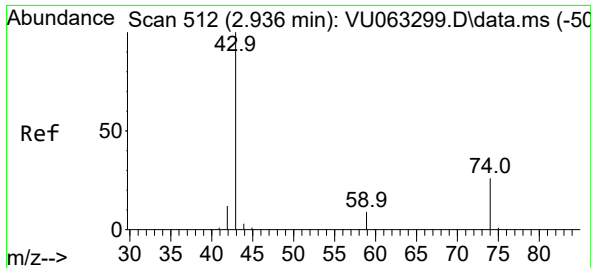
Tgt Ion: 76 Resp: 15087

Ion Ratio Lower Upper

76 100

78 9.8 7.4 11.2





#15

Methyl Acetate

Concen: 2.44 ug/L

RT: 2.946 min Scan# 512

Delta R.T. 0.010 min

Lab File: VU063301.D

Acq: 18 Mar 2025 13:24

Instrument :

MSVOA_U

ClientSampleId :

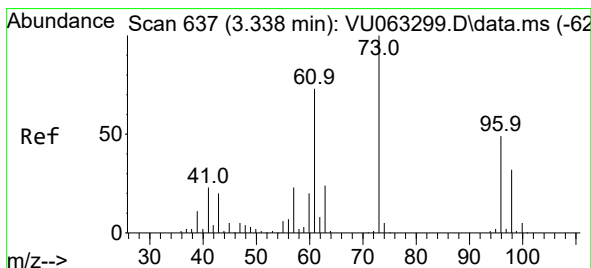
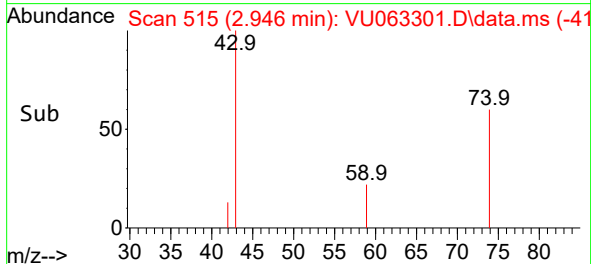
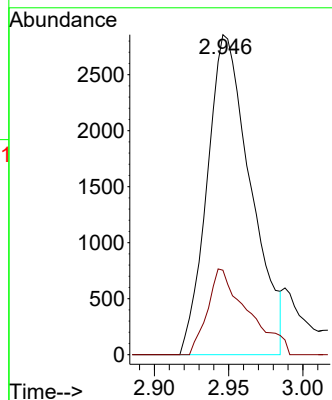
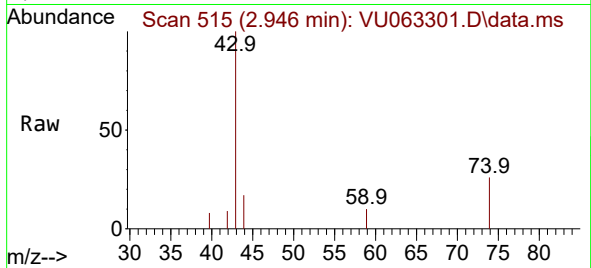
MDL-WATER-QT1-2025-02

Tgt Ion: 43 Resp: 5832

Ion Ratio Lower Upper

43 100

74 23.0 0.0 0.0#



#17

trans-1,2-Dichloroethene

Concen: 2.47 ug/L

RT: 3.345 min Scan# 639

Delta R.T. 0.007 min

Lab File: VU063301.D

Acq: 18 Mar 2025 13:24

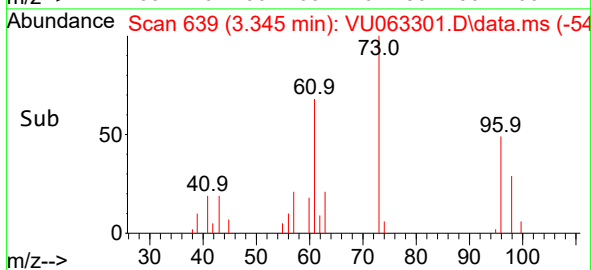
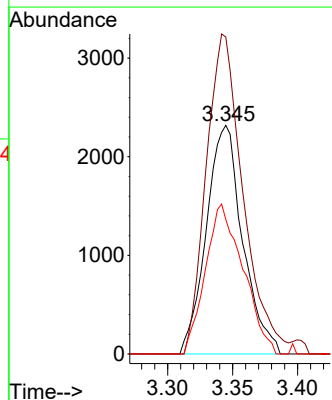
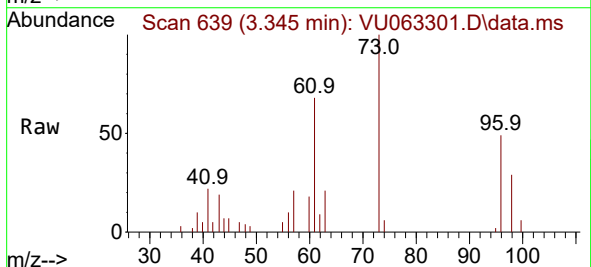
Tgt Ion: 96 Resp: 4505

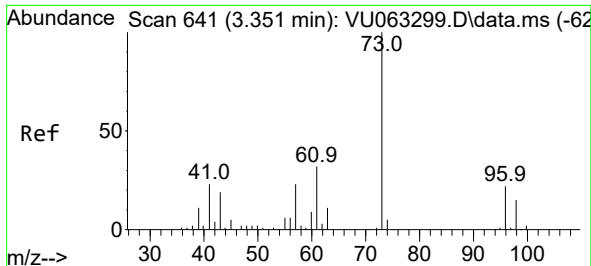
Ion Ratio Lower Upper

96 100

61 138.7 100.1 185.9

98 58.8 44.2 82.0

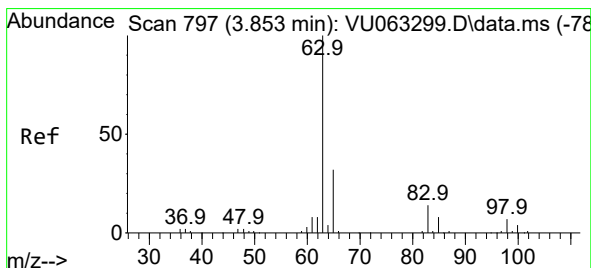
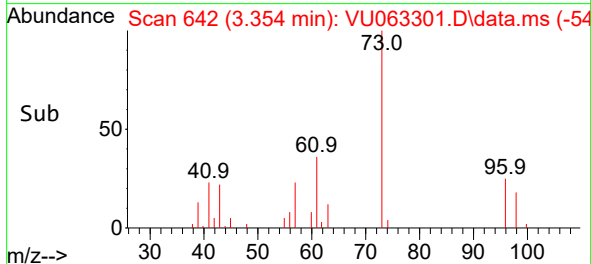
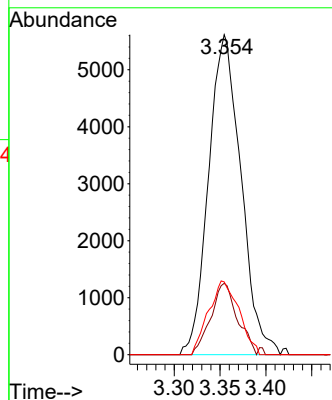
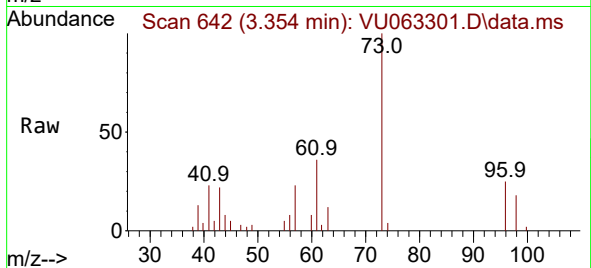




#18
Methyl tert-butyl Ether
Concen: 2.37 ug/L
RT: 3.354 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU063301.D
Acq: 18 Mar 2025 13:24

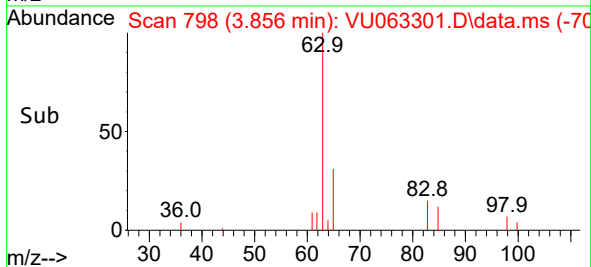
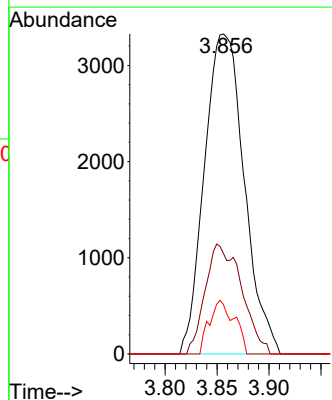
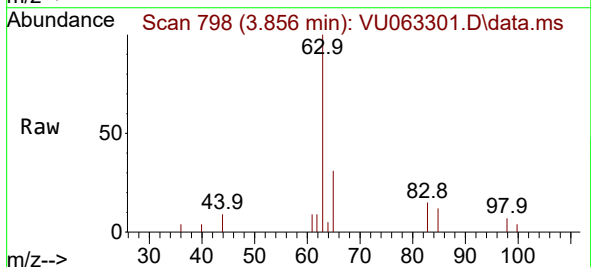
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-02

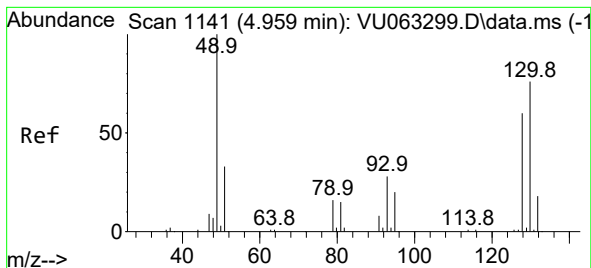
Tgt Ion: 73	Resp: 13794
Ion Ratio	Lower Upper
73 100	
43 18.3	15.4 23.2
57 21.7	18.3 27.5



#19
1,1-Dichloroethane
Concen: 2.37 ug/L
RT: 3.856 min Scan# 798
Delta R.T. 0.003 min
Lab File: VU063301.D
Acq: 18 Mar 2025 13:24

Tgt Ion: 63	Resp: 8847		
Ion Ratio	Lower	Upper	
63 100			
65 31.5	21.9	40.7	
83 15.5	9.0	16.6	





#23

Bromochloromethane

Concen: 1.45 ug/L

RT: 4.965 min Scan# 1141

Delta R.T. 0.007 min

Lab File: VU063301.D

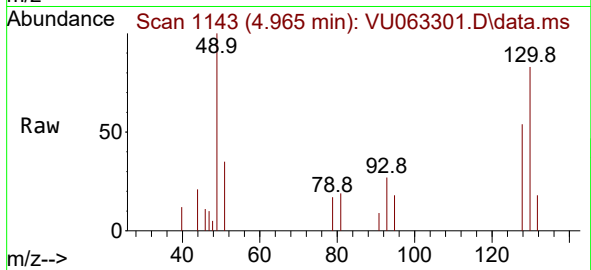
Acq: 18 Mar 2025 13:24

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2025-02



Tgt Ion:128 Resp: 1551

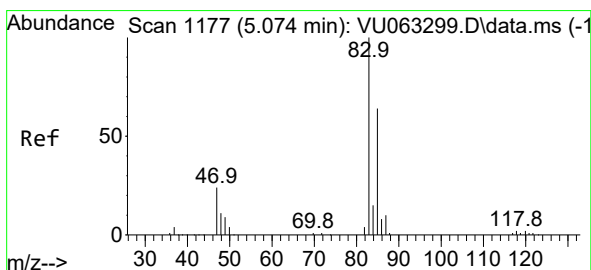
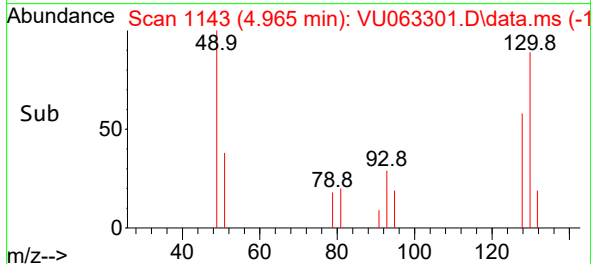
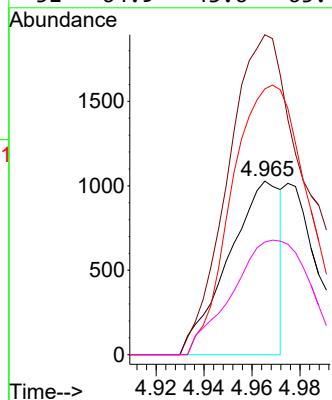
Ion Ratio Lower Upper

128 100

49 184.3 118.2 219.6

130 153.1 89.2 165.8

51 64.9 43.6 65.4



#25

Chloroform

Concen: 2.53 ug/L

RT: 5.075 min Scan# 1177

Delta R.T. 0.000 min

Lab File: VU063301.D

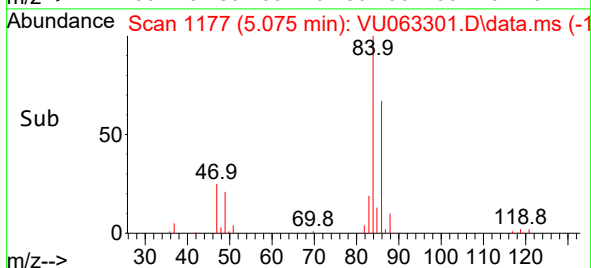
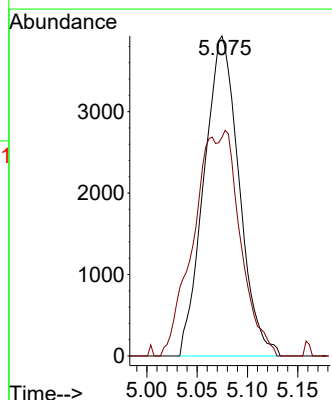
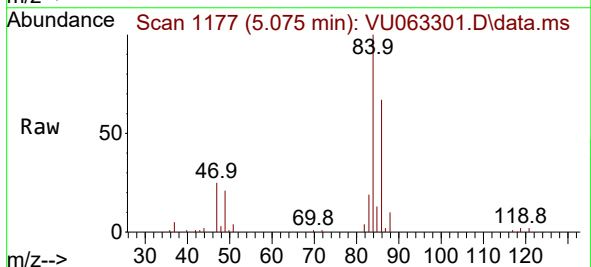
Acq: 18 Mar 2025 13:24

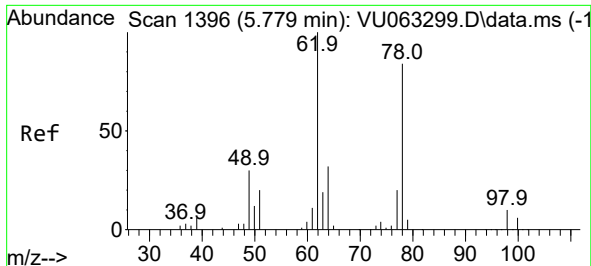
Tgt Ion: 83 Resp: 9509

Ion Ratio Lower Upper

83 100

85 68.3 45.9 85.3

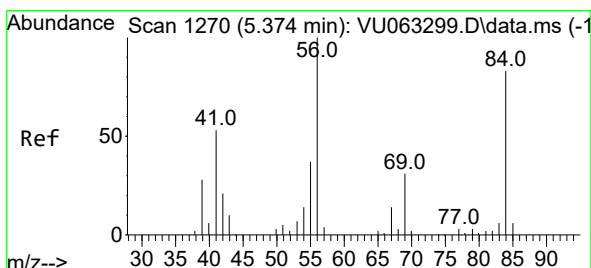
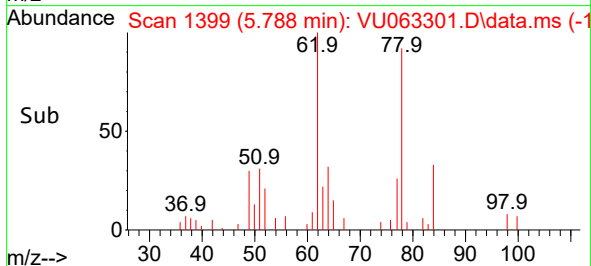
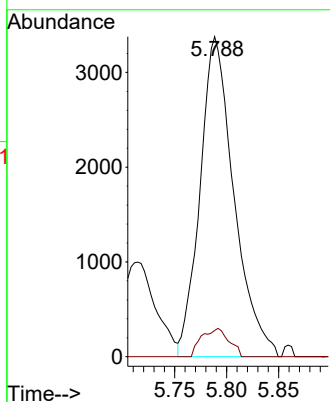
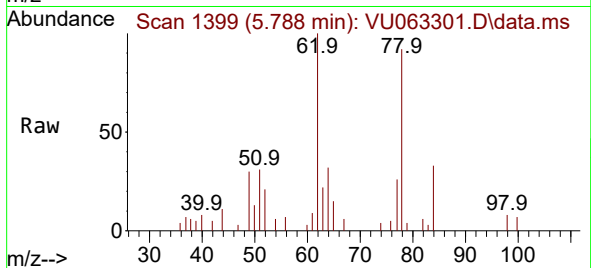




#27
1,2-Dichloroethane
Concen: 2.59 ug/L
RT: 5.788 min Scan# 11
Delta R.T. 0.010 min
Lab File: VU063301.D
Acq: 18 Mar 2025 13:24

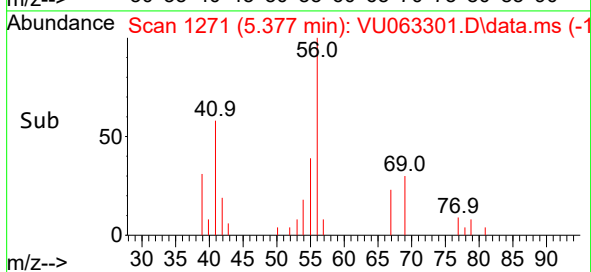
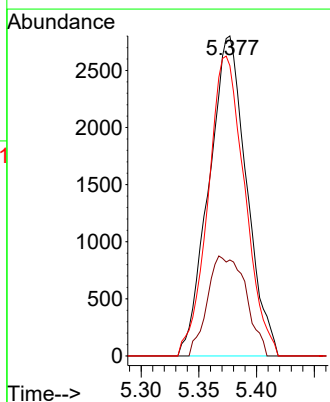
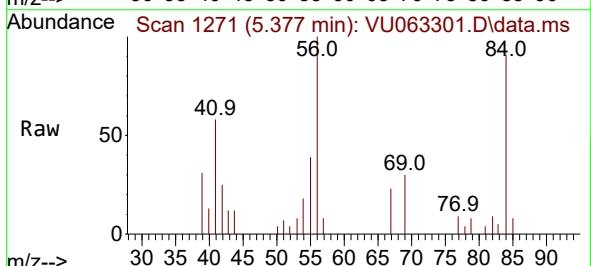
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-02

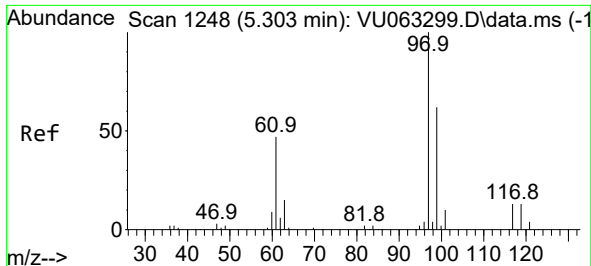
Tgt Ion: 62 Resp: 7660
Ion Ratio Lower Upper
62 100
98 8.2 7.5 11.3



#29
Cyclohexane
Concen: 2.05 ug/L
RT: 5.377 min Scan# 1271
Delta R.T. 0.003 min
Lab File: VU063301.D
Acq: 18 Mar 2025 13:24

Tgt Ion: 56 Resp: 6321
Ion Ratio Lower Upper
56 100
69 16.4 24.2 36.4#
84 91.6 67.2 100.8

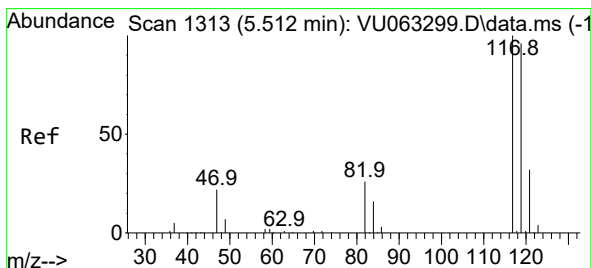
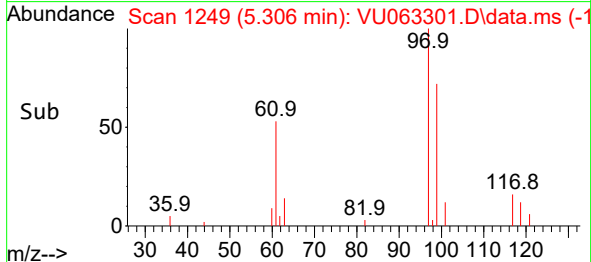
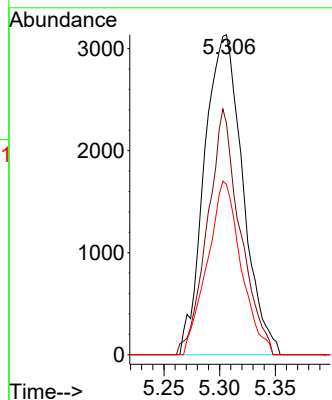
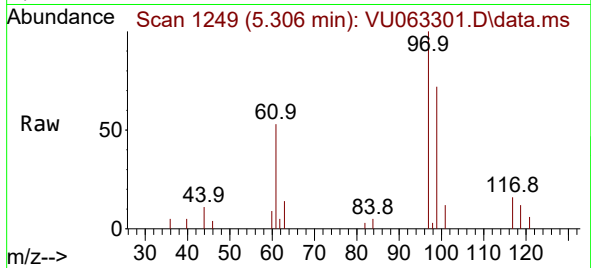




#30
1,1,1-Trichloroethane
Concen: 2.42 ug/L
RT: 5.306 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU063301.D
Acq: 18 Mar 2025 13:24

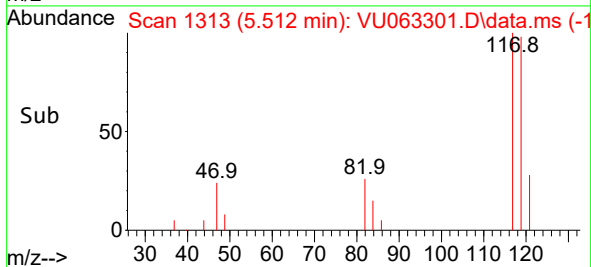
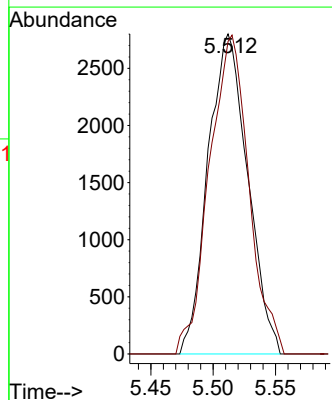
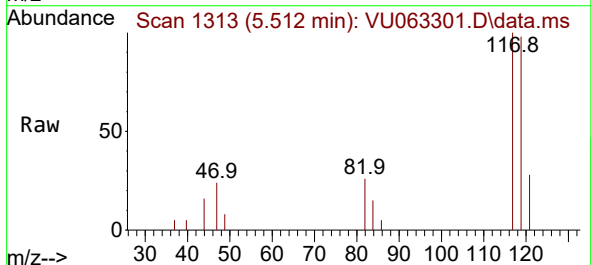
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-02

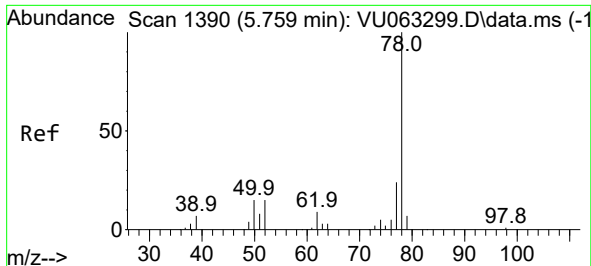
Tgt Ion: 97 Resp: 7509
Ion Ratio Lower Upper
97 100
99 65.4 52.1 78.1
61 47.8 38.6 57.8



#31
Carbon tetrachloride
Concen: 2.40 ug/L
RT: 5.512 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VU063301.D
Acq: 18 Mar 2025 13:24

Tgt Ion: 117 Resp: 6200
Ion Ratio Lower Upper
117 100
119 99.0 76.3 114.5

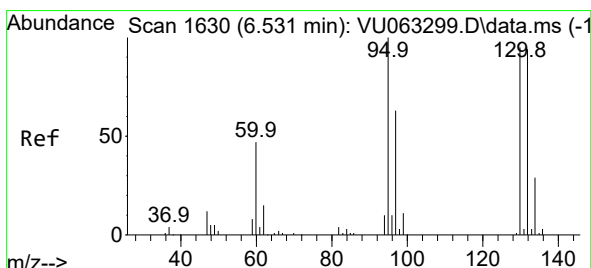
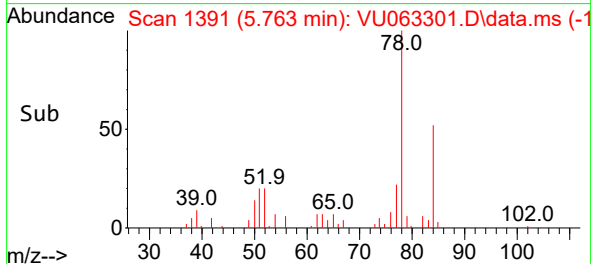
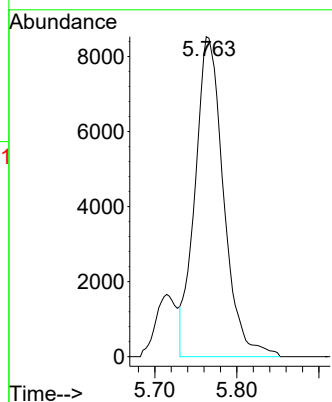
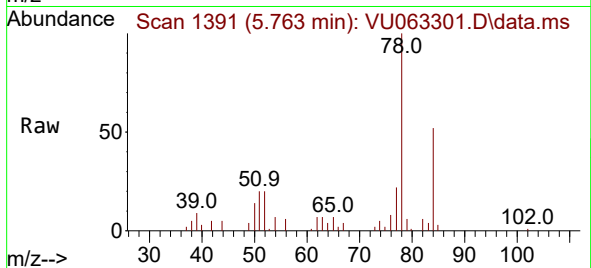




#33
Benzene
Concen: 2.46 ug/L
RT: 5.763 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU063301.D
Acq: 18 Mar 2025 13:24

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-02

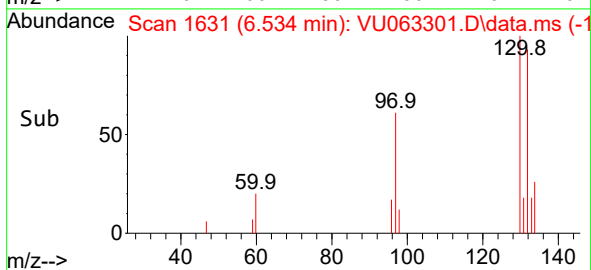
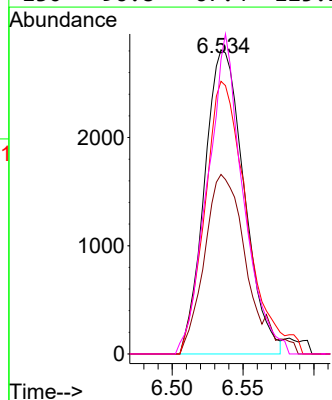
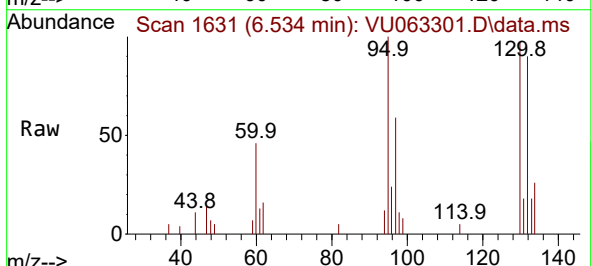
Tgt Ion: 78 Resp: 20583

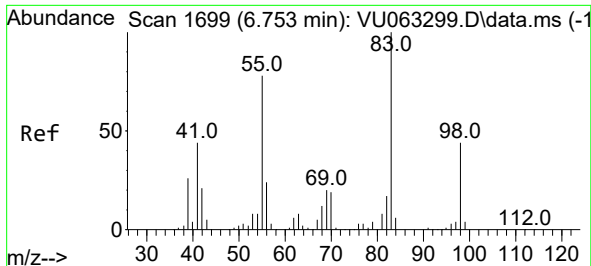


#34
Trichloroethene
Concen: 2.56 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. 0.003 min
Lab File: VU063301.D
Acq: 18 Mar 2025 13:24

Tgt Ion: 95 Resp: 5456

Ion	Ratio	Lower	Upper
95	100		
97	59.0	44.6	82.8
132	89.6	65.3	121.3
130	96.8	67.4	125.2

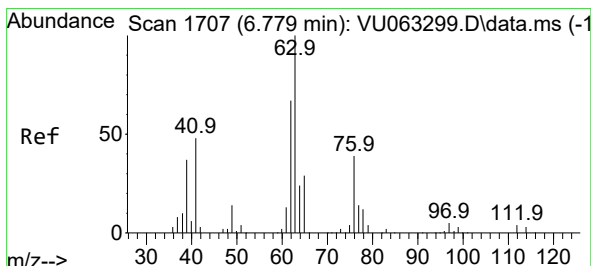
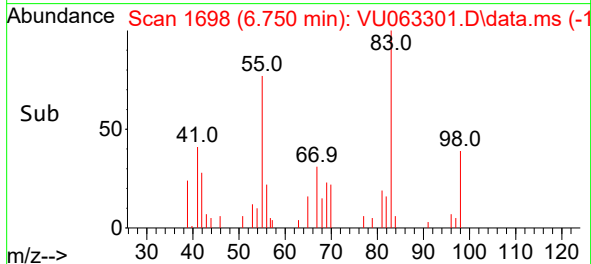
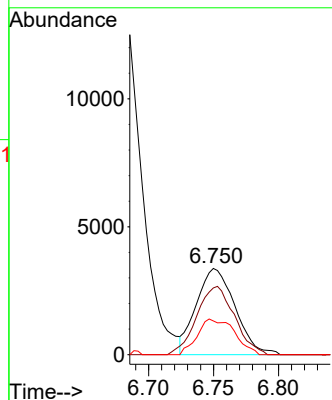
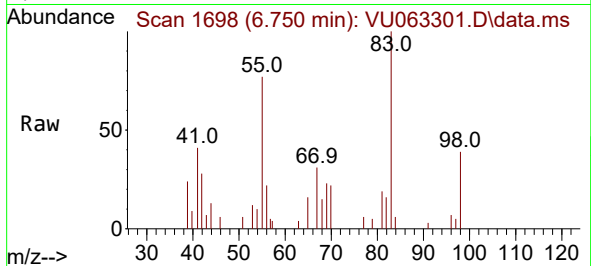




#35
Methylcyclohexane
Concen: 2.29 ug/L
RT: 6.750 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU063301.D
Acq: 18 Mar 2025 13:24

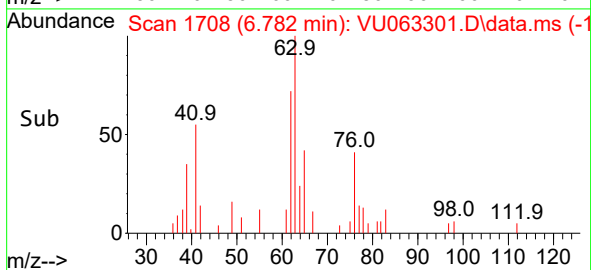
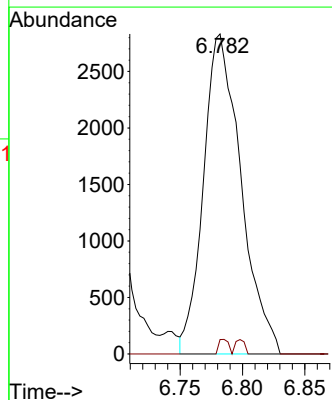
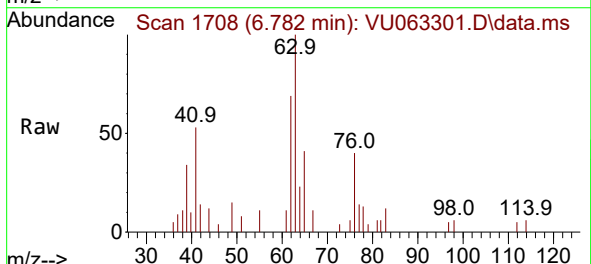
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ClientSampleId :
MDL-WATER-QT1-2025-02

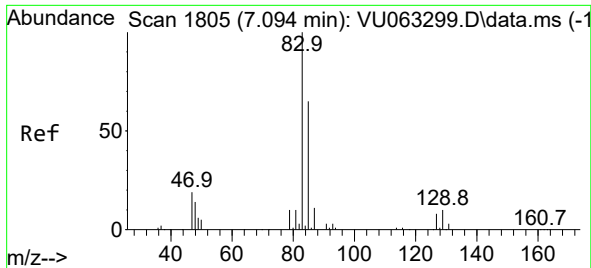
Tgt Ion: 83 Resp: 6990
Ion Ratio Lower Upper
83 100
55 77.3 63.4 95.2
98 22.0 35.2 52.8#



#37
1,2-Dichloropropane
Concen: 2.52 ug/L
RT: 6.782 min Scan# 1708
Delta R.T. 0.003 min
Lab File: VU063301.D
Acq: 18 Mar 2025 13:24

Tgt Ion: 63 Resp: 5924
Ion Ratio Lower Upper
63 100
112 1.2 2.9 4.3#

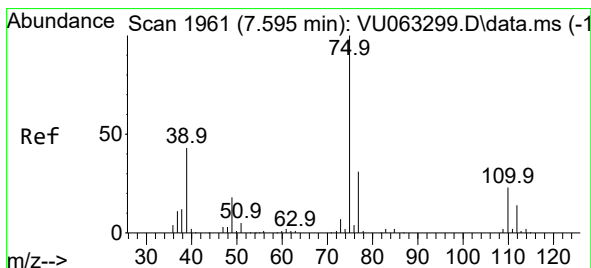
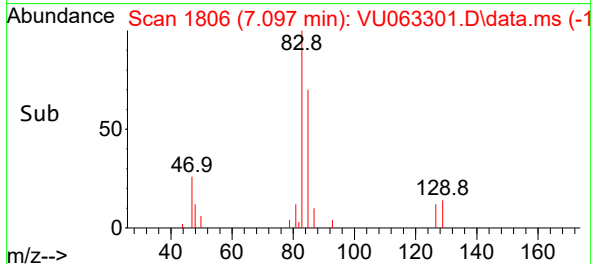
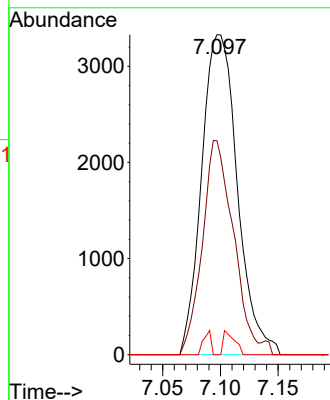
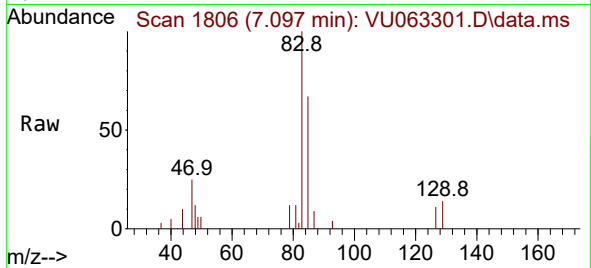




#38
Bromodichloromethane
Concen: 2.48 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.003 min
Lab File: VU063301.D
Acq: 18 Mar 2025 13:24

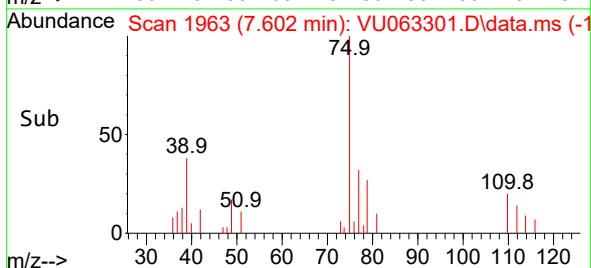
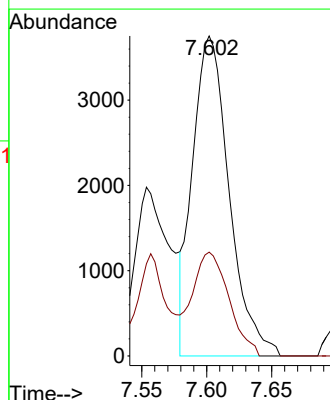
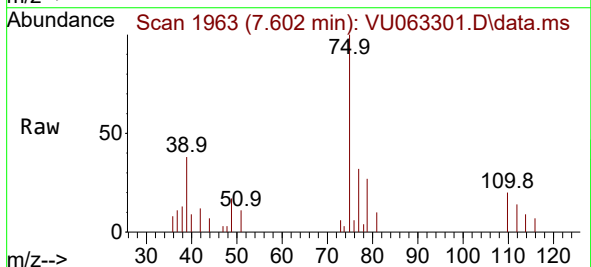
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-02

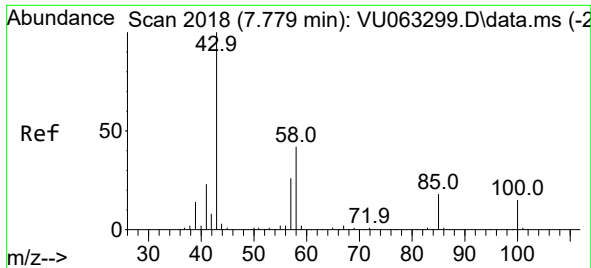
Tgt Ion: 83 Resp: 7176
Ion Ratio Lower Upper
83 100
85 66.8 45.3 84.1
127 0.0 6.0 9.0#



#39
cis-1,3-Dichloropropene
Concen: 2.14 ug/L
RT: 7.602 min Scan# 1963
Delta R.T. 0.007 min
Lab File: VU063301.D
Acq: 18 Mar 2025 13:24

Tgt Ion: 75 Resp: 7354
Ion Ratio Lower Upper
75 100
77 32.4 22.7 42.3

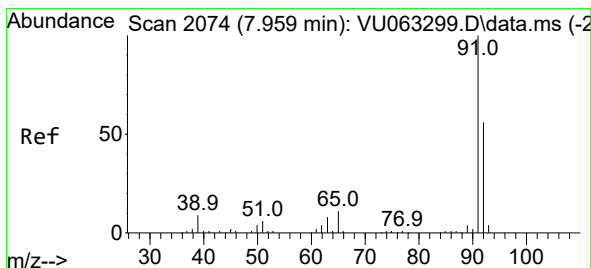
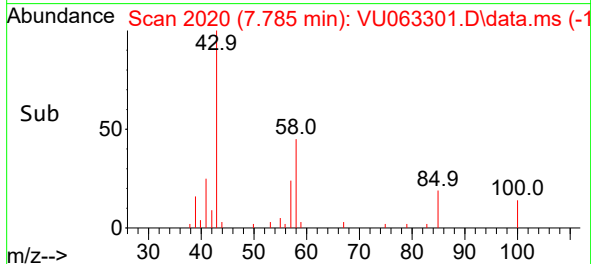
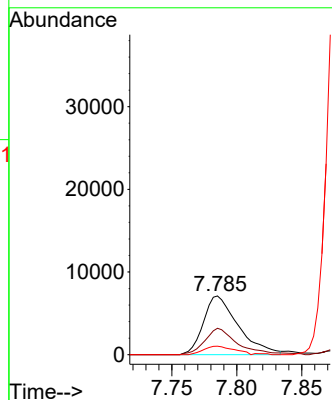
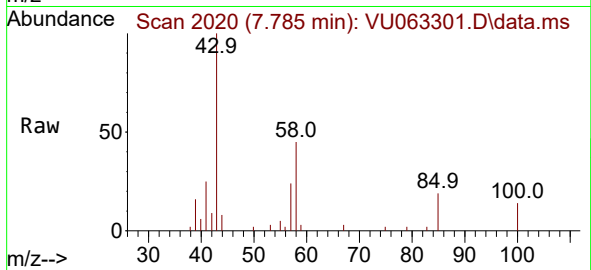




#40
4-Methyl-2-pentanone
Concen: 4.34 ug/L
RT: 7.785 min Scan# 2018
Delta R.T. 0.007 min
Lab File: VU063301.D
Acq: 18 Mar 2025 13:24

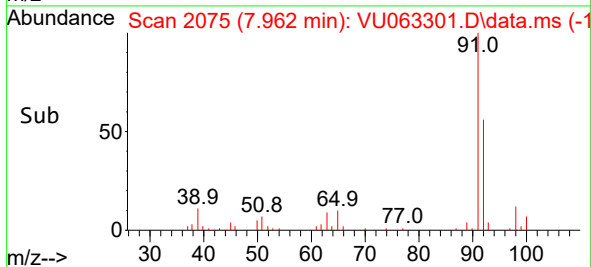
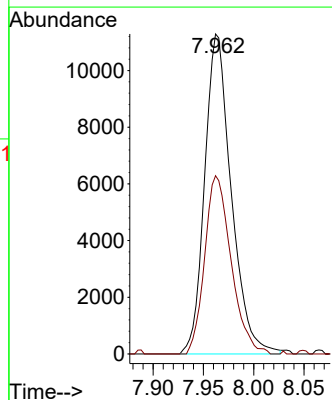
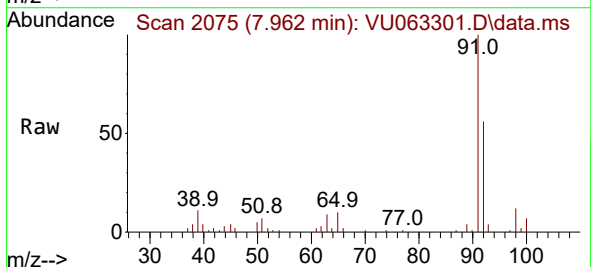
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-02

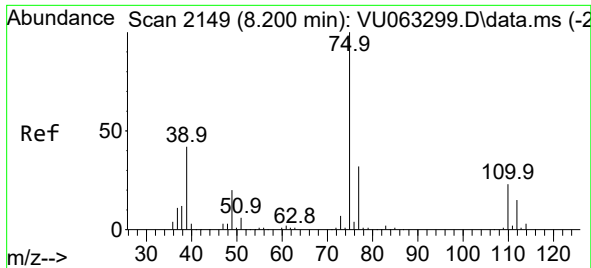
Tgt Ion: 43 Resp: 13251
Ion Ratio Lower Upper
43 100
58 40.9 33.0 49.6
100 12.7 11.9 17.9



#42
Toluene
Concen: 2.40 ug/L
RT: 7.962 min Scan# 2075
Delta R.T. 0.003 min
Lab File: VU063301.D
Acq: 18 Mar 2025 13:24

Tgt Ion: 91 Resp: 20780
Ion Ratio Lower Upper
91 100
92 55.7 39.9 74.1

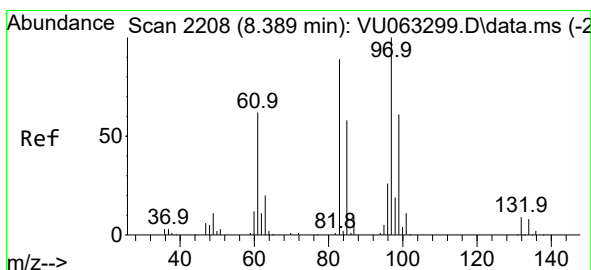
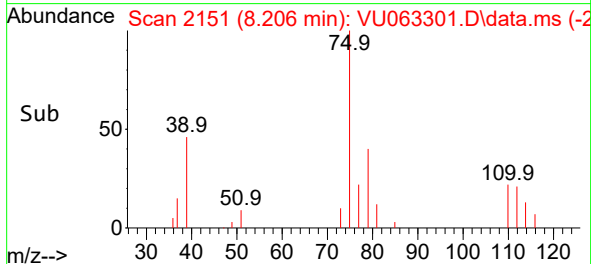
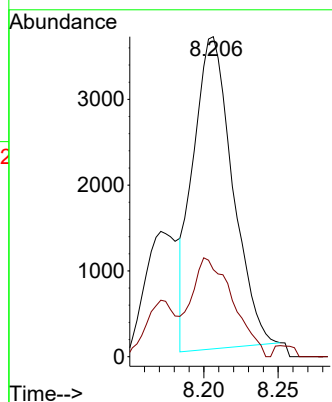
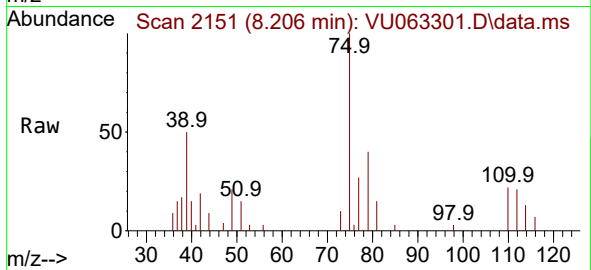




#44
trans-1,3-Dichloropropene
Concen: 2.11 ug/L
RT: 8.206 min Scan# 2149
Delta R.T. 0.007 min
Lab File: VU063301.D
Acq: 18 Mar 2025 13:24

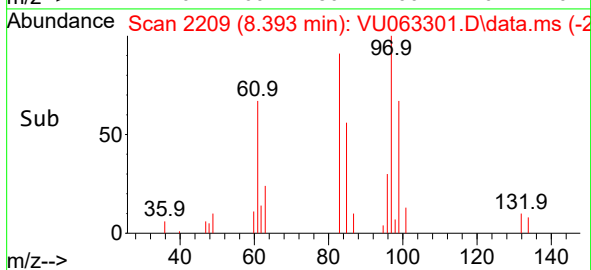
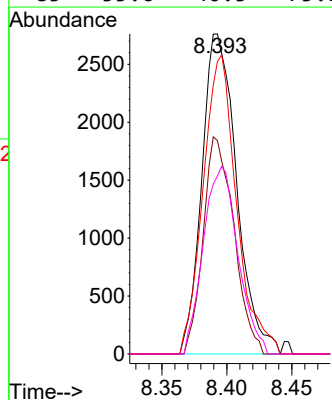
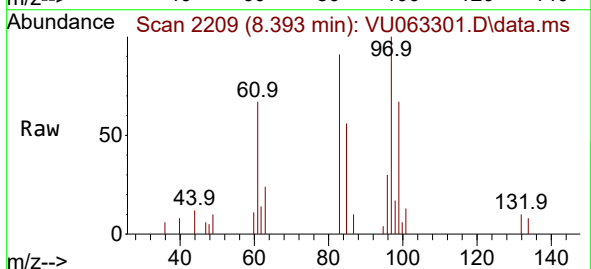
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-02

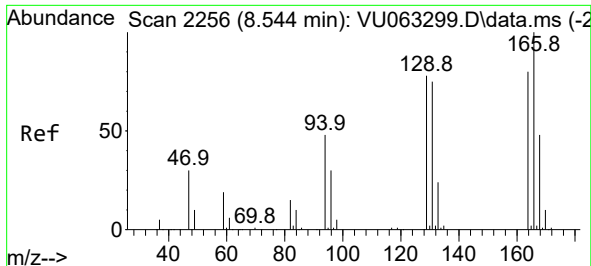
Tgt Ion: 75 Resp: 6719
Ion Ratio Lower Upper
75 100
77 27.2 21.7 40.3



#45
1,1,2-Trichloroethane
Concen: 2.31 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.003 min
Lab File: VU063301.D
Acq: 18 Mar 2025 13:24

Tgt Ion: 97 Resp: 5148
Ion Ratio Lower Upper
97 100
99 66.7 44.4 82.4
83 91.4 63.3 117.5
85 55.6 40.5 75.1



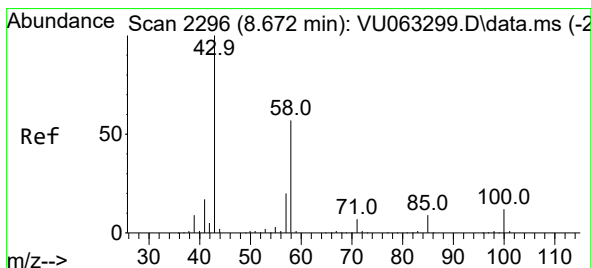
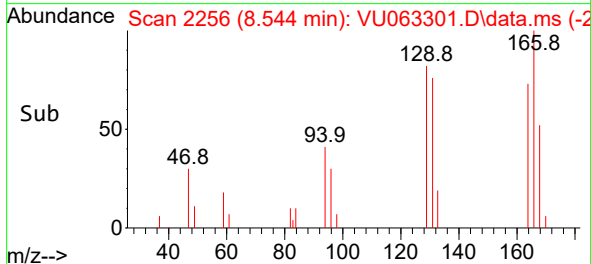
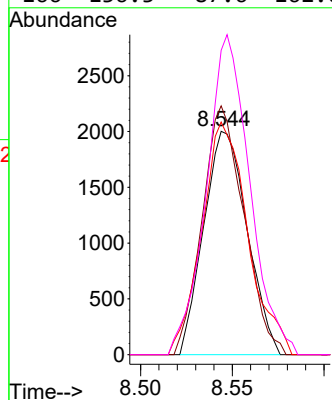
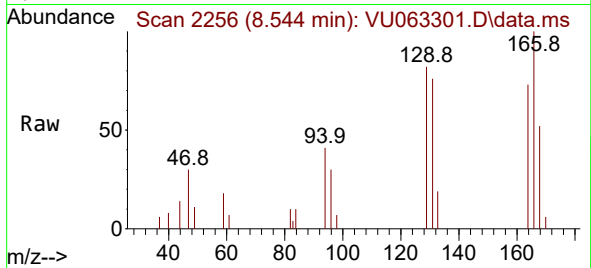


#46
Tetrachloroethene
Concen: 2.19 ug/L
RT: 8.544 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063301.D
Acq: 18 Mar 2025 13:24

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-02

Tgt Ion:164 Resp: 3296

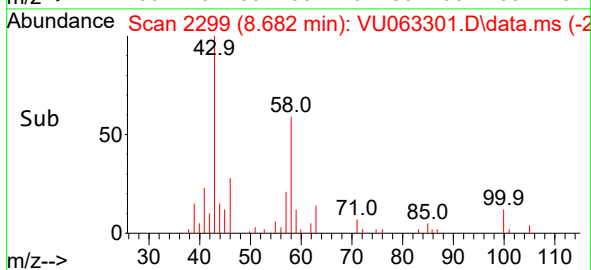
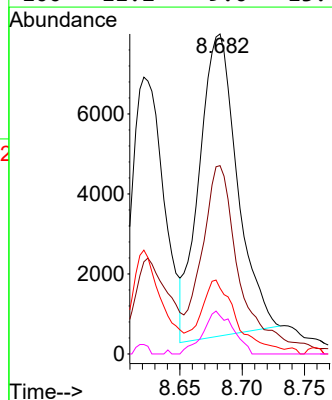
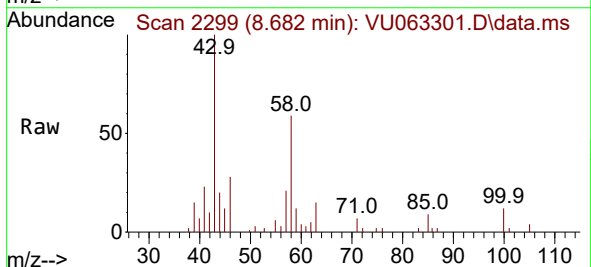
Ion	Ratio	Lower	Upper
164	100		
129	111.4	67.8	125.8
131	104.1	64.3	119.5
166	136.3	87.6	162.6

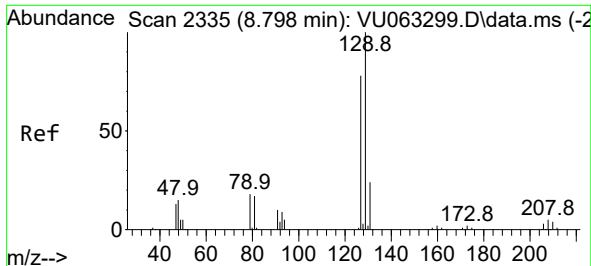


#48
2-Hexanone
Concen: 6.91 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.010 min
Lab File: VU063301.D
Acq: 18 Mar 2025 13:24

Tgt Ion: 43 Resp: 16091

Ion	Ratio	Lower	Upper
43	100		
58	47.5	46.6	69.8
57	23.0	15.8	23.6
100	11.2	9.0	13.4

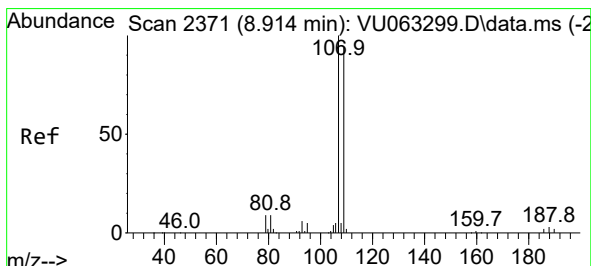
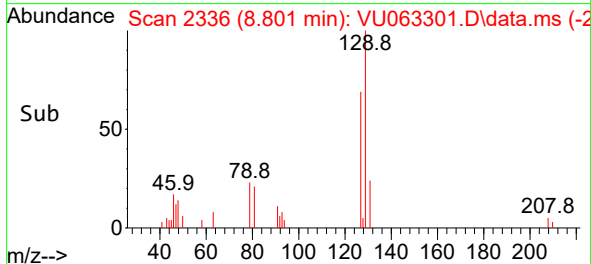
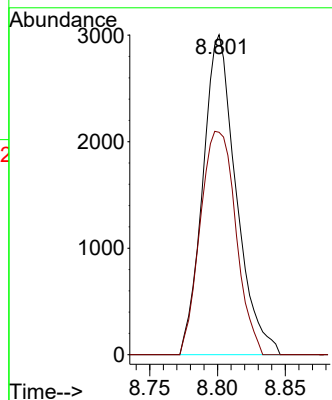
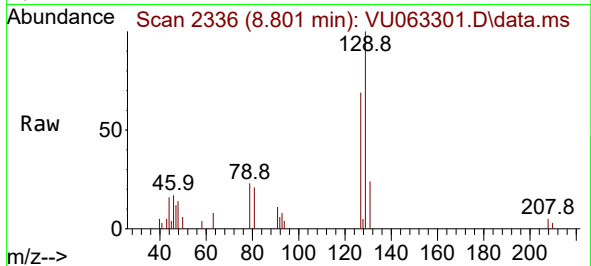




#49
Dibromochloromethane
Concen: 2.37 ug/L
RT: 8.801 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063301.D
Acq: 18 Mar 2025 13:24

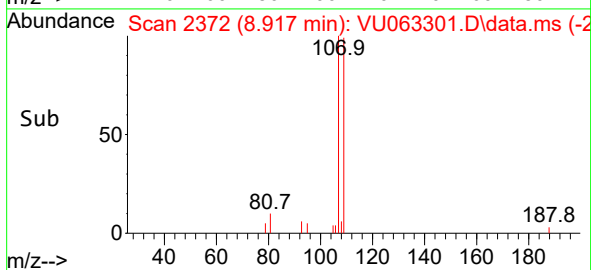
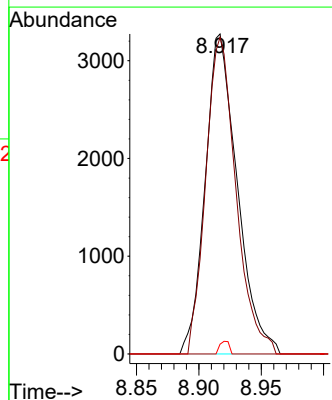
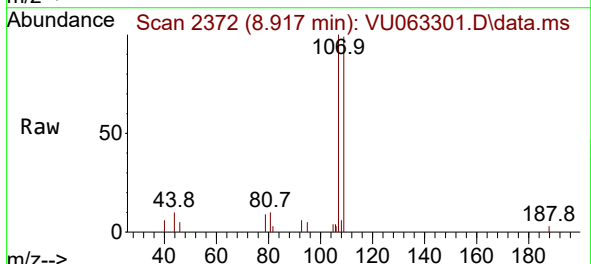
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-02

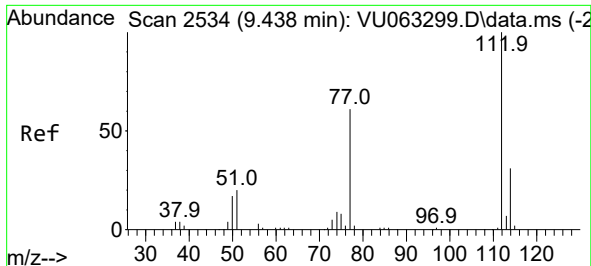
Tgt Ion:129 Resp: 5120
Ion Ratio Lower Upper
129 100
127 69.5 54.0 100.4



#50
1,2-Dibromoethane
Concen: 2.52 ug/L
RT: 8.917 min Scan# 2372
Delta R.T. 0.003 min
Lab File: VU063301.D
Acq: 18 Mar 2025 13:24

Tgt Ion:107 Resp: 5866
Ion Ratio Lower Upper
107 100
109 98.9 65.2 121.0
188 3.1 2.5 3.7

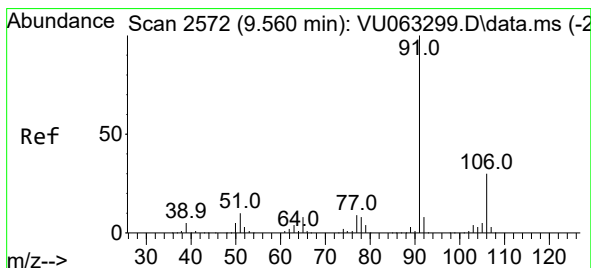
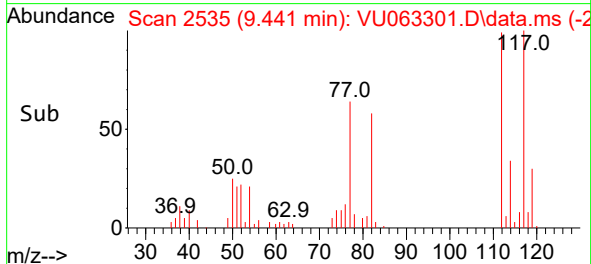
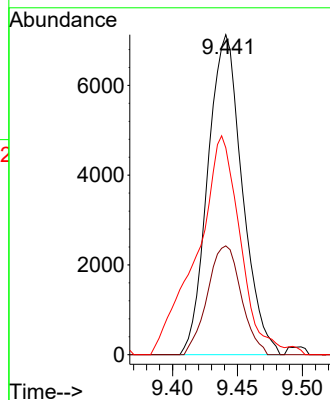
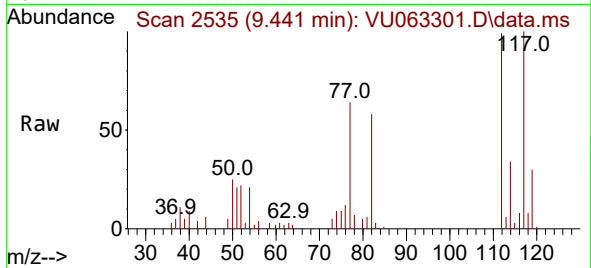




#51
Chlorobenzene
Concen: 2.41 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.003 min
Lab File: VU063301.D
Acq: 18 Mar 2025 13:24

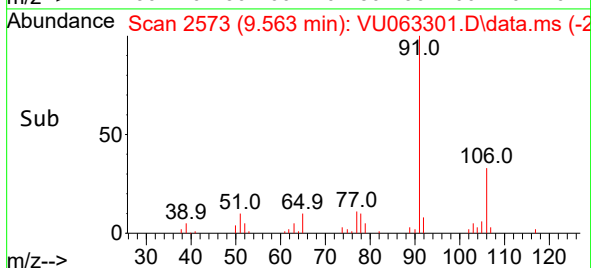
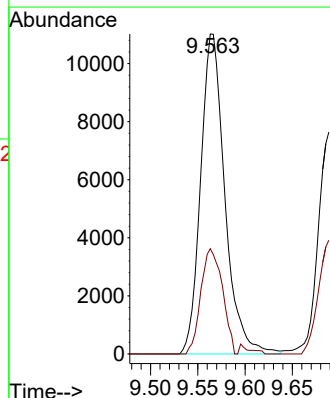
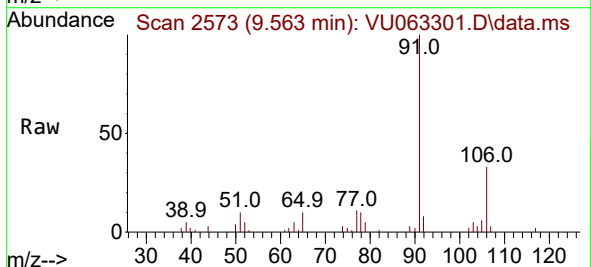
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT1-2025-02

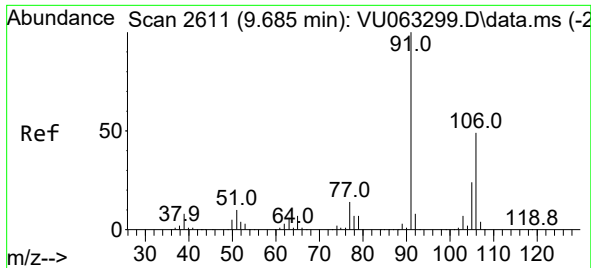
Tgt Ion:112 Resp: 13148
Ion Ratio Lower Upper
112 100
114 34.0 22.3 41.5
77 64.6 48.7 73.1



#52
Ethylbenzene
Concen: 2.16 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.003 min
Lab File: VU063301.D
Acq: 18 Mar 2025 13:24

Tgt Ion: 91 Resp: 19612
Ion Ratio Lower Upper
91 100
106 35.9 21.5 39.9

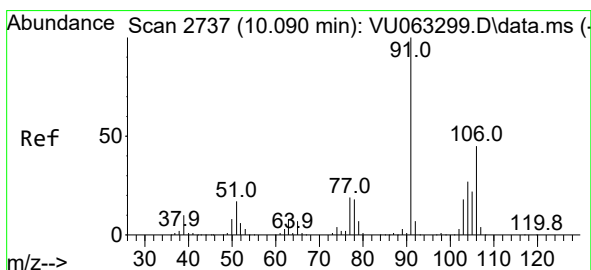
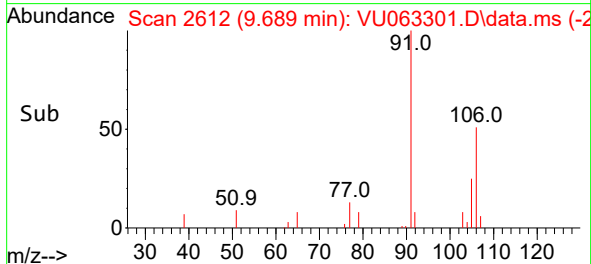
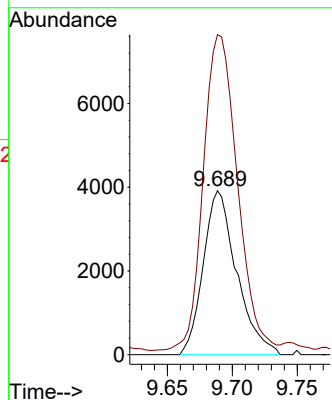
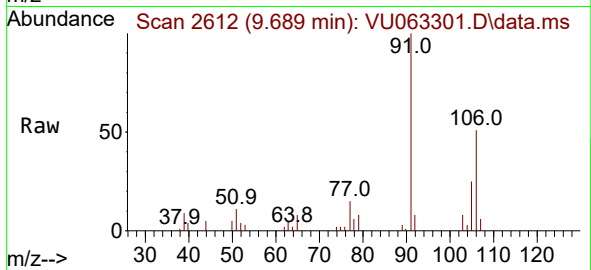




#53
m,p-Xylene
Concen: 2.09 ug/L
RT: 9.689 min Scan# 2611
Delta R.T. 0.003 min
Lab File: VU063301.D
Acq: 18 Mar 2025 13:24

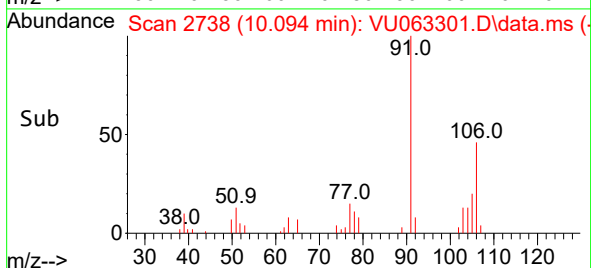
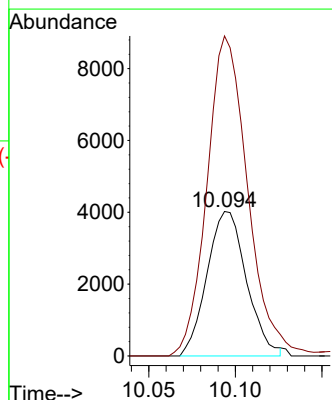
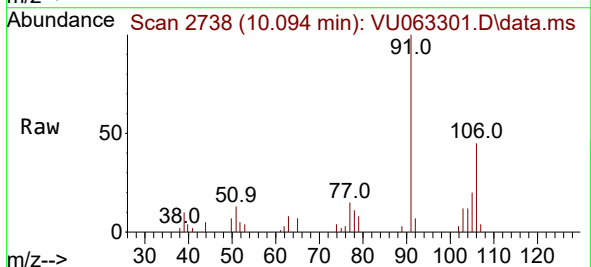
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-02

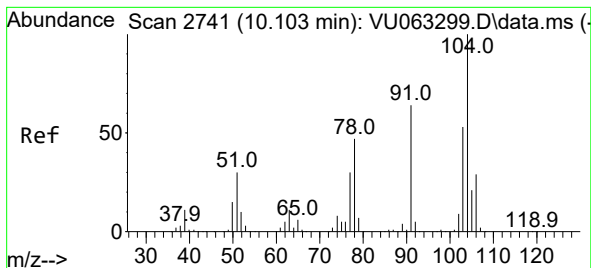
Tgt Ion:106 Resp: 7002
Ion Ratio Lower Upper
106 100
91 195.0 147.3 273.6



#54
o-Xylene
Concen: 1.95 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.003 min
Lab File: VU063301.D
Acq: 18 Mar 2025 13:24

Tgt Ion:106 Resp: 6373
Ion Ratio Lower Upper
106 100
91 221.6 156.7 291.1





#55

Styrene

Concen: 1.81 ug/L

RT: 10.113 min Scan# 21

Delta R.T. 0.010 min

Lab File: VU063301.D

Acq: 18 Mar 2025 13:24

Instrument :

MSVOA_U

ClientSampleId :

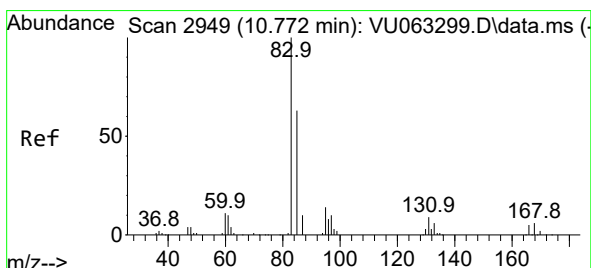
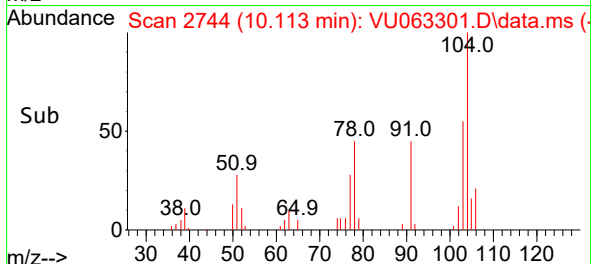
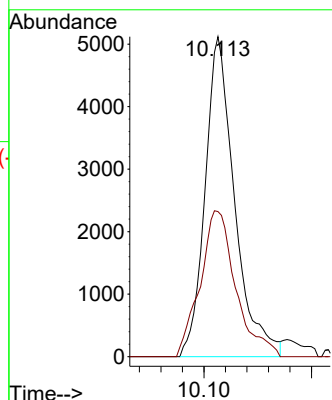
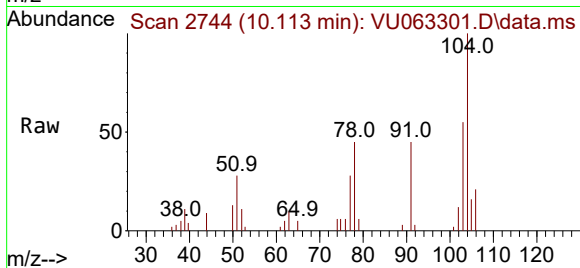
MDL-WATER-QT1-2025-02

Tgt Ion:104 Resp: 9746

Ion Ratio Lower Upper

104 100

78 45.3 32.4 60.2



#57

1,1,2,2-Tetrachloroethane

Concen: 2.46 ug/L

RT: 10.769 min Scan# 2948

Delta R.T. -0.003 min

Lab File: VU063301.D

Acq: 18 Mar 2025 13:24

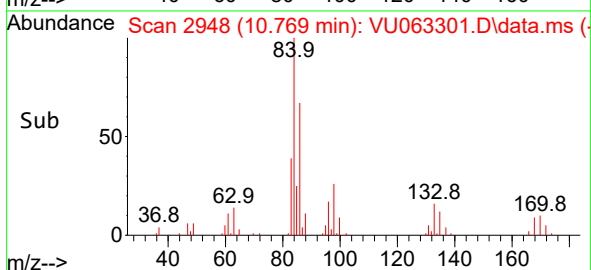
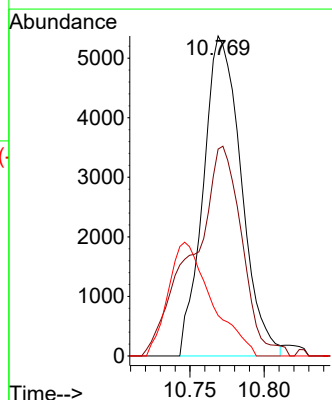
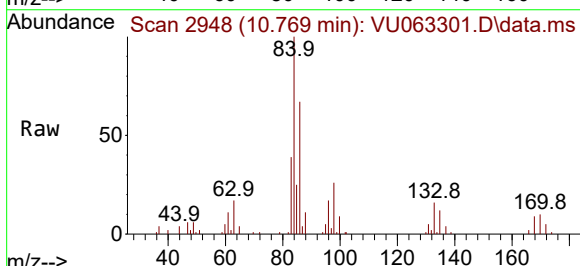
Tgt Ion: 83 Resp: 9543

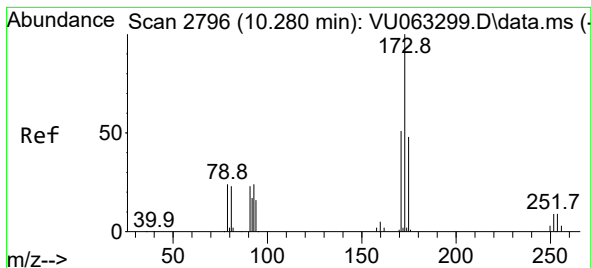
Ion Ratio Lower Upper

83 100

85 64.7 45.6 84.8

131 12.7 7.1 10.7#





#59

Bromoform

Concen: 2.42 ug/L

RT: 10.287 min Scan# 21

Delta R.T. 0.007 min

Lab File: VU063301.D

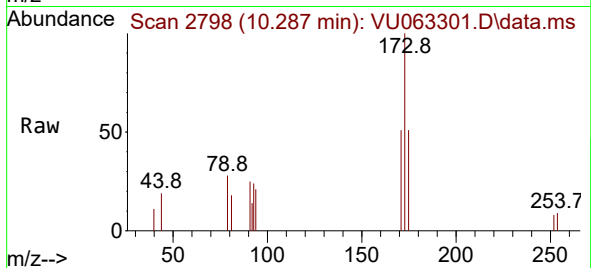
Acq: 18 Mar 2025 13:24

Instrument :

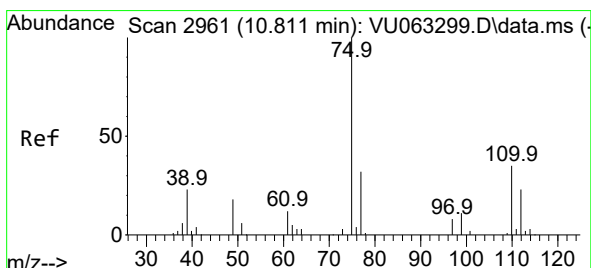
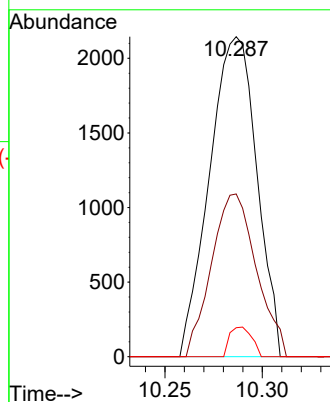
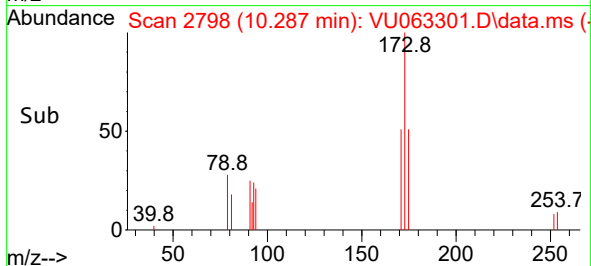
MSVOA_U

ClientSampleId :

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Tgt Ion:	173	Resp:	3621
Ion	Ratio	Lower	Upper
173	100		
175	48.4	38.6	57.8
254	4.3	7.8	11.6#



#60

1,2,3-Trichloropropane

Concen: 2.71 ug/L

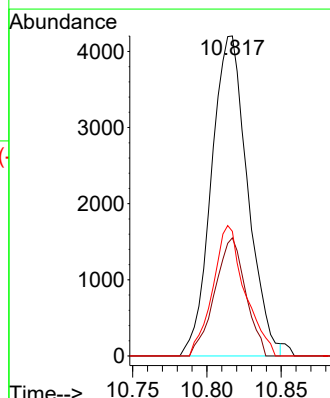
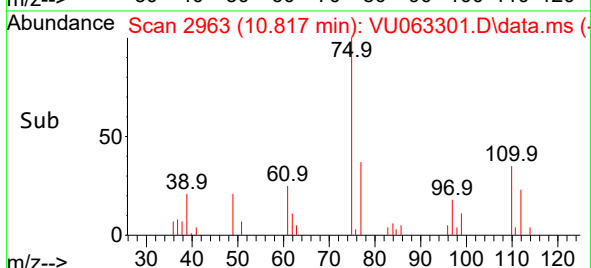
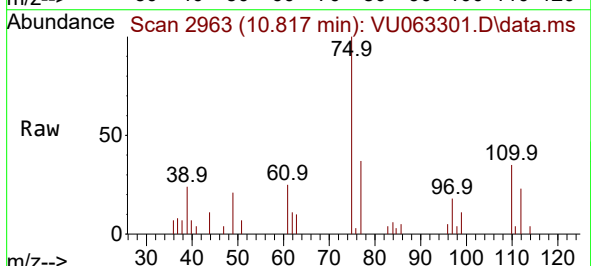
RT: 10.817 min Scan# 2963

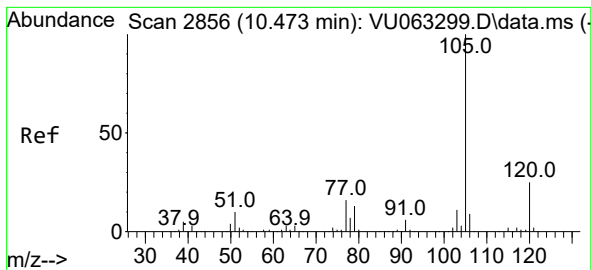
Delta R.T. 0.007 min

Lab File: VU063301.D

Acq: 18 Mar 2025 13:24

Tgt Ion:	75	Resp:	7114
Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.9	38.9
110	36.2	27.8	41.8





#61

Isopropylbenzene

Concen: 2.20 ug/L

RT: 10.480 min Scan# 21

Delta R.T. 0.007 min

Lab File: VU063301.D

Acq: 18 Mar 2025 13:24

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2025-02

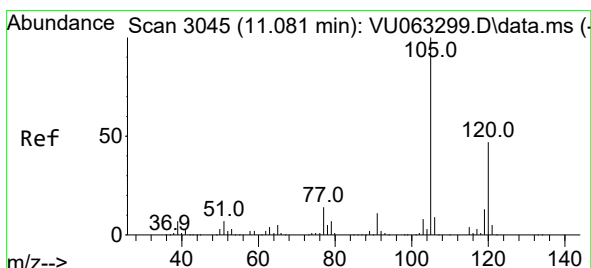
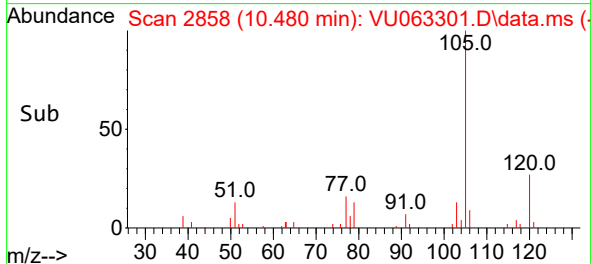
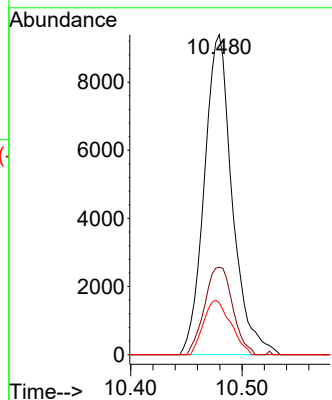
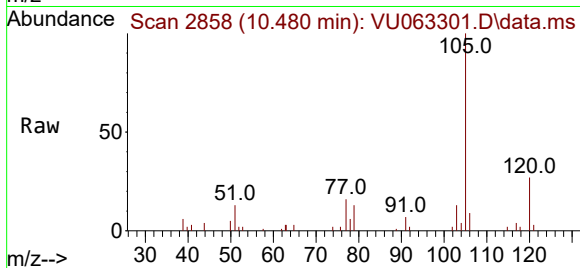
Tgt Ion:105 Resp: 16379

Ion Ratio Lower Upper

105 100

120 27.5 20.6 31.0

77 16.5 13.0 19.4



#62

1,3,5-Trimethylbenzene

Concen: 2.02 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.003 min

Lab File: VU063301.D

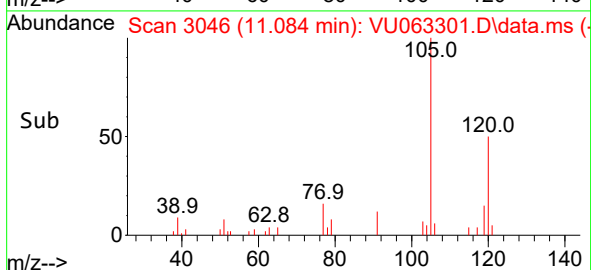
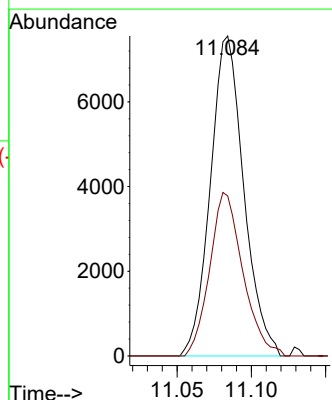
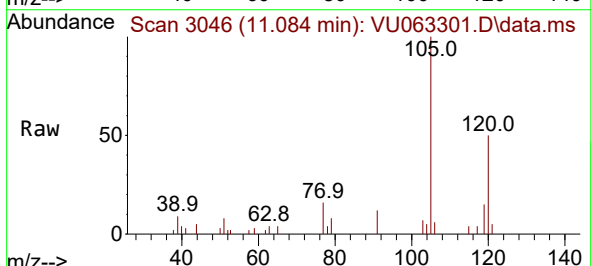
Acq: 18 Mar 2025 13:24

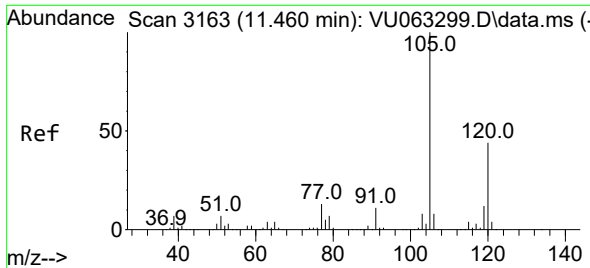
Tgt Ion:105 Resp: 11833

Ion Ratio Lower Upper

105 100

120 50.7 37.9 56.9

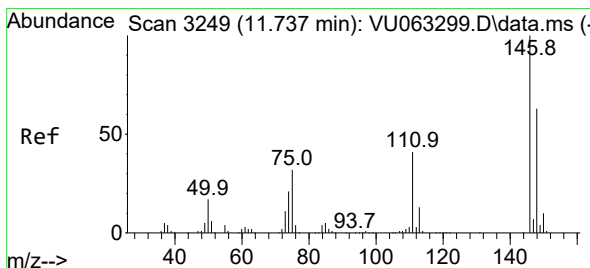
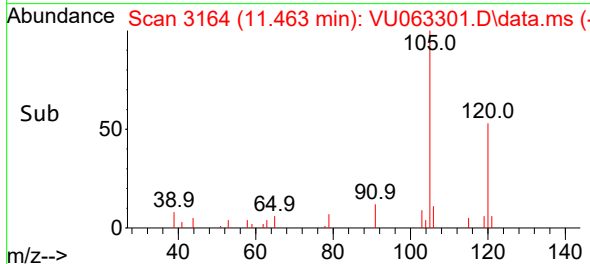
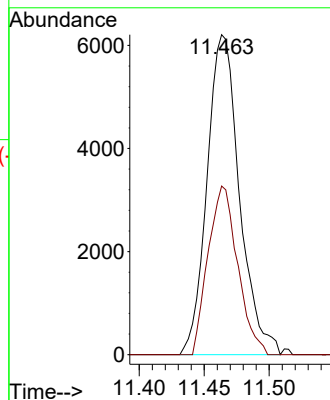
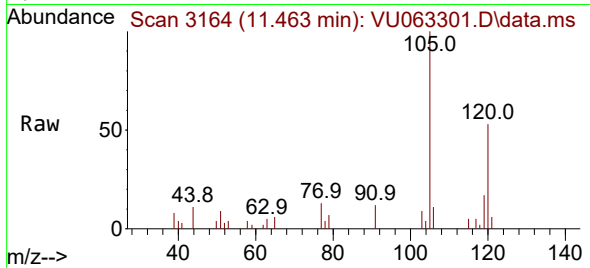




#63
1,2,4-Trimethylbenzene
Concen: 1.92 ug/L
RT: 11.463 min Scan# 3163
Delta R.T. 0.003 min
Lab File: VU063301.D
Acq: 18 Mar 2025 13:24

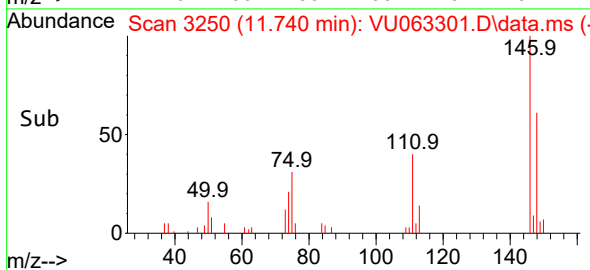
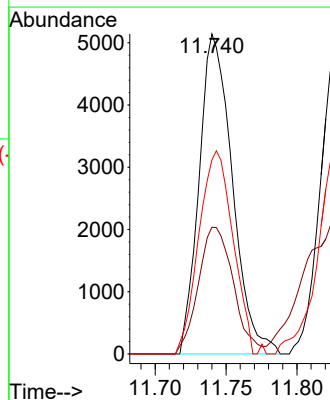
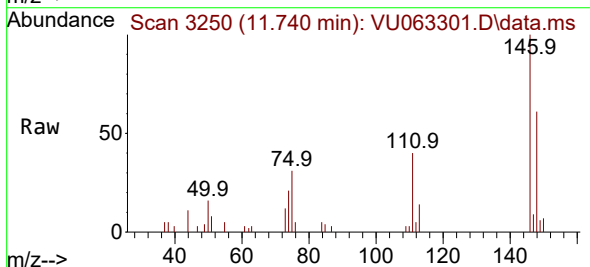
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-02

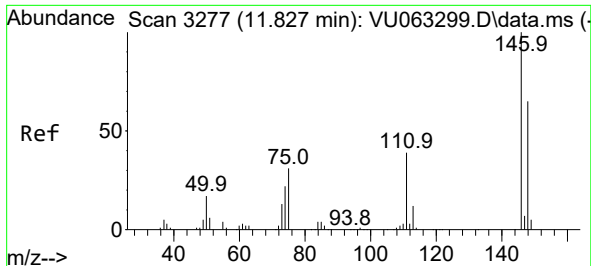
Tgt Ion:105 Resp: 10786
Ion Ratio Lower Upper
105 100
120 48.0 35.4 53.2



#64
1,3-Dichlorobenzene
Concen: 2.39 ug/L
RT: 11.740 min Scan# 3250
Delta R.T. 0.003 min
Lab File: VU063301.D
Acq: 18 Mar 2025 13:24

Tgt Ion:146 Resp: 8386
Ion Ratio Lower Upper
146 100
111 39.6 29.2 54.2
148 60.6 45.8 85.2

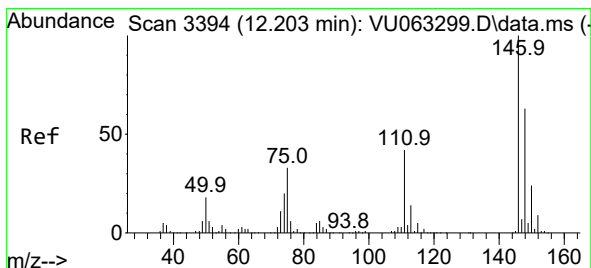
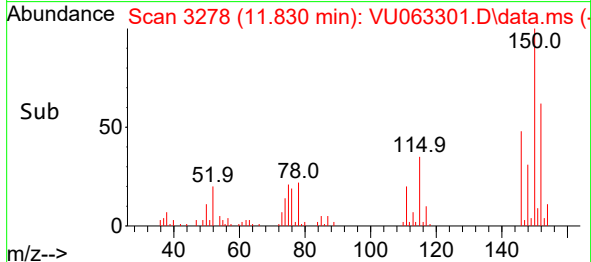
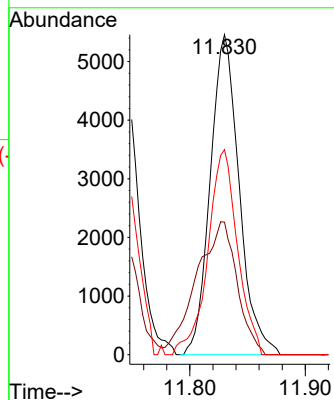
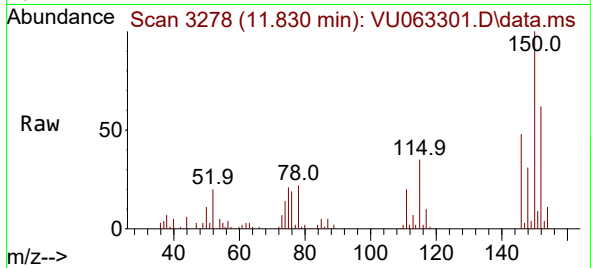




#65
1,4-Dichlorobenzene
Concen: 2.66 ug/L
RT: 11.830 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU063301.D
Acq: 18 Mar 2025 13:24

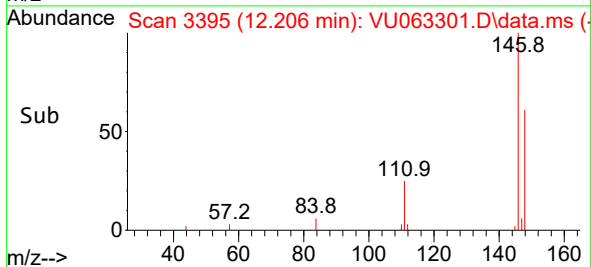
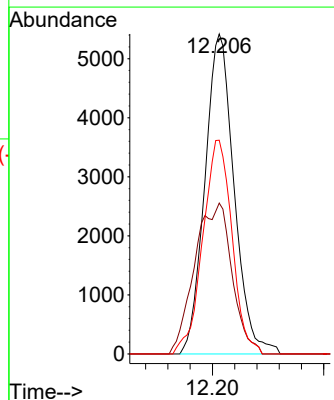
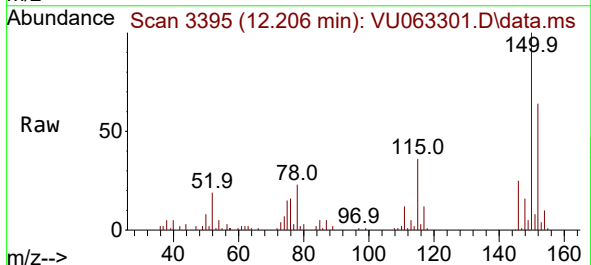
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-02

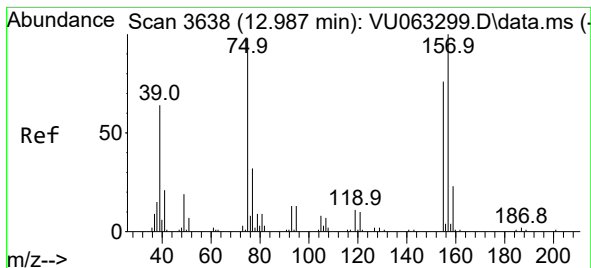
Tgt Ion:146 Resp: 9487
Ion Ratio Lower Upper
146 100
111 46.6 27.5 51.1
148 64.1 44.7 82.9



#67
1,2-Dichlorobenzene
Concen: 2.79 ug/L
RT: 12.206 min Scan# 3395
Delta R.T. 0.003 min
Lab File: VU063301.D
Acq: 18 Mar 2025 13:24

Tgt Ion:146 Resp: 9867
Ion Ratio Lower Upper
146 100
111 47.1 34.7 52.1
148 66.8 51.3 76.9





#68

1,2-Dibromo-3-chloropropane

Concen: 2.62 ug/L

RT: 12.997 min Scan# 3641

Delta R.T. 0.010 min

Lab File: VU063301.D

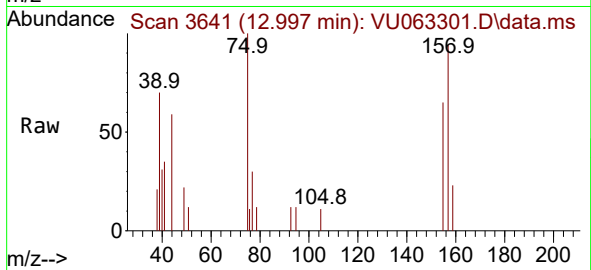
Acq: 18 Mar 2025 13:24

Instrument :

MSVOA_U

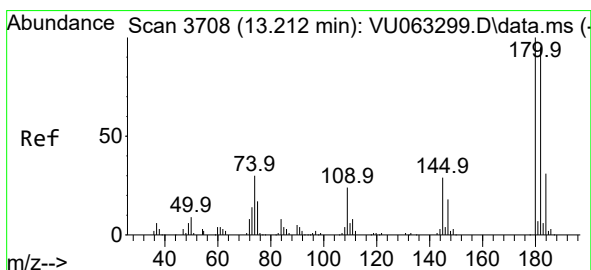
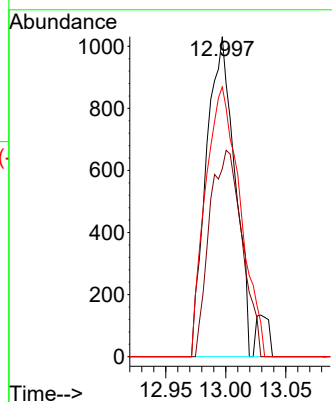
ClientSampleId :

MDL-WATER-QT1-2025-02



Tgt Ion: 75 Resp: 1799

Ion	Ratio	Lower	Upper
75	100		
155	58.7	68.4	102.6#
157	84.3	84.2	126.4



#69

1,3,5-Trichlorobenzene

Concen: 2.78 ug/L

RT: 13.222 min Scan# 3711

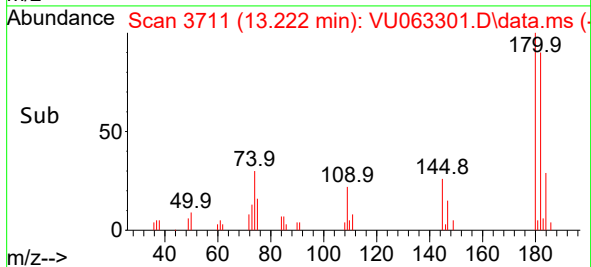
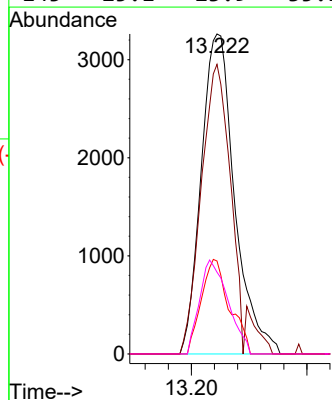
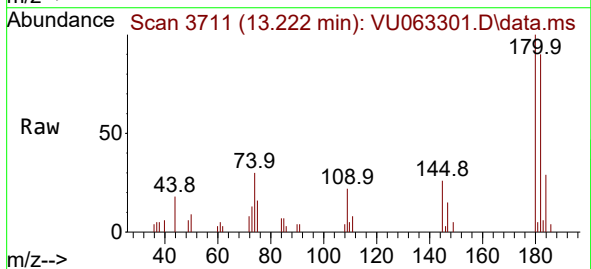
Delta R.T. 0.010 min

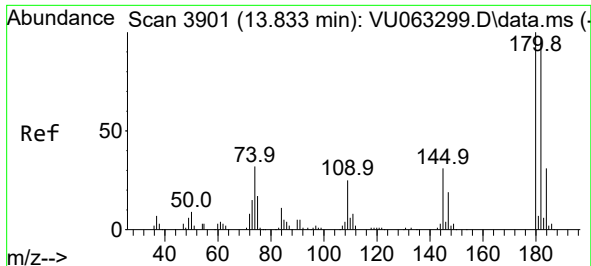
Lab File: VU063301.D

Acq: 18 Mar 2025 13:24

Tgt Ion: 180 Resp: 6559

Ion	Ratio	Lower	Upper
180	100		
182	77.9	77.2	115.8
184	24.9	24.3	36.5
145	25.1	23.9	35.9

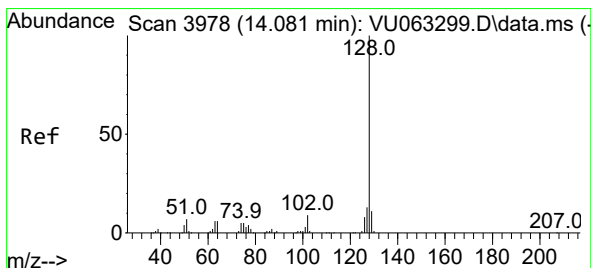
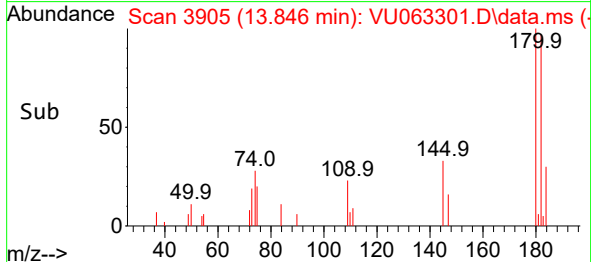
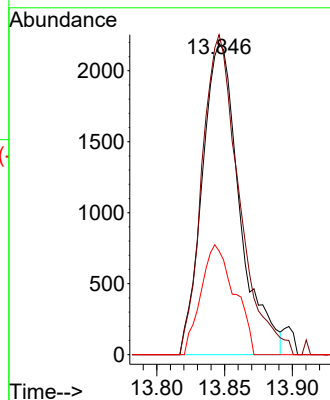
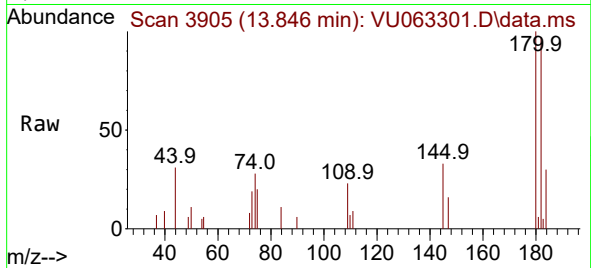




#70
1,2,4-trichlorobenzene
Concen: 2.30 ug/L
RT: 13.846 min Scan# 3905
Delta R.T. 0.013 min
Lab File: VU063301.D
Acq: 18 Mar 2025 13:24

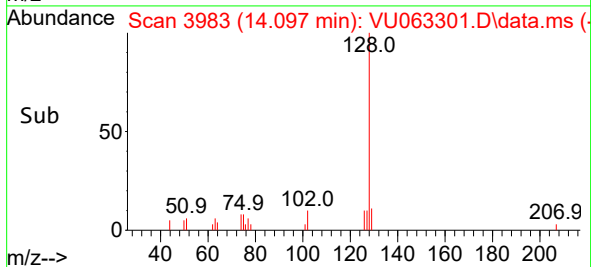
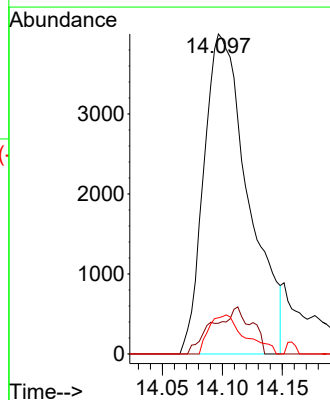
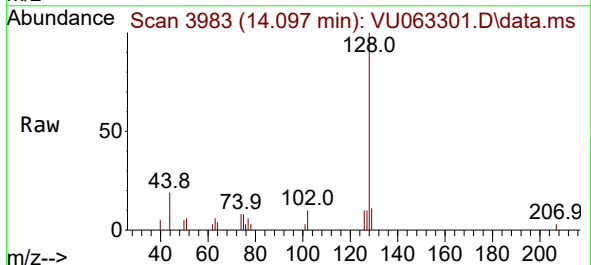
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2025-02

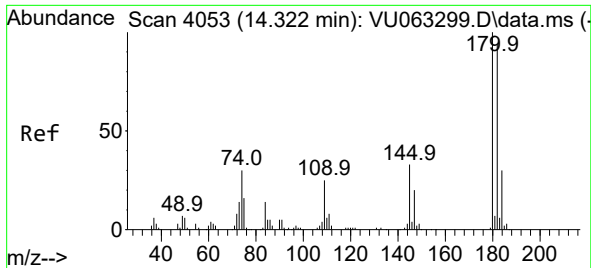
Tgt Ion:180 Resp: 4201
Ion Ratio Lower Upper
180 100
182 101.2 75.8 113.8
145 27.7 24.0 36.0



#71
Naphthalene
Concen: 2.06 ug/L
RT: 14.097 min Scan# 3983
Delta R.T. 0.016 min
Lab File: VU063301.D
Acq: 18 Mar 2025 13:24

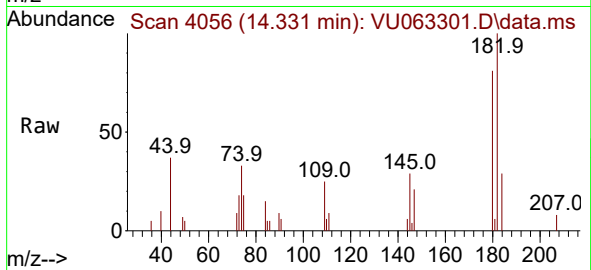
Tgt Ion:128 Resp: 10329
Ion Ratio Lower Upper
128 100
127 3.3 10.2 15.4#
129 9.8 8.6 12.8





#72
 1,2,3-Trichlorobenzene
 Concen: 2.17 ug/L
 RT: 14.331 min Scan# 4056
 Delta R.T. 0.010 min
 Lab File: VU063301.D
 Acq: 18 Mar 2025 13:24

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT1-2025-02



Tgt Ion:	180	Resp:	3871
Ion	Ratio	Lower	Upper
180	100		
182	108.7	77.3	115.9
145	30.7	25.7	38.5

