

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U091725\
 Data File : VU063604.D
 Acq On : 17 Sep 2025 14:01
 Operator : MD/SY
 Sample : Q2899-01
 Misc : 28mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2025-05

Quant Time: Sep 18 06:38:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 18 06:17:12 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	148155	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	136661	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	65401	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.589	65	35327	4.638	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	92.800%	
7) Chloroethane-d5	1.898	69	34370	4.694	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	93.800%	
11) 1,1-Dichloroethene-d2	2.551	65	16079	4.425	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	88.400%	
20) 2-Butanone-d5	4.618	46	98521	44.950	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	89.900%	
24) Chloroform-d	5.049	84	78639	4.321	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	86.400%	
26) 1,2-Dichloroethane-d4	5.692	65	46843	4.826	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	96.600%	
32) Benzene-d6	5.714	84	149200	4.546	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	91.000%	
36) 1,2-Dichloropropane-d6	6.679	67	53301	5.018	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	100.400%	
41) Toluene-d8	7.888	98	137025	4.654	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	93.000%	
43) trans-1,3-Dichloroprop...	8.174	79	11872	4.083	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	81.600%	
46) 2-Hexanone-d5	8.624	63	71278	46.532	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	93.060%	
56) 1,1,2,2-Tetrachloroeth...	10.746	84	37565	4.387	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	87.800%	
66) 1,2-Dichlorobenzene-d4	12.187	152	50287	4.949	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	99.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	2318	0.197	ug/L	96
3) Chloromethane	1.512	50	2685	0.206	ug/L	92
5) Vinyl chloride	1.592	62	3082	0.221	ug/L #	80
6) Bromomethane	1.840	94	1838	0.223	ug/L	94
8) Chloroethane	1.917	64	1801	0.209	ug/L	94
9) Trichlorofluoromethane	2.126	101	3256	0.178	ug/L	84
10) 1,1,2-Trichloro-1,2,2-...	2.557	101	2613	0.253	ug/L #	77
12) 1,1-Dichloroethene	2.563	96	2086	0.218	ug/L #	1
13) Acetone	2.628	43	4539	2.358	ug/L	94
14) Carbon disulfide	2.779	76	4824	0.191	ug/L #	95
15) Methyl Acetate	2.962	43	358	0.082	ug/L #	53
16) Methylene chloride	3.033	84	3818	0.340	ug/L	96
17) Methyl tert-butyl Ether	3.358	73	4296	0.182	ug/L #	82
18) trans-1,2-Dichloroethene	3.348	96	1885	0.190	ug/L	95
19) 1,1-Dichloroethane	3.856	63	3479	0.172	ug/L	94
21) 2-Butanone	4.727	43	1597	0.572	ug/L	78
22) cis-1,2-Dichloroethene	4.650	96	990	0.088	ug/L	98
23) Bromochloromethane	4.981	128	248	0.050	ug/L	86
25) Chloroform	5.071	83	4924	0.238	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091725\
 Data File : VU063604.D
 Acq On : 17 Sep 2025 14:01
 Operator : MD/SY
 Sample : Q2899-01
 Misc : 28mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2025-05

Quant Time: Sep 18 06:38:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 18 06:17:12 2025
 Response via : Initial Calibration

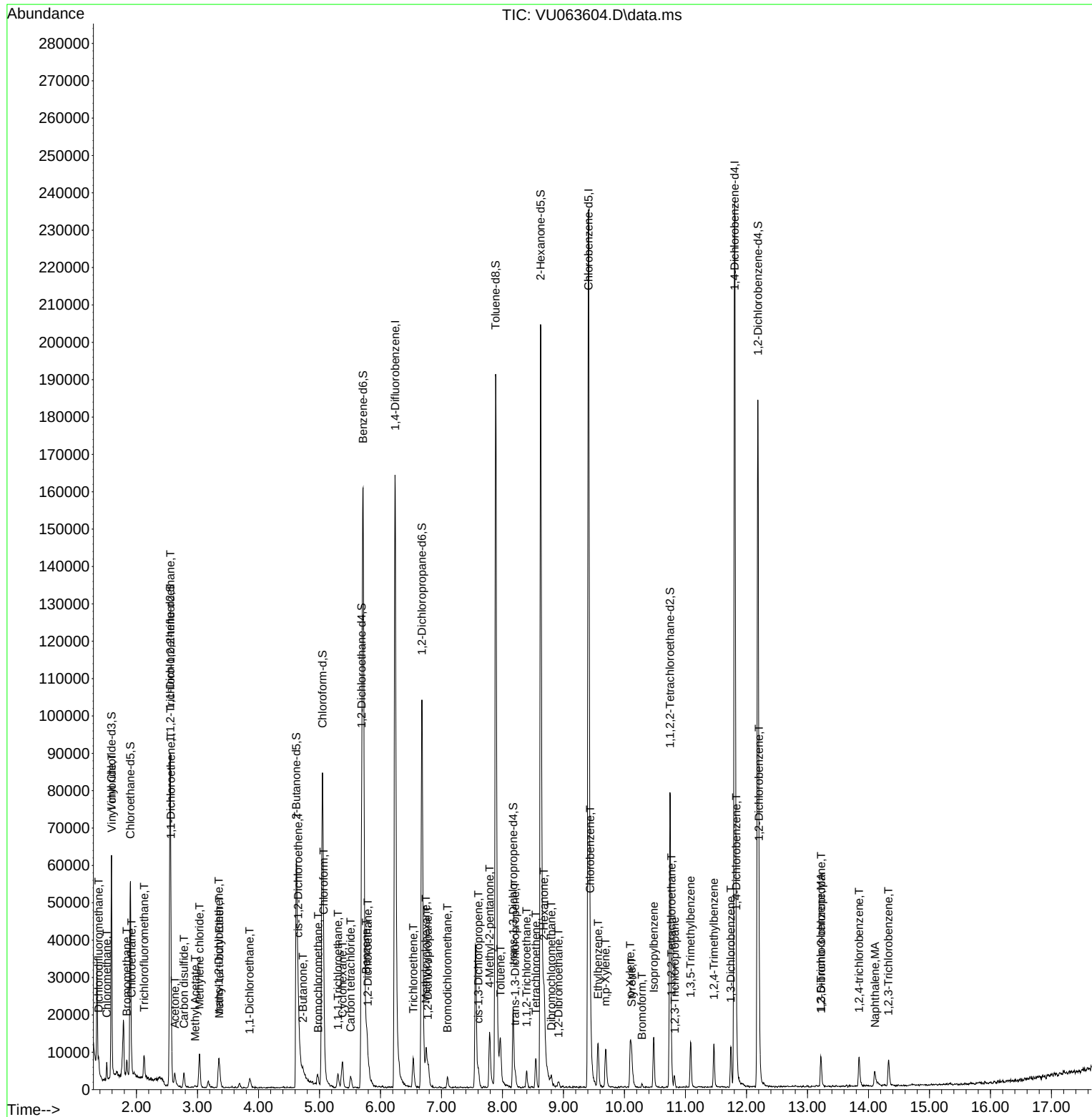
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.792	62	2716	0.198	ug/L #	94
29) 1,1,1-Trichloroethane	5.306	97	2816	0.180	ug/L	95
30) Cyclohexane	5.377	56	3119	0.169	ug/L #	83
31) Carbon tetrachloride	5.512	117	2016	0.164	ug/L	98
33) Benzene	5.763	78	8390	0.196	ug/L	100
34) Trichloroethene	6.538	95	2331	0.199	ug/L	94
35) Methylcyclohexane	6.747	83	3558	0.199	ug/L	96
37) 1,2-Dichloropropane	6.779	63	2332	0.202	ug/L #	89
38) Bromodichloromethane	7.097	83	2368	0.191	ug/L #	89
39) cis-1,3-Dichloropropene	7.605	75	2570	0.196	ug/L	85
40) 4-Methyl-2-pentanone	7.788	43	11320	1.709	ug/L #	85
42) Toluene	7.968	91	9485	0.207	ug/L	97
44) trans-1,3-Dichloropropene	8.206	75	1781	0.185	ug/L	94
45) 1,1,2-Trichloroethane	8.393	97	1359	0.172	ug/L #	84
47) Tetrachloroethene	8.547	164	1781	0.199	ug/L	97
48) 2-Hexanone	8.682	43	17774	3.826	ug/L #	86
49) Dibromochloromethane	8.801	129	1250	0.173	ug/L	83
50) 1,2-Dibromoethane	8.920	107	1213	0.172	ug/L #	81
51) Chlorobenzene	9.438	112	6294	0.212	ug/L	95
52) Ethylbenzene	9.566	91	9787	0.194	ug/L	93
53) m,p-Xylene	9.689	106	3707	0.196	ug/L	97
54) o-Xylene	10.094	106	3421	0.187	ug/L	86
55) Styrene	10.119	104	5366	0.179	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.772	83	2048	0.216	ug/L	92
59) Bromoform	10.287	173	546	0.154	ug/L #	73
60) Isopropylbenzene	10.480	105	8883	0.189	ug/L	96
61) 1,2,3-Trichloropropane	10.824	75	1427	0.220	ug/L #	85
62) 1,3,5-Trimethylbenzene	11.084	105	7596	0.199	ug/L	98
63) 1,2,4-Trimethylbenzene	11.467	105	6831	0.187	ug/L	94
64) 1,3-Dichlorobenzene	11.743	146	4780	0.227	ug/L	91
65) 1,4-Dichlorobenzene	11.833	146	5135	0.241	ug/L	92
67) 1,2-Dichlorobenzene	12.206	146	4508	0.229	ug/L	97
68) 1,2-Dibromo-3-chloropr...	13.222	75	358	0.358	ug/L #	6
69) 1,3,5-Trichlorobenzene	13.219	180	3597	0.228	ug/L	94
70) 1,2,4-trichlorobenzene	13.846	180	3362	0.276	ug/L	93
71) Naphthalene	14.106	128	5252	0.288	ug/L #	91
72) 1,2,3-Trichlorobenzene	14.328	180	3171	0.303	ug/L	97

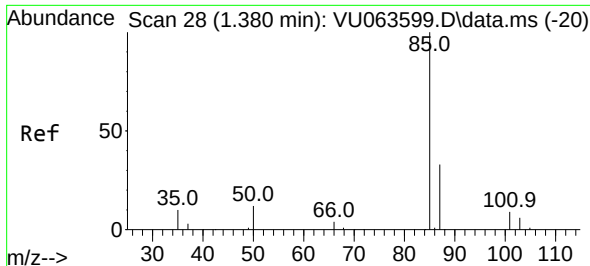
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091725\
Data File : VU063604.D
Acq On : 17 Sep 2025 14:01
Operator : MD/SY
Sample : Q2899-01
Misc : 28mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-05

Quant Time: Sep 18 06:38:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091725WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Sep 18 06:17:12 2025
Response via : Initial Calibration

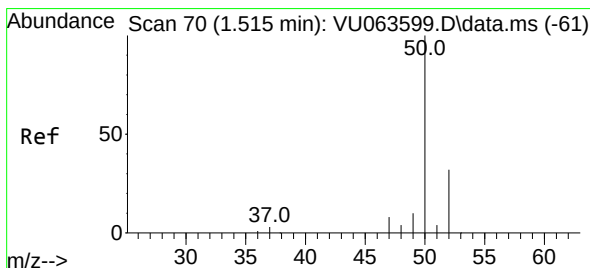
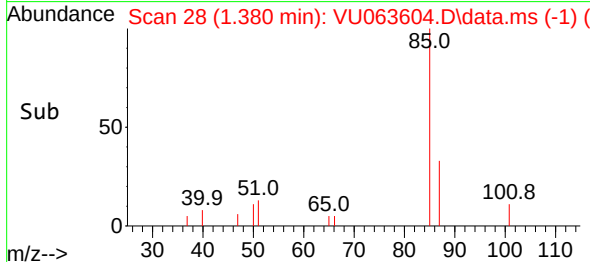
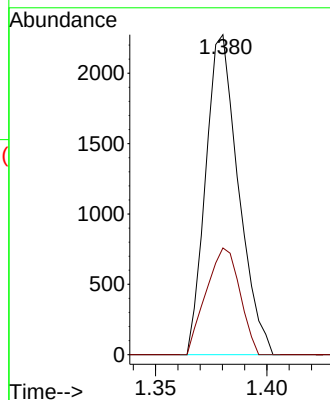
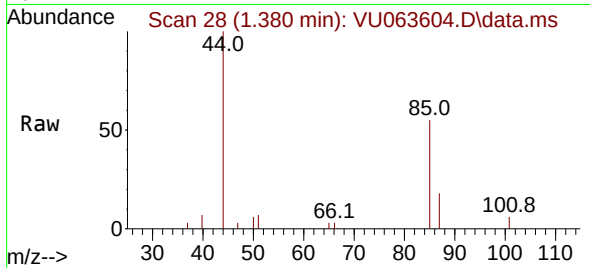




#2
 Dichlorodifluoromethane
 Concen: 0.197 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU063604.D
 Acq: 17 Sep 2025 14:01

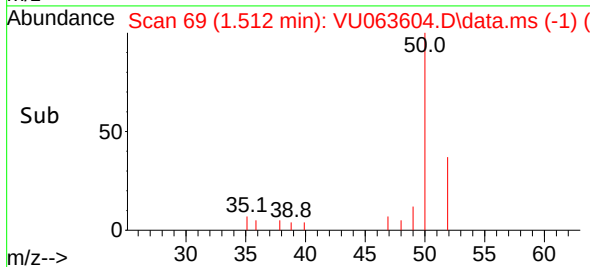
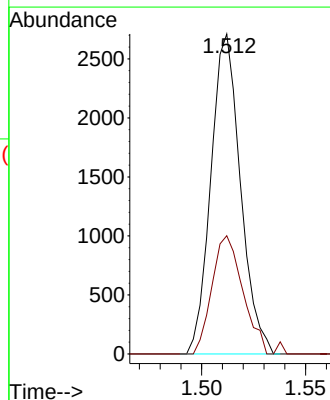
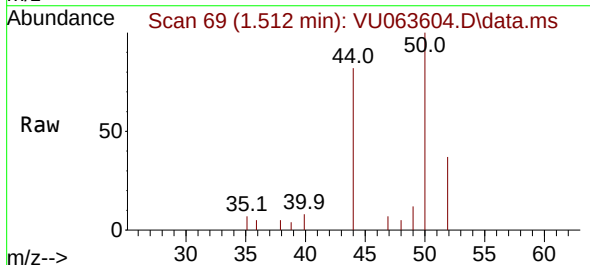
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2025-05

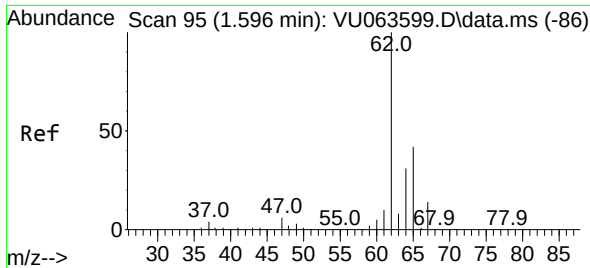
Tgt Ion: 85 Resp: 2318
 Ion Ratio Lower Upper
 85 100
 87 34.3 25.8 38.8



#3
 Chloromethane
 Concen: 0.206 ug/L
 RT: 1.512 min Scan# 69
 Delta R.T. -0.006 min
 Lab File: VU063604.D
 Acq: 17 Sep 2025 14:01

Tgt Ion: 50 Resp: 2685
 Ion Ratio Lower Upper
 50 100
 52 37.0 22.6 42.0

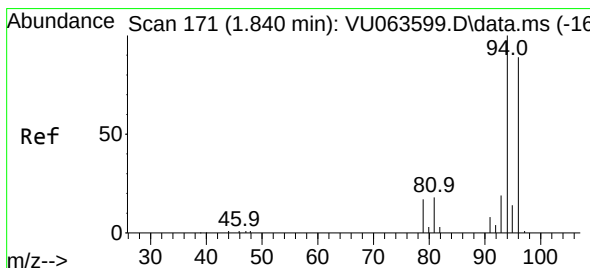
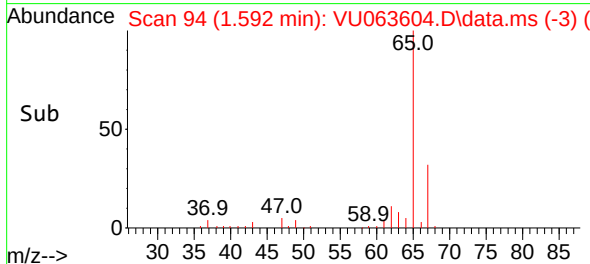
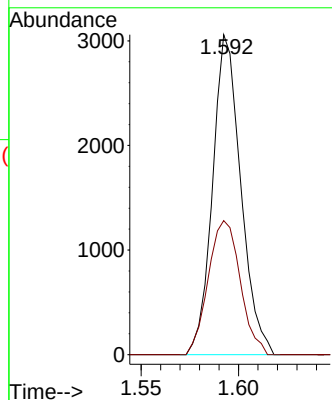
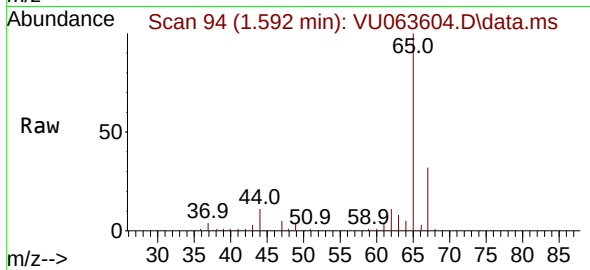




#5
 Vinyl chloride
 Concen: 0.221 ug/L
 RT: 1.592 min Scan# 94
 Delta R.T. -0.006 min
 Lab File: VU063604.D
 Acq: 17 Sep 2025 14:01

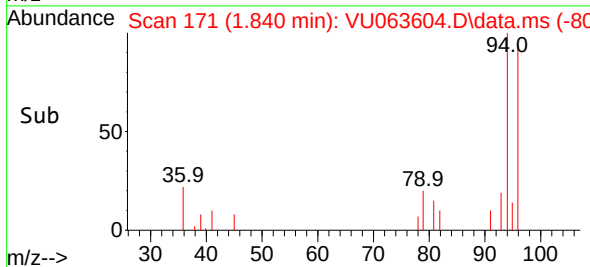
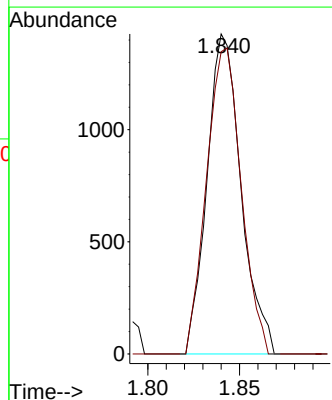
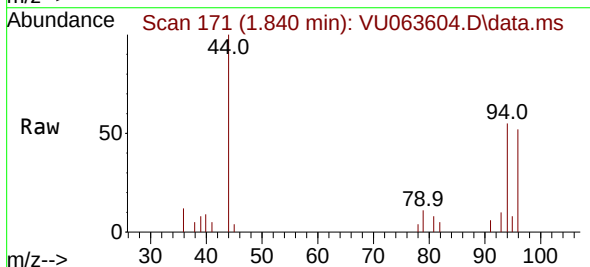
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2025-05

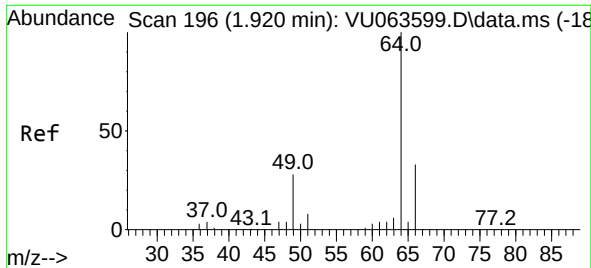
Tgt Ion: 62 Resp: 3082
 Ion Ratio Lower Upper
 62 100
 64 41.9 21.5 39.9#



#6
 Bromomethane
 Concen: 0.223 ug/L
 RT: 1.840 min Scan# 171
 Delta R.T. -0.006 min
 Lab File: VU063604.D
 Acq: 17 Sep 2025 14:01

Tgt Ion: 94 Resp: 1838
 Ion Ratio Lower Upper
 94 100
 96 94.5 62.4 116.0

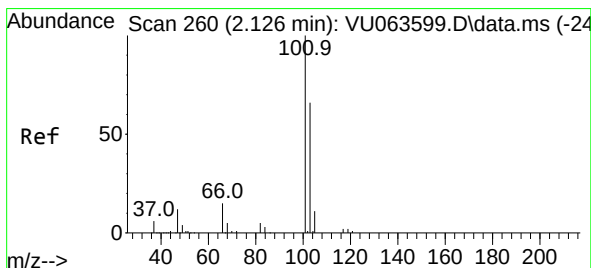
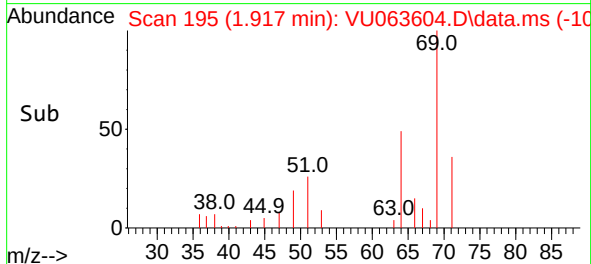
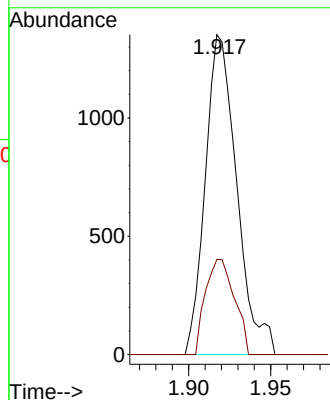
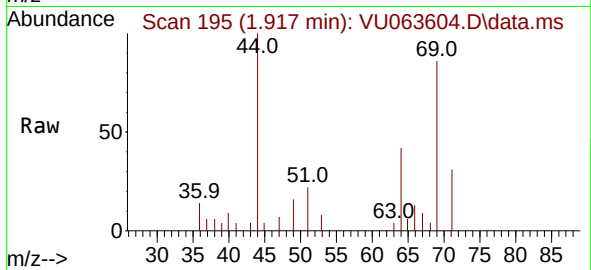




#8
Chloroethane
Concen: 0.209 ug/L
RT: 1.917 min Scan# 196
Delta R.T. -0.006 min
Lab File: VU063604.D
Acq: 17 Sep 2025 14:01

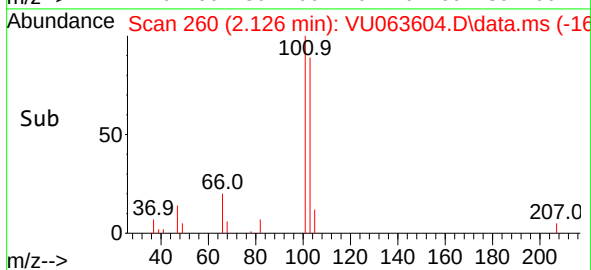
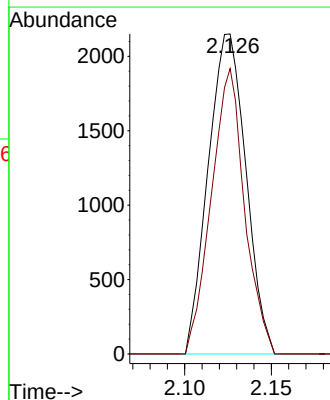
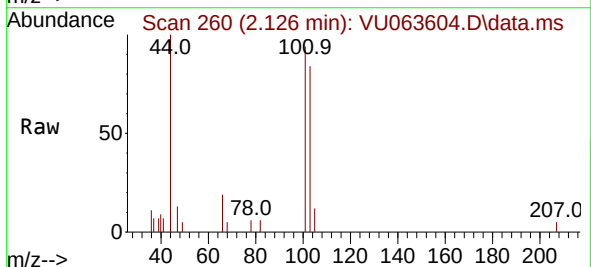
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-05

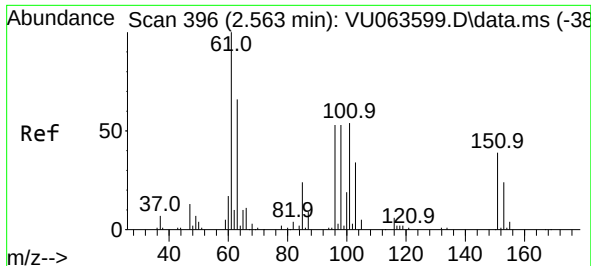
Tgt Ion: 64 Resp: 1801
Ion Ratio Lower Upper
64 100
66 29.7 23.0 42.8



#9
Trichlorofluoromethane
Concen: 0.178 ug/L
RT: 2.126 min Scan# 260
Delta R.T. -0.003 min
Lab File: VU063604.D
Acq: 17 Sep 2025 14:01

Tgt Ion:101 Resp: 3256
Ion Ratio Lower Upper
101 100
103 78.6 52.8 79.2

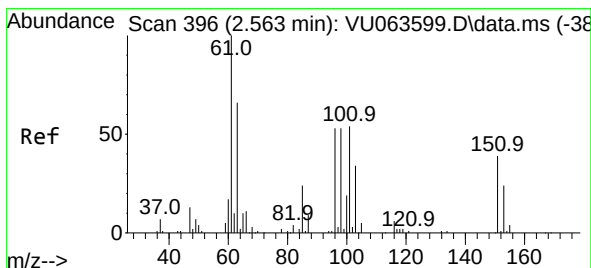
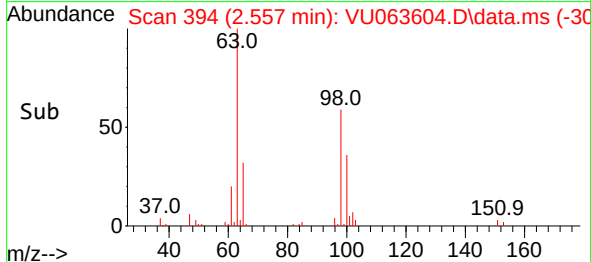
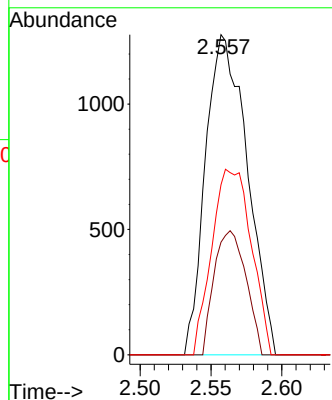
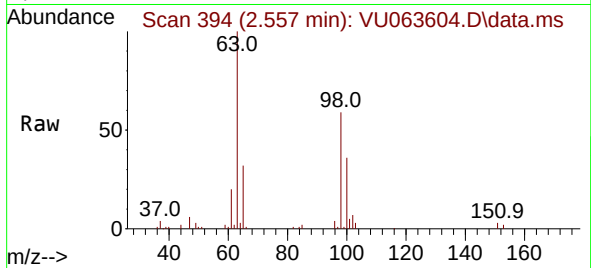




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.253 ug/L
 RT: 2.557 min Scan# 394
 Delta R.T. -0.013 min
 Lab File: VU063604.D
 Acq: 17 Sep 2025 14:01

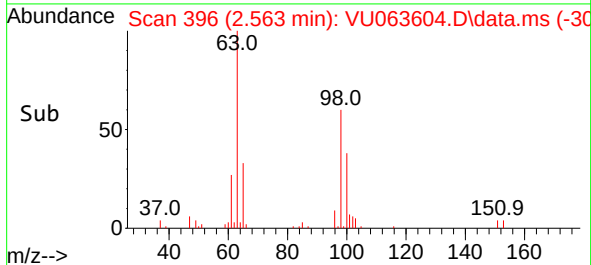
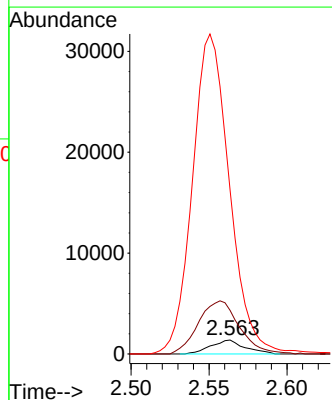
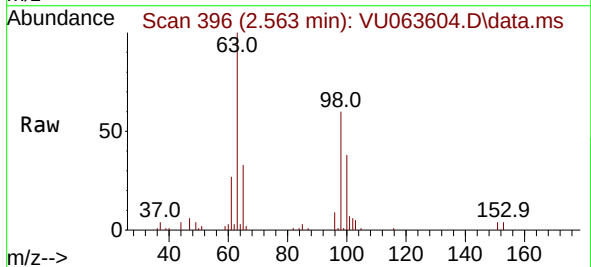
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2025-05

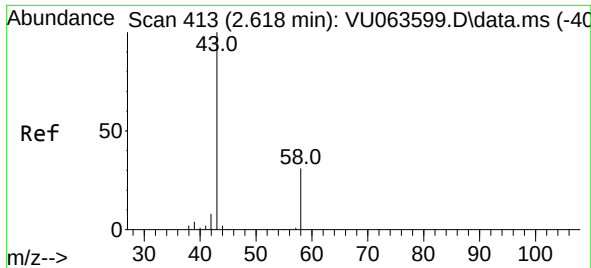
Tgt Ion:101 Resp: 2613
 Ion Ratio Lower Upper
 101 100
 85 29.6 36.4 54.6#
 151 54.8 59.2 88.8#



#12
 1,1-Dichloroethene
 Concen: 0.218 ug/L
 RT: 2.563 min Scan# 396
 Delta R.T. -0.006 min
 Lab File: VU063604.D
 Acq: 17 Sep 2025 14:01

Tgt Ion: 96 Resp: 2086
 Ion Ratio Lower Upper
 96 100
 61 311.6 132.4 245.8#
 63 1170.9 89.0 165.4#





#13

Acetone

Concen: 2.358 ug/L

RT: 2.628 min Scan# 413

Delta R.T. 0.013 min

Lab File: VU063604.D

Acq: 17 Sep 2025 14:01

Instrument :

MSVOA_U

ClientSampleId :

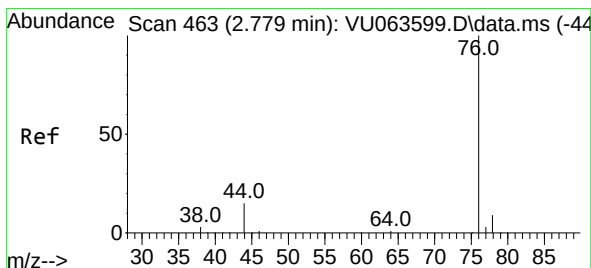
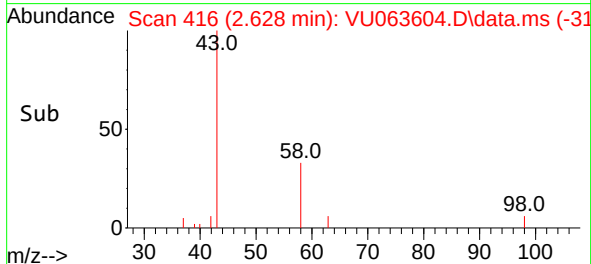
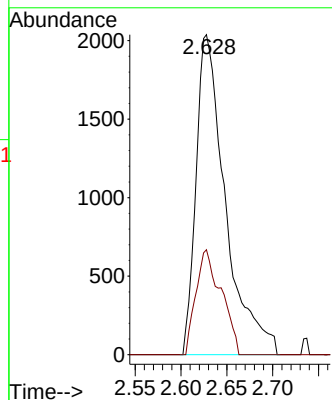
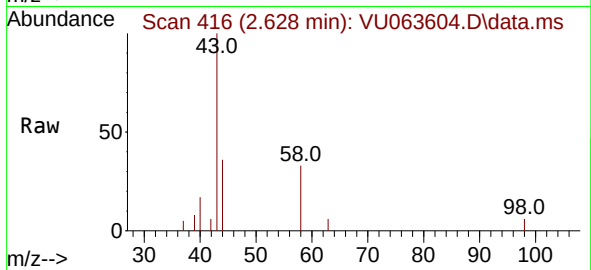
MDL-WATER-QT3-2025-05

Tgt Ion: 43 Resp: 4539

Ion Ratio Lower Upper

43 100

58 28.3 0.0 63.6



#14

Carbon disulfide

Concen: 0.191 ug/L

RT: 2.779 min Scan# 463

Delta R.T. -0.003 min

Lab File: VU063604.D

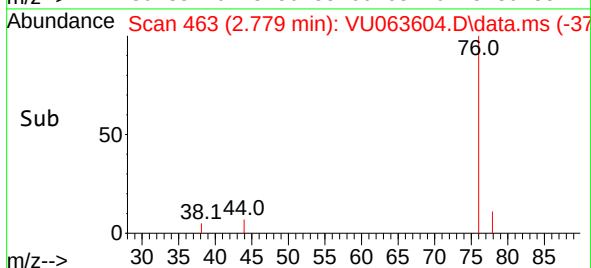
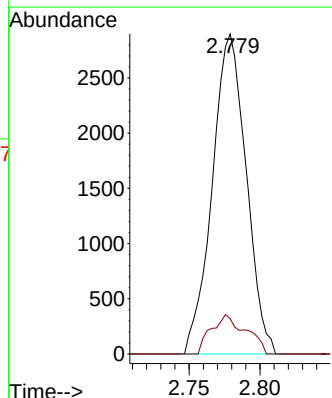
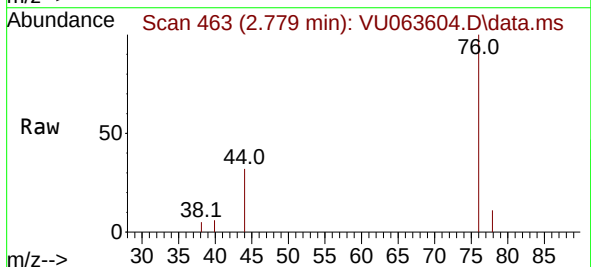
Acq: 17 Sep 2025 14:01

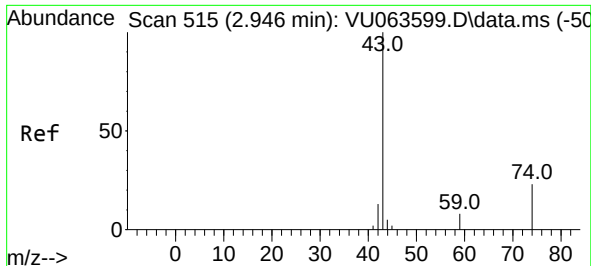
Tgt Ion: 76 Resp: 4824

Ion Ratio Lower Upper

76 100

78 11.1 7.4 11.0#

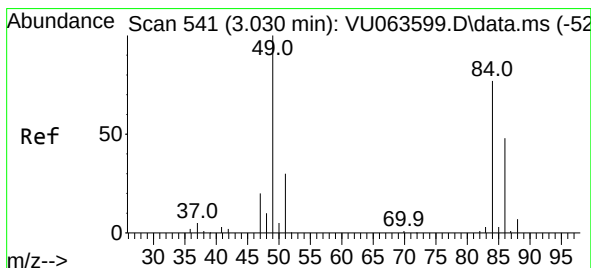
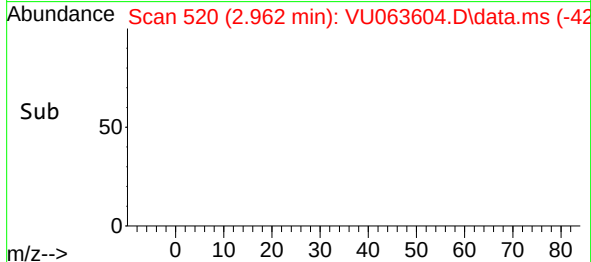
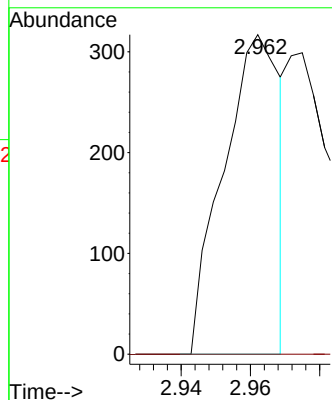
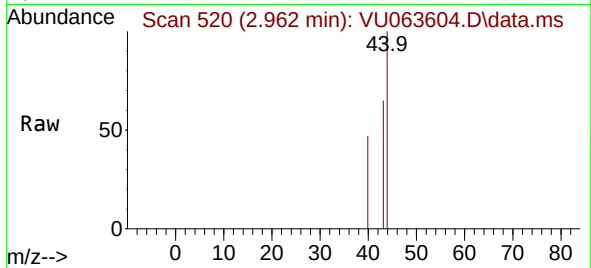




#15
Methyl Acetate
Concen: 0.082 ug/L
RT: 2.962 min Scan# 515
Delta R.T. 0.019 min
Lab File: VU063604.D
Acq: 17 Sep 2025 14:01

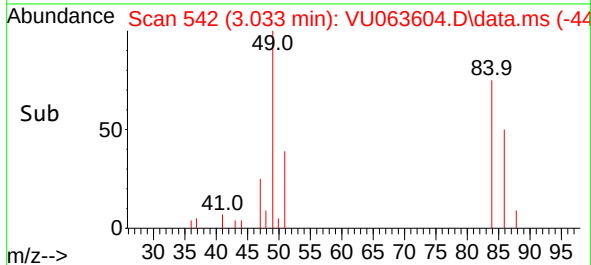
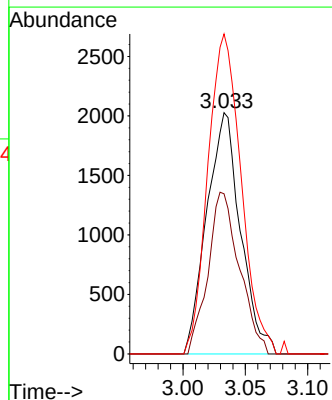
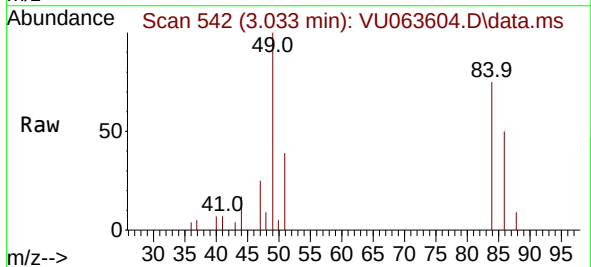
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-05

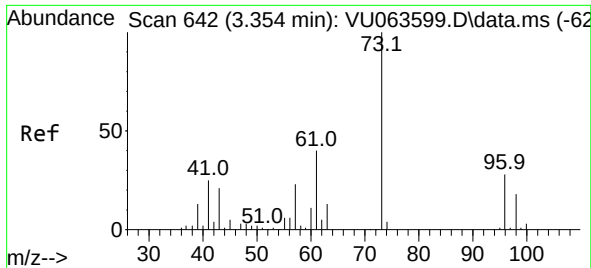
Tgt Ion: 43 Resp: 358
Ion Ratio Lower Upper
43 100
74 0.0 18.2 27.2#



#16
Methylene chloride
Concen: 0.340 ug/L
RT: 3.033 min Scan# 542
Delta R.T. 0.000 min
Lab File: VU063604.D
Acq: 17 Sep 2025 14:01

Tgt Ion: 84 Resp: 3818
Ion Ratio Lower Upper
84 100
86 66.4 43.1 80.1
49 132.6 90.6 168.2

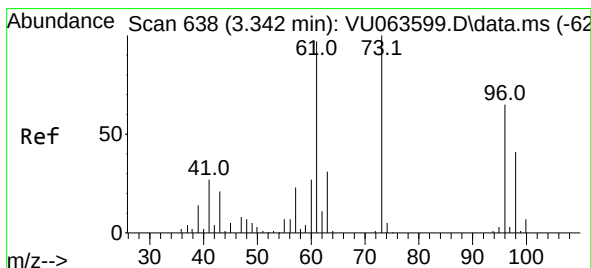
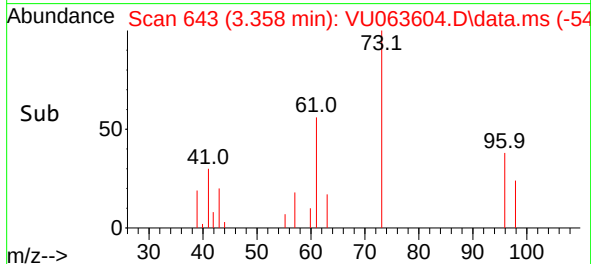
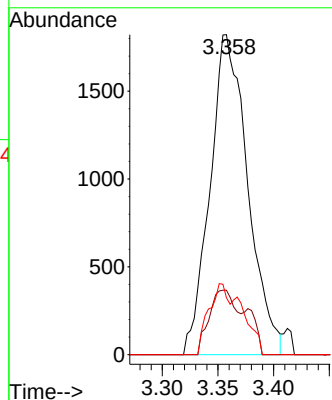
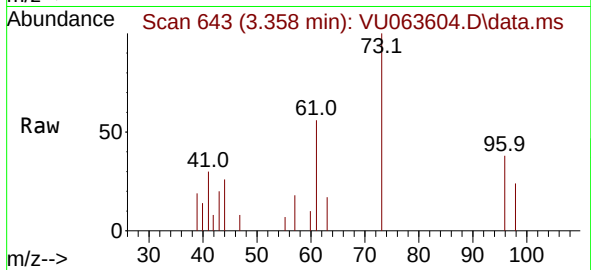




#17
Methyl tert-butyl Ether
Concen: 0.182 ug/L
RT: 3.358 min Scan# 64
Delta R.T. 0.007 min
Lab File: VU063604.D
Acq: 17 Sep 2025 14:01

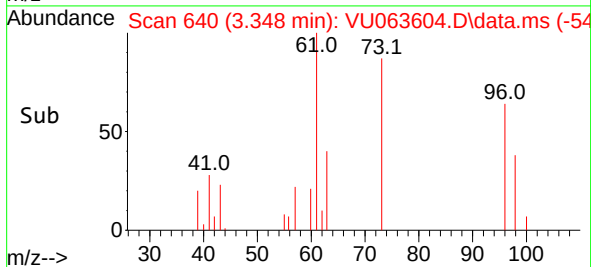
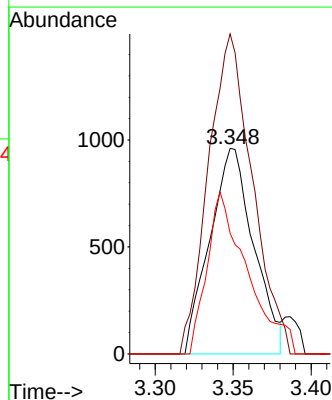
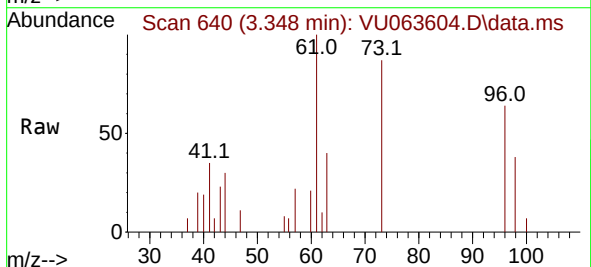
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-05

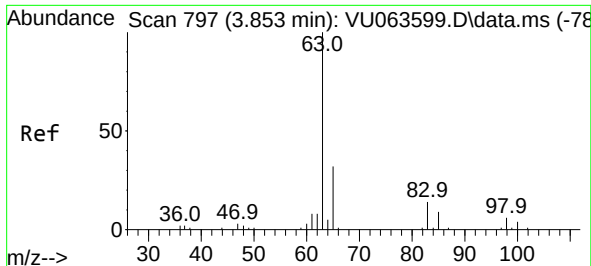
Tgt Ion: 73 Resp: 4296
Ion Ratio Lower Upper
73 100
43 14.6 17.0 25.4#
57 11.8 18.2 27.2#



#18
trans-1,2-Dichloroethene
Concen: 0.190 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.007 min
Lab File: VU063604.D
Acq: 17 Sep 2025 14:01

Tgt Ion: 96 Resp: 1885
Ion Ratio Lower Upper
96 100
61 155.7 104.9 194.7
98 58.7 44.3 82.3

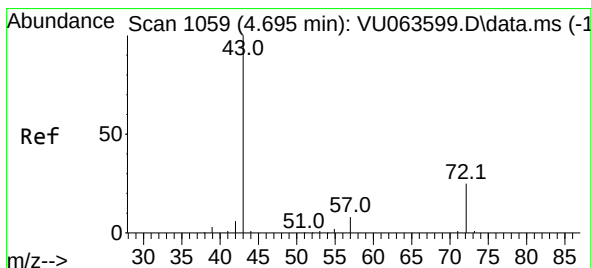
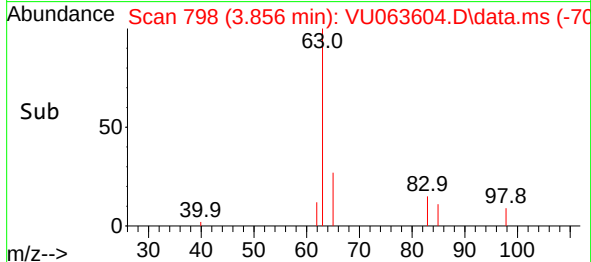
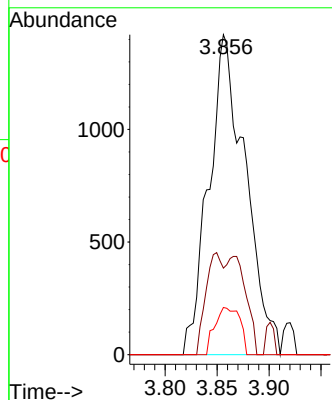
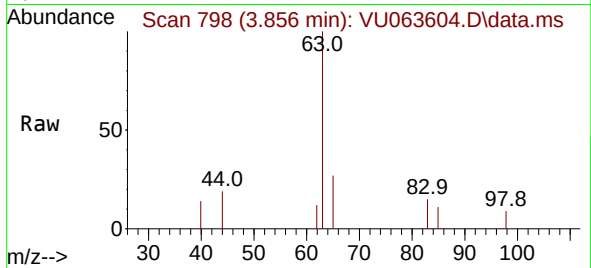




#19
1,1-Dichloroethane
Concen: 0.172 ug/L
RT: 3.856 min Scan# 797
Delta R.T. 0.000 min
Lab File: VU063604.D
Acq: 17 Sep 2025 14:01

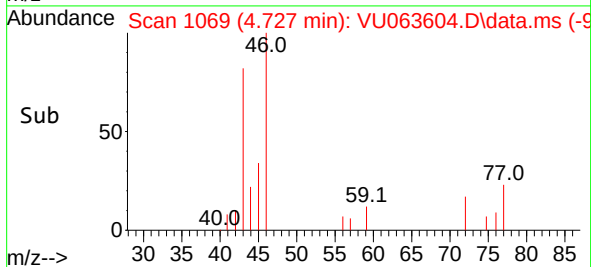
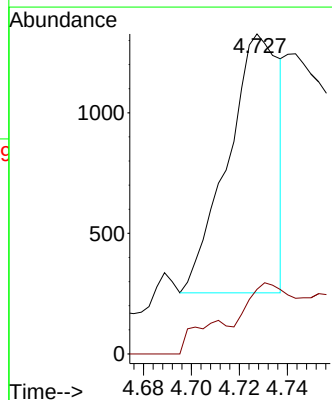
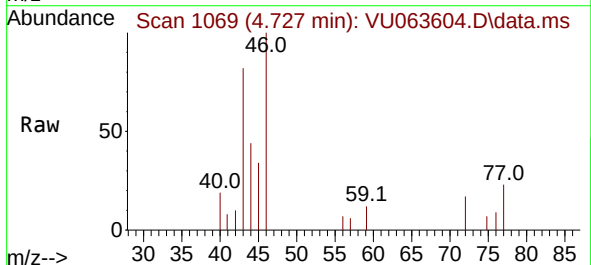
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-05

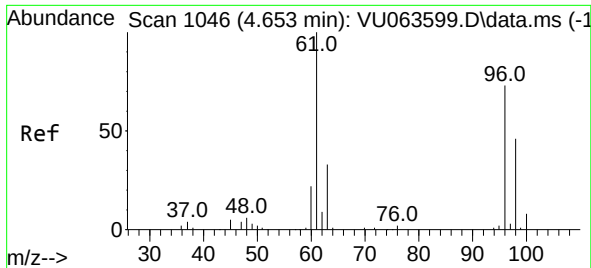
Tgt Ion: 63 Resp: 3479
Ion Ratio Lower Upper
63 100
65 27.0 22.1 41.1
83 14.7 9.7 17.9



#21
2-Butanone
Concen: 0.572 ug/L
RT: 4.727 min Scan# 1069
Delta R.T. 0.039 min
Lab File: VU063604.D
Acq: 17 Sep 2025 14:01

Tgt Ion: 43 Resp: 1597
Ion Ratio Lower Upper
43 100
72 13.1 11.9 35.7



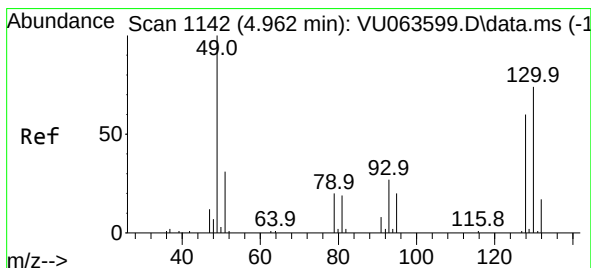
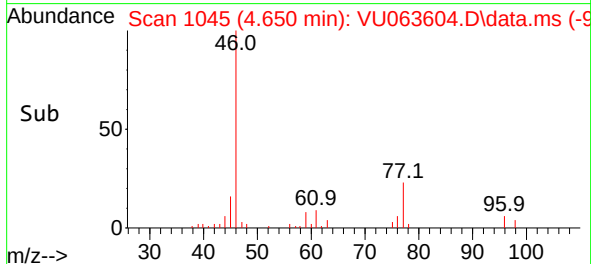
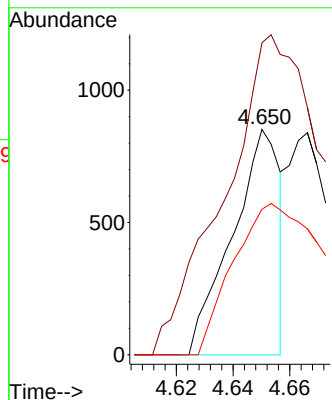
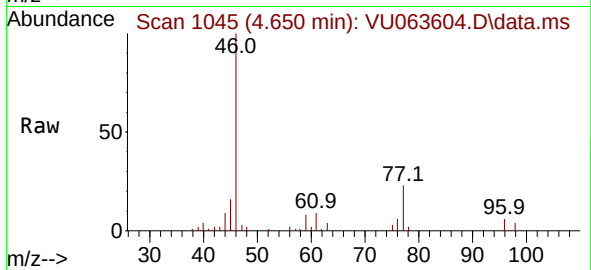


#22
 cis-1,2-Dichloroethene
 Concen: 0.088 ug/L
 RT: 4.650 min Scan# 1045
 Delta R.T. -0.006 min
 Lab File: VU063604.D
 Acq: 17 Sep 2025 14:01

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2025-05

Tgt Ion: 96 Resp: 990

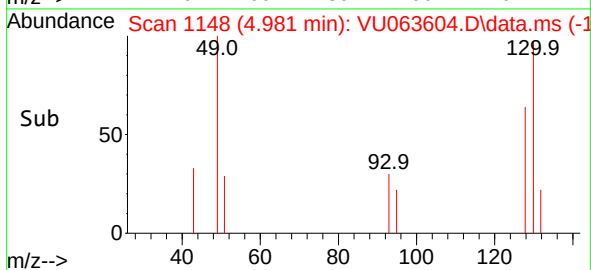
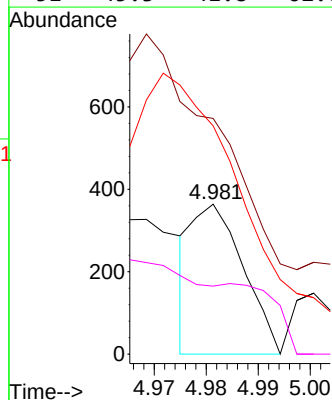
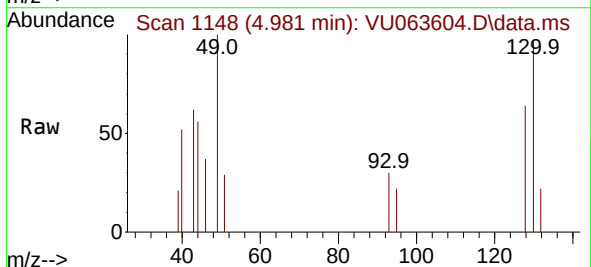
Ion	Ratio	Lower	Upper
96	100		
61	138.4	95.8	177.8
98	64.6	43.5	80.9

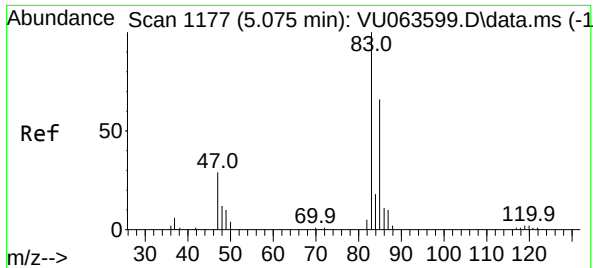


#23
 Bromochloromethane
 Concen: 0.050 ug/L
 RT: 4.981 min Scan# 1148
 Delta R.T. 0.016 min
 Lab File: VU063604.D
 Acq: 17 Sep 2025 14:01

Tgt Ion: 128 Resp: 248

Ion	Ratio	Lower	Upper
128	100		
49	157.1	118.4	219.8
130	152.2	87.6	162.6
51	45.3	41.8	62.6

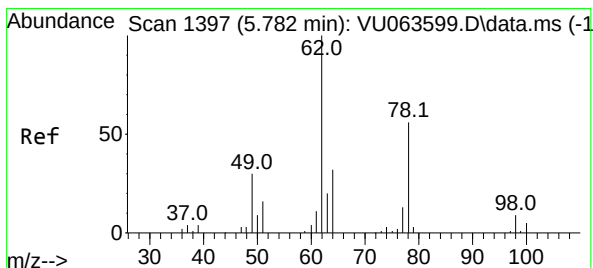
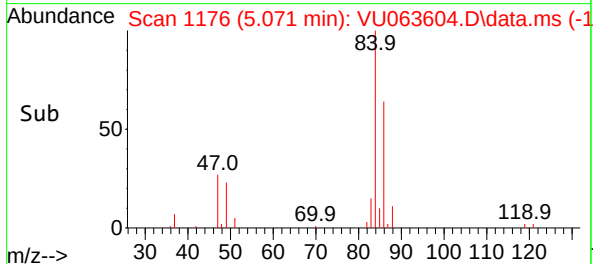
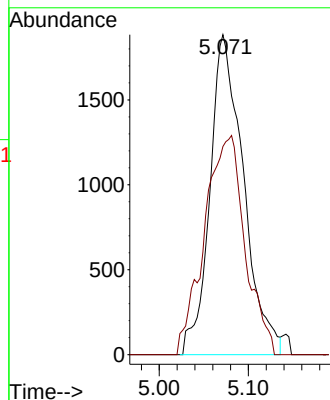
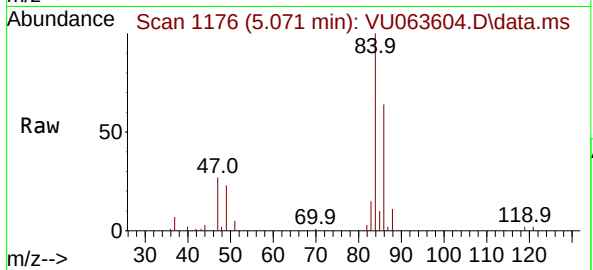




#25
Chloroform
Concen: 0.238 ug/L
RT: 5.071 min Scan# 1177
Delta R.T. -0.003 min
Lab File: VU063604.D
Acq: 17 Sep 2025 14:01

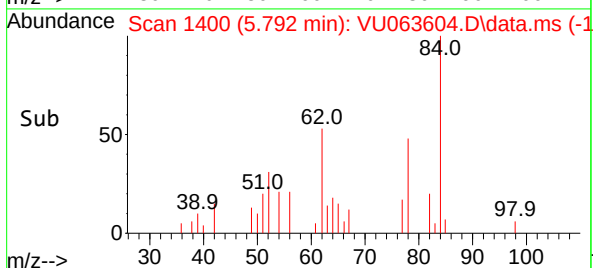
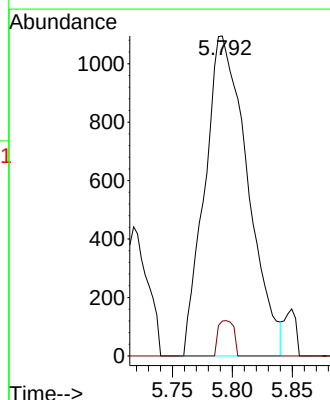
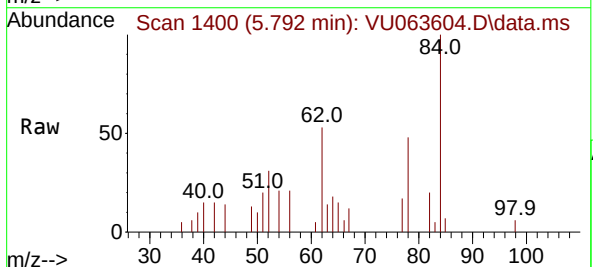
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-05

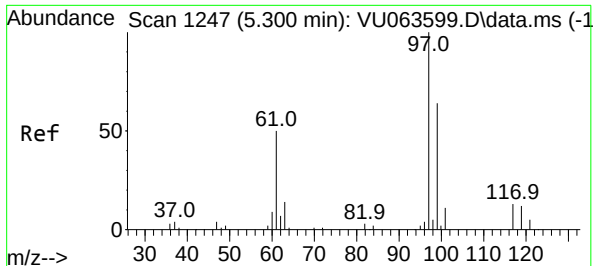
Tgt Ion: 83 Resp: 4924
Ion Ratio Lower Upper
83 100
85 65.0 46.1 85.5



#27
1,2-Dichloroethane
Concen: 0.198 ug/L
RT: 5.792 min Scan# 1400
Delta R.T. 0.010 min
Lab File: VU063604.D
Acq: 17 Sep 2025 14:01

Tgt Ion: 62 Resp: 2716
Ion Ratio Lower Upper
62 100
98 10.9 7.0 10.4#

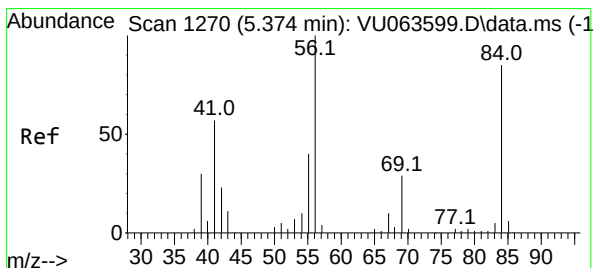
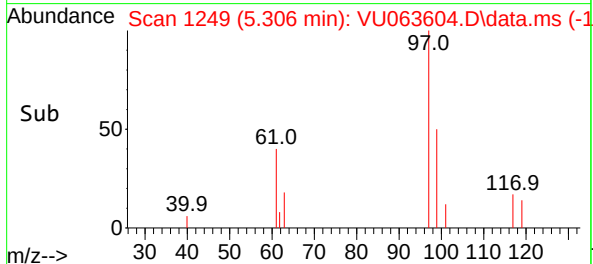
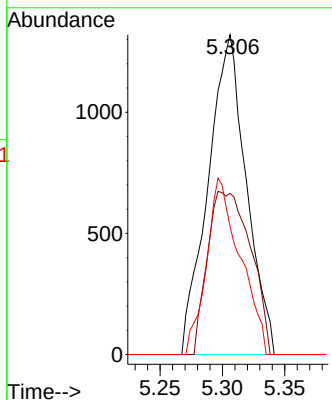
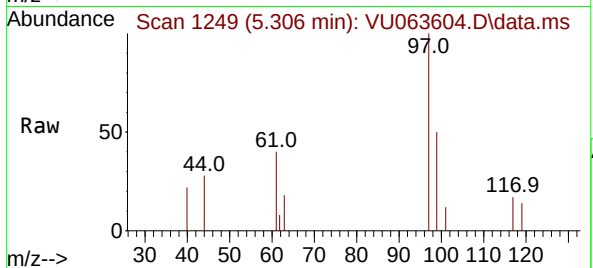




#29
1,1,1-Trichloroethane
Concen: 0.180 ug/L
RT: 5.306 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU063604.D
Acq: 17 Sep 2025 14:01

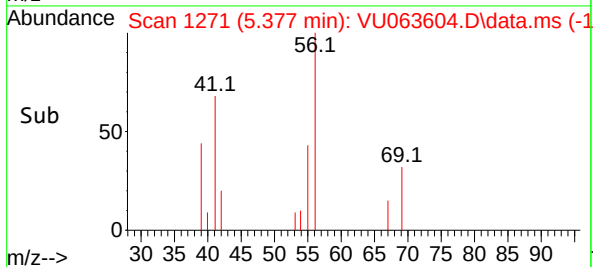
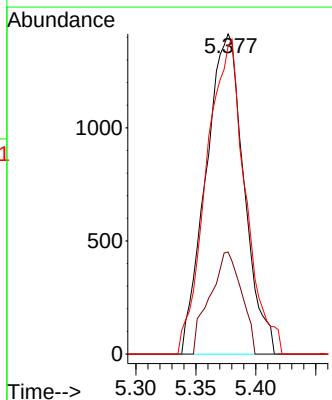
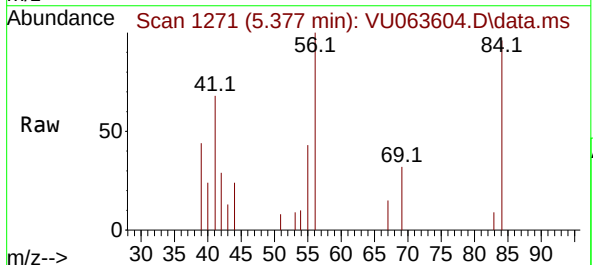
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-05

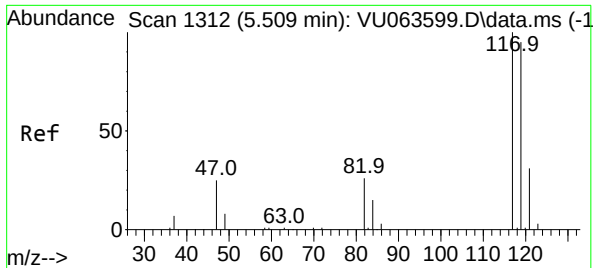
Tgt Ion: 97	Resp:	2816
Ion	Ratio	Lower Upper
97	100	
99	57.5	51.0 76.6
61	48.6	39.9 59.9



#30
Cyclohexane
Concen: 0.169 ug/L
RT: 5.377 min Scan# 1271
Delta R.T. 0.000 min
Lab File: VU063604.D
Acq: 17 Sep 2025 14:01

Tgt Ion: 56	Resp:	3119
Ion	Ratio	Lower Upper
56	100	
69	26.5	23.2 34.8
84	100.5	65.0 97.4#

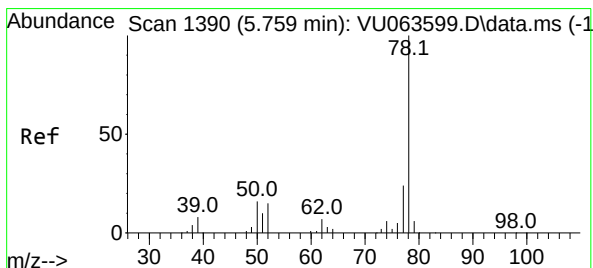
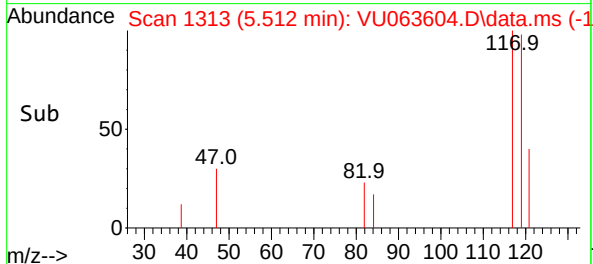
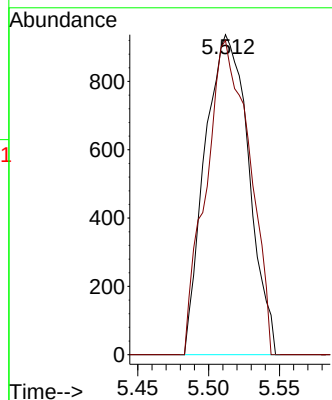
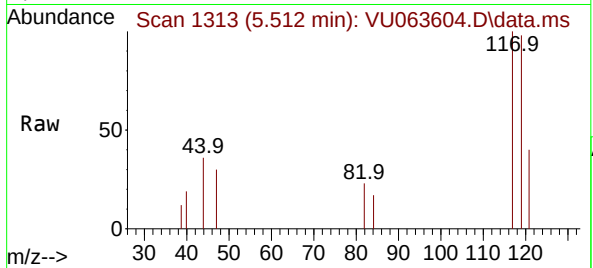




#31
Carbon tetrachloride
Concen: 0.164 ug/L
RT: 5.512 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU063604.D
Acq: 17 Sep 2025 14:01

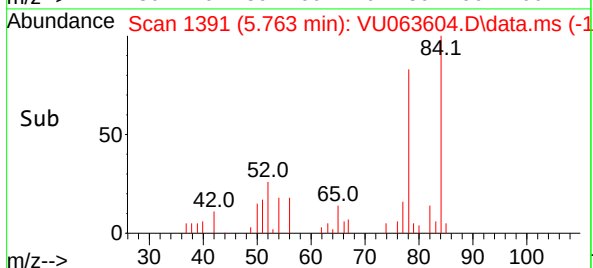
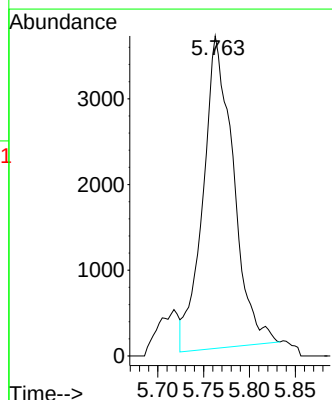
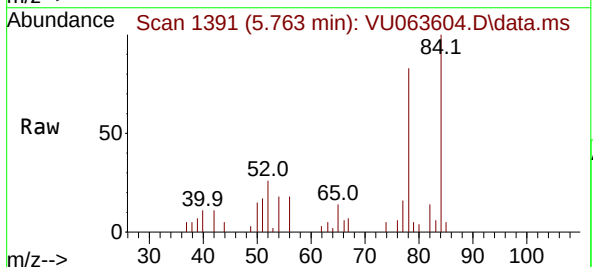
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-05

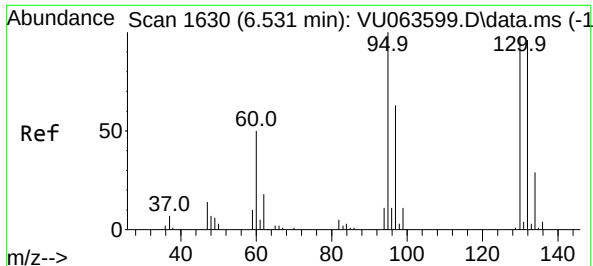
Tgt Ion:117 Resp: 2016
Ion Ratio Lower Upper
117 100
119 97.6 76.8 115.2



#33
Benzene
Concen: 0.196 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VU063604.D
Acq: 17 Sep 2025 14:01

Tgt Ion: 78 Resp: 8390



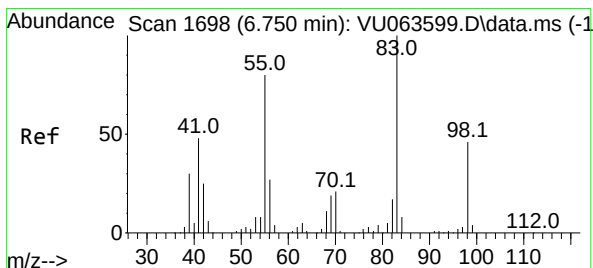
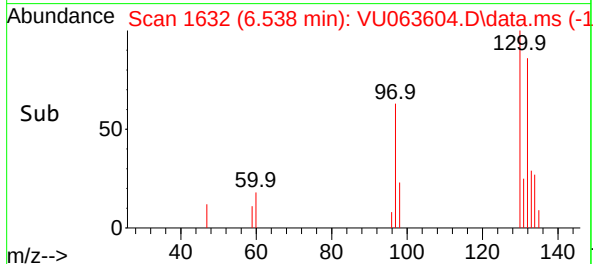
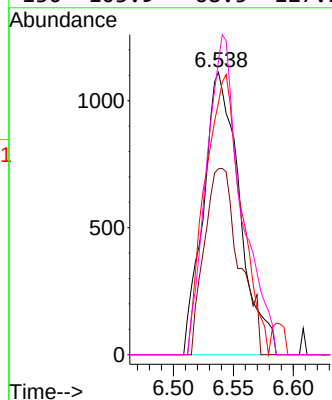
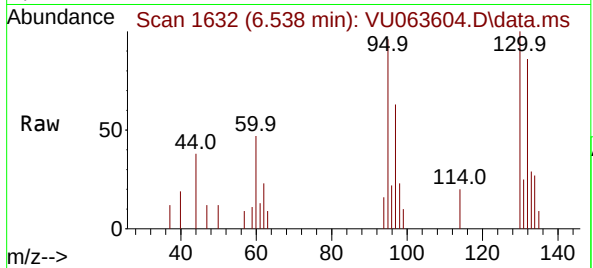


#34
Trichloroethene
Concen: 0.199 ug/L
RT: 6.538 min Scan# 1632
Delta R.T. 0.003 min
Lab File: VU063604.D
Acq: 17 Sep 2025 14:01

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-05

Tgt Ion: 95 Resp: 2331

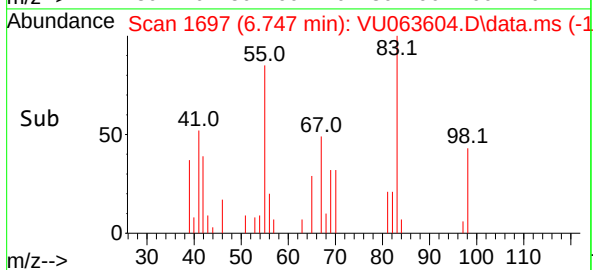
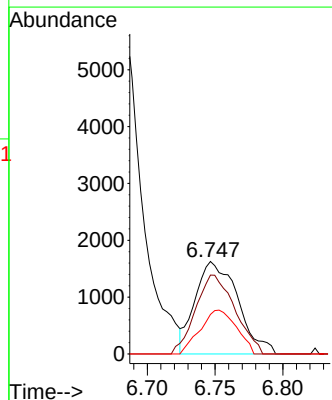
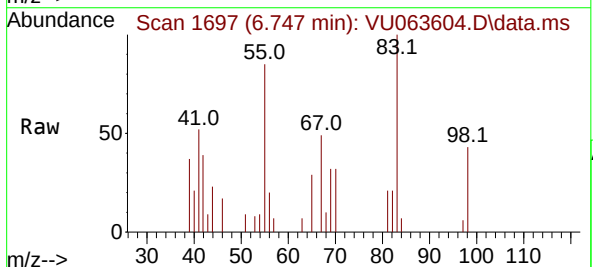
Ion	Ratio	Lower	Upper
95	100		
97	65.8	44.0	81.6
132	89.2	67.1	124.5
130	103.9	68.5	127.1

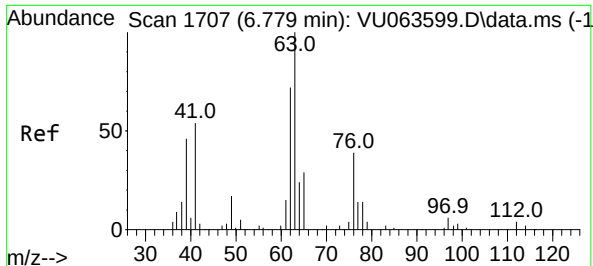


#35
Methylcyclohexane
Concen: 0.199 ug/L
RT: 6.747 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VU063604.D
Acq: 17 Sep 2025 14:01

Tgt Ion: 83 Resp: 3558

Ion	Ratio	Lower	Upper
83	100		
55	78.8	63.9	95.9
98	40.3	36.2	54.2





#37

1,2-Dichloropropane

Concen: 0.202 ug/L

RT: 6.779 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU063604.D

Acq: 17 Sep 2025 14:01

Instrument :

MSVOA_U

ClientSampleId :

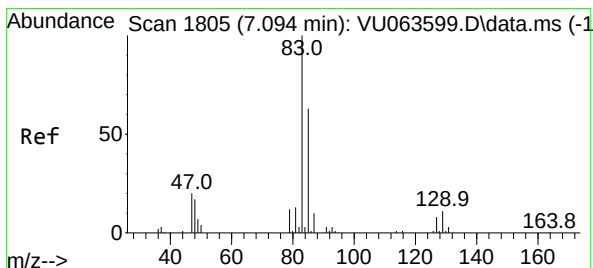
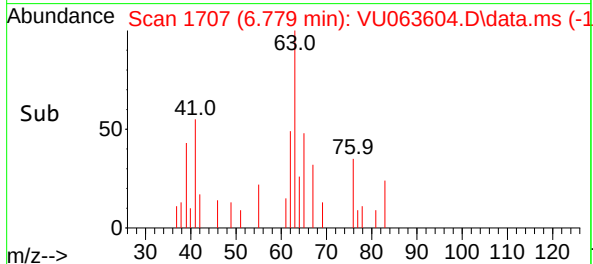
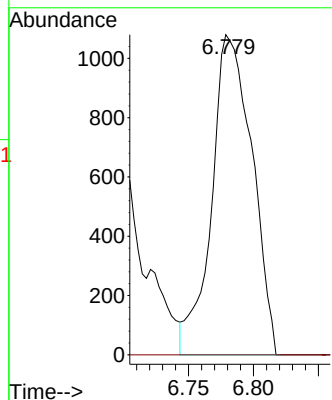
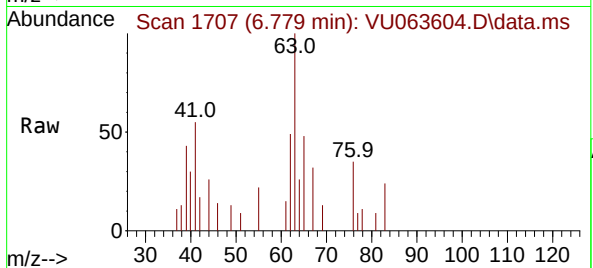
MDL-WATER-QT3-2025-05

Tgt Ion: 63 Resp: 2332

Ion Ratio Lower Upper

63 100

112 0.0 2.8 4.2#



#38

Bromodichloromethane

Concen: 0.191 ug/L

RT: 7.097 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VU063604.D

Acq: 17 Sep 2025 14:01

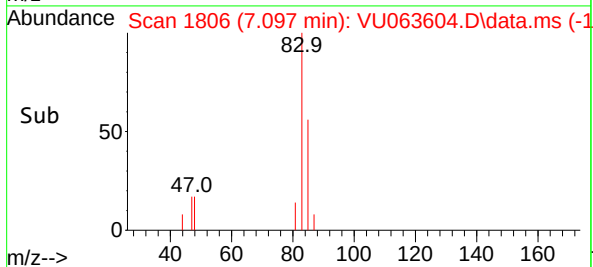
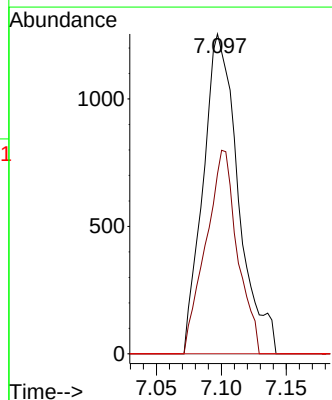
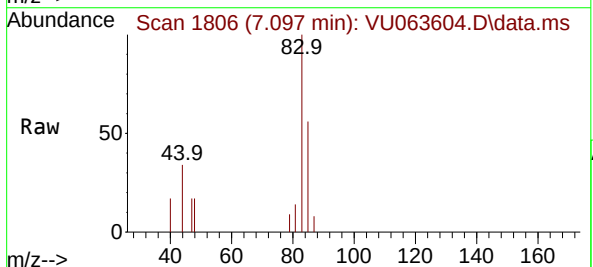
Tgt Ion: 83 Resp: 2368

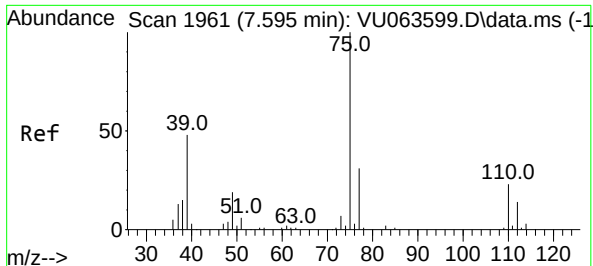
Ion Ratio Lower Upper

83 100

85 56.3 44.4 82.4

127 0.0 6.2 9.2#





#39

cis-1,3-Dichloropropene

Concen: 0.196 ug/L

RT: 7.605 min Scan# 1961

Delta R.T. 0.007 min

Lab File: VU063604.D

Acq: 17 Sep 2025 14:01

Instrument :

MSVOA_U

ClientSampleId :

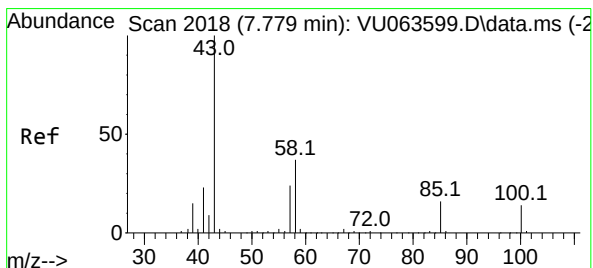
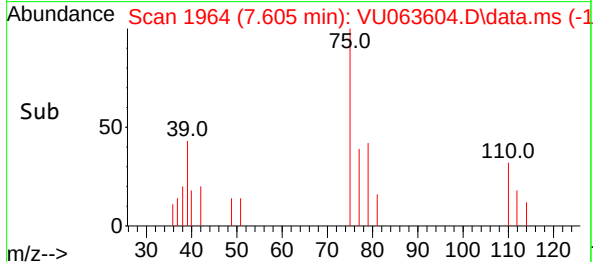
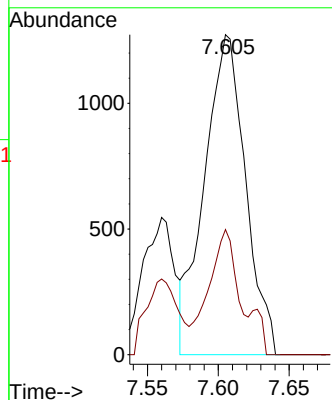
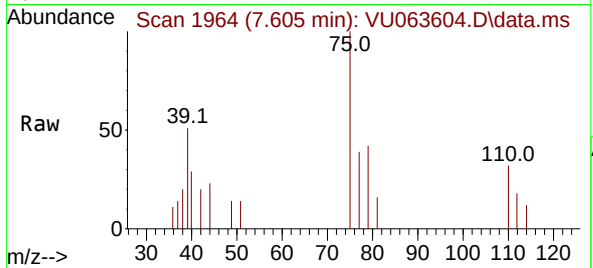
MDL-WATER-QT3-2025-05

Tgt Ion: 75 Resp: 2570

Ion Ratio Lower Upper

75 100

77 39.1 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 1.709 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.010 min

Lab File: VU063604.D

Acq: 17 Sep 2025 14:01

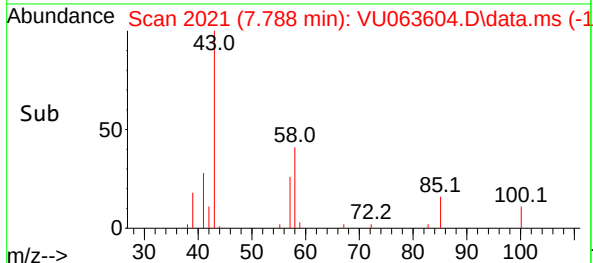
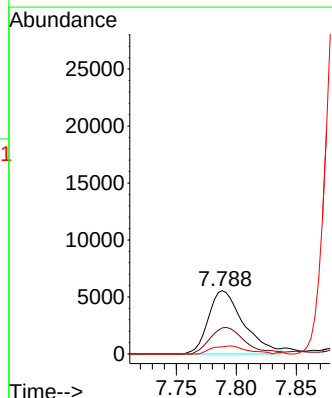
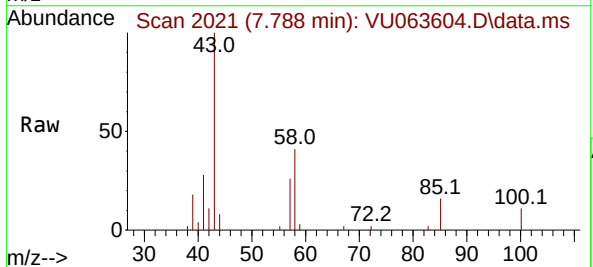
Tgt Ion: 43 Resp: 11320

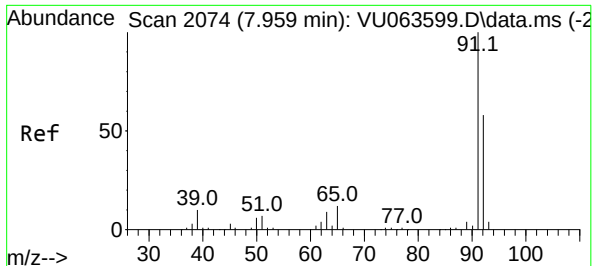
Ion Ratio Lower Upper

43 100

58 41.6 29.6 44.4

100 0.0 10.6 16.0





#42

Toluene

Concen: 0.207 ug/L

RT: 7.968 min Scan# 2074

Delta R.T. 0.007 min

Lab File: VU063604.D

Acq: 17 Sep 2025 14:01

Instrument :

MSVOA_U

ClientSampleId :

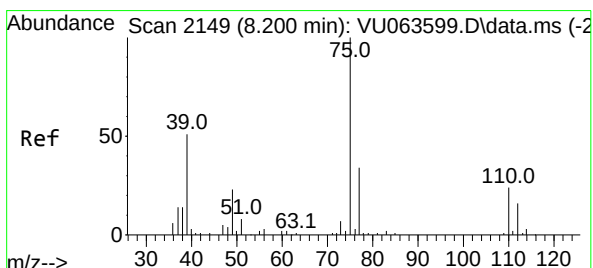
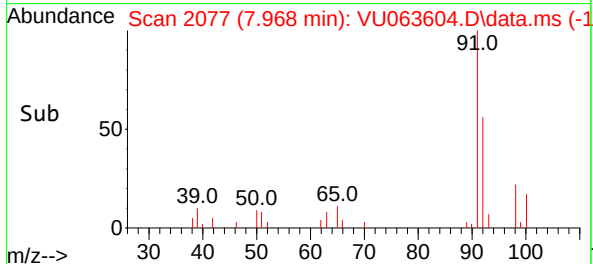
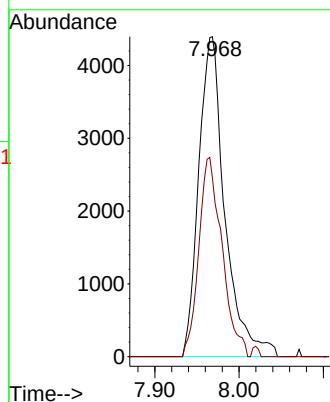
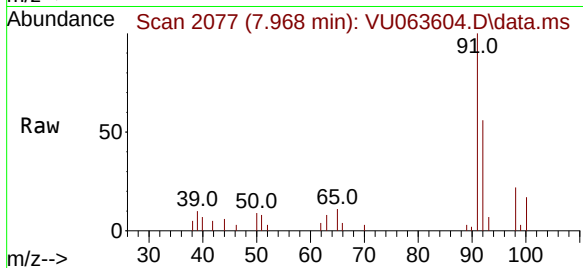
MDL-WATER-QT3-2025-05

Tgt Ion: 91 Resp: 9485

Ion Ratio Lower Upper

91 100

92 56.0 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 0.185 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU063604.D

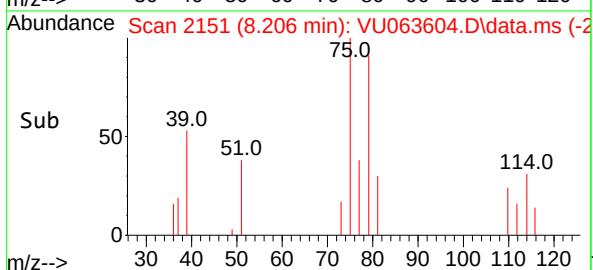
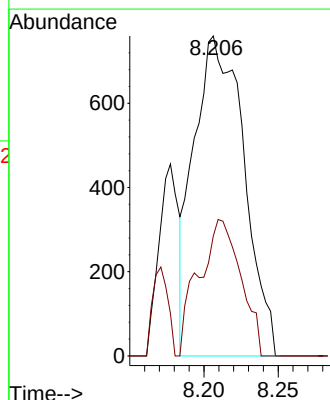
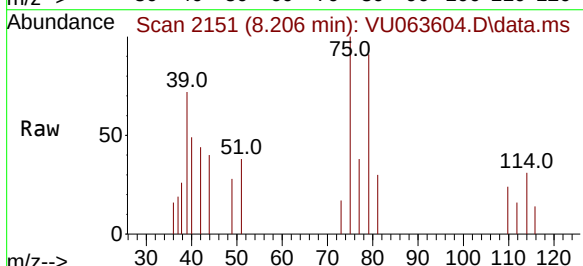
Acq: 17 Sep 2025 14:01

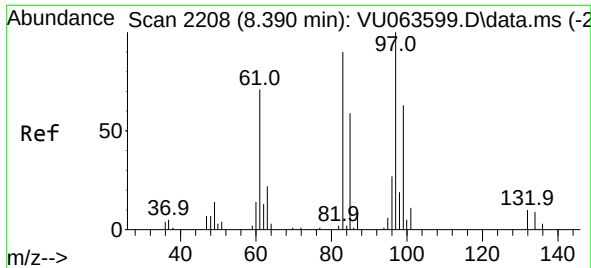
Tgt Ion: 75 Resp: 1781

Ion Ratio Lower Upper

75 100

77 37.5 23.7 44.1

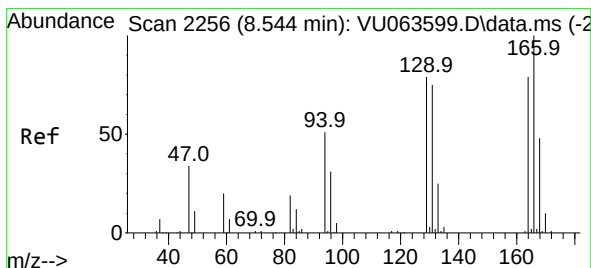
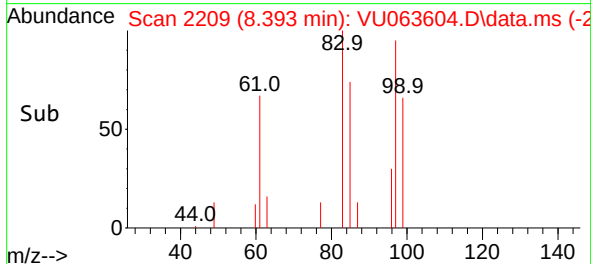
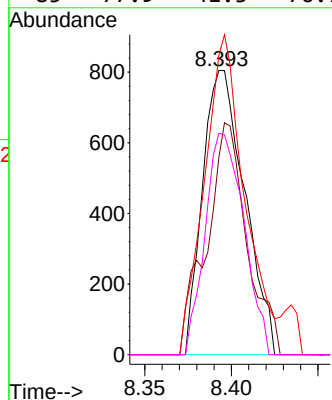
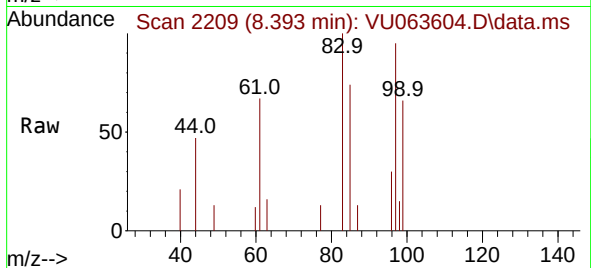




#45
1,1,2-Trichloroethane
Concen: 0.172 ug/L
RT: 8.393 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063604.D
Acq: 17 Sep 2025 14:01

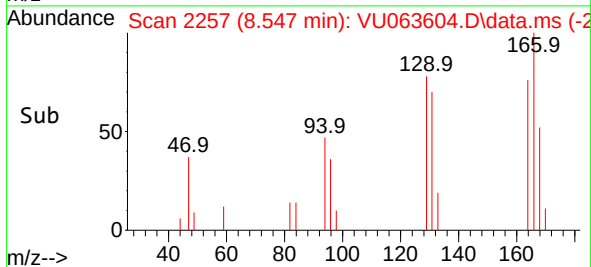
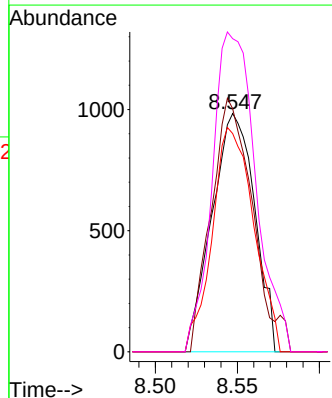
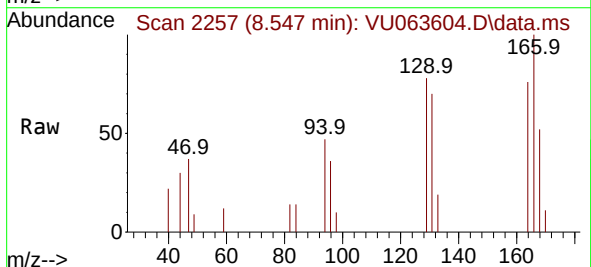
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-05

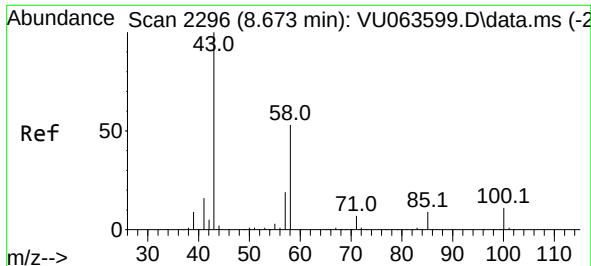
Tgt Ion: 97	Resp: 1359
Ion Ratio	Lower Upper
97 100	
99 69.6	44.0 81.6
83 105.3	63.1 117.3
85 77.9	41.3 76.7



#47
Tetrachloroethene
Concen: 0.199 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.003 min
Lab File: VU063604.D
Acq: 17 Sep 2025 14:01

Tgt Ion: 164	Resp: 1781
Ion Ratio	Lower Upper
164 100	
129 102.0	70.0 130.0
131 91.7	67.1 124.5
166 131.4	89.0 165.2

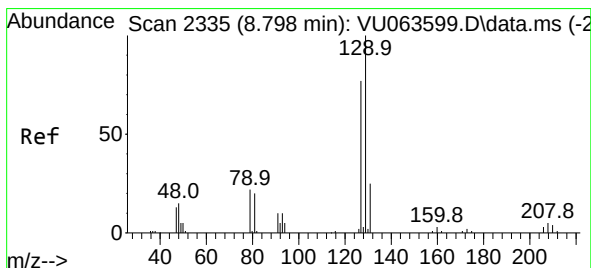
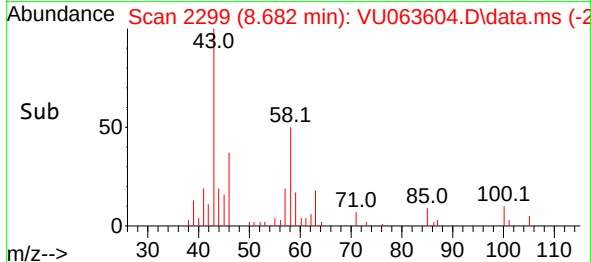
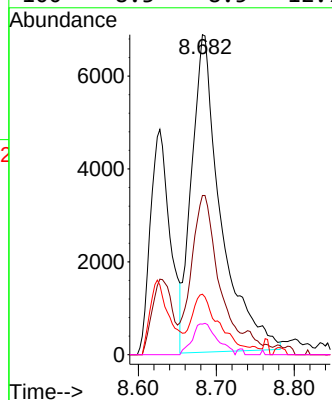
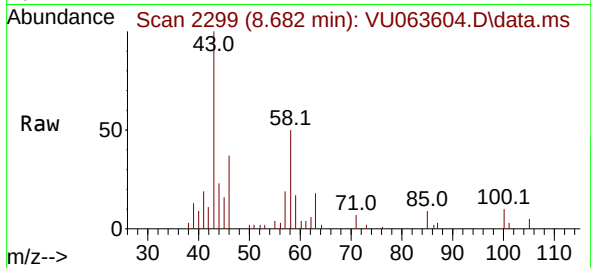




#48
2-Hexanone
Concen: 3.826 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.010 min
Lab File: VU063604.D
Acq: 17 Sep 2025 14:01

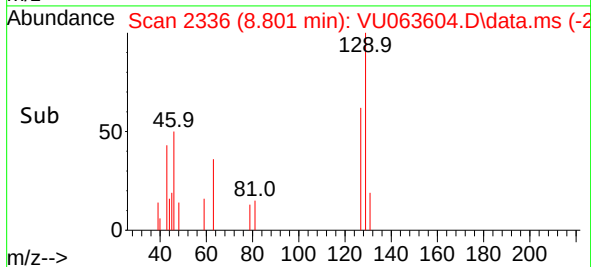
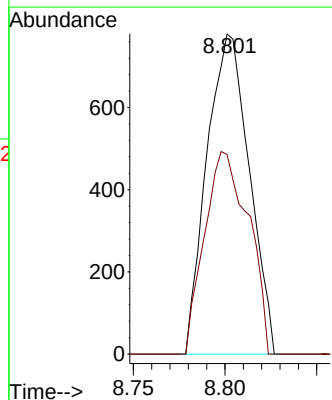
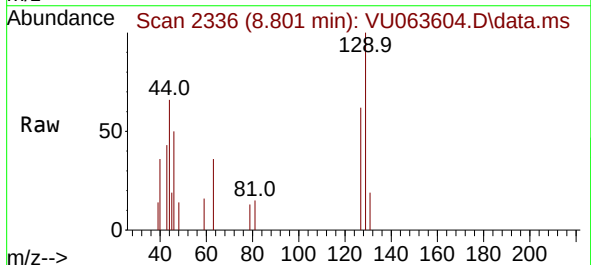
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2025-05

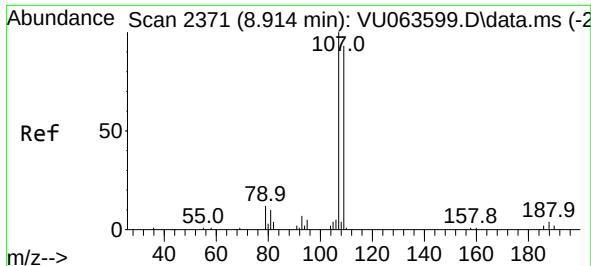
Tgt Ion:	43	Resp:	17774
Ion	Ratio	Lower	Upper
43	100		
58	38.4	42.2	63.2#
57	18.8	15.0	22.4
100	8.3	8.5	12.7#



#49
Dibromochloromethane
Concen: 0.173 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VU063604.D
Acq: 17 Sep 2025 14:01

Tgt Ion:	129	Resp:	1250
Ion	Ratio	Lower	Upper
129	100		
127	62.4	54.3	100.8





#50

1,2-Dibromoethane

Concen: 0.172 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.007 min

Lab File: VU063604.D

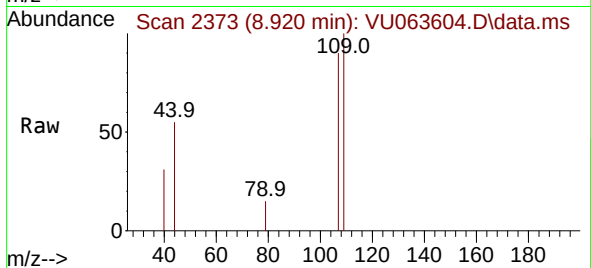
Acq: 17 Sep 2025 14:01

Instrument :

MSVOA_U

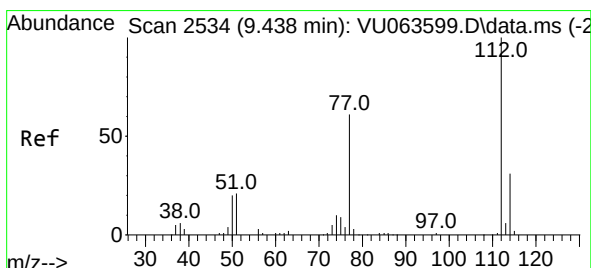
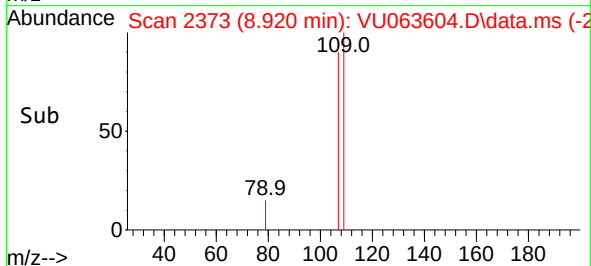
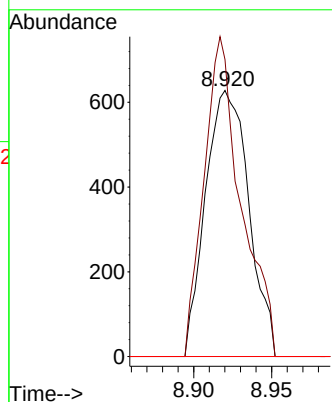
ClientSampleId :

MDL-WATER-QT3-2025-05



Tgt Ion:107 Resp: 1213

Ion	Ratio	Lower	Upper
107	100		
109	111.6	65.4	121.4
188	0.0	2.8	4.2#



#51

Chlorobenzene

Concen: 0.212 ug/L

RT: 9.438 min Scan# 2534

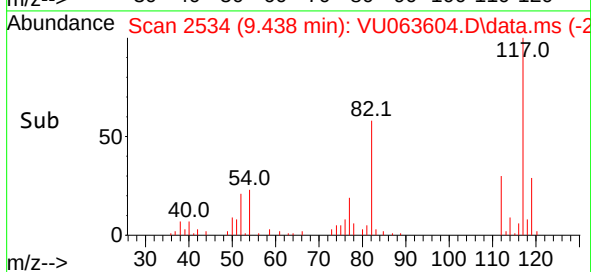
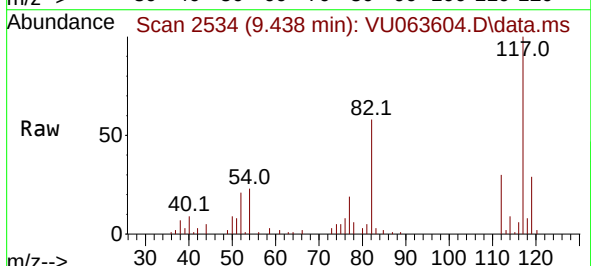
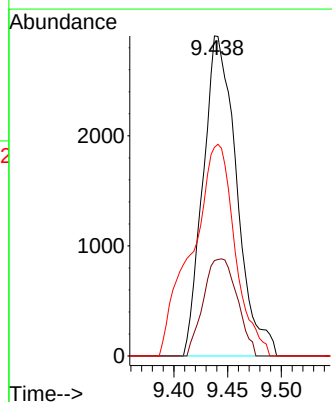
Delta R.T. 0.000 min

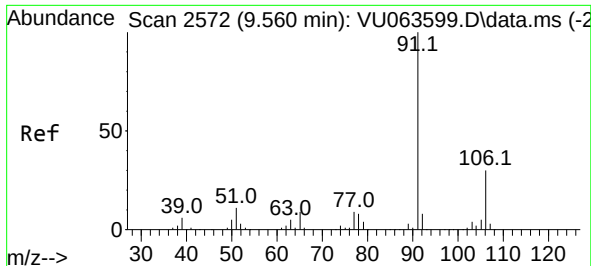
Lab File: VU063604.D

Acq: 17 Sep 2025 14:01

Tgt Ion:112 Resp: 6294

Ion	Ratio	Lower	Upper
112	100		
114	29.8	22.0	41.0
77	65.2	48.9	73.3

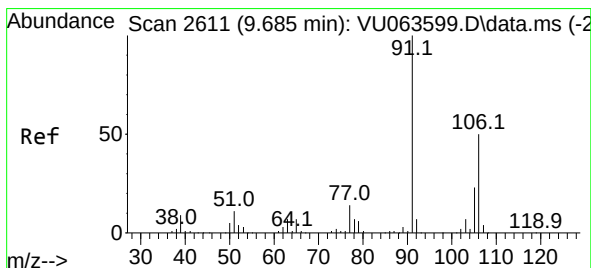
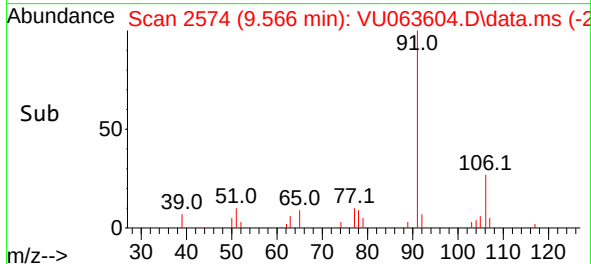
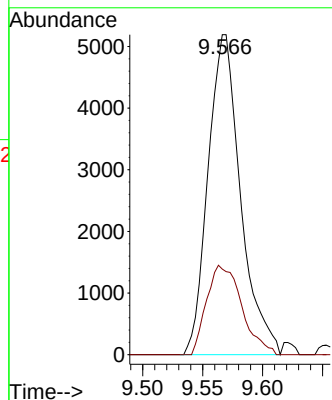
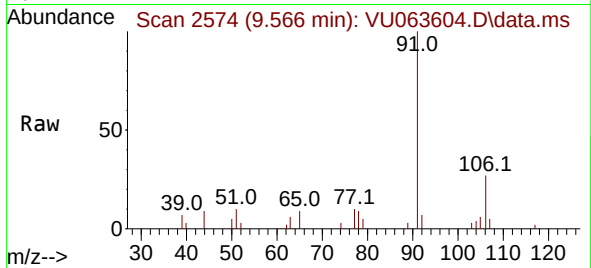




#52
Ethylbenzene
Concen: 0.194 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063604.D
Acq: 17 Sep 2025 14:01

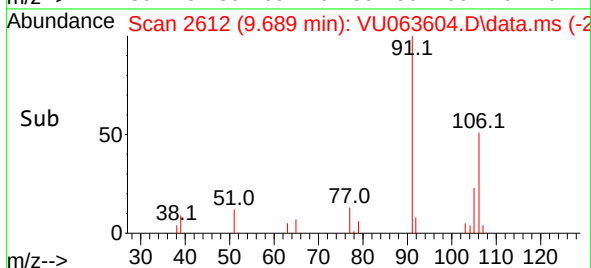
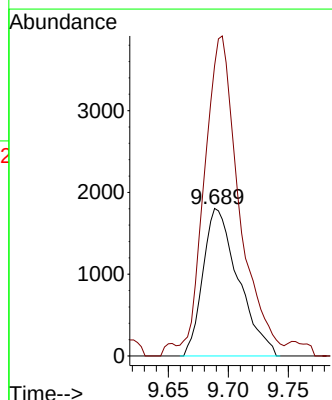
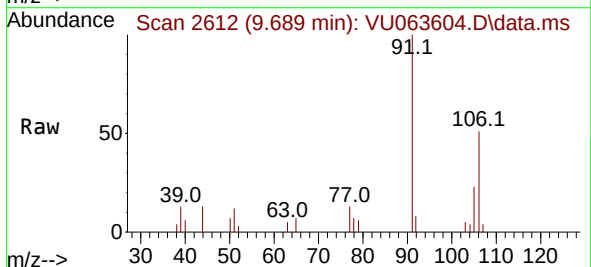
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-05

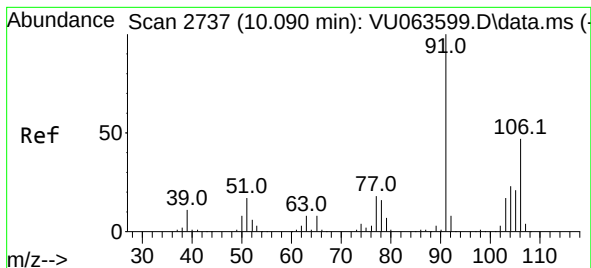
Tgt Ion: 91 Resp: 9787
Ion Ratio Lower Upper
91 100
106 26.8 21.2 39.4



#53
m,p-Xylene
Concen: 0.196 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.003 min
Lab File: VU063604.D
Acq: 17 Sep 2025 14:01

Tgt Ion: 106 Resp: 3707
Ion Ratio Lower Upper
106 100
91 196.8 141.5 262.7





#54

o-Xylene

Concen: 0.187 ug/L

RT: 10.094 min Scan# 2737

Delta R.T. 0.000 min

Lab File: VU063604.D

Acq: 17 Sep 2025 14:01

Instrument :

MSVOA_U

ClientSampleId :

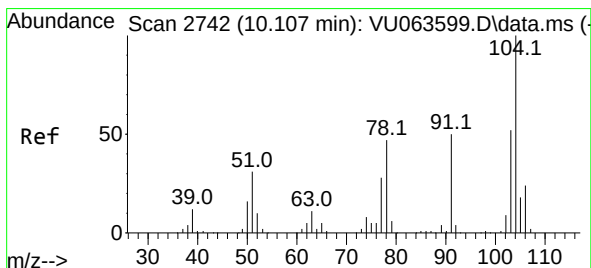
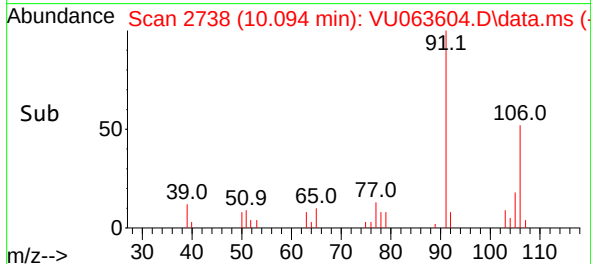
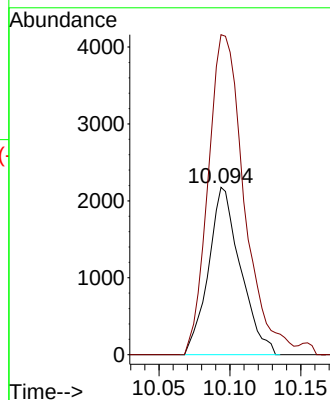
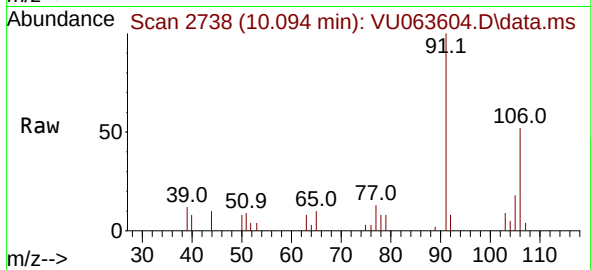
MDL-WATER-QT3-2025-05

Tgt Ion:106 Resp: 3421

Ion Ratio Lower Upper

106 100

91 191.2 149.4 277.4



#55

Styrene

Concen: 0.179 ug/L

RT: 10.119 min Scan# 2746

Delta R.T. 0.013 min

Lab File: VU063604.D

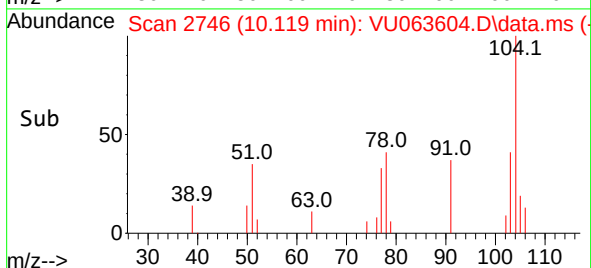
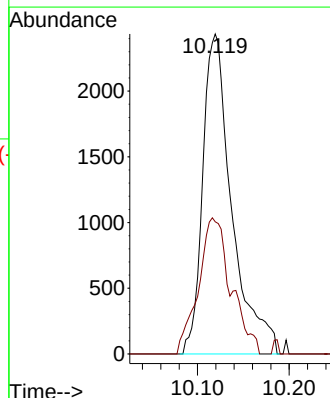
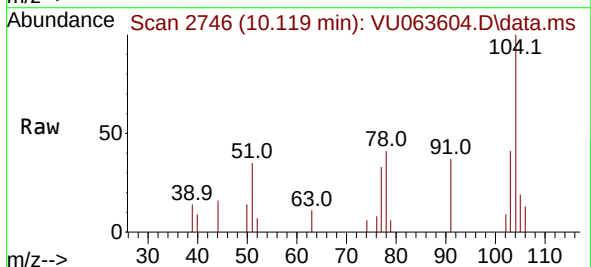
Acq: 17 Sep 2025 14:01

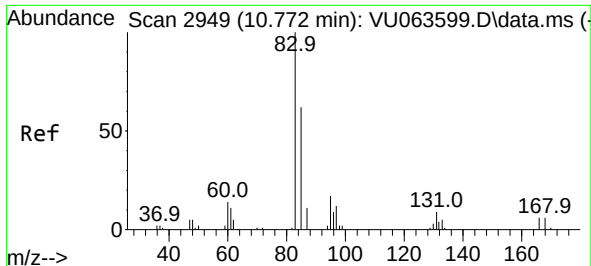
Tgt Ion:104 Resp: 5366

Ion Ratio Lower Upper

104 100

78 41.3 32.8 61.0





#57

1,1,2,2-Tetrachloroethane

Concen: 0.216 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VU063604.D

Acq: 17 Sep 2025 14:01

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2025-05

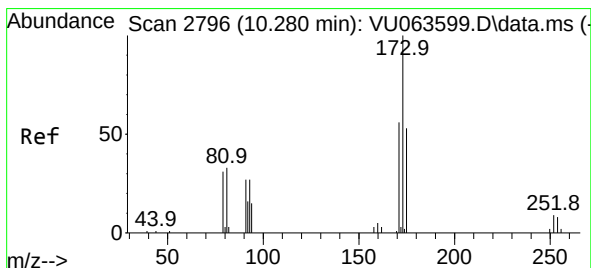
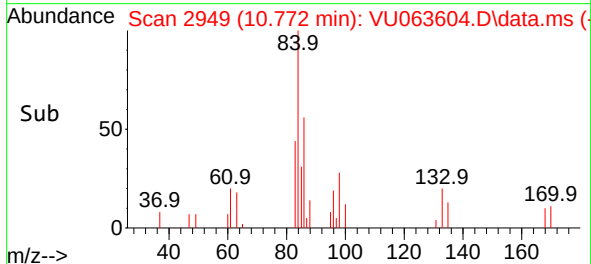
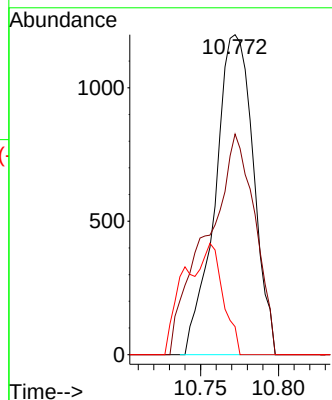
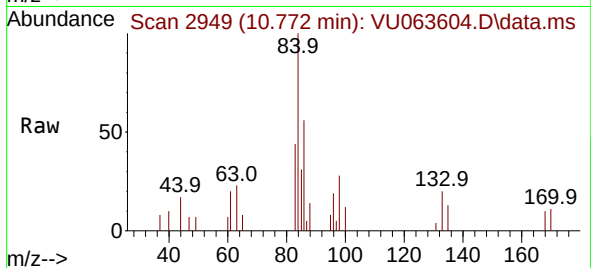
Tgt Ion: 83 Resp: 2048

Ion Ratio Lower Upper

83 100

85 69.0 43.5 80.7

131 8.8 7.3 10.9



#59

Bromoform

Concen: 0.154 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. 0.003 min

Lab File: VU063604.D

Acq: 17 Sep 2025 14:01

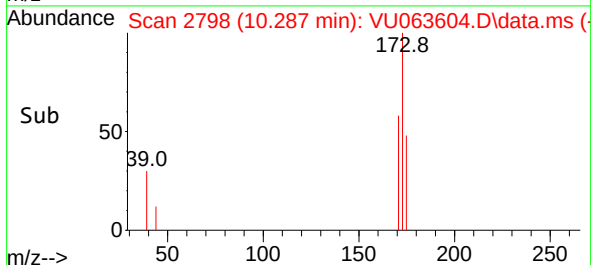
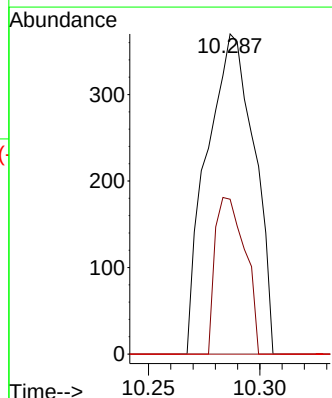
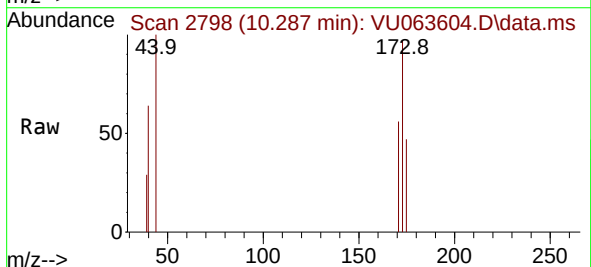
Tgt Ion: 173 Resp: 546

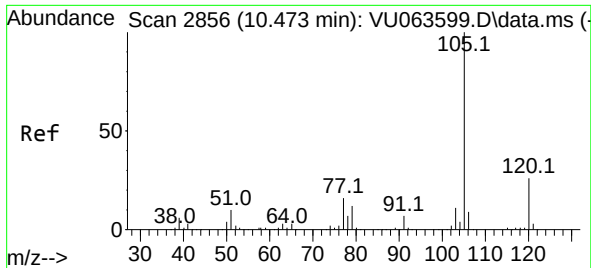
Ion Ratio Lower Upper

173 100

175 31.0 40.3 60.5#

254 0.0 6.4 9.6#

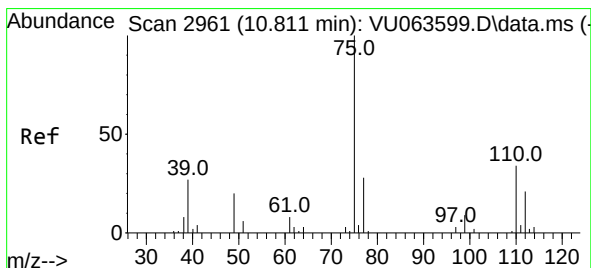
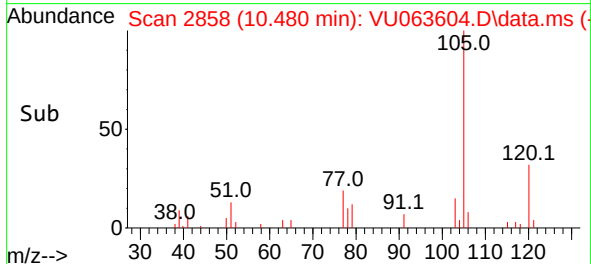
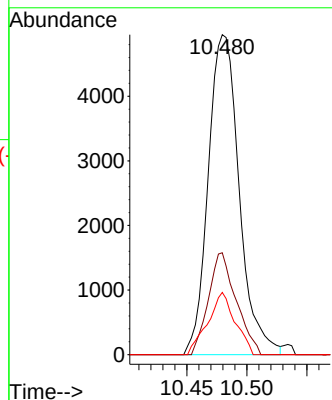
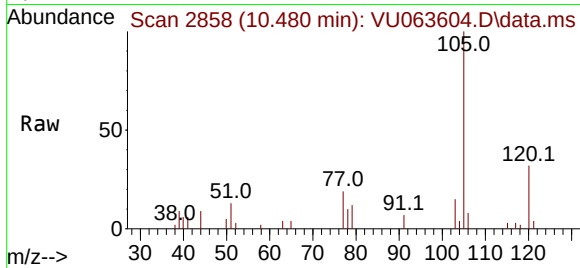




#60
Isopropylbenzene
Concen: 0.189 ug/L
RT: 10.480 min Scan# 2858
Delta R.T. 0.003 min
Lab File: VU063604.D
Acq: 17 Sep 2025 14:01

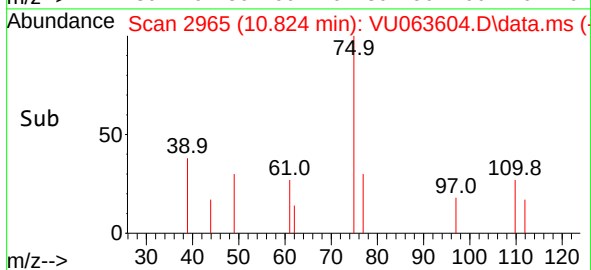
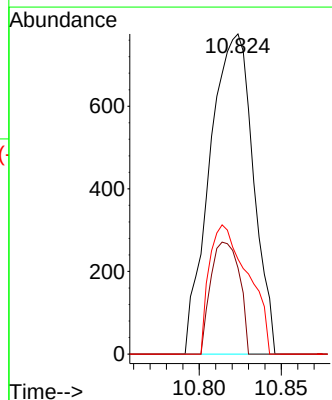
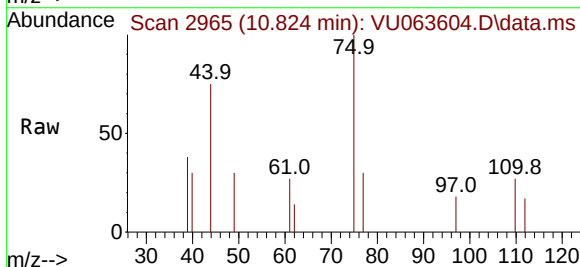
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-05

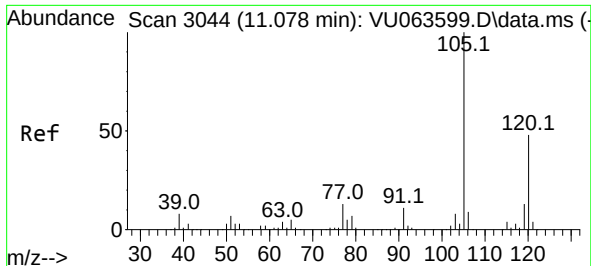
Tgt Ion:	105	Resp:	8883
Ion	Ratio	Lower	Upper
105	100		
120	28.6	20.9	31.3
77	17.1	13.2	19.8



#61
1,2,3-Trichloropropane
Concen: 0.220 ug/L
RT: 10.824 min Scan# 2965
Delta R.T. 0.010 min
Lab File: VU063604.D
Acq: 17 Sep 2025 14:01

Tgt Ion:	75	Resp:	1427
Ion	Ratio	Lower	Upper
75	100		
110	23.0	28.3	42.5#
77	35.9	25.2	37.8

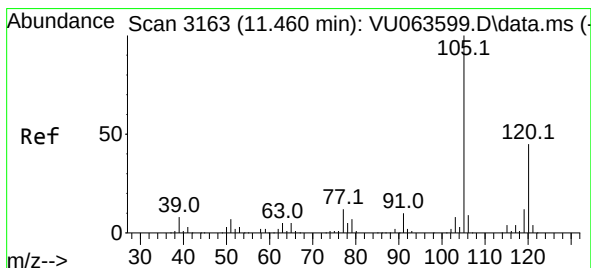
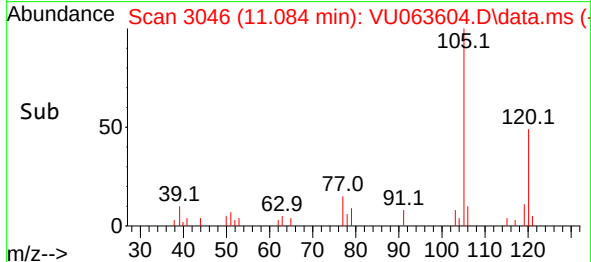
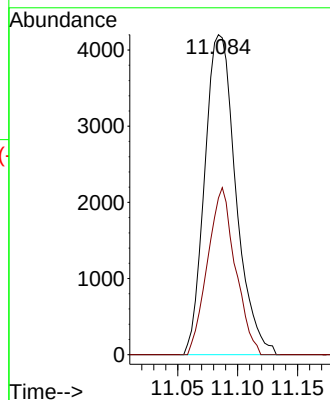
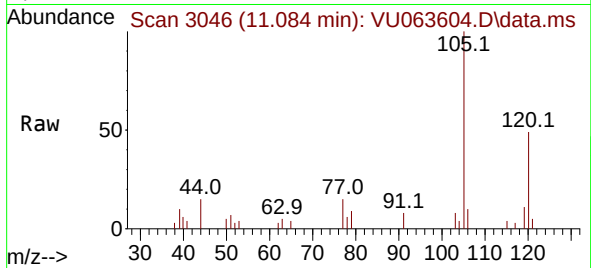




#62
1,3,5-Trimethylbenzene
Concen: 0.199 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.003 min
Lab File: VU063604.D
Acq: 17 Sep 2025 14:01

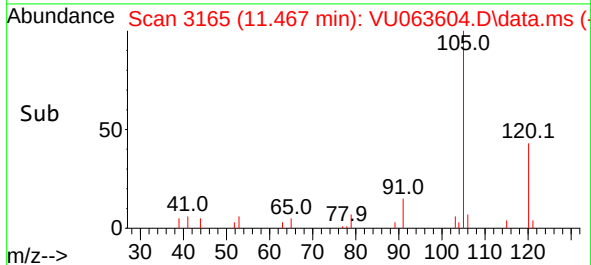
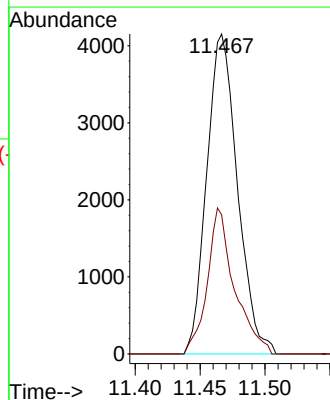
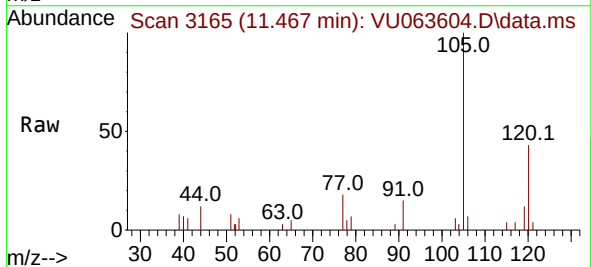
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-05

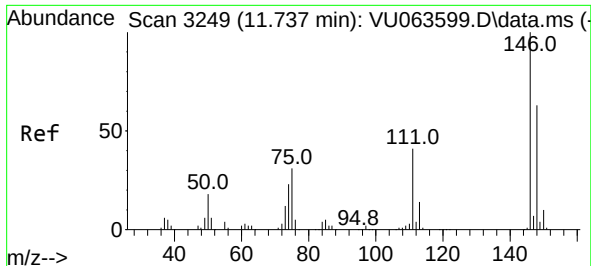
Tgt Ion:105 Resp: 7596
Ion Ratio Lower Upper
105 100
120 46.4 38.4 57.6



#63
1,2,4-Trimethylbenzene
Concen: 0.187 ug/L
RT: 11.467 min Scan# 3165
Delta R.T. 0.007 min
Lab File: VU063604.D
Acq: 17 Sep 2025 14:01

Tgt Ion:105 Resp: 6831
Ion Ratio Lower Upper
105 100
120 40.3 35.3 52.9

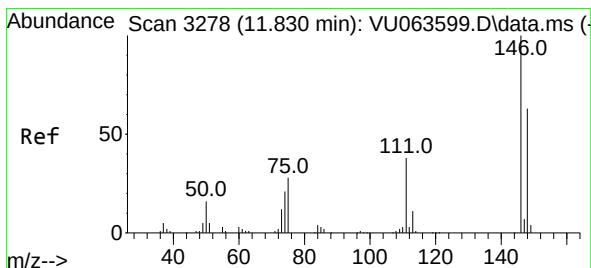
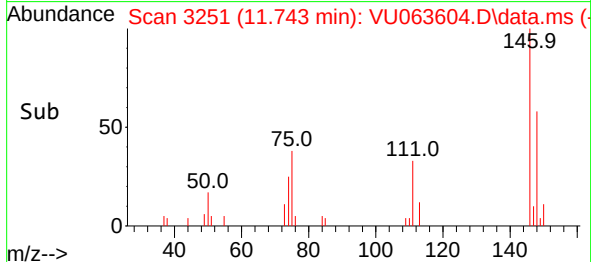
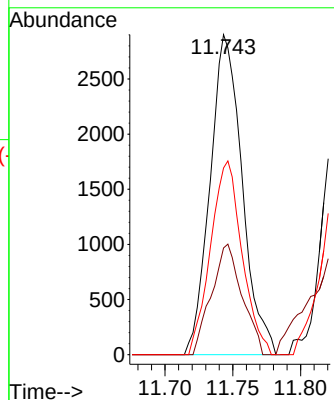
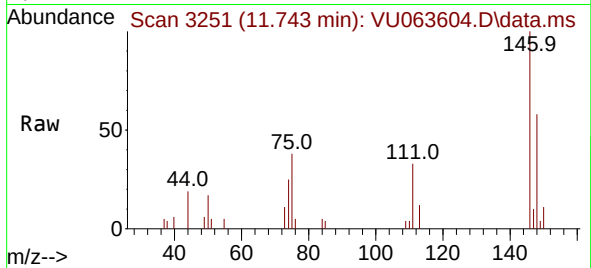




#64
1,3-Dichlorobenzene
Concen: 0.227 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU063604.D
Acq: 17 Sep 2025 14:01

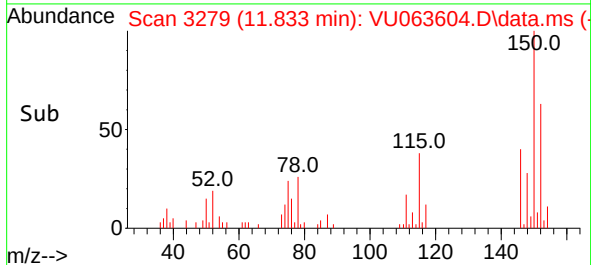
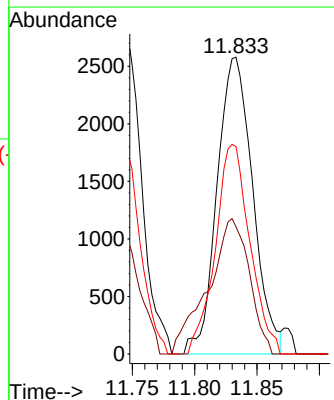
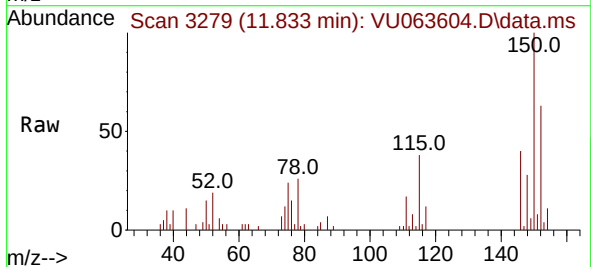
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-05

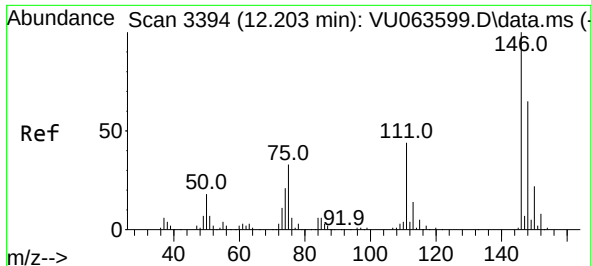
Tgt Ion:146 Resp: 4780
Ion Ratio Lower Upper
146 100
111 33.4 29.0 53.8
148 58.4 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 0.241 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU063604.D
Acq: 17 Sep 2025 14:01

Tgt Ion:146 Resp: 5135
Ion Ratio Lower Upper
146 100
111 42.8 27.2 50.4
148 69.8 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 0.229 ug/L

RT: 12.206 min Scan# 3111

Delta R.T. 0.003 min

Lab File: VU063604.D

Acq: 17 Sep 2025 14:01

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2025-05

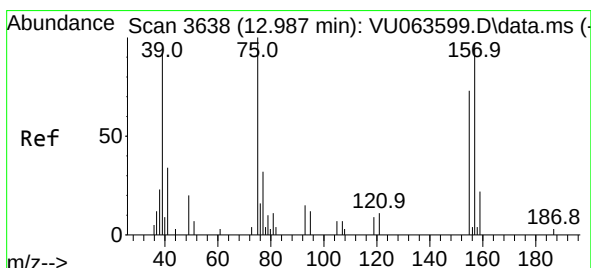
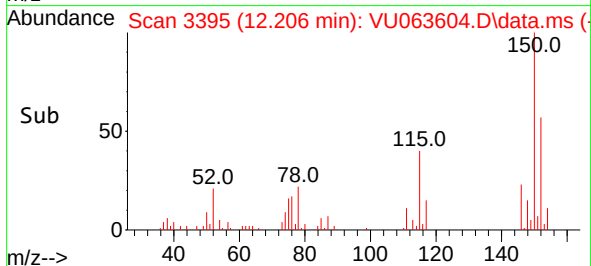
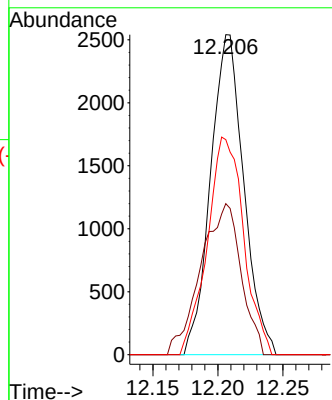
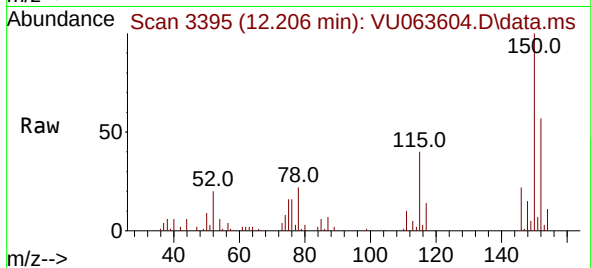
Tgt Ion:146 Resp: 4508

Ion Ratio Lower Upper

146 100

111 47.2 35.5 53.3

148 67.2 52.1 78.1



#68

1,2-Dibromo-3-chloropropane

Concen: 0.358 ug/L

RT: 13.222 min Scan# 3711

Delta R.T. 0.232 min

Lab File: VU063604.D

Acq: 17 Sep 2025 14:01

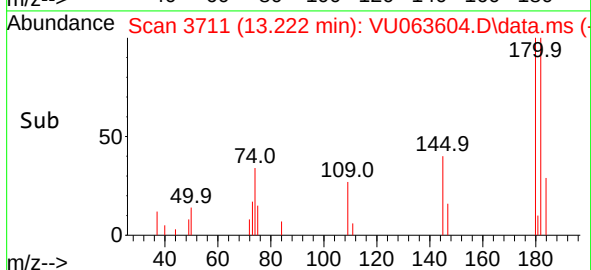
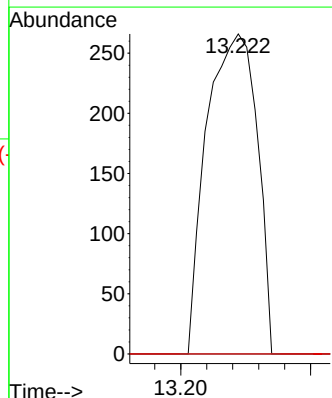
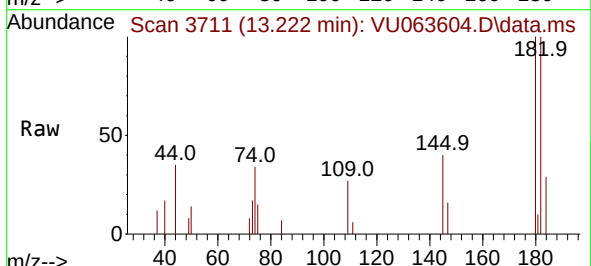
Tgt Ion: 75 Resp: 358

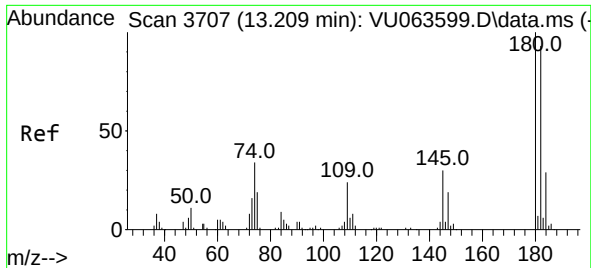
Ion Ratio Lower Upper

75 100

155 0.0 58.4 87.6#

157 0.0 77.8 116.8#

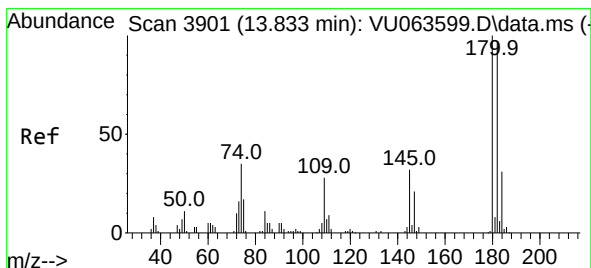
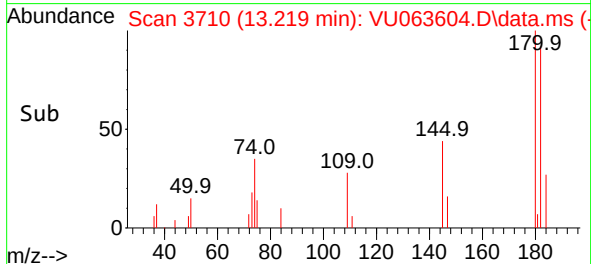
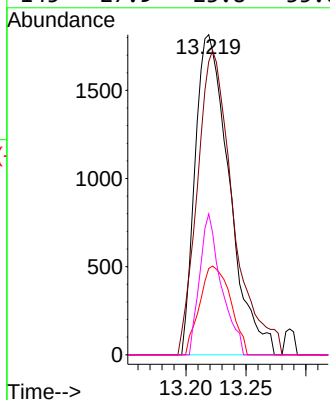
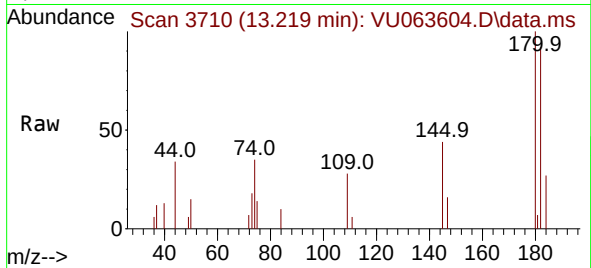




#69
1,3,5-Trichlorobenzene
Concen: 0.228 ug/L
RT: 13.219 min Scan# 31
Delta R.T. 0.007 min
Lab File: VU063604.D
Acq: 17 Sep 2025 14:01

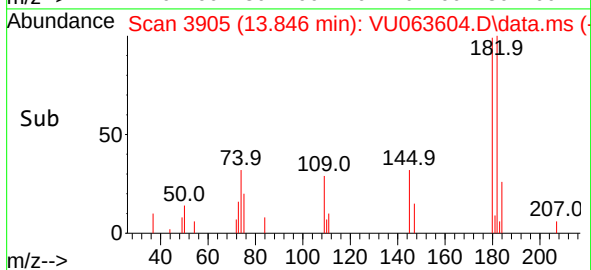
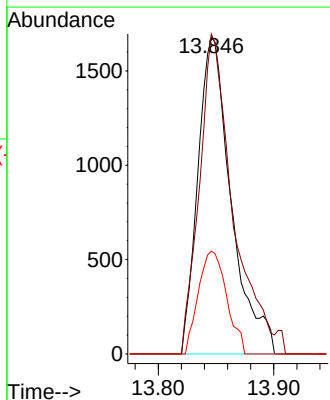
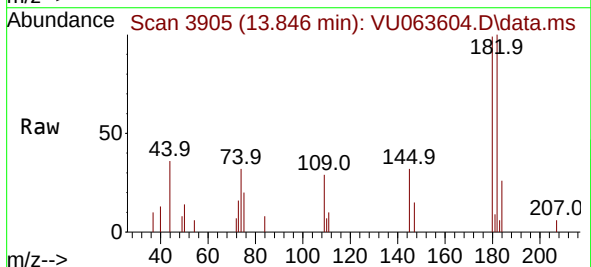
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-05

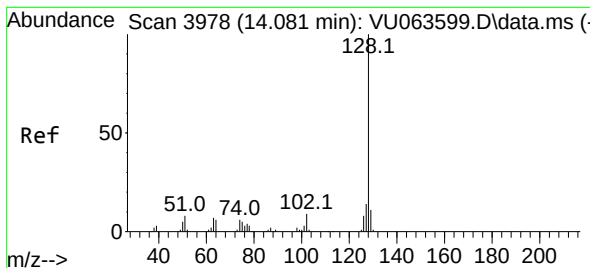
Tgt	Ion:180	Resp:	3597
Ion	Ratio	Lower	Upper
180	100		
182	99.2	74.6	111.8
184	25.0	23.4	35.2
145	27.9	23.8	35.6



#70
1,2,4-trichlorobenzene
Concen: 0.276 ug/L
RT: 13.846 min Scan# 3905
Delta R.T. 0.013 min
Lab File: VU063604.D
Acq: 17 Sep 2025 14:01

Tgt Ion:180	Resp:	3362	
Ion	Ratio	Lower	Upper
180	100		
182	102.7	76.6	114.8
145	27.6	25.0	37.4





#71

Naphthalene

Concen: 0.288 ug/L

RT: 14.106 min Scan# 3978

Delta R.T. 0.023 min

Lab File: VU063604.D

Acq: 17 Sep 2025 14:01

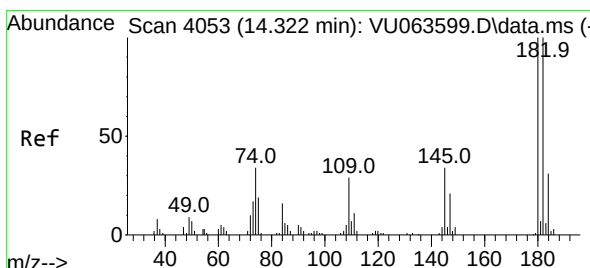
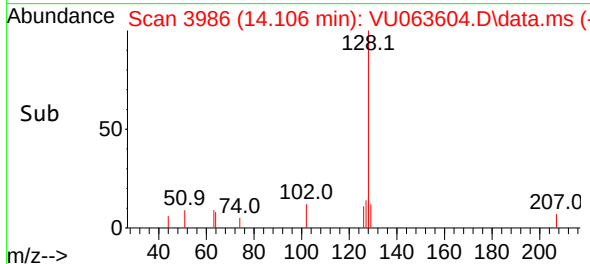
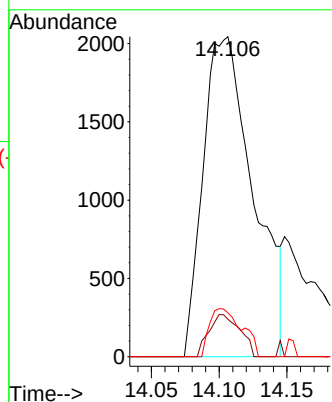
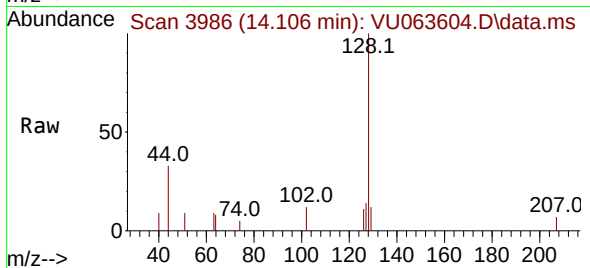
Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2025-05

Tgt Ion:128	Resp:	5252
Ion Ratio	Lower	Upper
128	100	
129	8.2	8.8 13.2#
127	9.7	11.0 16.4#



#72

1,2,3-Trichlorobenzene

Concen: 0.303 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. 0.007 min

Lab File: VU063604.D

Acq: 17 Sep 2025 14:01

Tgt Ion:180	Resp:	3171
Ion Ratio	Lower	Upper
180	100	
182	93.9	78.2 117.2
145	31.5	26.0 39.0

