

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U091825\
 Data File : VU063609.D
 Acq On : 18 Sep 2025 10:09
 Operator : MD/SY
 Sample : Q2899-02
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2025-06

Quant Time: Sep 19 06:37:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 19 06:13:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	149197	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	137238	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	65913	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.589	65	35038	4.568	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.400%
7) Chloroethane-d5	1.898	69	34325	4.655	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.200%
11) 1,1-Dichloroethene-d2	2.550	65	15948	4.358	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.200%
20) 2-Butanone-d5	4.621	46	98117	44.453	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.900%
24) Chloroform-d	5.049	84	79591	4.342	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.800%
26) 1,2-Dichloroethane-d4	5.692	65	44825	4.586	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.800%
32) Benzene-d6	5.714	84	150202	4.558	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.200%
36) 1,2-Dichloropropane-d6	6.679	67	52474	4.920	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.400%
41) Toluene-d8	7.888	98	136522	4.617	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.400%
43) trans-1,3-Dichloroprop...	8.174	79	12685	4.344	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.800%
46) 2-Hexanone-d5	8.624	63	71426	46.432	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.860%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	38585	4.487	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	49003	4.785	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	2840	0.239	ug/L #	87
3) Chloromethane	1.512	50	3317	0.252	ug/L	96
5) Vinyl chloride	1.592	62	3832	0.272	ug/L	85
6) Bromomethane	1.840	94	2533	0.305	ug/L	87
8) Chloroethane	1.920	64	1883	0.217	ug/L	90
9) Trichlorofluoromethane	2.126	101	4223	0.229	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	2800	0.269	ug/L	91
12) 1,1-Dichloroethene	2.567	96	2396	0.248	ug/L #	1
13) Acetone	2.634	43	4298	2.217	ug/L	94
14) Carbon disulfide	2.779	76	5999	0.235	ug/L	98
15) Methyl Acetate	2.956	43	257	0.059	ug/L #	53
16) Methylene chloride	3.033	84	4116	0.364	ug/L	93
17) Methyl tert-butyl Ether	3.354	73	5129	0.216	ug/L	96
18) trans-1,2-Dichloroethene	3.351	96	2335	0.234	ug/L	95
19) 1,1-Dichloroethane	3.859	63	4462	0.220	ug/L #	81
21) 2-Butanone	4.734	43	4195	1.492	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	2064	0.182	ug/L	96
23) Bromochloromethane	4.968	128	930	0.185	ug/L	92
25) Chloroform	5.084	83	5311	0.255	ug/L	99

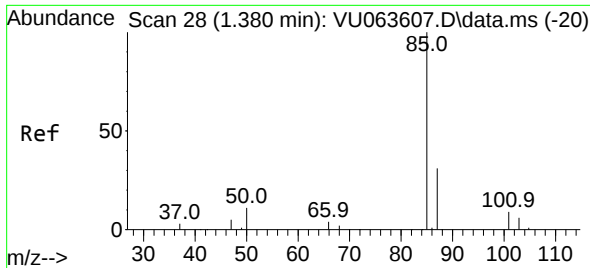
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.795	62	3426	0.248	ug/L #	76
29) 1,1,1-Trichloroethane	5.300	97	3471	0.221	ug/L	98
30) Cyclohexane	5.370	56	4164	0.224	ug/L	91
31) Carbon tetrachloride	5.518	117	2387	0.194	ug/L	91
33) Benzene	5.763	78	10638	0.248	ug/L	100
34) Trichloroethene	6.531	95	2922	0.248	ug/L	93
35) Methylcyclohexane	6.750	83	4320	0.241	ug/L	96
37) 1,2-Dichloropropane	6.782	63	2222	0.191	ug/L #	89
38) Bromodichloromethane	7.094	83	2635	0.212	ug/L #	94
39) cis-1,3-Dichloropropene	7.602	75	3092	0.235	ug/L	93
40) 4-Methyl-2-pentanone	7.788	43	14377	2.162	ug/L #	89
42) Toluene	7.965	91	11018	0.240	ug/L	97
44) trans-1,3-Dichloropropene	8.209	75	2388	0.247	ug/L	90
45) 1,1,2-Trichloroethane	8.396	97	1827	0.230	ug/L #	90
47) Tetrachloroethene	8.547	164	2068	0.230	ug/L	90
48) 2-Hexanone	8.679	43	18604	3.988	ug/L #	91
49) Dibromochloromethane	8.801	129	1463	0.201	ug/L	96
50) 1,2-Dibromoethane	8.917	107	1527	0.215	ug/L #	96
51) Chlorobenzene	9.441	112	6825	0.229	ug/L	95
52) Ethylbenzene	9.566	91	11365	0.224	ug/L	100
53) m,p-Xylene	9.695	106	4355	0.229	ug/L	91
54) o-Xylene	10.097	106	3808	0.207	ug/L	95
55) Styrene	10.116	104	5857	0.194	ug/L #	79
57) 1,1,2,2-Tetrachloroethane	10.769	83	2362	0.249	ug/L #	92
59) Bromoform	10.283	173	787	0.221	ug/L #	92
60) Isopropylbenzene	10.479	105	11149	0.235	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	1581	0.242	ug/L	90
62) 1,3,5-Trimethylbenzene	11.084	105	8712	0.226	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	8232	0.224	ug/L	94
64) 1,3-Dichlorobenzene	11.746	146	5056	0.238	ug/L	96
65) 1,4-Dichlorobenzene	11.830	146	5739	0.268	ug/L	98
67) 1,2-Dichlorobenzene	12.203	146	4853	0.245	ug/L #	91
68) 1,2-Dibromo-3-chloropr...	12.997	75	154	0.153	ug/L #	84
69) 1,3,5-Trichlorobenzene	13.843	180	3596	0.226	ug/L	98
70) 1,2,4-trichlorobenzene	13.843	180	3596	0.293	ug/L	96
71) Naphthalene	14.100	128	5614	0.306	ug/L #	92
72) 1,2,3-Trichlorobenzene	14.331	180	2998	0.285	ug/L	98

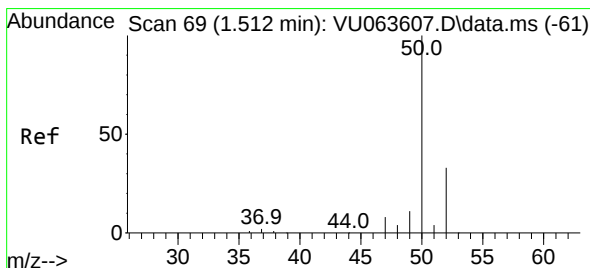
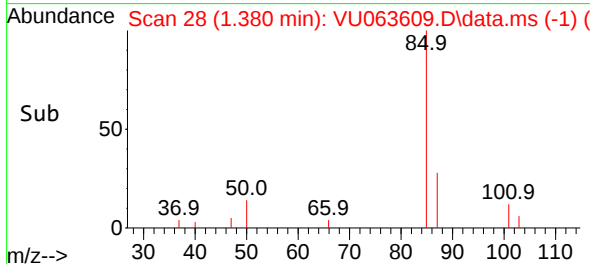
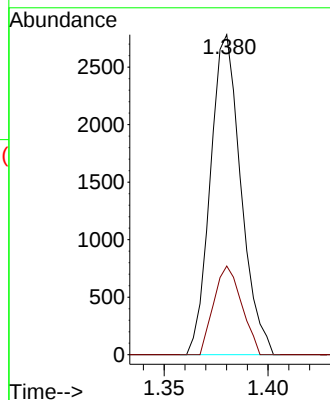
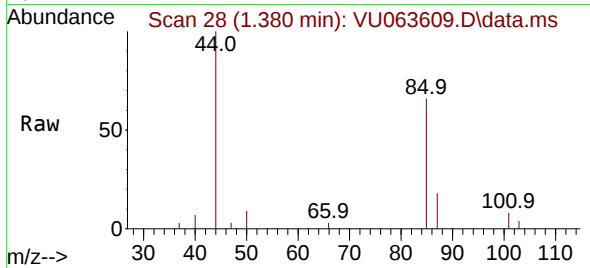
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#2
 Dichlorodifluoromethane
 Concen: 0.239 ug/L
 RT: 1.380 min Scan# 28
 Delta R.T. -0.000 min
 Lab File: VU063609.D
 Acq: 18 Sep 2025 10:09

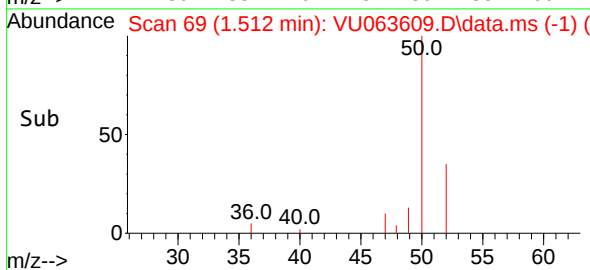
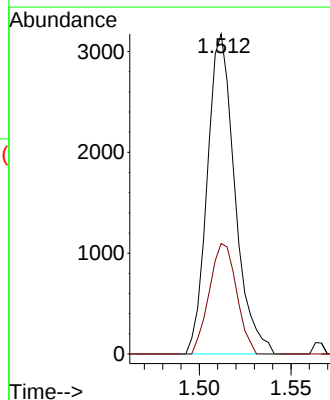
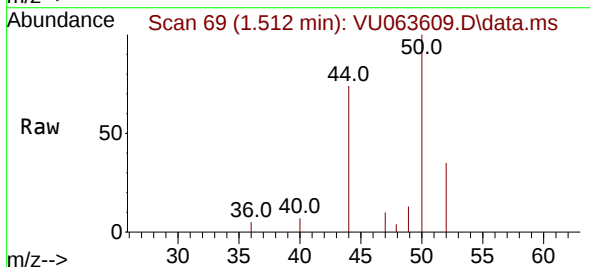
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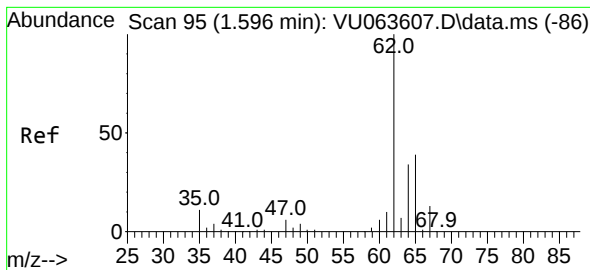
Tgt Ion: 85 Resp: 2840
 Ion Ratio Lower Upper
 85 100
 87 25.2 25.8 38.8#



#3
 Chloromethane
 Concen: 0.252 ug/L
 RT: 1.512 min Scan# 69
 Delta R.T. -0.000 min
 Lab File: VU063609.D
 Acq: 18 Sep 2025 10:09

Tgt Ion: 50 Resp: 3317
 Ion Ratio Lower Upper
 50 100
 52 34.5 22.6 42.0





#5

Vinyl chloride

Concen: 0.272 ug/L

RT: 1.592 min Scan# 94

Delta R.T. -0.003 min

Lab File: VU063609.D

Acq: 18 Sep 2025 10:09

Instrument :

MSVOA_U

ClientSampleId :

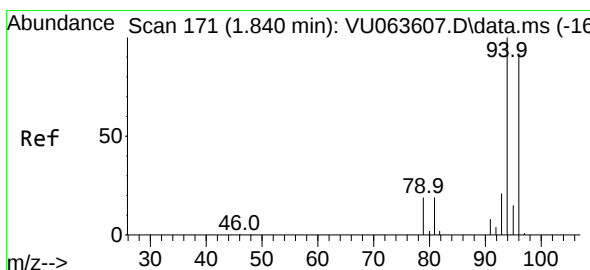
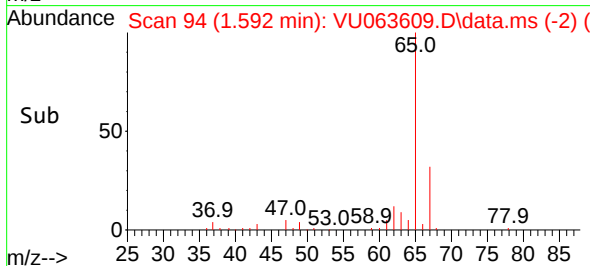
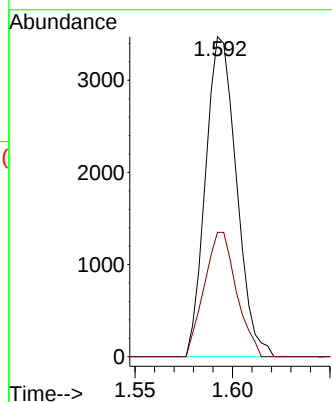
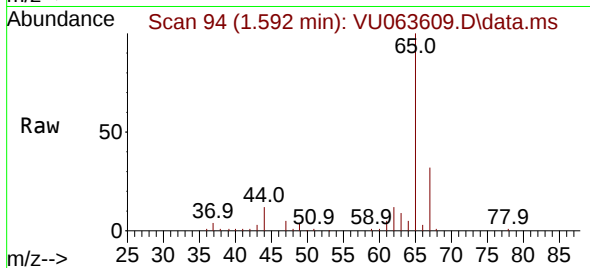
MDL-WATER-QT3-2025-06

Tgt Ion: 62 Resp: 3832

Ion Ratio Lower Upper

62 100

64 38.9 21.5 39.9



#6

Bromomethane

Concen: 0.305 ug/L

RT: 1.840 min Scan# 171

Delta R.T. -0.000 min

Lab File: VU063609.D

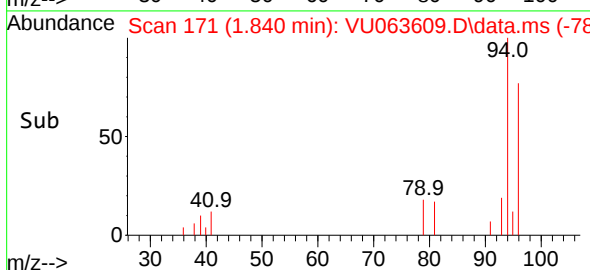
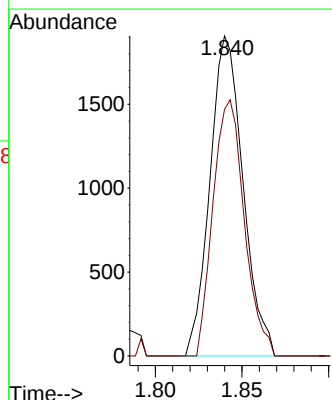
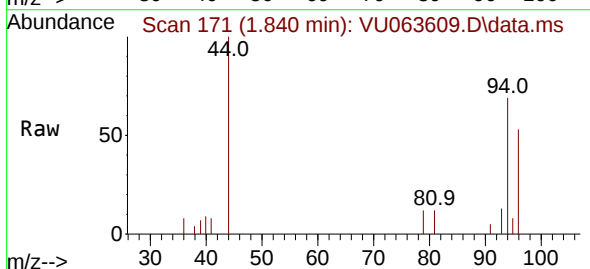
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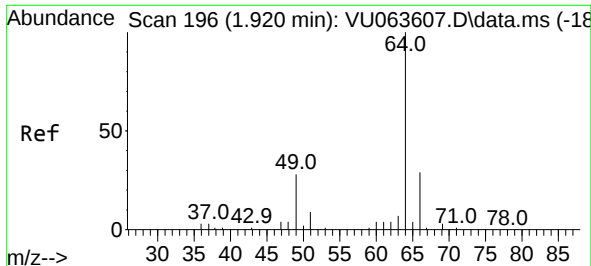
Tgt Ion: 94 Resp: 2533

Ion Ratio Lower Upper

94 100

96 77.0 62.4 116.0

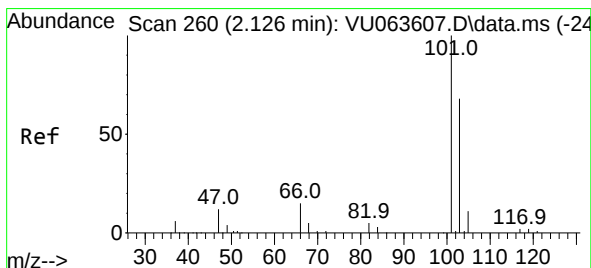
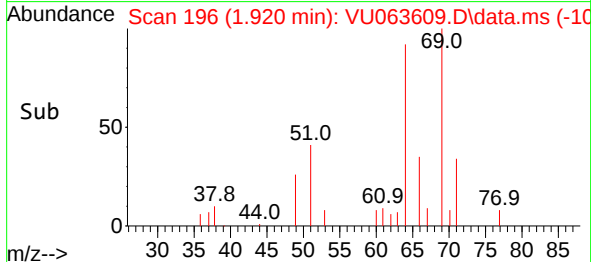
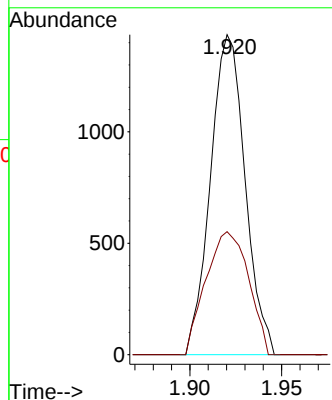
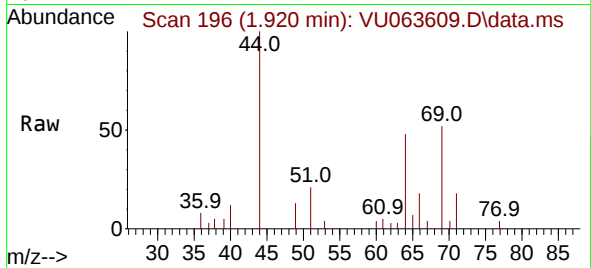




#8
Chloroethane
Concen: 0.217 ug/L
RT: 1.920 min Scan# 196
Delta R.T. -0.000 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

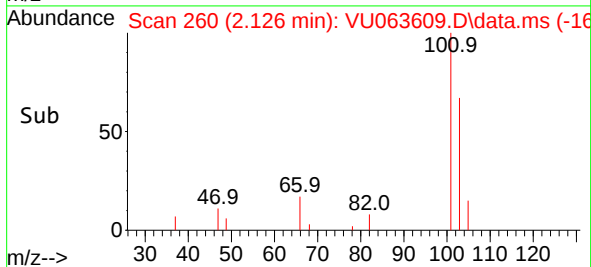
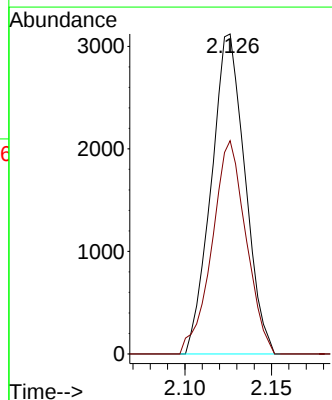
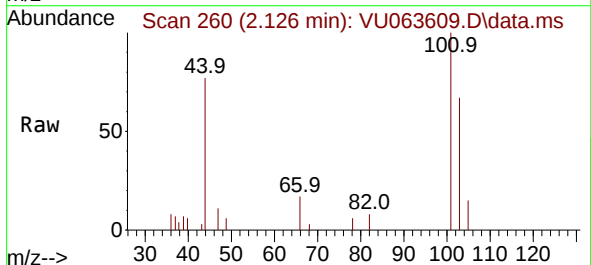
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ClientSampleId : MDL-WATER-QT3-2025-06

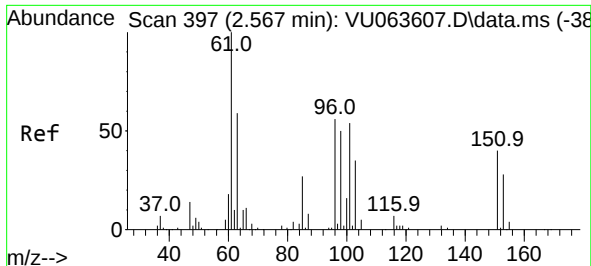
Tgt Ion: 64 Resp: 1883
Ion Ratio Lower Upper
64 100
66 38.4 23.0 42.8



#9
Trichlorofluoromethane
Concen: 0.229 ug/L
RT: 2.126 min Scan# 260
Delta R.T. -0.000 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

Tgt Ion:101 Resp: 4223
Ion Ratio Lower Upper
101 100
103 67.0 52.8 79.2

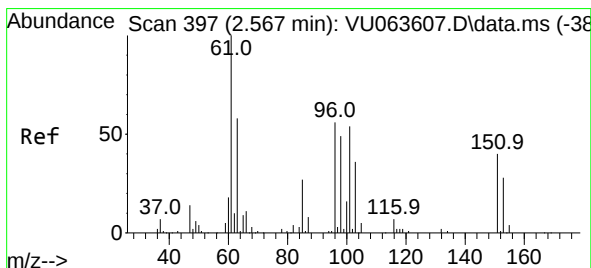
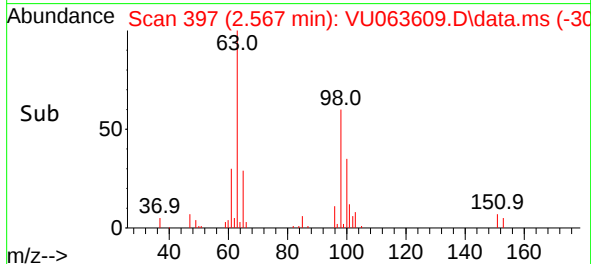
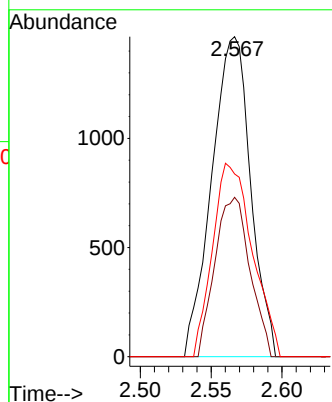
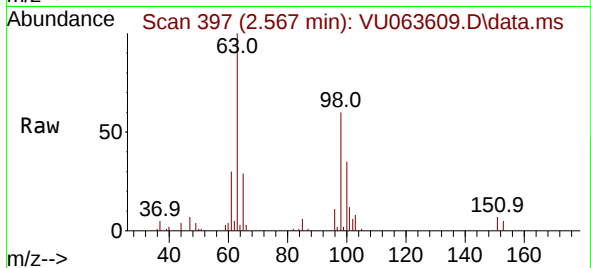




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.269 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. -0.000 min
 Lab File: VU063609.D
 Acq: 18 Sep 2025 10:09

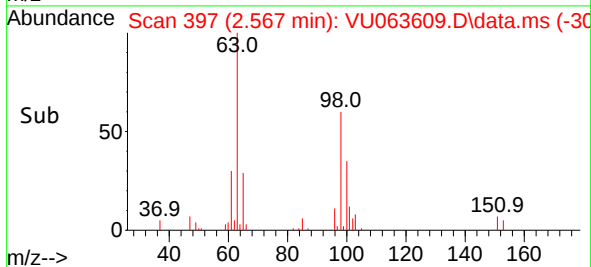
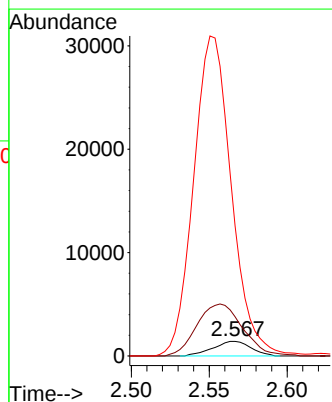
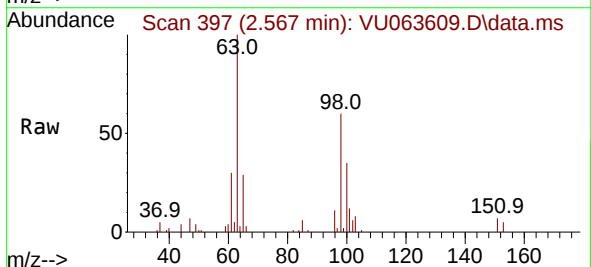
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 MDL-WATER-QT3-2025-06

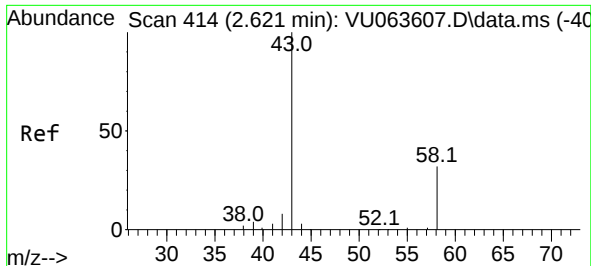
Tgt Ion:101 Resp: 2800
 Ion Ratio Lower Upper
 101 100
 85 44.9 36.4 54.6
 151 61.8 59.2 88.8



#12
 1,1-Dichloroethene
 Concen: 0.248 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. -0.000 min
 Lab File: VU063609.D
 Acq: 18 Sep 2025 10:09

Tgt Ion: 96 Resp: 2396
 Ion Ratio Lower Upper
 96 100
 61 269.5 132.4 245.8#
 63 892.4 89.0 165.4#





#13

Acetone

Concen: 2.217 ug/L

RT: 2.634 min Scan# 414

Delta R.T. 0.013 min

Lab File: VU063609.D

Acq: 18 Sep 2025 10:09

Instrument :

MSVOA_U

ClientSampleId :

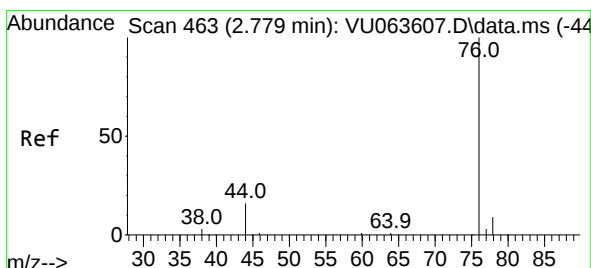
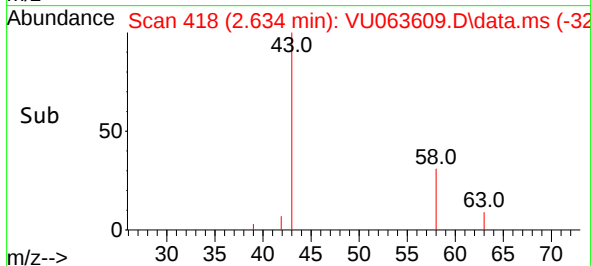
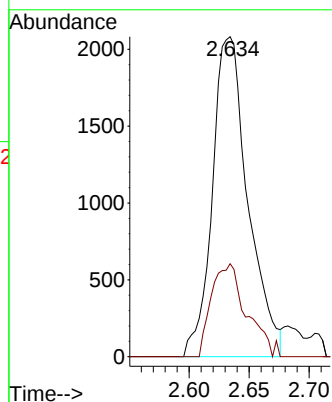
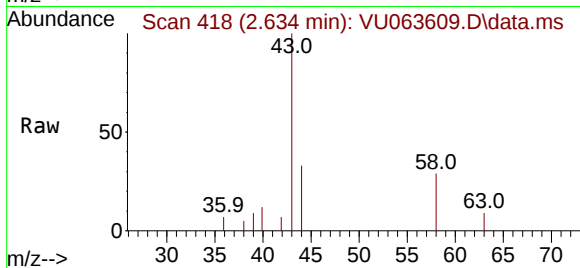
MDL-WATER-QT3-2025-06

Tgt Ion: 43 Resp: 4298

Ion Ratio Lower Upper

43 100

58 28.7 0.0 63.6



#14

Carbon disulfide

Concen: 0.235 ug/L

RT: 2.779 min Scan# 463

Delta R.T. -0.000 min

Lab File: VU063609.D

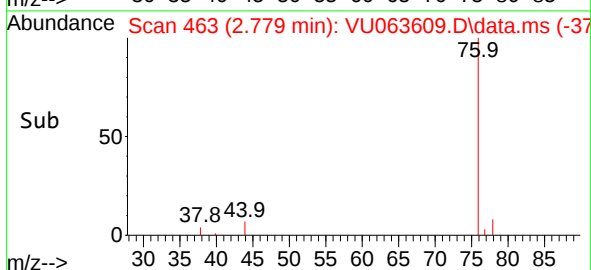
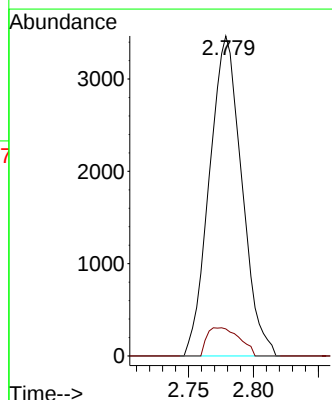
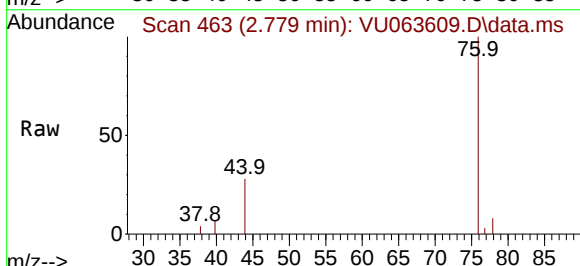
Acq: 18 Sep 2025 10:09

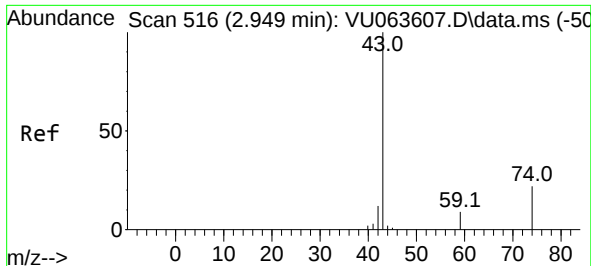
Tgt Ion: 76 Resp: 5999

Ion Ratio Lower Upper

76 100

78 8.5 7.4 11.0

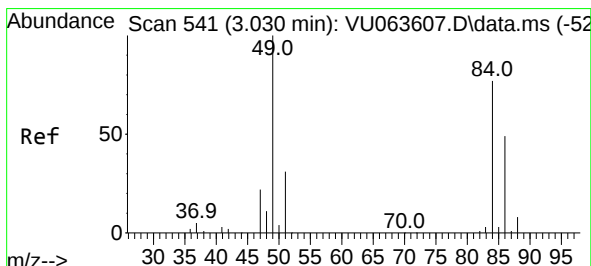
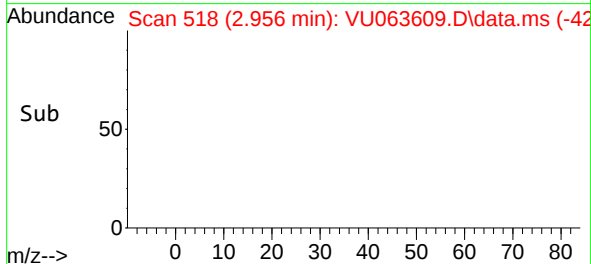
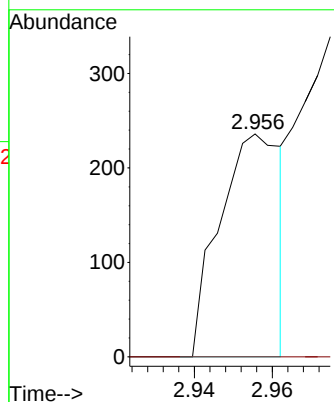
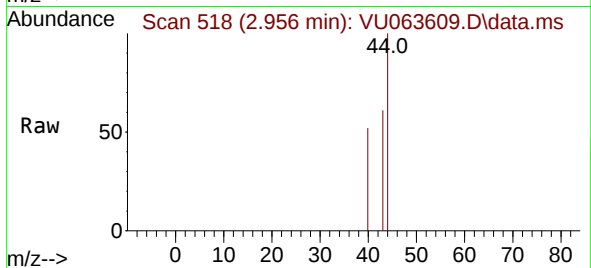




#15
Methyl Acetate
Concen: 0.059 ug/L
RT: 2.956 min Scan# 516
Delta R.T. 0.006 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

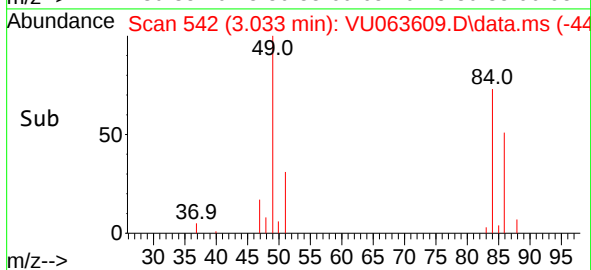
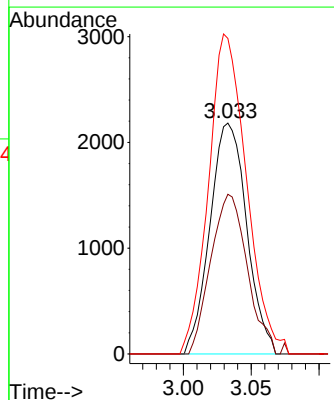
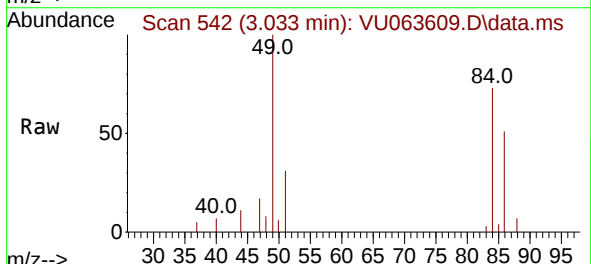
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-06

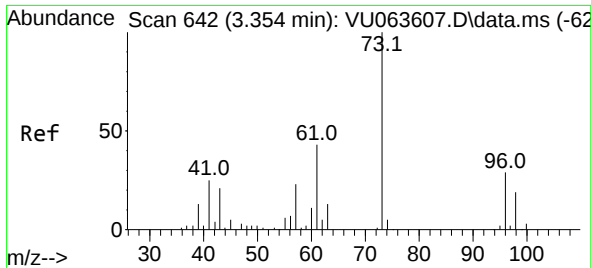
Tgt Ion: 43 Resp: 257
Ion Ratio Lower Upper
43 100
74 0.0 18.2 27.2#



#16
Methylene chloride
Concen: 0.364 ug/L
RT: 3.033 min Scan# 542
Delta R.T. 0.003 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

Tgt Ion: 84 Resp: 4116
Ion Ratio Lower Upper
84 100
86 69.2 43.1 80.1
49 136.7 90.6 168.2

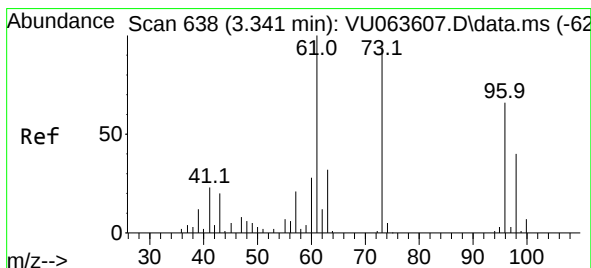
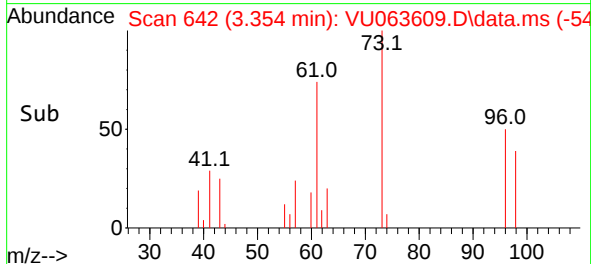
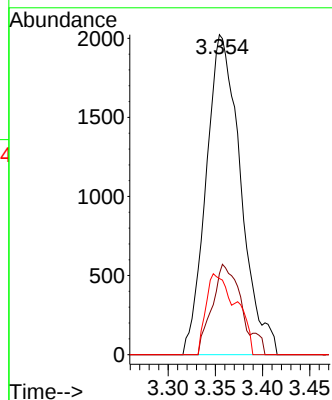
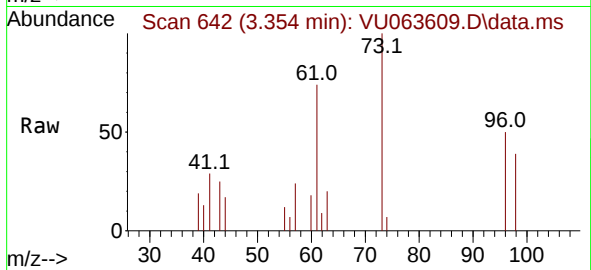




#17
Methyl tert-butyl Ether
Concen: 0.216 ug/L
RT: 3.354 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

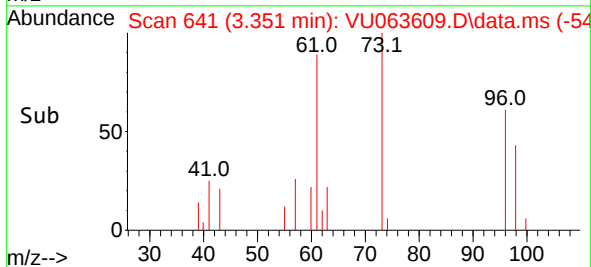
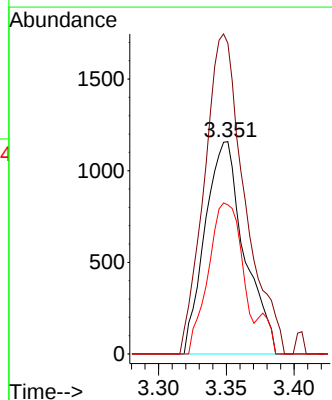
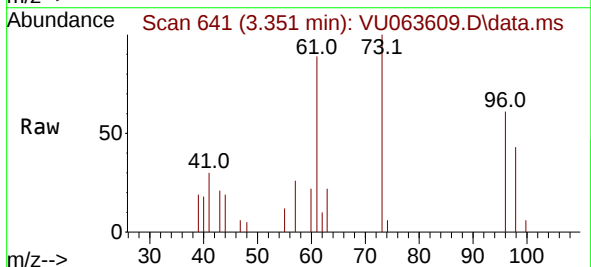
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-06

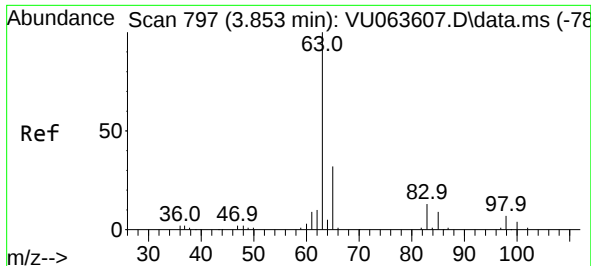
Tgt Ion: 73	Resp: 5129
Ion Ratio	Lower Upper
73 100	
43 24.2	17.0 25.4
57 22.1	18.2 27.2



#18
trans-1,2-Dichloroethene
Concen: 0.234 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.010 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

Tgt Ion: 96	Resp: 2335		
Ion Ratio	Lower	Upper	
96	100		
61	146.2	104.9	194.7
98	70.2	44.3	82.3

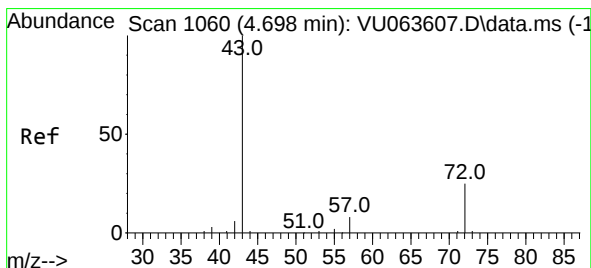
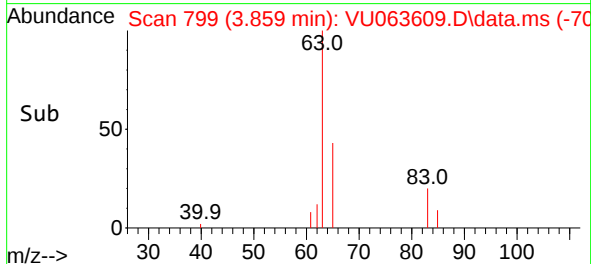
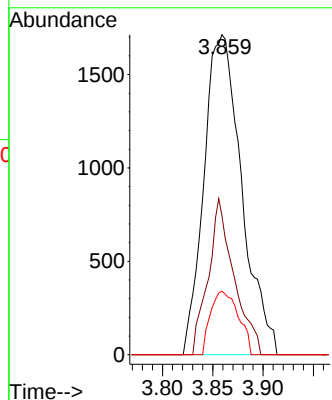
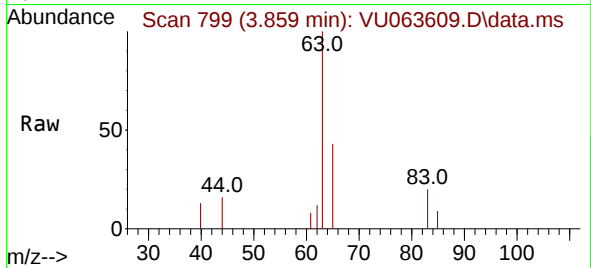




#19
1,1-Dichloroethane
Concen: 0.220 ug/L
RT: 3.859 min Scan# 797
Delta R.T. 0.006 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

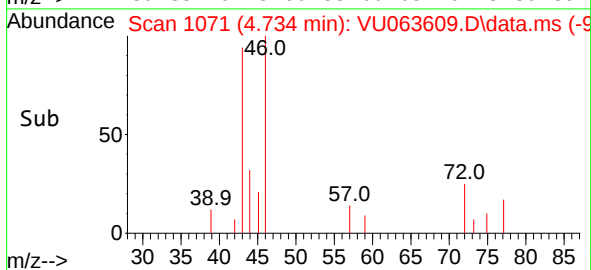
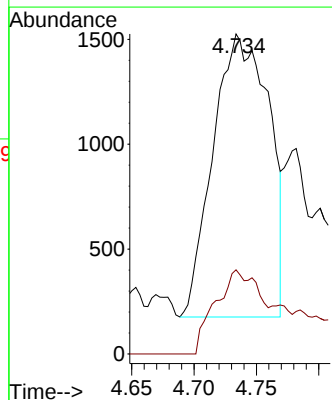
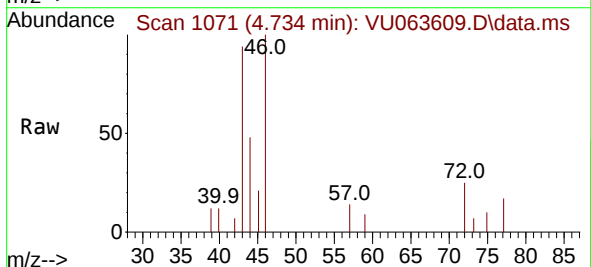
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-06

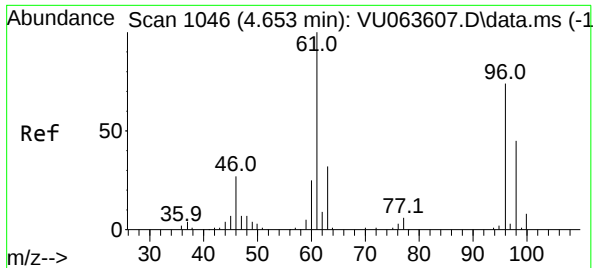
Tgt Ion: 63 Resp: 4462
Ion Ratio Lower Upper
63 100
65 43.4 22.1 41.1#
83 19.8 9.7 17.9#



#21
2-Butanone
Concen: 1.492 ug/L
RT: 4.734 min Scan# 1071
Delta R.T. 0.035 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

Tgt Ion: 43 Resp: 4195
Ion Ratio Lower Upper
43 100
72 24.6 11.9 35.7

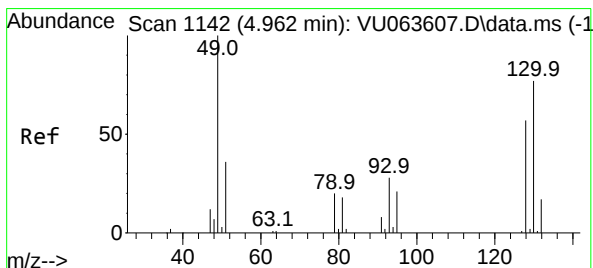
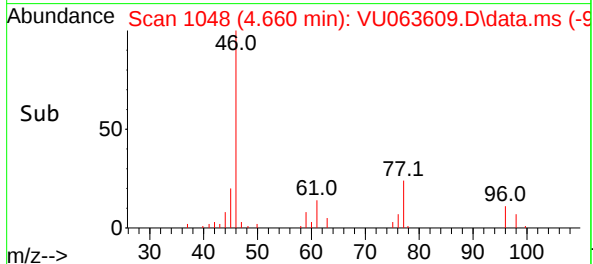
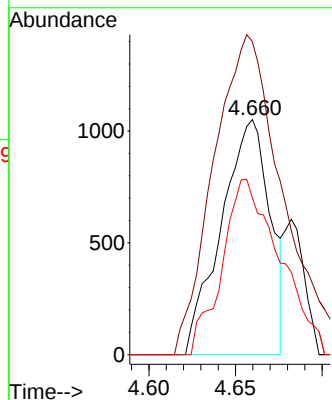
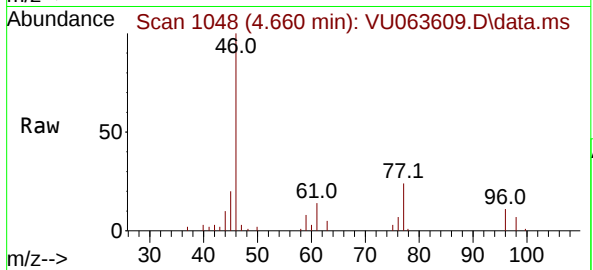




#22
 cis-1,2-Dichloroethene
 Concen: 0.182 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. 0.006 min
 Lab File: VU063609.D
 Acq: 18 Sep 2025 10:09

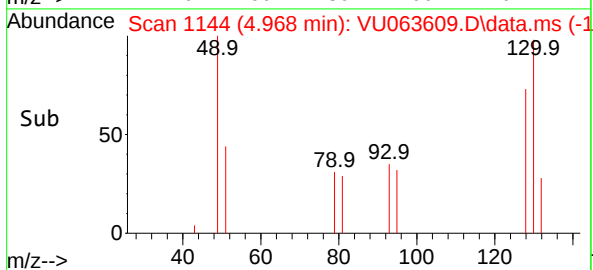
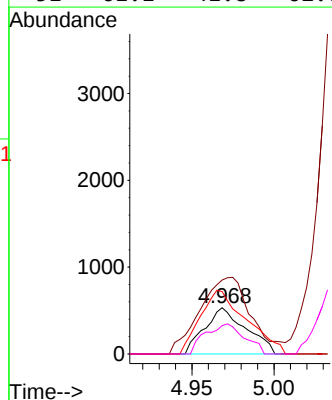
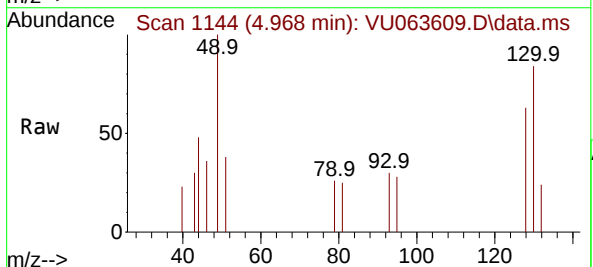
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2025-06

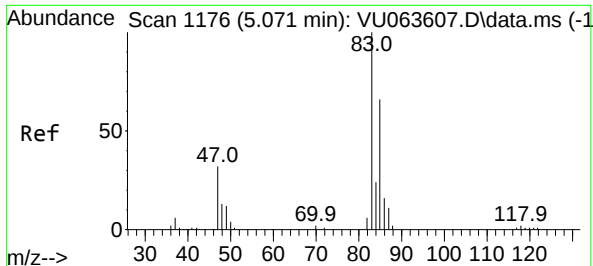
Tgt Ion: 96	Resp:	2064	
Ion	Ratio	Lower	Upper
96	100		
61	133.2	95.8	177.8
98	66.7	43.5	80.9



#23
 Bromochloromethane
 Concen: 0.185 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. 0.006 min
 Lab File: VU063609.D
 Acq: 18 Sep 2025 10:09

Tgt	Ion:128	Resp:	930
Ion	Ratio	Lower	Upper
128	100		
49	160.0	118.4	219.8
130	135.2	87.6	162.6
51	61.1	41.8	62.6





#25

Chloroform

Concen: 0.255 ug/L

RT: 5.084 min Scan# 1176

Delta R.T. 0.013 min

Lab File: VU063609.D

Acq: 18 Sep 2025 10:09

Instrument :

MSVOA_U

ClientSampleId :

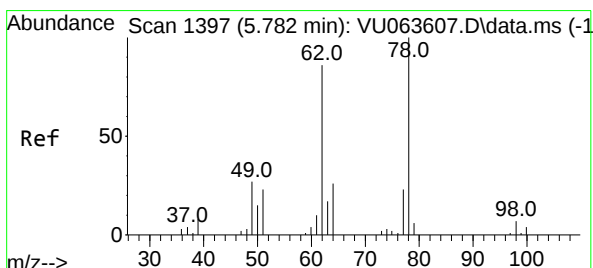
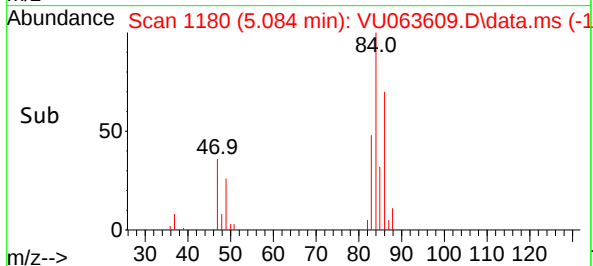
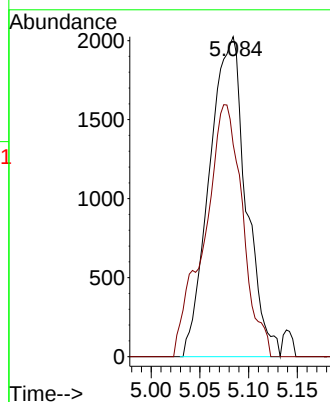
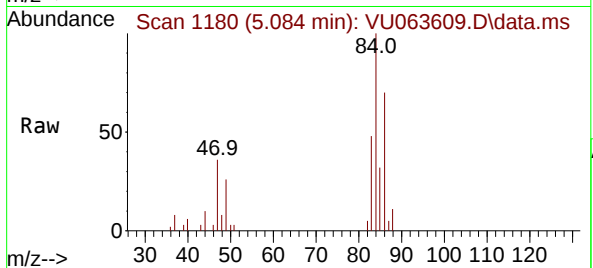
MDL-WATER-QT3-2025-06

Tgt Ion: 83 Resp: 5311

Ion Ratio Lower Upper

83 100

85 66.4 46.1 85.5



#27

1,2-Dichloroethane

Concen: 0.248 ug/L

RT: 5.795 min Scan# 1401

Delta R.T. 0.013 min

Lab File: VU063609.D

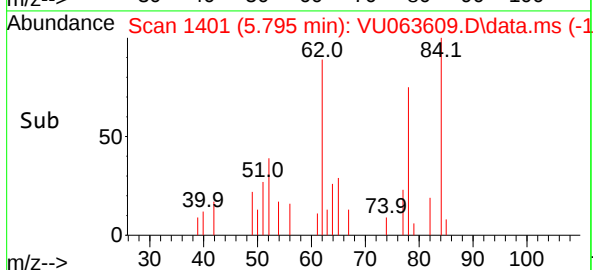
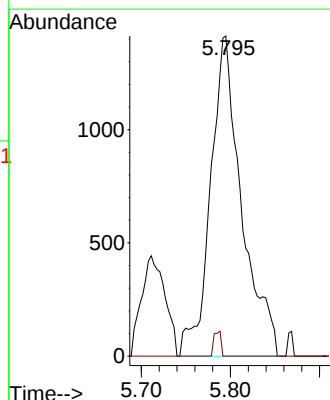
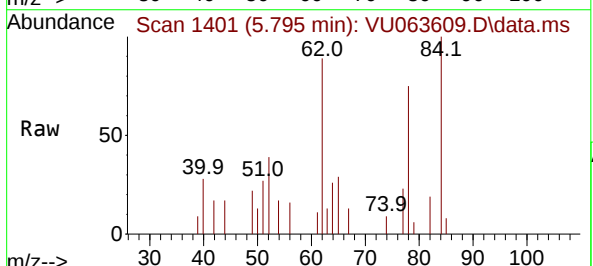
Acq: 18 Sep 2025 10:09

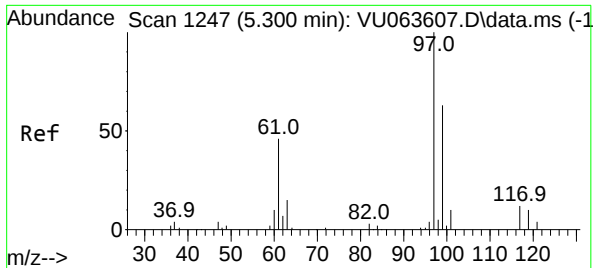
Tgt Ion: 62 Resp: 3426

Ion Ratio Lower Upper

62 100

98 0.0 7.0 10.4#

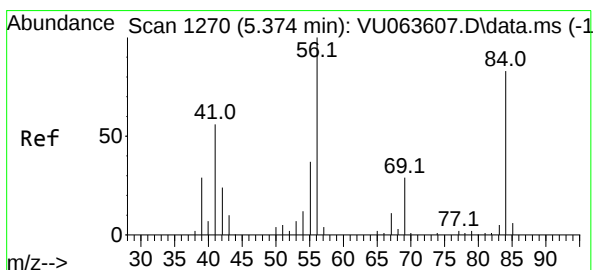
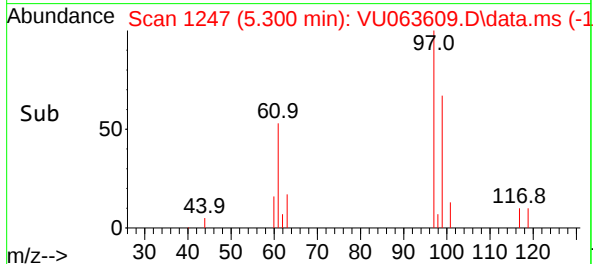
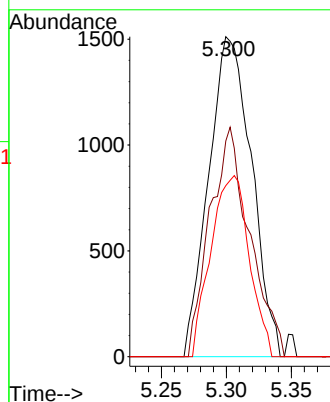
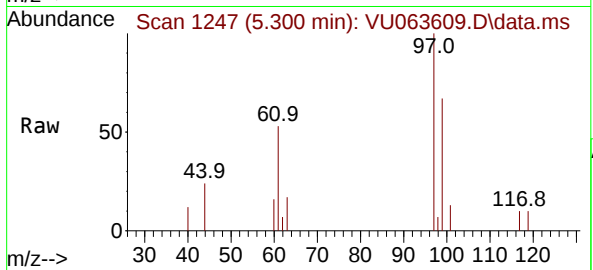




#29
1,1,1-Trichloroethane
Concen: 0.221 ug/L
RT: 5.300 min Scan# 1247
Delta R.T. -0.000 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

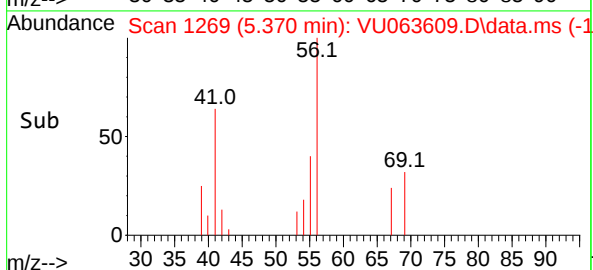
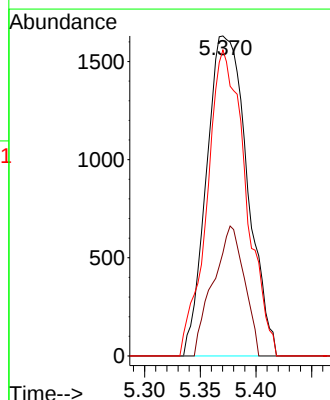
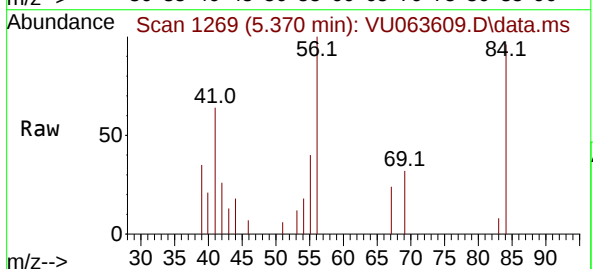
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2025-06

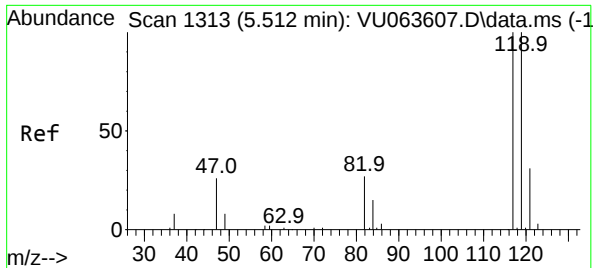
Tgt Ion: 97	Resp: 3471
Ion Ratio	Lower Upper
97 100	
99 66.5	51.0 76.6
61 50.7	39.9 59.9



#30
Cyclohexane
Concen: 0.224 ug/L
RT: 5.370 min Scan# 1269
Delta R.T. -0.003 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

Tgt Ion: 56	Resp: 4164
Ion Ratio	Lower Upper
56 100	
69 30.9	23.2 34.8
84 90.5	65.0 97.4

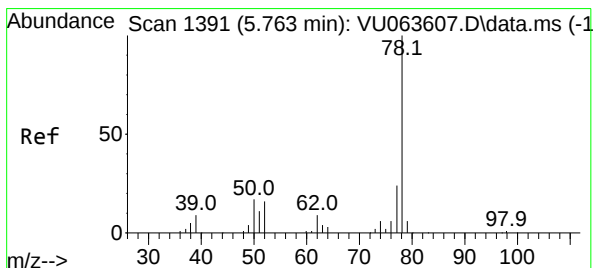
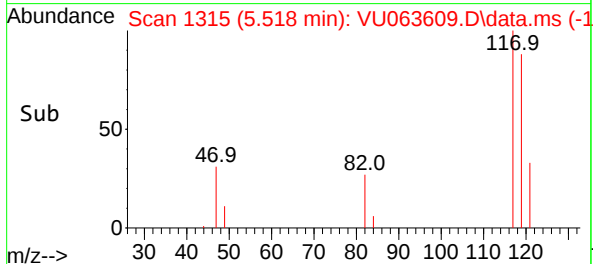
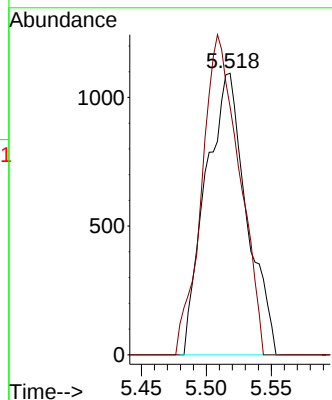
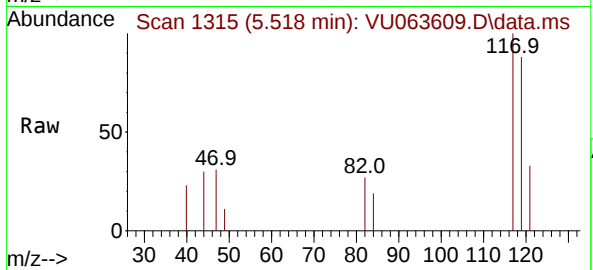




#31
Carbon tetrachloride
Concen: 0.194 ug/L
RT: 5.518 min Scan# 117
Delta R.T. 0.006 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

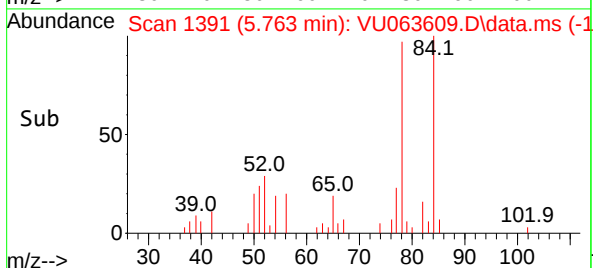
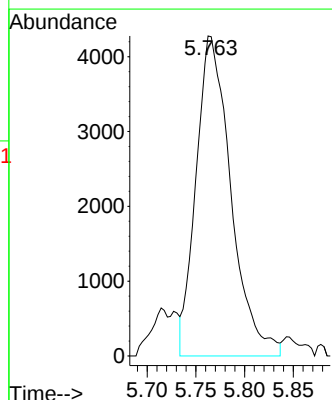
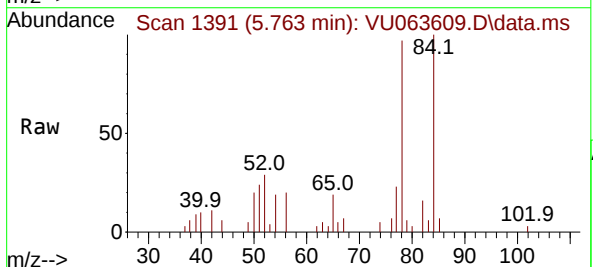
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-06

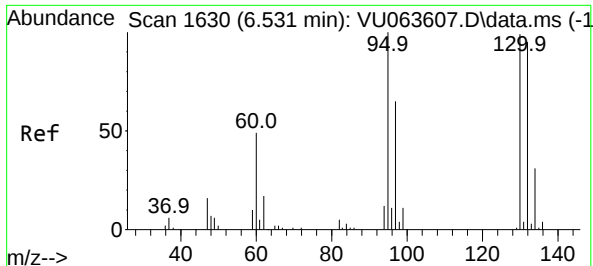
Tgt Ion:117 Resp: 2387
Ion Ratio Lower Upper
117 100
119 104.4 76.8 115.2



#33
Benzene
Concen: 0.248 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. -0.000 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

Tgt Ion: 78 Resp: 10638



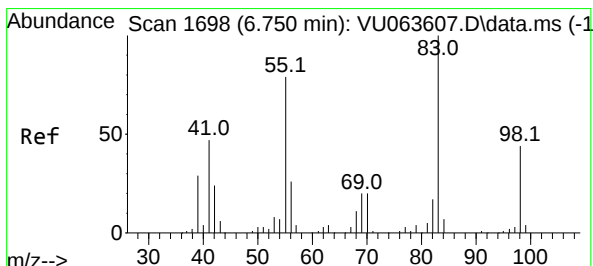
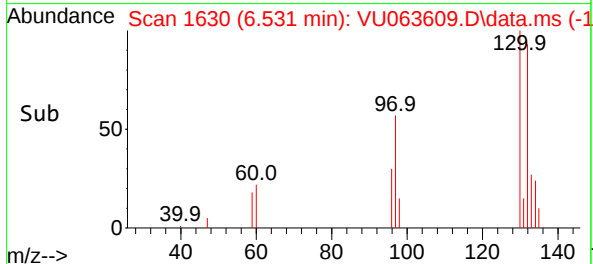
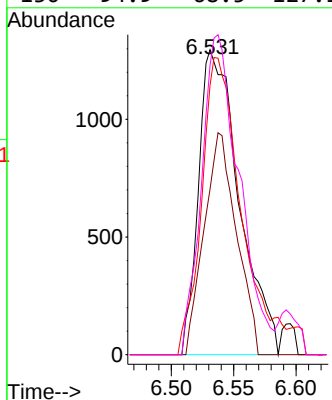
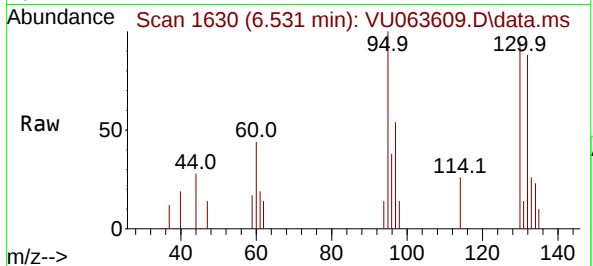


#34
Trichloroethene
Concen: 0.248 ug/L
RT: 6.531 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-06

Tgt Ion: 95 Resp: 2922

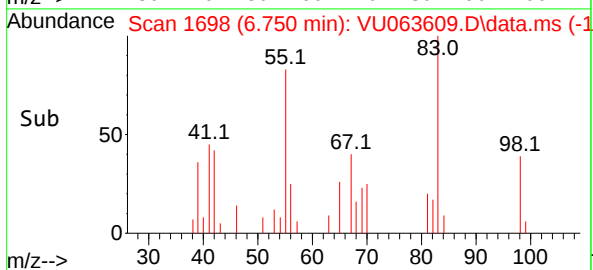
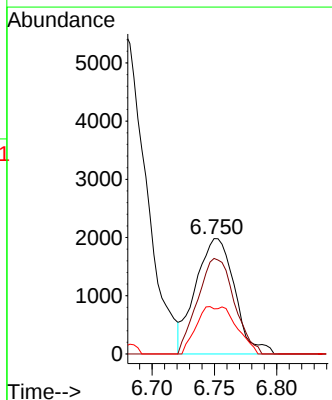
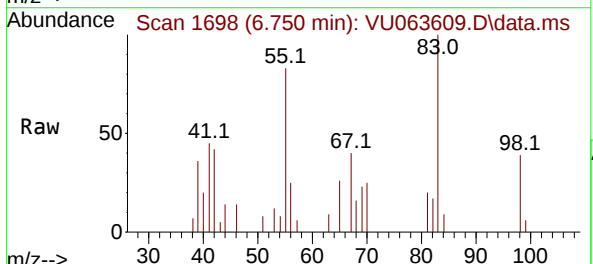
Ion	Ratio	Lower	Upper
95	100		
97	54.3	44.0	81.6
132	88.3	67.1	124.5
130	94.9	68.5	127.1

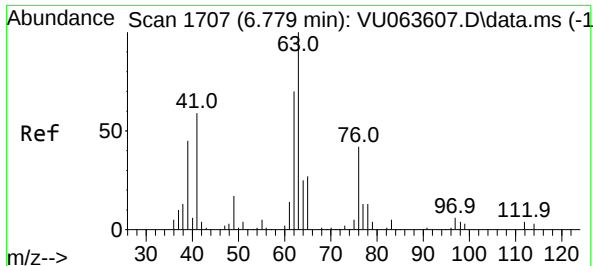


#35
Methylcyclohexane
Concen: 0.241 ug/L
RT: 6.750 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

Tgt Ion: 83 Resp: 4320

Ion	Ratio	Lower	Upper
83	100		
55	77.6	63.9	95.9
98	41.8	36.2	54.2

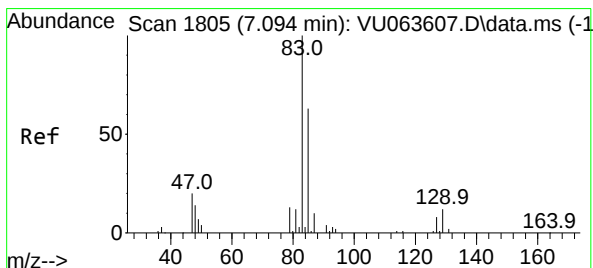
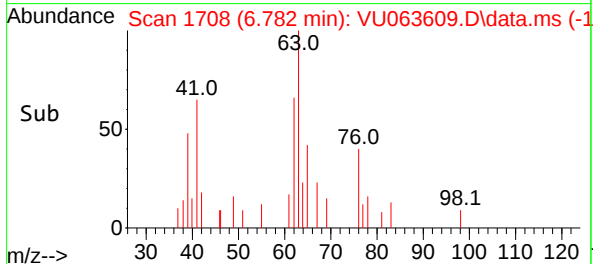
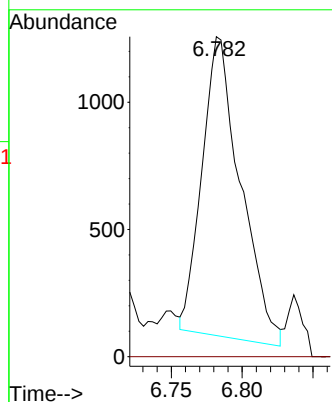
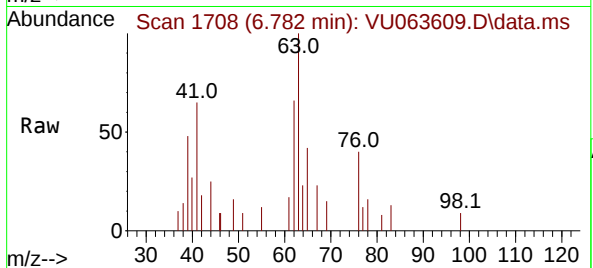




#37
1,2-Dichloropropane
Concen: 0.191 ug/L
RT: 6.782 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

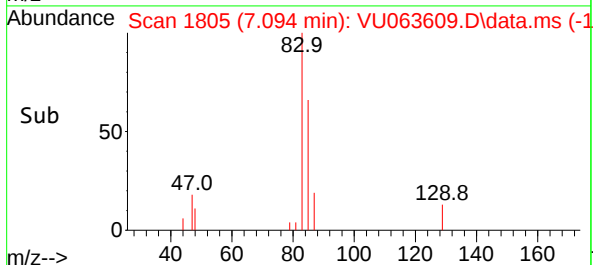
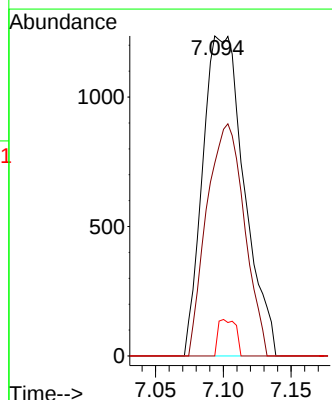
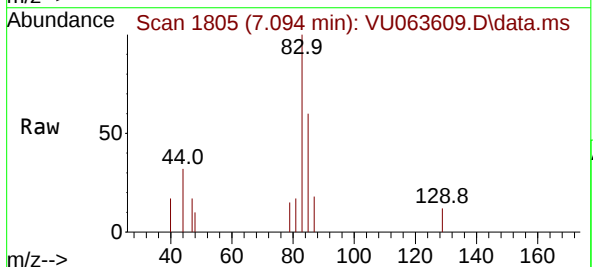
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-06

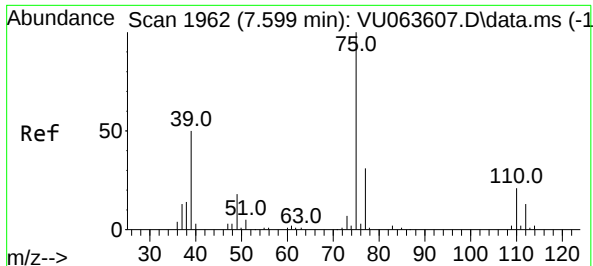
Tgt Ion: 63 Resp: 2222
Ion Ratio Lower Upper
63 100
112 0.0 2.8 4.2#



#38
Bromodichloromethane
Concen: 0.212 ug/L
RT: 7.094 min Scan# 1805
Delta R.T. -0.000 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

Tgt Ion: 83 Resp: 2635
Ion Ratio Lower Upper
83 100
85 60.3 44.4 82.4
127 0.0 6.2 9.2#

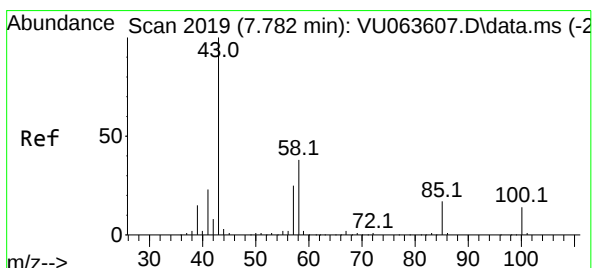
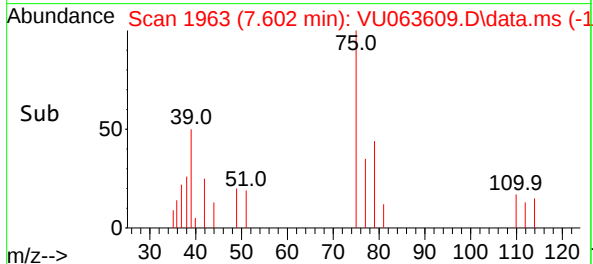
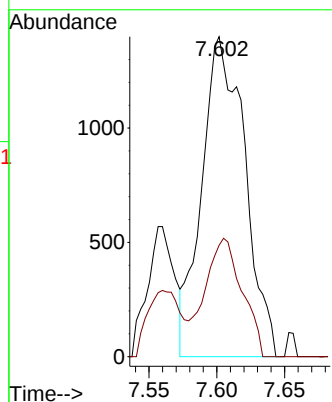
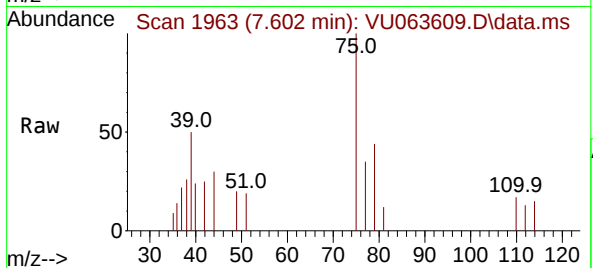




#39
 cis-1,3-Dichloropropene
 Concen: 0.235 ug/L
 RT: 7.602 min Scan# 1962
 Delta R.T. 0.003 min
 Lab File: VU063609.D
 Acq: 18 Sep 2025 10:09

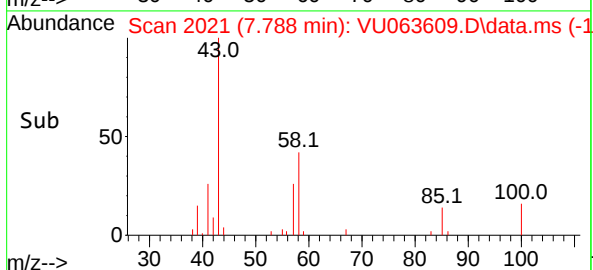
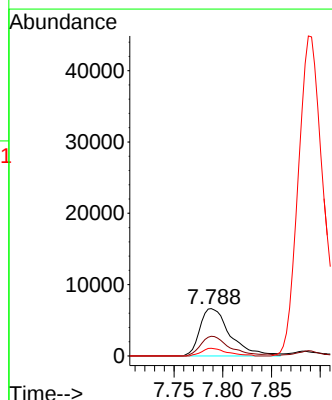
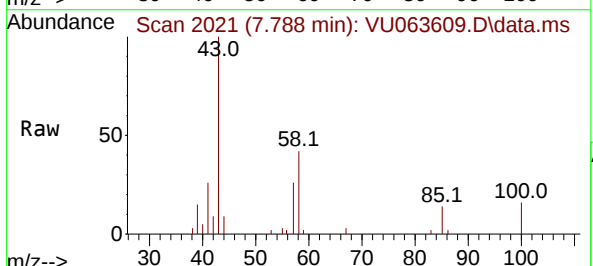
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2025-06

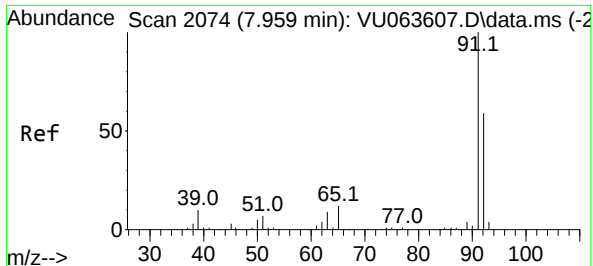
Tgt Ion: 75 Resp: 3092
 Ion Ratio Lower Upper
 75 100
 77 34.8 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 2.162 ug/L
 RT: 7.788 min Scan# 2021
 Delta R.T. 0.006 min
 Lab File: VU063609.D
 Acq: 18 Sep 2025 10:09

Tgt Ion: 43 Resp: 14377
 Ion Ratio Lower Upper
 43 100
 58 38.9 29.6 44.4
 100 0.0 10.6 16.0#





#42

Toluene

Concen: 0.240 ug/L

RT: 7.965 min Scan# 2074

Delta R.T. 0.006 min

Lab File: VU063609.D

Acq: 18 Sep 2025 10:09

Instrument :

MSVOA_U

ClientSampleId :

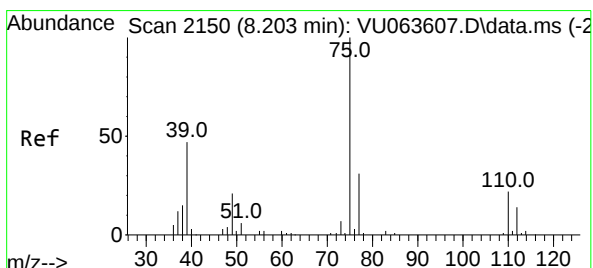
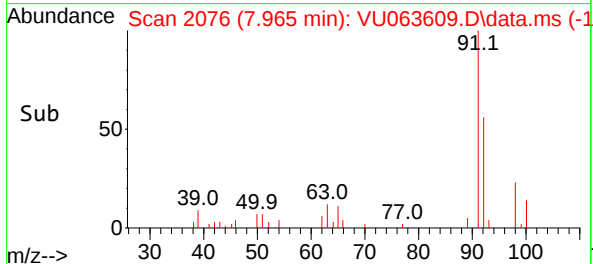
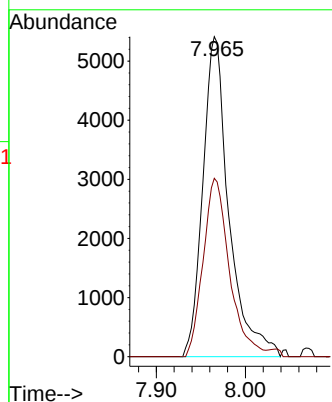
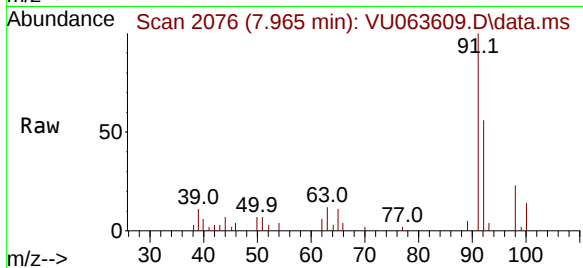
MDL-WATER-QT3-2025-06

Tgt Ion: 91 Resp: 11018

Ion Ratio Lower Upper

91 100

92 55.8 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 0.247 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. 0.006 min

Lab File: VU063609.D

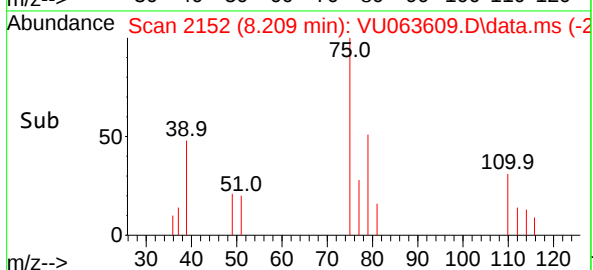
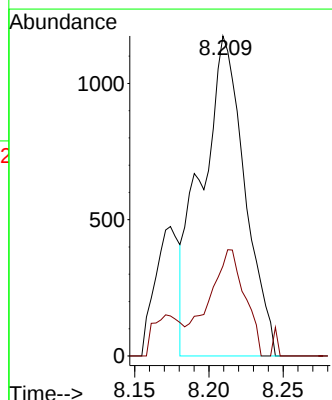
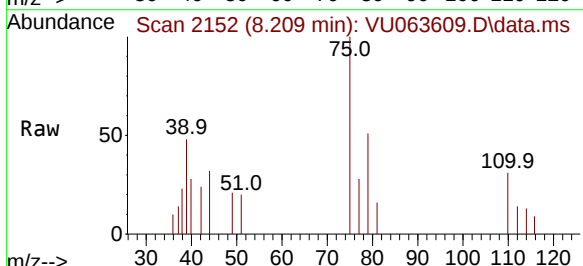
Acq: 18 Sep 2025 10:09

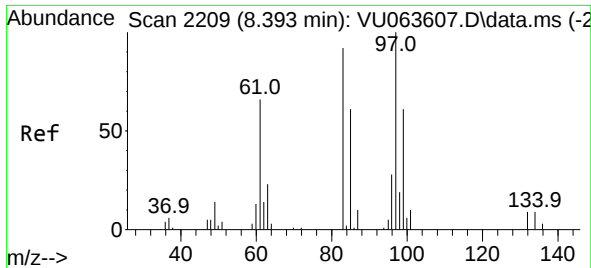
Tgt Ion: 75 Resp: 2388

Ion Ratio Lower Upper

75 100

77 28.1 23.7 44.1

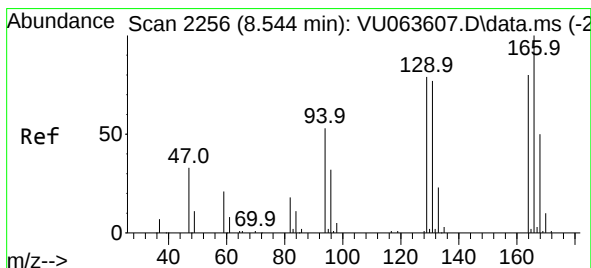
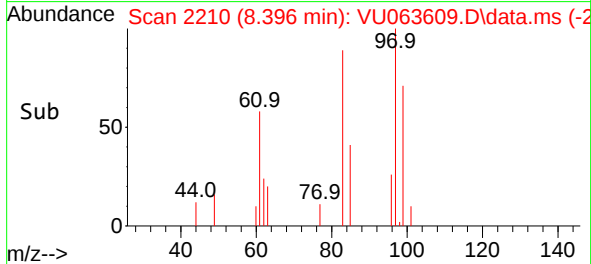
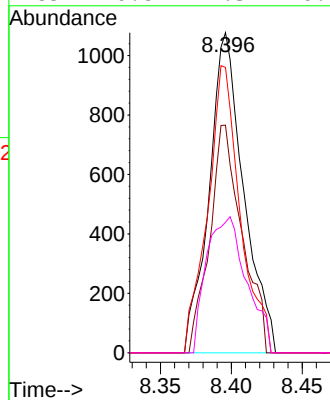
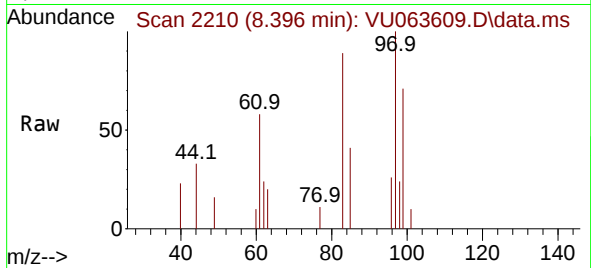




#45
1,1,2-Trichloroethane
Concen: 0.230 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. 0.003 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

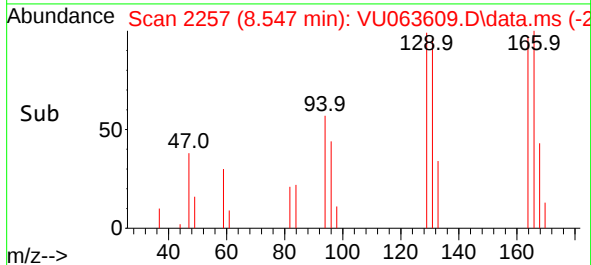
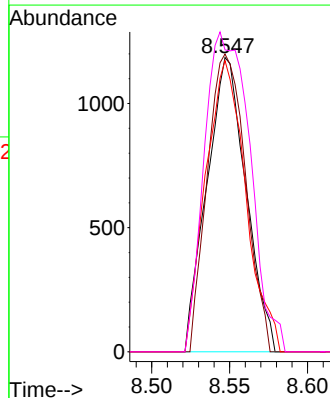
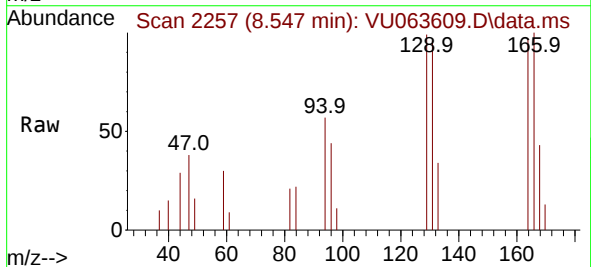
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-06

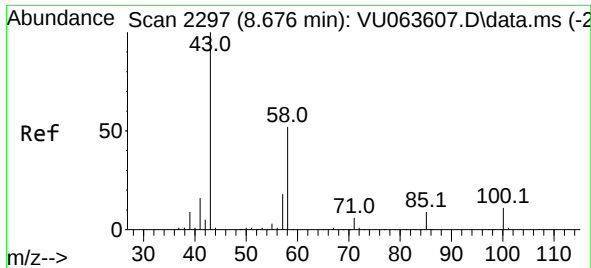
Tgt Ion:	97	Resp:	1827
Ion	Ratio	Lower	Upper
97	100		
99	71.1	44.0	81.6
83	89.1	63.1	117.3
85	40.8	41.3	76.7



#47
Tetrachloroethene
Concen: 0.230 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.003 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

Tgt Ion:	164	Resp:	2068
Ion	Ratio	Lower	Upper
164	100		
129	101.2	70.0	130.0
131	99.0	67.1	124.5
166	102.6	89.0	165.2

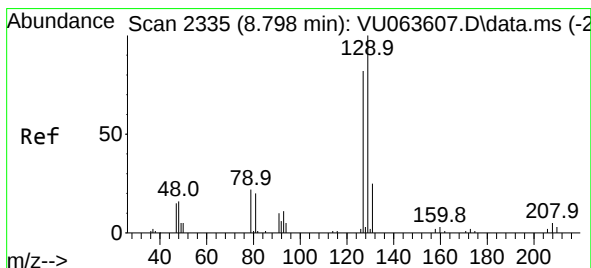
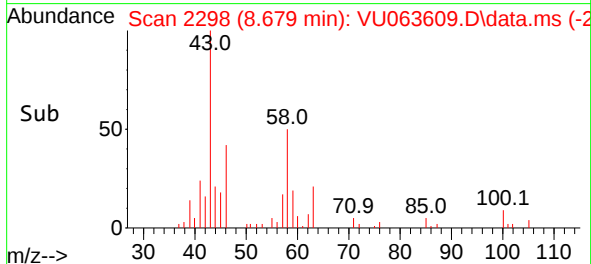
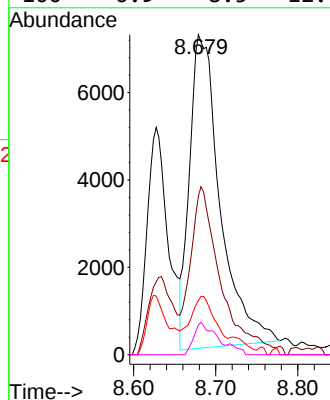
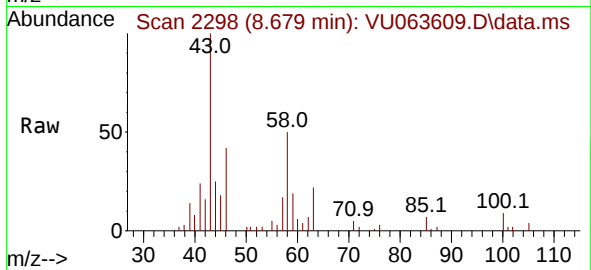




#48
2-Hexanone
Concen: 3.988 ug/L
RT: 8.679 min Scan# 2297
Delta R.T. 0.003 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

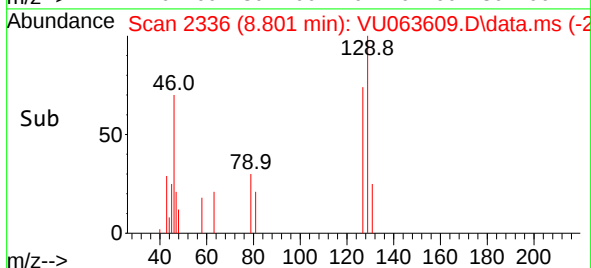
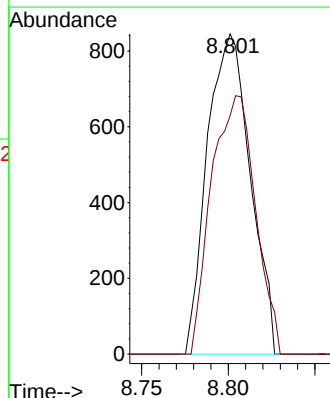
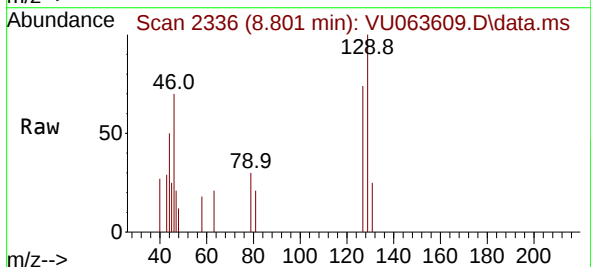
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2025-06

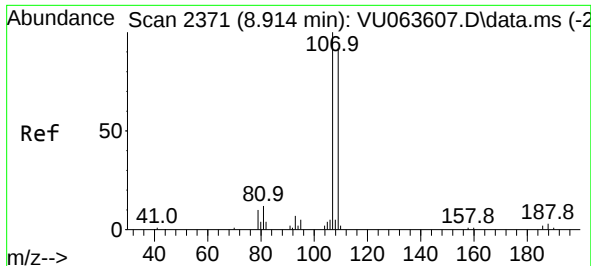
Tgt Ion: 43	Resp: 18604
Ion Ratio	Lower Upper
43	100
58	48.8 42.2 63.2
57	10.8 15.0 22.4#
100	6.9 8.5 12.7#



#49
Dibromochloromethane
Concen: 0.201 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. 0.003 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

Tgt Ion: 129	Resp: 1463
Ion Ratio	Lower Upper
129	100
127	74.4 54.3 100.8

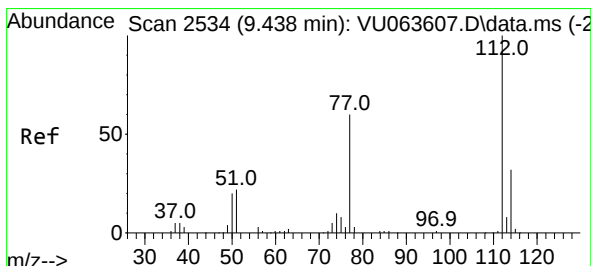
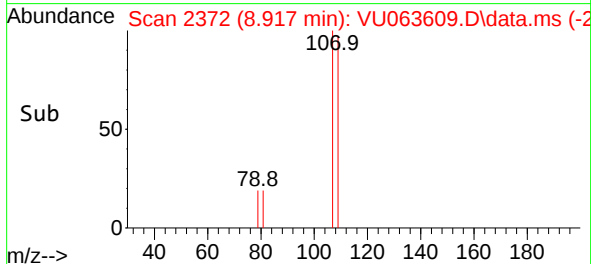
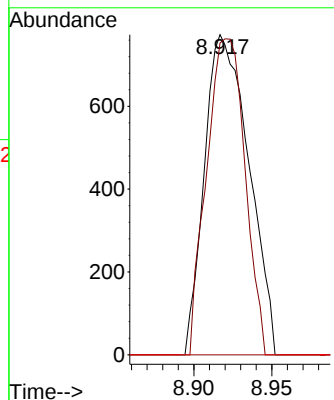
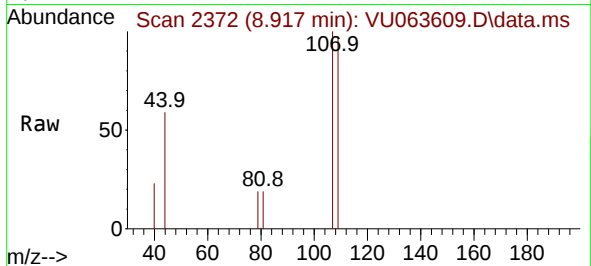




#50
1,2-Dibromoethane
Concen: 0.215 ug/L
RT: 8.917 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

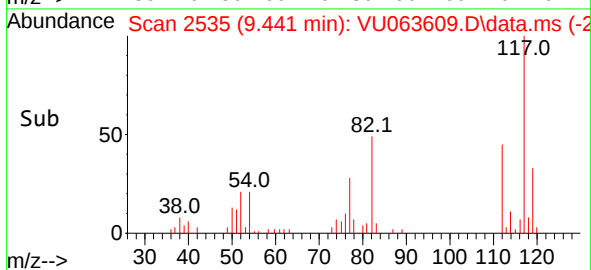
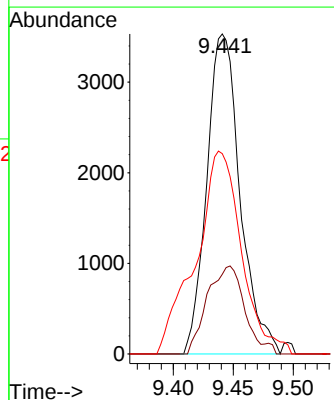
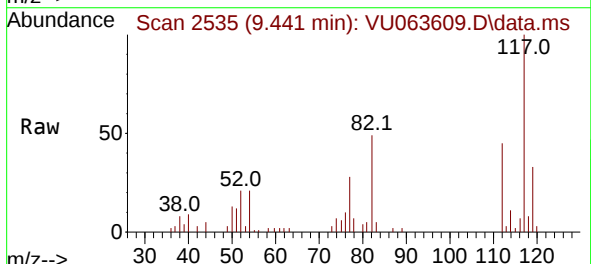
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-06

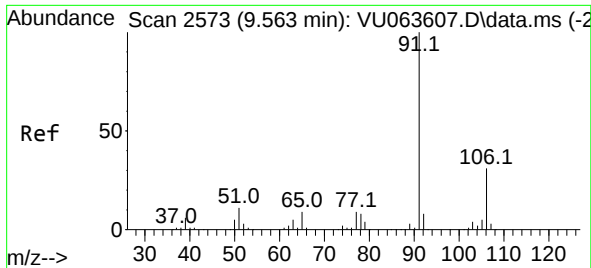
Tgt Ion:107 Resp: 1527
Ion Ratio Lower Upper
107 100
109 97.4 65.4 121.4
188 0.0 2.8 4.2#



#51
Chlorobenzene
Concen: 0.229 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.003 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

Tgt Ion:112 Resp: 6825
Ion Ratio Lower Upper
112 100
114 24.9 22.0 41.0
77 62.6 48.9 73.3

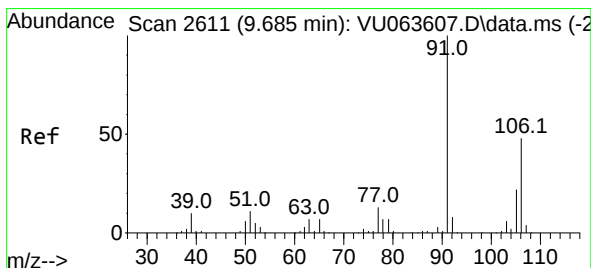
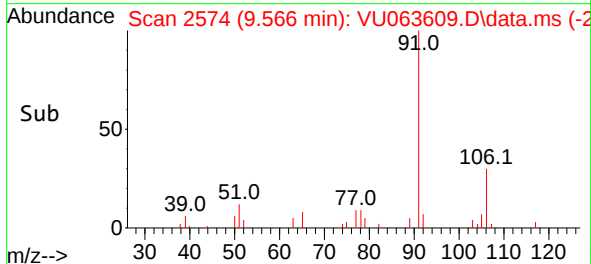
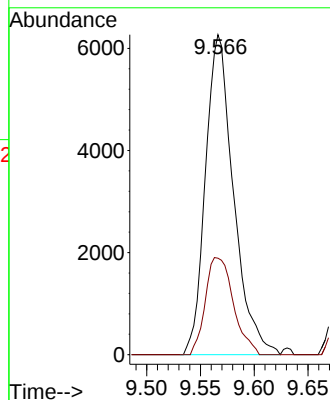
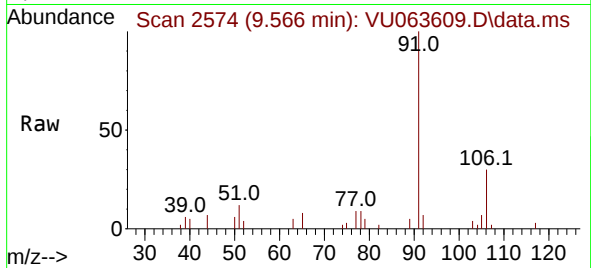




#52
Ethylbenzene
Concen: 0.224 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

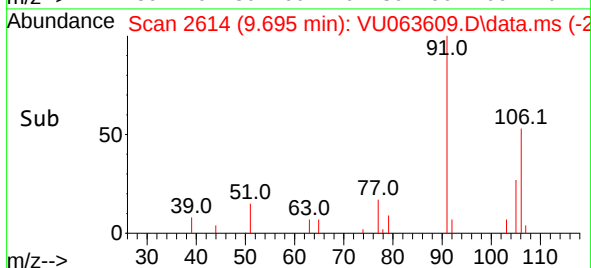
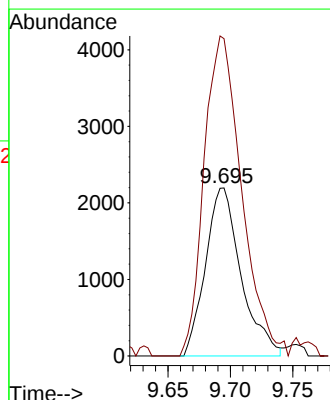
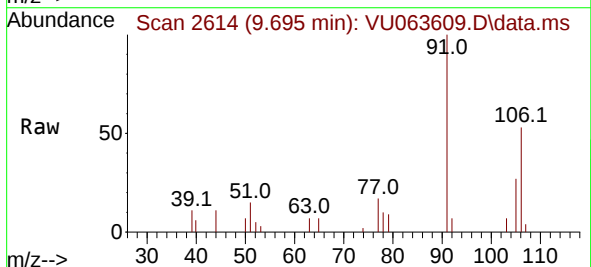
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-06

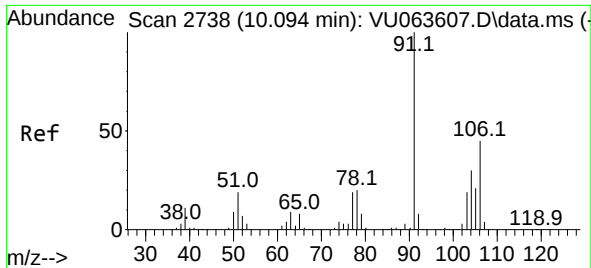
Tgt Ion: 91 Resp: 11365
Ion Ratio Lower Upper
91 100
106 30.1 21.2 39.4



#53
m,p-Xylene
Concen: 0.229 ug/L
RT: 9.695 min Scan# 2614
Delta R.T. 0.010 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

Tgt Ion: 106 Resp: 4355
Ion Ratio Lower Upper
106 100
91 188.9 141.5 262.7

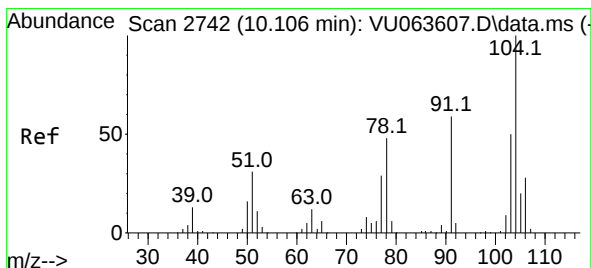
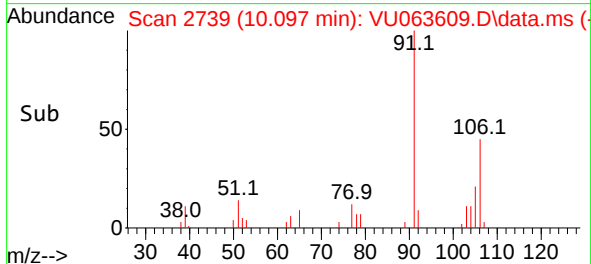
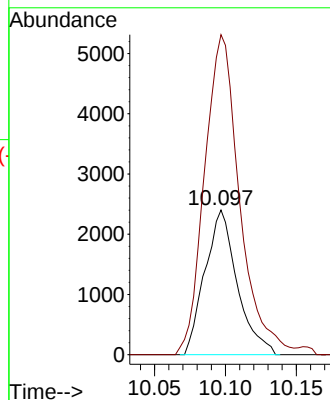
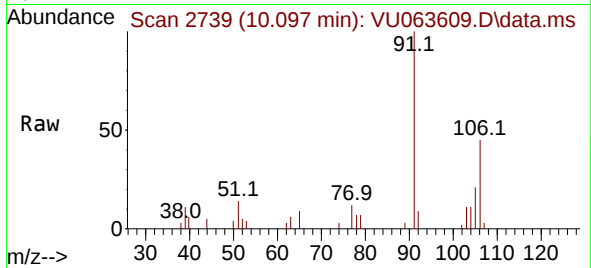




#54
o-Xylene
Concen: 0.207 ug/L
RT: 10.097 min Scan# 2738
Delta R.T. 0.003 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

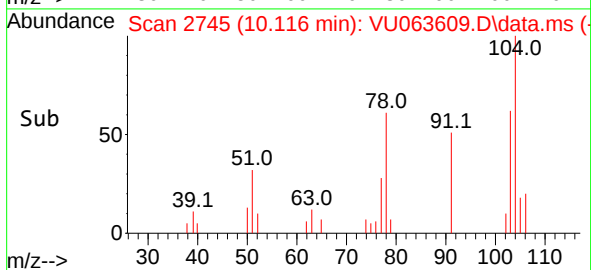
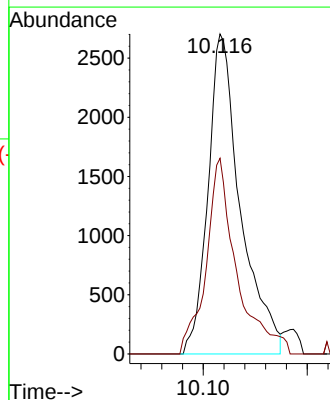
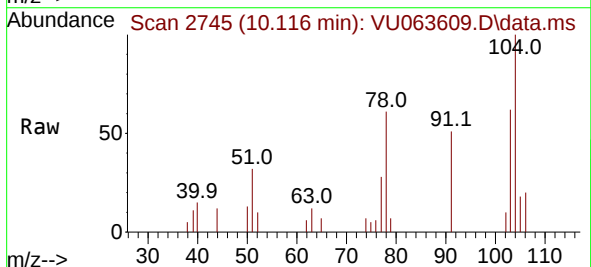
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-06

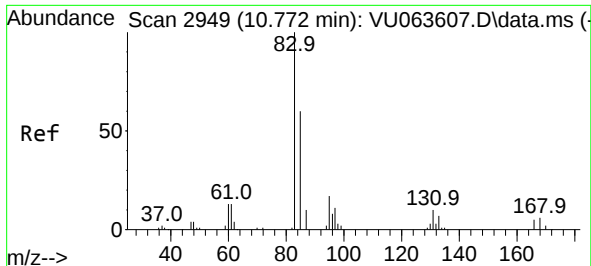
Tgt Ion:106 Resp: 3808
Ion Ratio Lower Upper
106 100
91 221.2 149.4 277.4



#55
Styrene
Concen: 0.194 ug/L
RT: 10.116 min Scan# 2745
Delta R.T. 0.010 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

Tgt Ion:104 Resp: 5857
Ion Ratio Lower Upper
104 100
78 61.1 32.8 61.0#





#57

1,1,2-Tetrachloroethane

Concen: 0.249 ug/L

RT: 10.769 min Scan# 2948

Delta R.T. -0.003 min

Lab File: VU063609.D

Acq: 18 Sep 2025 10:09

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2025-06

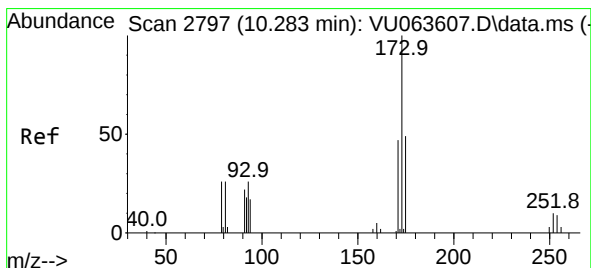
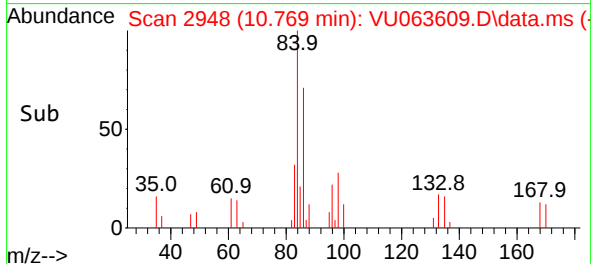
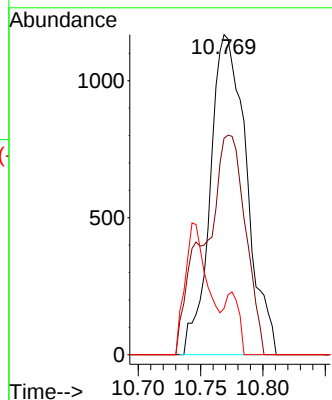
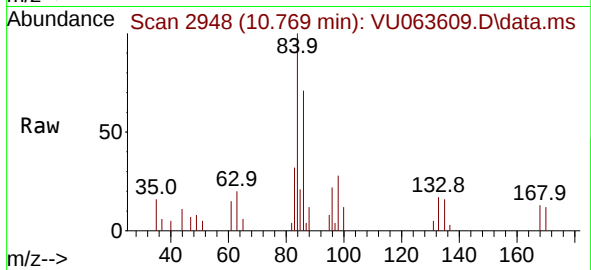
Tgt Ion: 83 Resp: 2362

Ion Ratio Lower Upper

83 100

85 67.6 43.5 80.7

131 14.5 7.3 10.9#



#59

Bromoform

Concen: 0.221 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.000 min

Lab File: VU063609.D

Acq: 18 Sep 2025 10:09

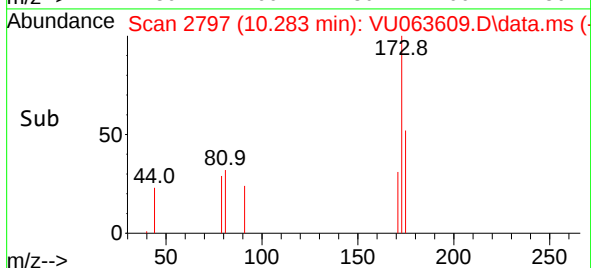
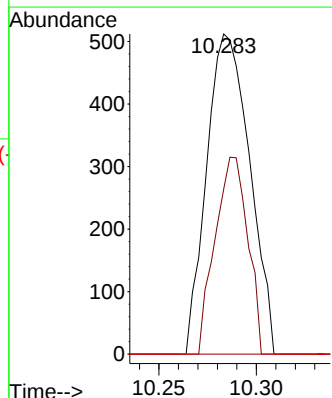
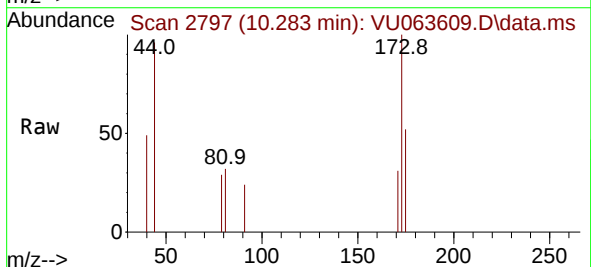
Tgt Ion:173 Resp: 787

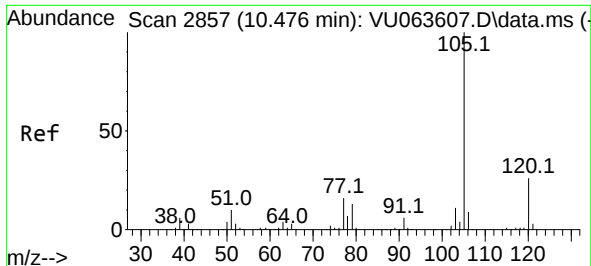
Ion Ratio Lower Upper

173 100

175 46.6 40.3 60.5

254 0.0 6.4 9.6#

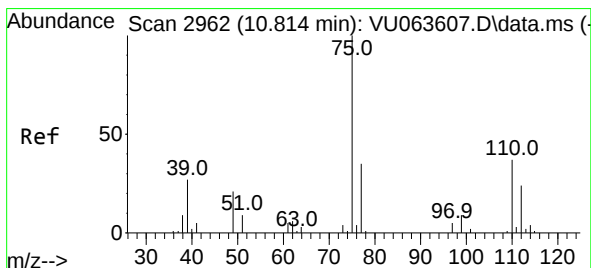
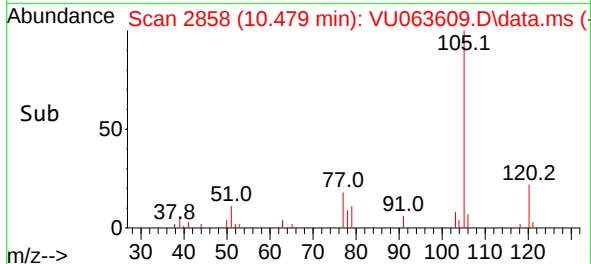
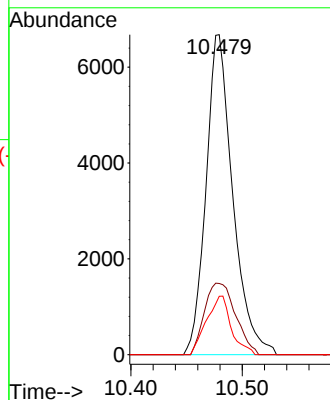
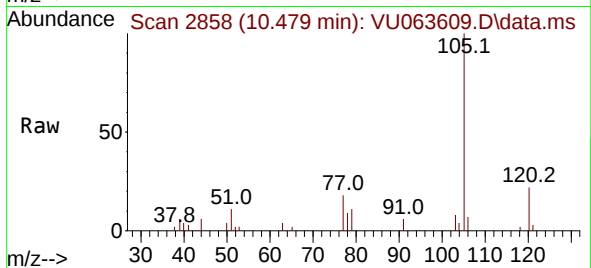




#60
Isopropylbenzene
Concen: 0.235 ug/L
RT: 10.479 min Scan# 2857
Delta R.T. 0.003 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

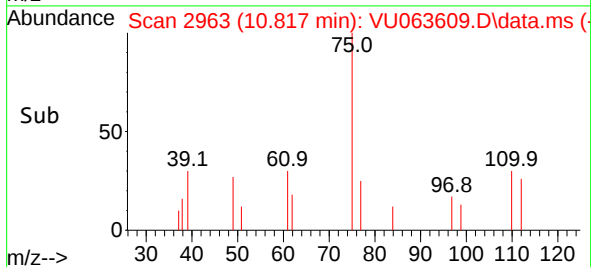
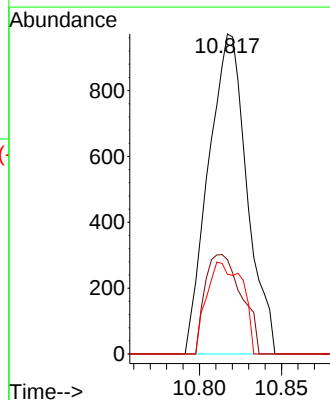
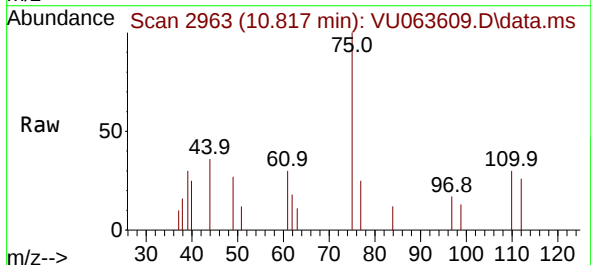
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2025-06

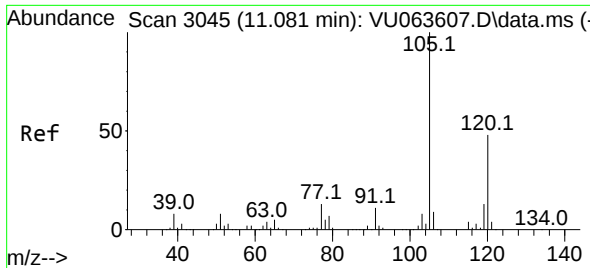
Tgt Ion:105 Resp: 11149
Ion Ratio Lower Upper
105 100
120 26.0 20.9 31.3
77 16.9 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 0.242 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.003 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

Tgt Ion: 75 Resp: 1581
Ion Ratio Lower Upper
75 100
110 29.5 28.3 42.5
77 26.6 25.2 37.8

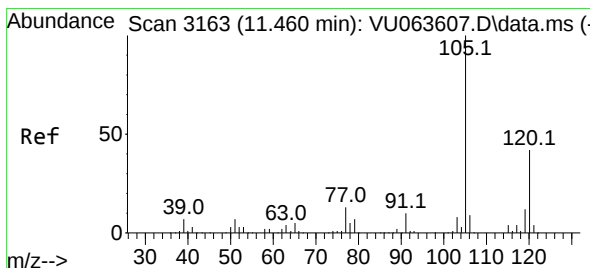
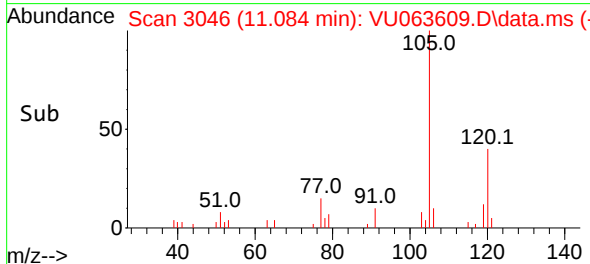
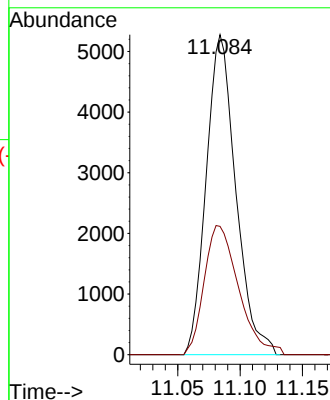
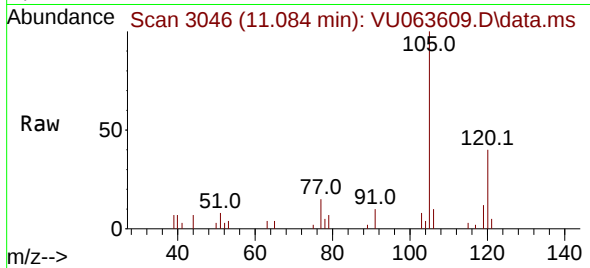




#62
1,3,5-Trimethylbenzene
Concen: 0.226 ug/L
RT: 11.084 min Scan# 3045
Delta R.T. 0.003 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

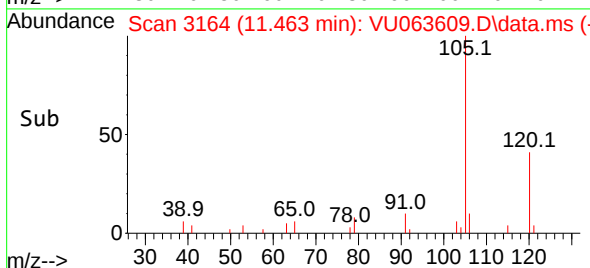
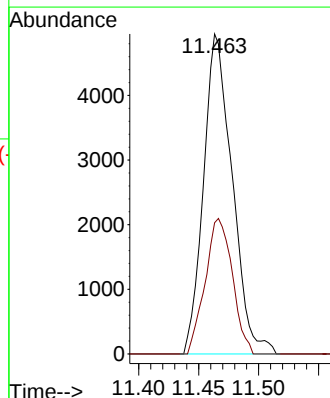
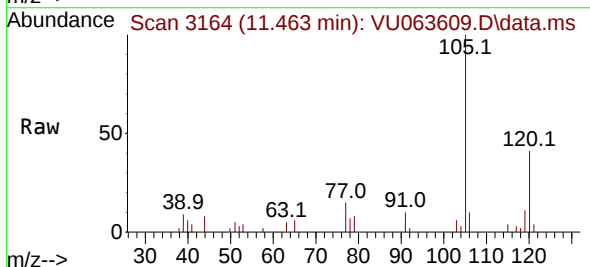
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-06

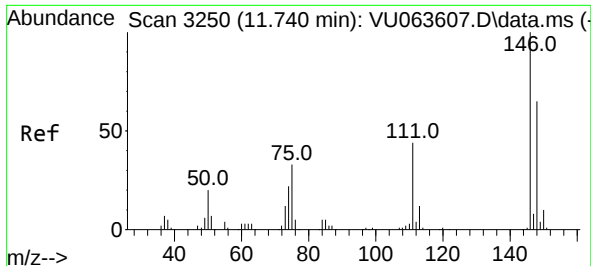
Tgt Ion:105 Resp: 8712
Ion Ratio Lower Upper
105 100
120 47.0 38.4 57.6



#63
1,2,4-Trimethylbenzene
Concen: 0.224 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.003 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

Tgt Ion:105 Resp: 8232
Ion Ratio Lower Upper
105 100
120 40.1 35.3 52.9

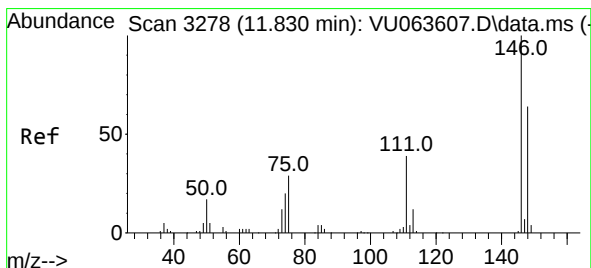
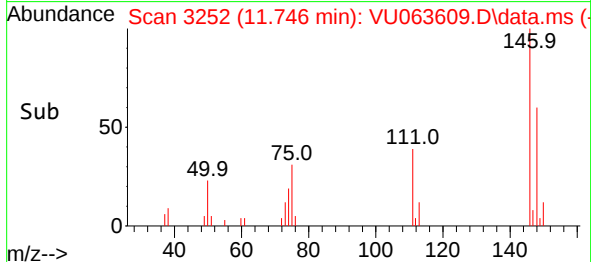
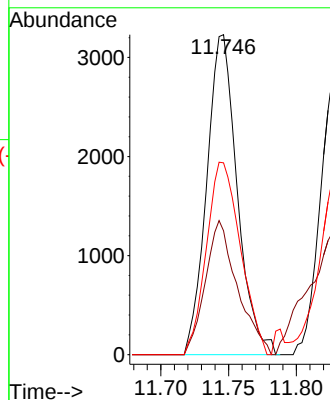
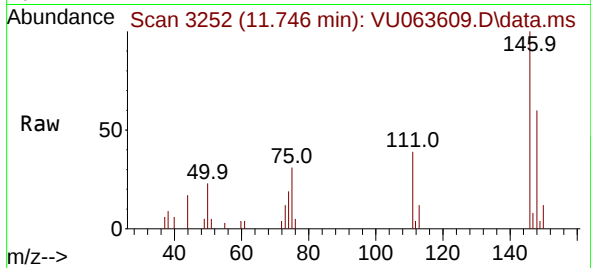




#64
1,3-Dichlorobenzene
Concen: 0.238 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

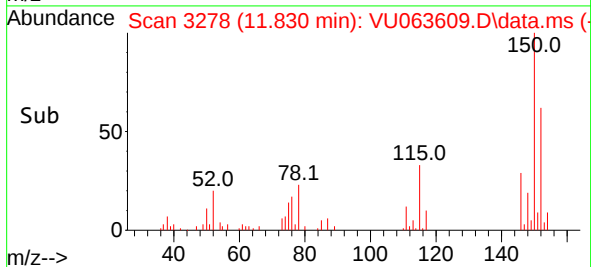
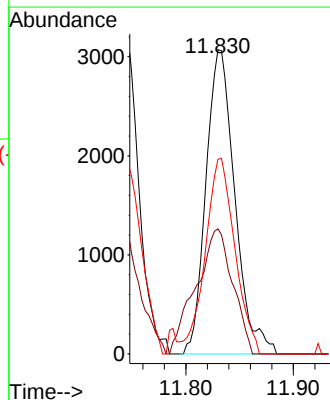
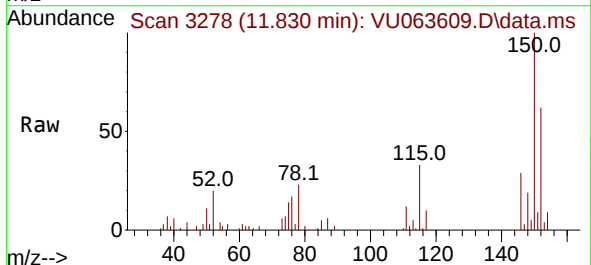
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-06

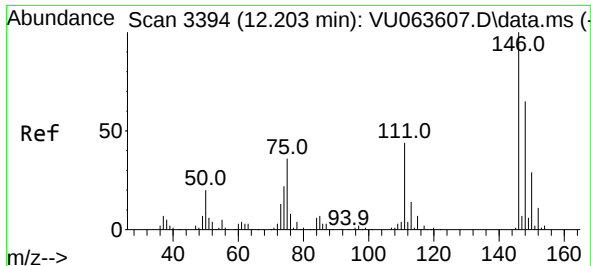
Tgt Ion:146	Resp:	5056
Ion Ratio	Lower	Upper
146	100	
111	38.7	29.0 53.8
148	59.9	44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 0.268 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

Tgt Ion:146	Resp:	5739
Ion Ratio	Lower	Upper
146	100	
111	41.1	27.2 50.4
148	64.0	44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 0.245 ug/L

RT: 12.203 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU063609.D

Acq: 18 Sep 2025 10:09

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2025-06

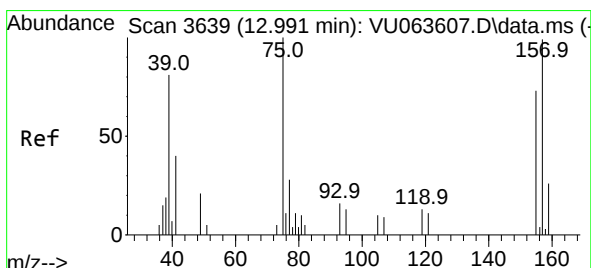
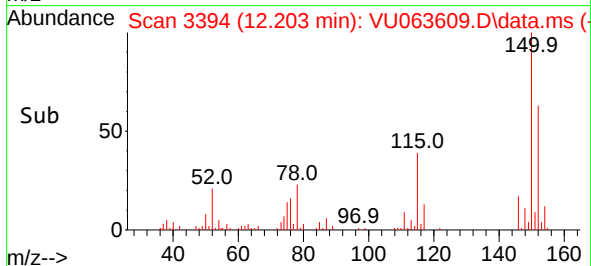
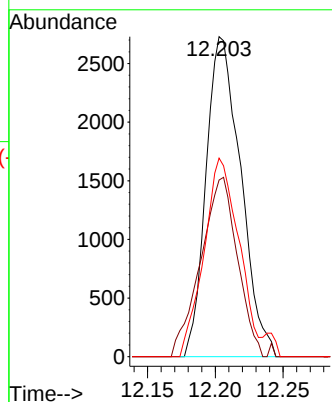
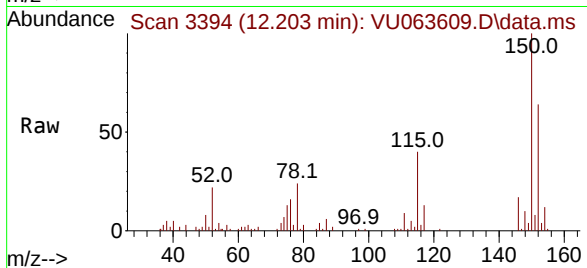
Tgt Ion:146 Resp: 4853

Ion Ratio Lower Upper

146 100

111 55.2 35.5 53.3#

148 62.1 52.1 78.1



#68

1,2-Dibromo-3-chloropropane

Concen: 0.153 ug/L

RT: 12.997 min Scan# 3641

Delta R.T. 0.006 min

Lab File: VU063609.D

Acq: 18 Sep 2025 10:09

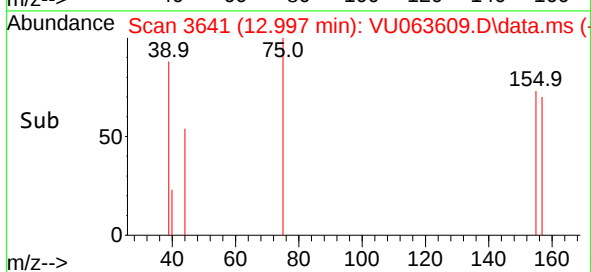
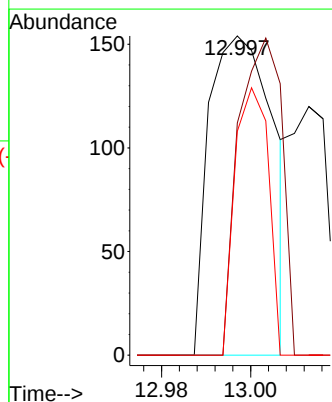
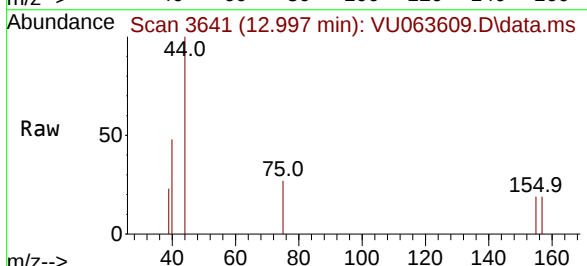
Tgt Ion: 75 Resp: 154

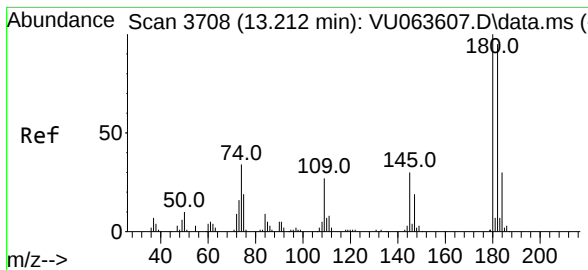
Ion Ratio Lower Upper

75 100

155 72.7 58.4 87.6

157 70.1 77.8 116.8#

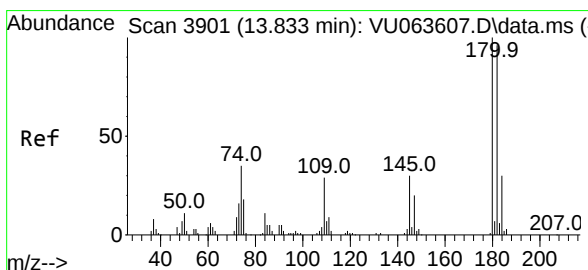
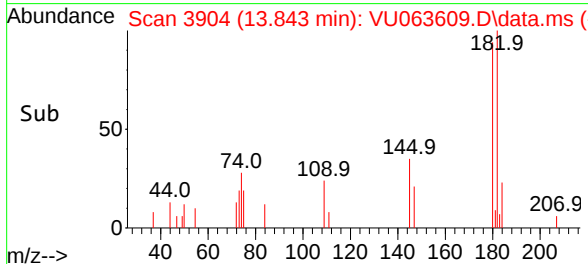
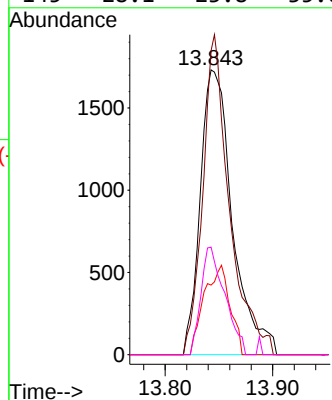
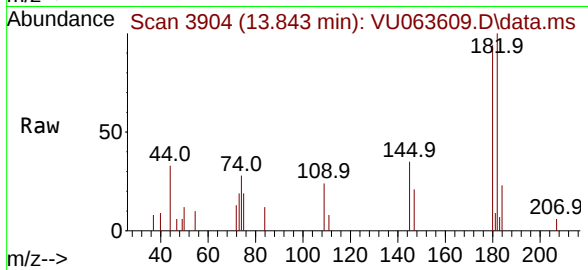




#69
 1,3,5-Trichlorobenzene
 Concen: 0.226 ug/L
 RT: 13.843 min Scan# 3904
 Delta R.T. 0.630 min
 Lab File: VU063609.D
 Acq: 18 Sep 2025 10:09

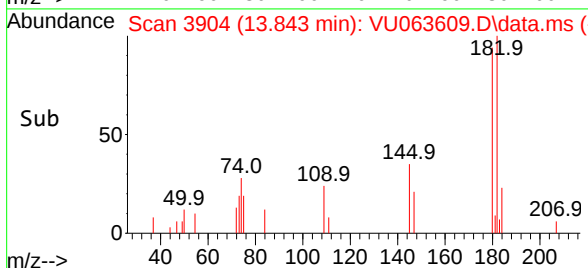
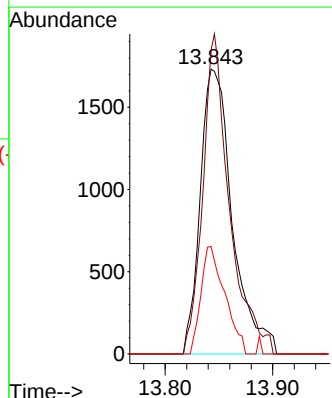
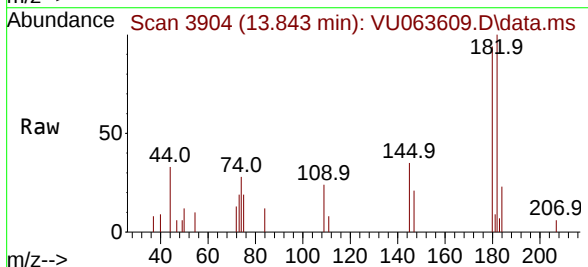
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2025-06

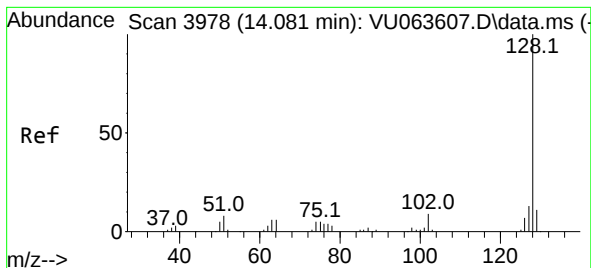
Tgt Ion:	180	Resp:	3596
Ion Ratio	Lower	Upper	
180	100		
182	92.9	74.6	111.8
184	25.2	23.4	35.2
145	28.1	23.8	35.6



#70
 1,2,4-trichlorobenzene
 Concen: 0.293 ug/L
 RT: 13.843 min Scan# 3904
 Delta R.T. 0.010 min
 Lab File: VU063609.D
 Acq: 18 Sep 2025 10:09

Tgt Ion:	180	Resp:	3596
Ion Ratio	Lower	Upper	
180	100		
182	92.9	76.6	114.8
145	28.1	25.0	37.4





#71

Naphthalene

Concen: 0.306 ug/L

RT: 14.100 min Scan# 3978

Delta R.T. 0.019 min

Lab File: VU063609.D

Acq: 18 Sep 2025 10:09

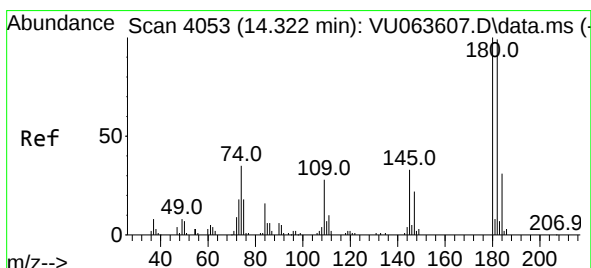
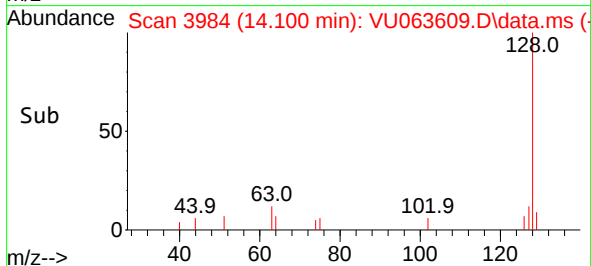
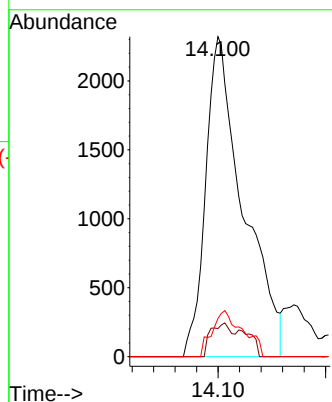
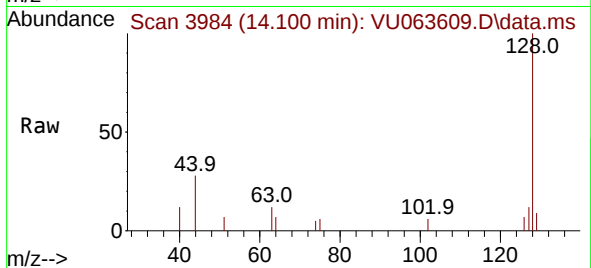
Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2025-06

Tgt Ion:128	Resp:	5614
Ion Ratio	Lower	Upper
128	100	
129	6.1	8.8 13.2#
127	11.8	11.0 16.4



#72

1,2,3-Trichlorobenzene

Concen: 0.285 ug/L

RT: 14.331 min Scan# 4056

Delta R.T. 0.010 min

Lab File: VU063609.D

Acq: 18 Sep 2025 10:09

Tgt Ion:180	Resp:	2998
Ion Ratio	Lower	Upper
180	100	
182	98.7	78.2 117.2
145	30.3	26.0 39.0

