

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092325\
 Data File : VU063627.D
 Acq On : 23 Sep 2025 11:20
 Operator : MD/SY
 Sample : Q2899-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Sep 24 01:19:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092225WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 24 01:10:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.235	114	235047	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	222635	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	104280	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	76865	48.756	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	97.520%		
7) Chloroethane-d5	1.894	69	68867	51.345	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	102.680%		
11) 1,1-Dichloroethene-d2	2.550	63	103055	36.581	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	73.160%		
21) 2-Butanone-d5	4.615	46	107802	99.104	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	99.100%		
24) Chloroform-d	5.045	84	141664	48.025	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.060%		
26) 1,2-Dichloroethane-d4	5.688	65	99432	51.739	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.480%		
32) Benzene-d6	5.714	84	280407	52.585	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	105.160%		
36) 1,2-Dichloropropane-d6	6.676	67	92463	53.078	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	106.160%		
41) Toluene-d8	7.888	98	251996	50.286	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	100.580%		
43) trans-1,3-Dichloroprop...	8.171	79	27680	43.869	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.740%		
47) 2-Hexanone-d5	8.624	63	67063	105.062	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	105.060%		
56) 1,1,2,2-Tetrachloroeth...	10.746	84	136291	50.809	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	101.620%		
66) 1,2-Dichlorobenzene-d4	12.187	152	92448	52.755	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	105.500%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	2916	2.305	ug/L	90
3) Chloromethane	1.518	50	4375	2.683	ug/L	99
5) Vinyl chloride	1.595	62	5074	2.614	ug/L #	70
6) Bromomethane	1.833	94	3319	2.699	ug/L	78
8) Chloroethane	1.914	64	3725	2.833	ug/L	87
9) Trichlorofluoromethane	2.123	101	7101	2.511	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.563	101	4658	2.994	ug/L #	77
12) 1,1-Dichloroethene	2.566	96	3831	2.768	ug/L #	1
13) Acetone	2.621	43	7485	5.766	ug/L	97
14) Carbon disulfide	2.775	76	7778	2.166	ug/L	98
15) Methyl Acetate	2.959	43	3235	1.680	ug/L	97
16) Methylene chloride	3.033	84	6648	3.799	ug/L	94
17) trans-1,2-Dichloroethene	3.341	96	3870	2.597	ug/L	87
18) Methyl tert-butyl Ether	3.357	73	11091	2.301	ug/L	99
19) 1,1-Dichloroethane	3.856	63	7094	2.339	ug/L	90
20) cis-1,2-Dichloroethene	4.656	96	4189	2.401	ug/L	97
22) 2-Butanone	4.653	43	208	0.139	ug/L #	1
23) Bromochloromethane	4.965	128	2025	2.215	ug/L	97
25) Chloroform	5.068	83	9346	2.901	ug/L	98

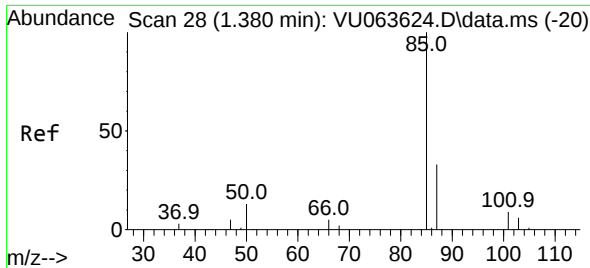
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092325\
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	5630	2.115	ug/L #	92
29) Cyclohexane	5.370	56	3615	1.381	ug/L #	46
30) 1,1,1-Trichloroethane	5.303	97	5530	2.259	ug/L #	88
31) Carbon tetrachloride	5.505	117	4273	2.203	ug/L	90
33) Benzene	5.766	78	15830	2.449	ug/L	100
34) Trichloroethene	6.537	95	4808	2.655	ug/L	97
35) Methylcyclohexane	6.750	83	7377	2.854	ug/L #	84
37) 1,2-Dichloropropane	6.782	63	4204	2.348	ug/L #	88
38) Bromodichloromethane	7.094	83	4465	2.103	ug/L	96
39) cis-1,3-Dichloropropene	7.602	75	5486	2.357	ug/L	95
40) 4-Methyl-2-pentanone	7.788	43	11562	4.482	ug/L	94
42) Toluene	7.965	91	17998	2.539	ug/L	95
44) trans-1,3-Dichloropropene	8.203	75	5859	2.964	ug/L	90
45) 1,1,2-Trichloroethane	8.396	97	4463	2.568	ug/L	90
46) Tetrachloroethene	8.547	164	3218	2.440	ug/L	92
48) 2-Hexanone	8.682	43	13903	7.124	ug/L #	93
49) Dibromochloromethane	8.804	129	3279	2.108	ug/L	96
50) 1,2-Dibromoethane	8.917	107	4072	2.262	ug/L #	72
51) Chlorobenzene	9.438	112	11490	2.450	ug/L	92
52) Ethylbenzene	9.566	91	18328	2.338	ug/L	92
53) m,p-Xylene	9.692	106	6277	2.147	ug/L	91
54) o-Xylene	10.093	106	6410	2.200	ug/L	92
55) Styrene	10.116	104	10204	2.143	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.772	83	7781	2.649	ug/L #	97
59) Bromoform	10.286	173	2019	1.988	ug/L #	93
60) 1,2,3-Trichloropropane	10.814	75	6031	2.743	ug/L	97
61) Isopropylbenzene	10.476	105	17380	2.444	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	13471	2.303	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	12619	2.225	ug/L	94
64) 1,3-Dichlorobenzene	11.743	146	8384	2.587	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	8416	2.566	ug/L	92
67) 1,2-Dichlorobenzene	12.206	146	8116	2.546	ug/L	96
68) 1,2-Dibromo-3-chloropr...	13.219	75	1055	2.140	ug/L #	1
69) 1,3,5-Trichlorobenzene	13.846	180	4365	1.926	ug/L	96
70) 1,2,4-trichlorobenzene	13.846	180	4365	2.333	ug/L	98
71) Naphthalene	14.097	128	11555	2.273	ug/L #	77
72) 1,2,3-Trichlorobenzene	14.334	180	3781	2.109	ug/L #	88

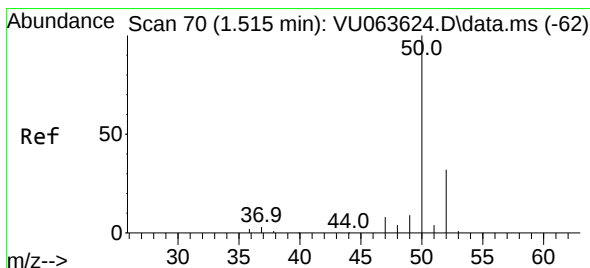
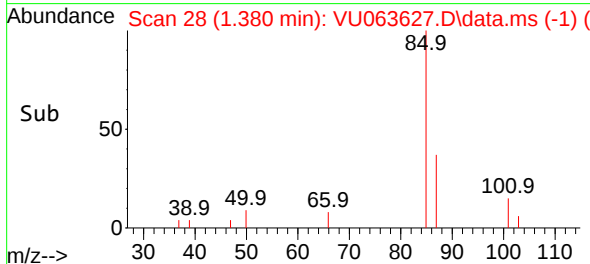
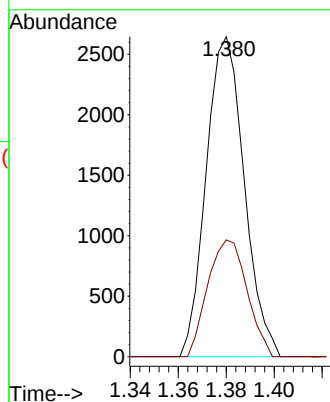
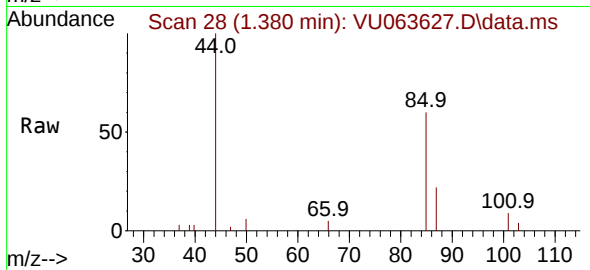
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#2
 Dichlorodifluoromethane
 Concen: 2.305 ug/L
 RT: 1.380 min Scan# 28
 Delta R.T. -0.000 min
 Lab File: VU063627.D
 Acq: 23 Sep 2025 11:20

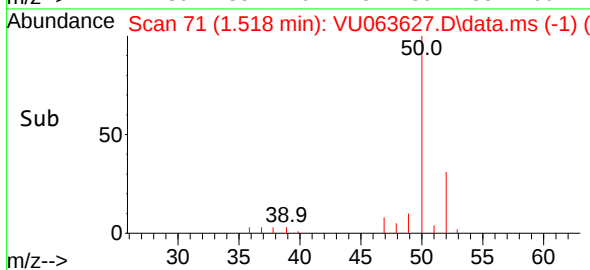
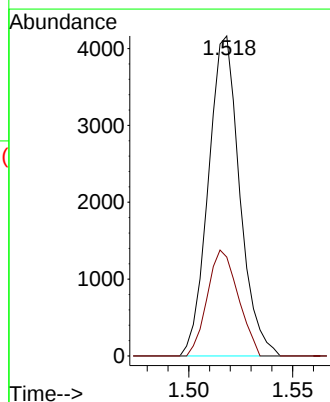
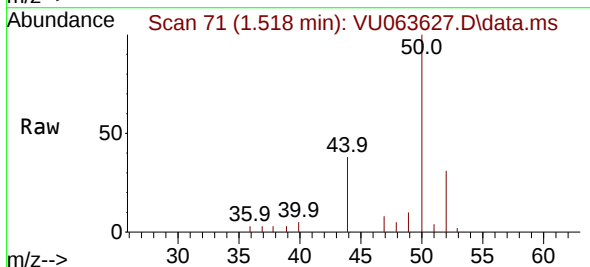
Instrument : MSVOA_U
 ClientSampleId : MDL-WATER-QT3-2025-06

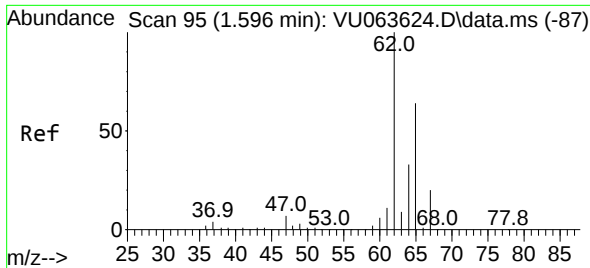
Tgt Ion: 85 Resp: 2916
 Ion Ratio Lower Upper
 85 100
 87 37.6 25.5 38.3



#3
 Chloromethane
 Concen: 2.683 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VU063627.D
 Acq: 23 Sep 2025 11:20

Tgt Ion: 50 Resp: 4375
 Ion Ratio Lower Upper
 50 100
 52 30.9 22.2 41.2

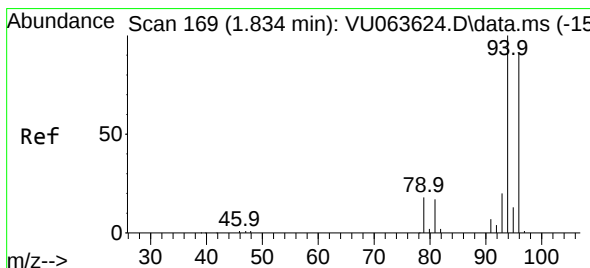
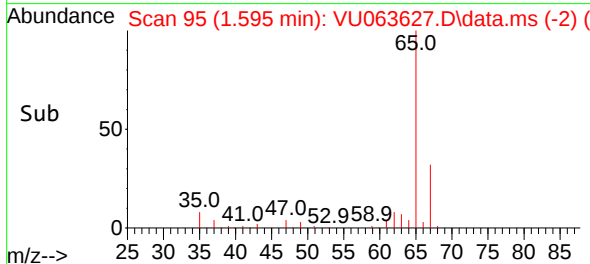
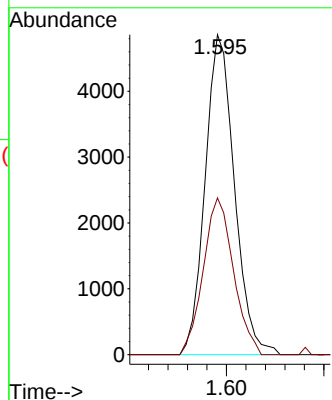
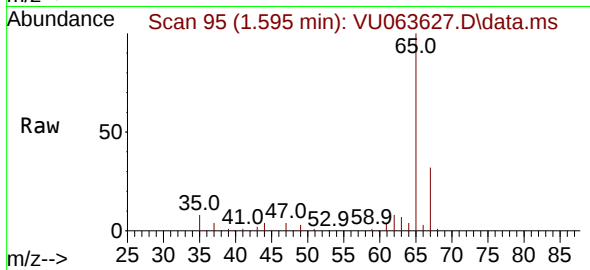




#5
 Vinyl chloride
 Concen: 2.614 ug/L
 RT: 1.595 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU063627.D
 Acq: 23 Sep 2025 11:20

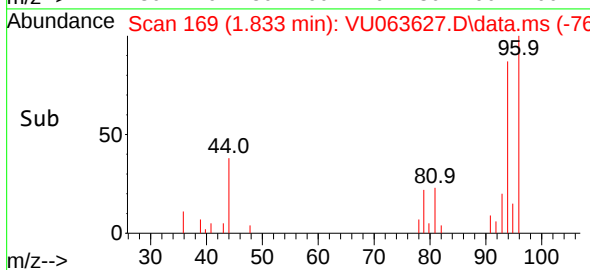
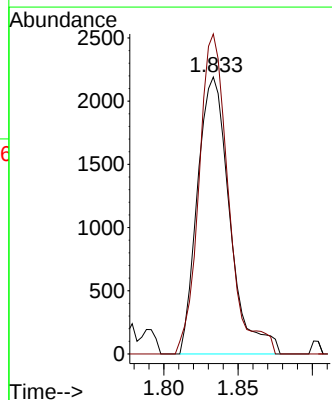
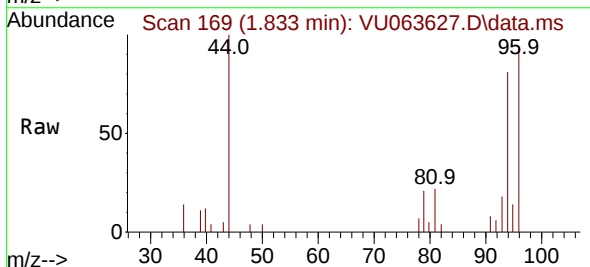
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 MDL-WATER-QT3-2025-06

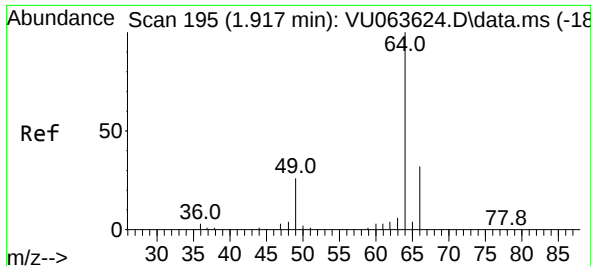
Tgt Ion: 62 Resp: 5074
 Ion Ratio Lower Upper
 62 100
 64 49.0 22.5 41.7#



#6
 Bromomethane
 Concen: 2.699 ug/L
 RT: 1.833 min Scan# 169
 Delta R.T. -0.000 min
 Lab File: VU063627.D
 Acq: 23 Sep 2025 11:20

Tgt Ion: 94 Resp: 3319
 Ion Ratio Lower Upper
 94 100
 96 115.5 65.7 122.1

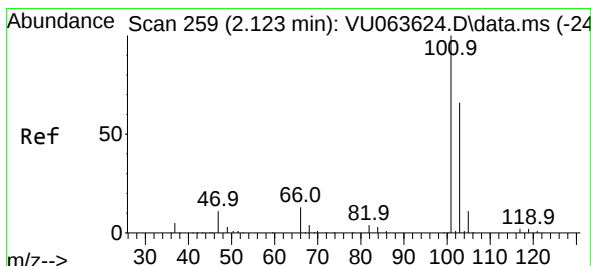
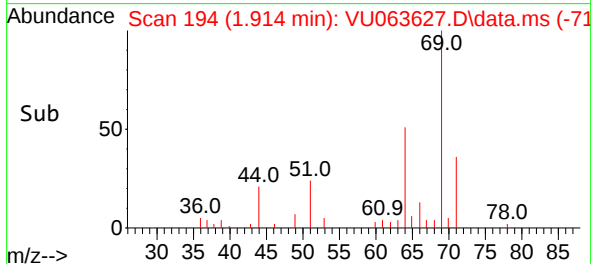
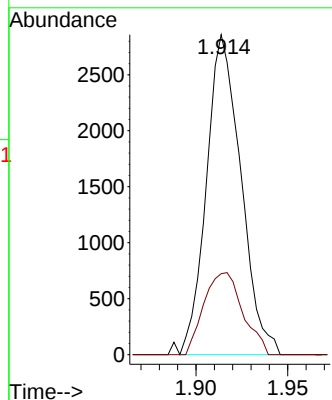
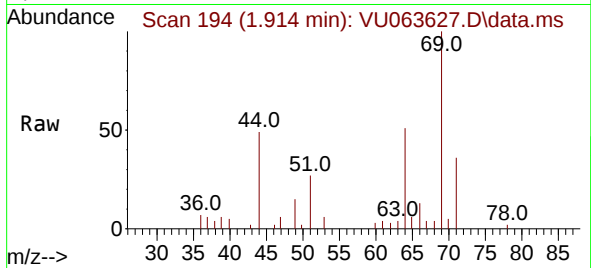




#8
Chloroethane
Concen: 2.833 ug/L
RT: 1.914 min Scan# 195
Delta R.T. -0.003 min
Lab File: VU063627.D
Acq: 23 Sep 2025 11:20

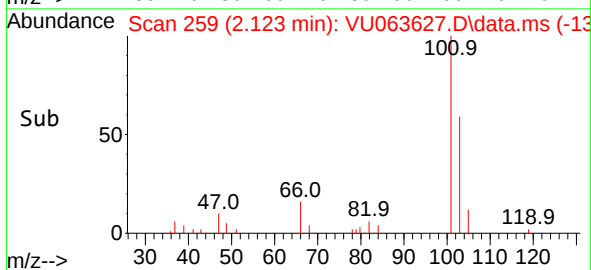
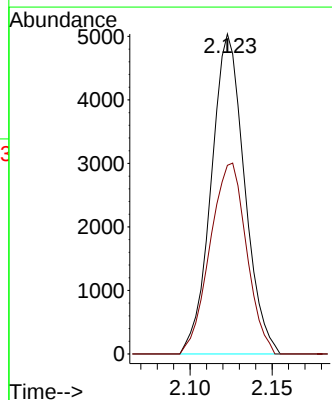
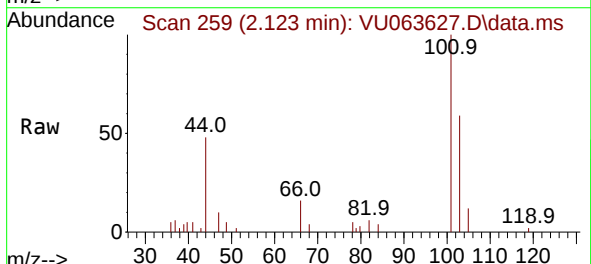
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ClientSampleId : MDL-WATER-QT3-2025-06

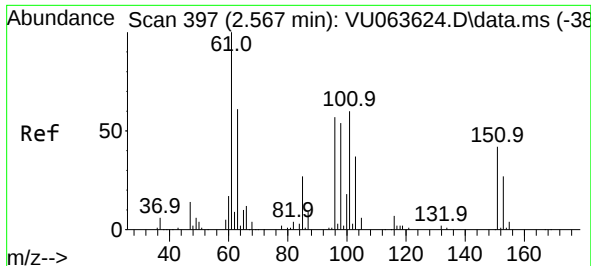
Tgt Ion: 64 Resp: 3725
Ion Ratio Lower Upper
64 100
66 25.3 22.8 42.4



#9
Trichlorofluoromethane
Concen: 2.511 ug/L
RT: 2.123 min Scan# 259
Delta R.T. -0.000 min
Lab File: VU063627.D
Acq: 23 Sep 2025 11:20

Tgt Ion: 101 Resp: 7101
Ion Ratio Lower Upper
101 100
103 65.3 51.1 76.7

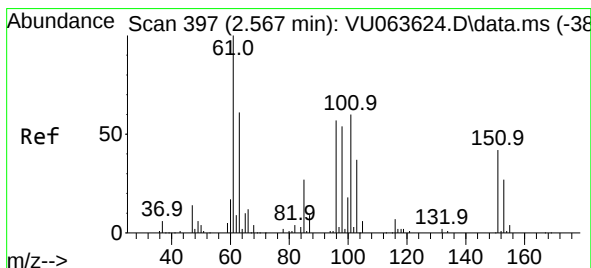
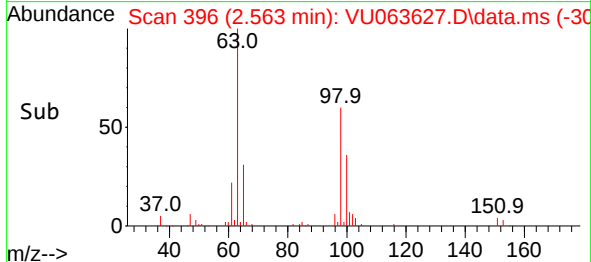
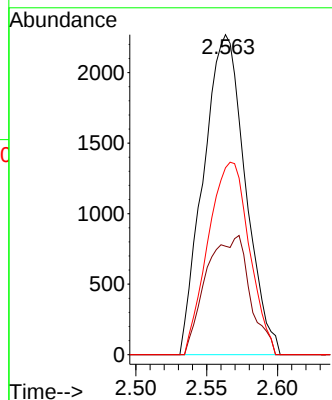
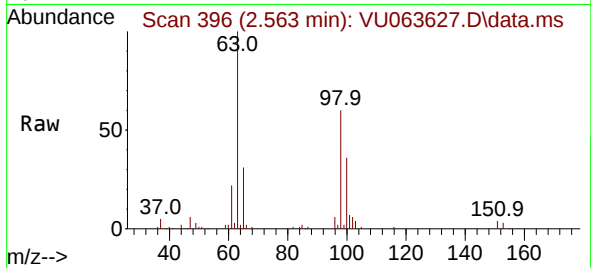




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.994 ug/L
 RT: 2.563 min Scan# 396
 Delta R.T. -0.003 min
 Lab File: VU063627.D
 Acq: 23 Sep 2025 11:20

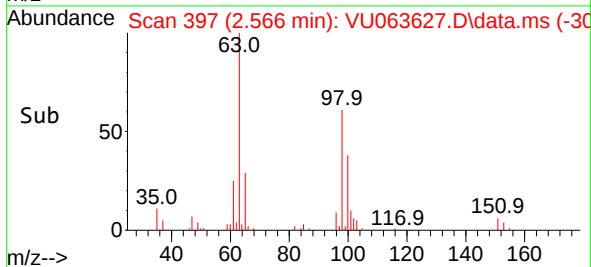
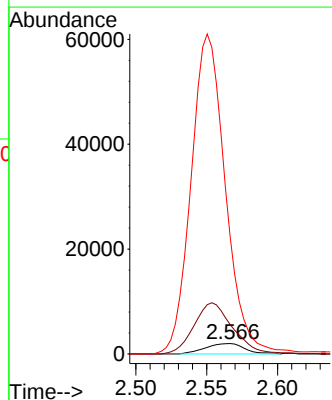
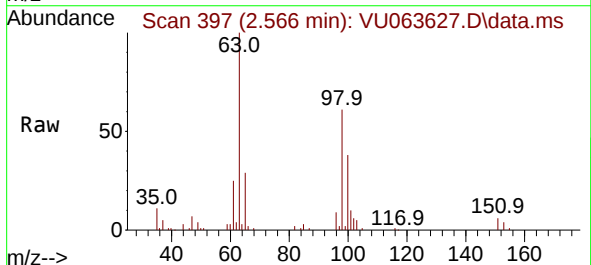
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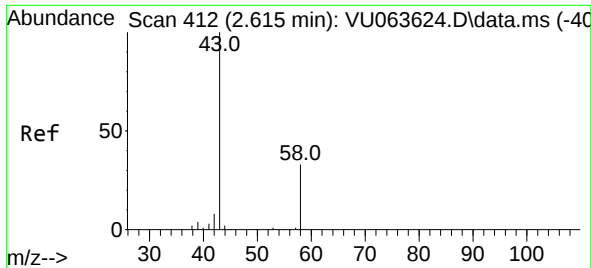
Tgt Ion:101 Resp: 4658
 Ion Ratio Lower Upper
 101 100
 85 22.8 36.8 55.2#
 151 59.3 58.0 87.0



#12
 1,1-Dichloroethene
 Concen: 2.768 ug/L
 RT: 2.566 min Scan# 397
 Delta R.T. -0.000 min
 Lab File: VU063627.D
 Acq: 23 Sep 2025 11:20

Tgt Ion: 96 Resp: 3831
 Ion Ratio Lower Upper
 96 100
 61 283.9 121.4 225.4#
 63 1133.7 81.5 151.3#





#13

Acetone

Concen: 5.766 ug/L

RT: 2.621 min Scan# 41

Delta R.T. 0.006 min

Lab File: VU063627.D

Acq: 23 Sep 2025 11:20

Instrument :

MSVOA_U

ClientSampleId :

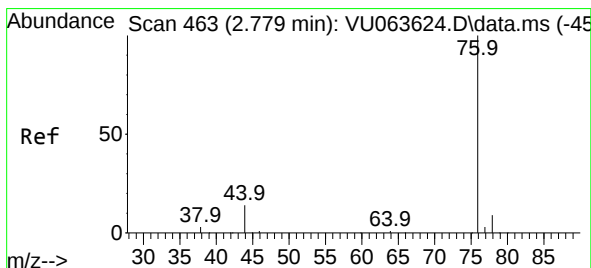
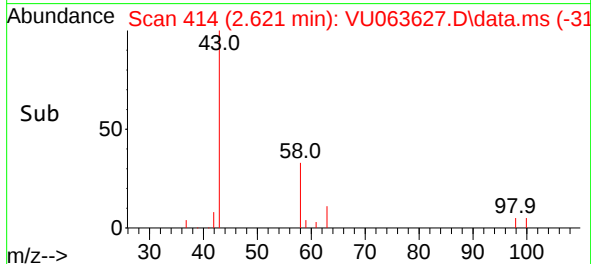
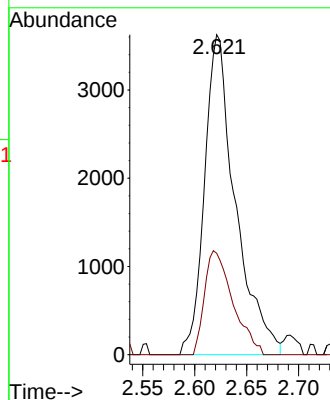
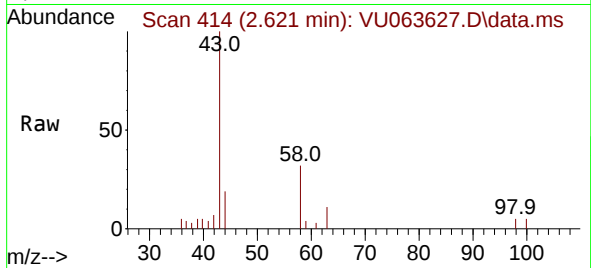
MDL-WATER-QT3-2025-06

Tgt Ion: 43 Resp: 7485

Ion Ratio Lower Upper

43 100

58 29.8 0.0 62.4



#14

Carbon disulfide

Concen: 2.166 ug/L

RT: 2.775 min Scan# 462

Delta R.T. -0.003 min

Lab File: VU063627.D

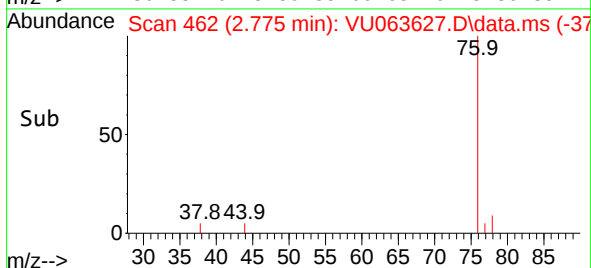
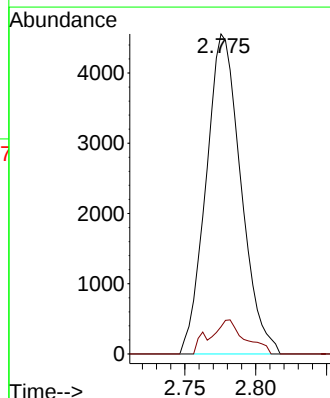
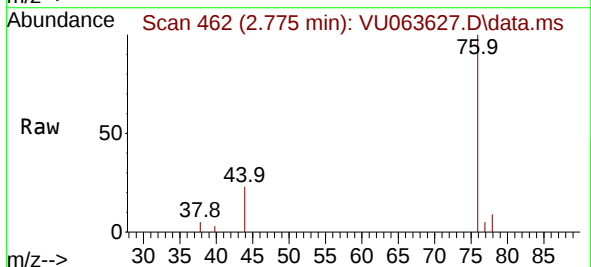
Acq: 23 Sep 2025 11:20

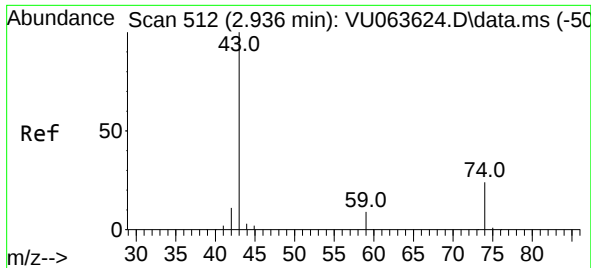
Tgt Ion: 76 Resp: 7778

Ion Ratio Lower Upper

76 100

78 8.5 7.4 11.2

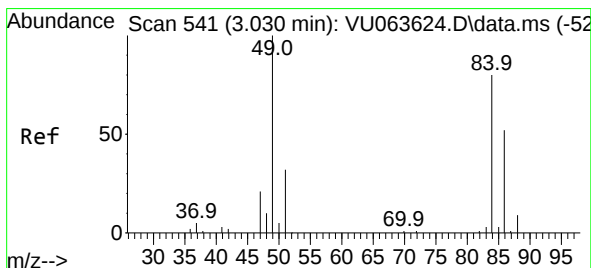
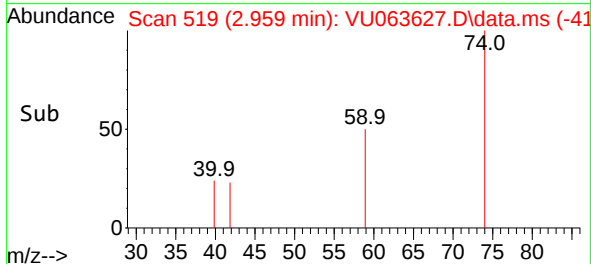
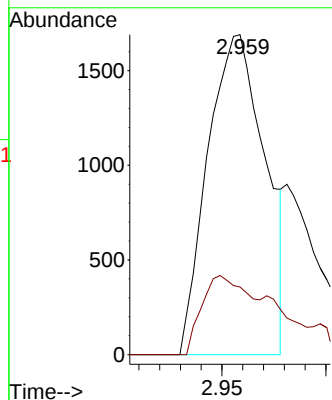
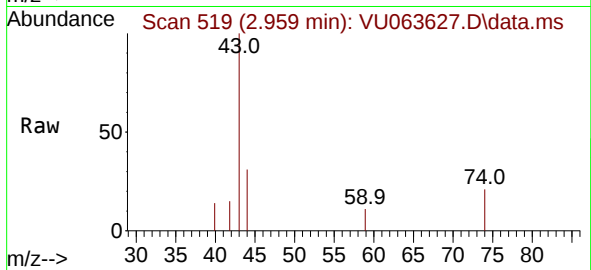




#15
Methyl Acetate
Concen: 1.680 ug/L
RT: 2.959 min Scan# 51
Delta R.T. 0.022 min
Lab File: VU063627.D
Acq: 23 Sep 2025 11:20

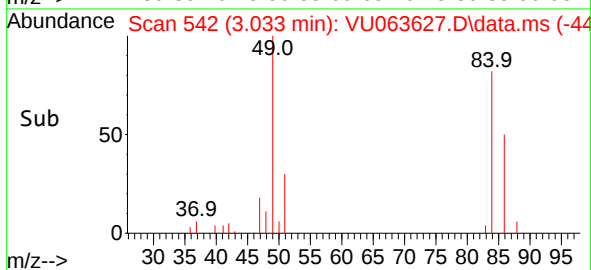
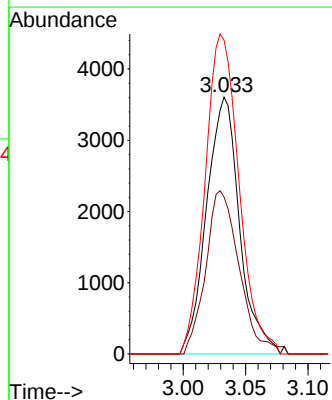
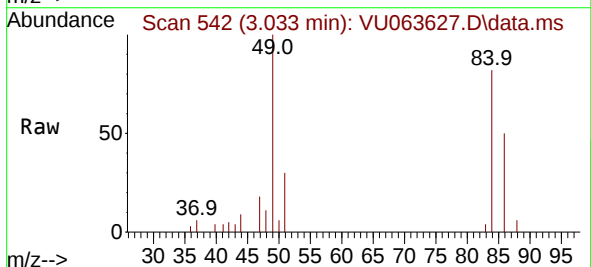
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-06

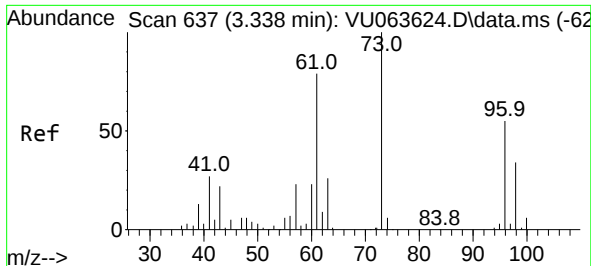
Tgt Ion: 43 Resp: 3235
Ion Ratio Lower Upper
43 100
74 21.1 18.0 27.0



#16
Methylene chloride
Concen: 3.799 ug/L
RT: 3.033 min Scan# 542
Delta R.T. 0.003 min
Lab File: VU063627.D
Acq: 23 Sep 2025 11:20

Tgt Ion: 84 Resp: 6648
Ion Ratio Lower Upper
84 100
86 61.1 47.2 87.6
49 122.2 90.2 167.4

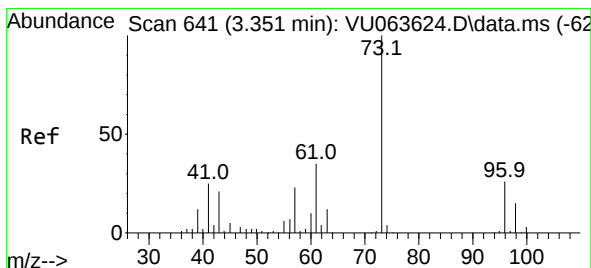
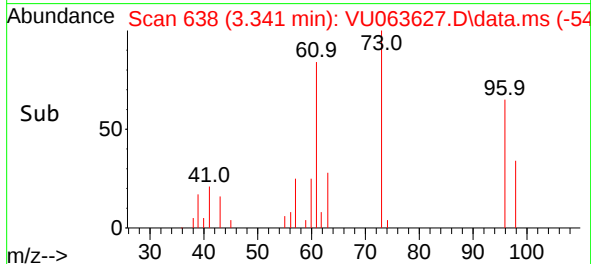
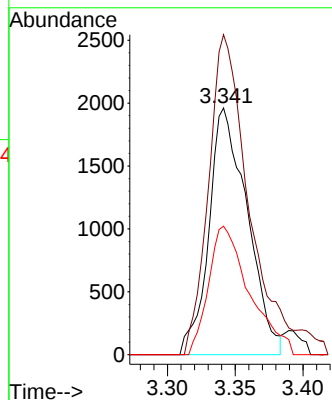
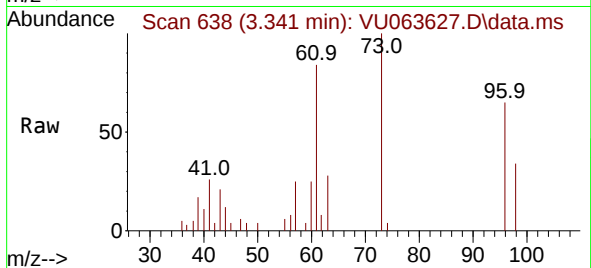




#17
trans-1,2-Dichloroethene
Concen: 2.597 ug/L
RT: 3.341 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU063627.D
Acq: 23 Sep 2025 11:20

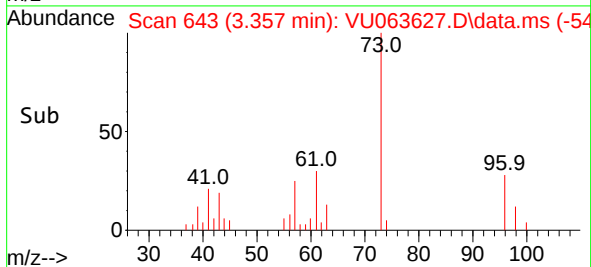
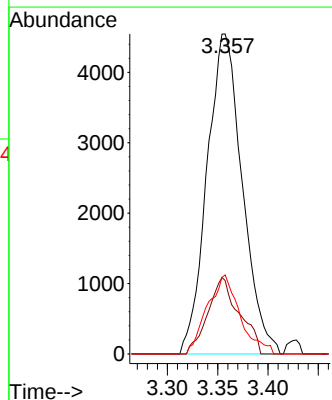
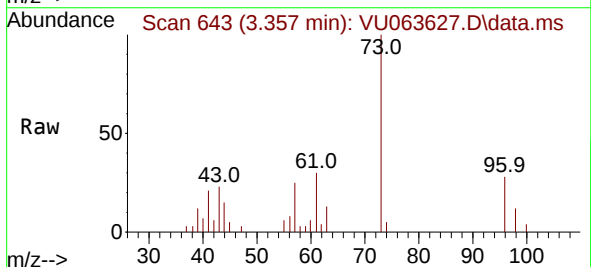
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-06

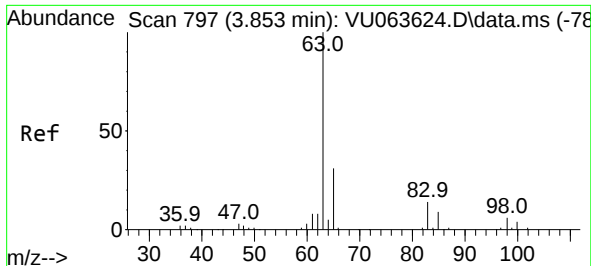
Tgt Ion: 96 Resp: 3870
Ion Ratio Lower Upper
96 100
61 129.7 102.2 189.8
98 52.1 43.7 81.1



#18
Methyl tert-butyl Ether
Concen: 2.301 ug/L
RT: 3.357 min Scan# 643
Delta R.T. 0.006 min
Lab File: VU063627.D
Acq: 23 Sep 2025 11:20

Tgt Ion: 73 Resp: 11091
Ion Ratio Lower Upper
73 100
43 21.3 16.5 24.7
57 22.6 17.8 26.6





#19

1,1-Dichloroethane

Concen: 2.339 ug/L

RT: 3.856 min Scan# 79

Delta R.T. 0.003 min

Lab File: VU063627.D

Acq: 23 Sep 2025 11:20

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2025-06

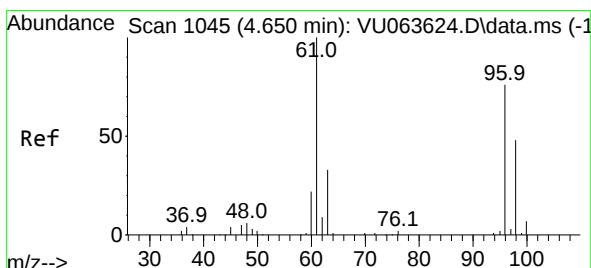
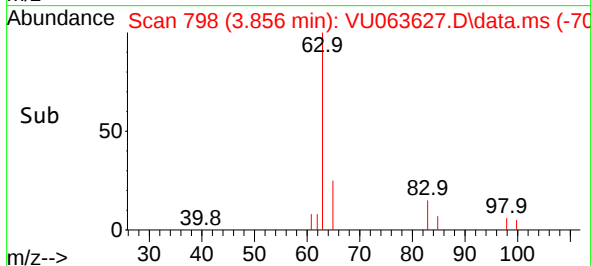
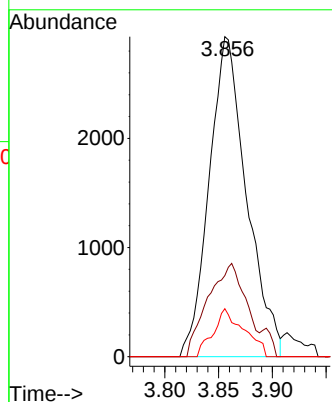
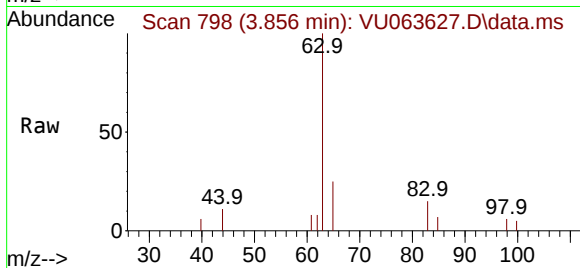
Tgt Ion: 63 Resp: 7094

Ion Ratio Lower Upper

63 100

65 25.4 23.0 42.8

83 15.0 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 2.401 ug/L

RT: 4.656 min Scan# 1047

Delta R.T. 0.006 min

Lab File: VU063627.D

Acq: 23 Sep 2025 11:20

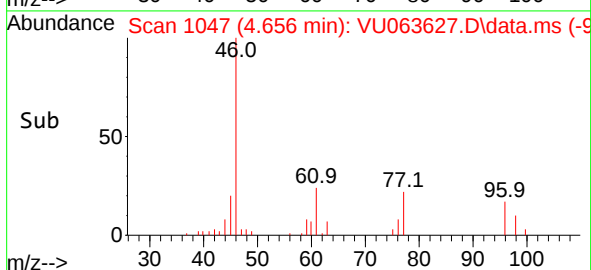
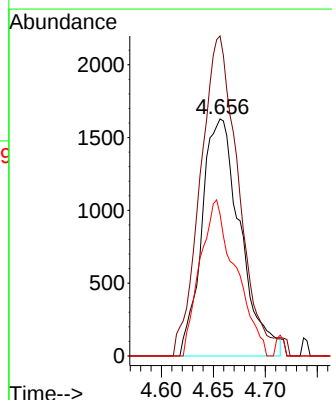
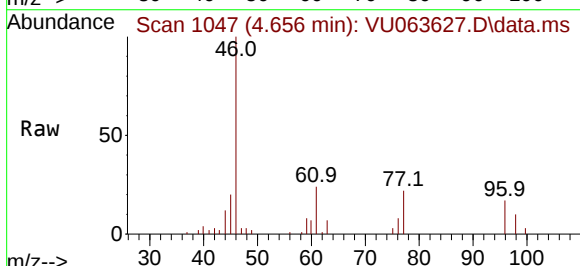
Tgt Ion: 96 Resp: 4189

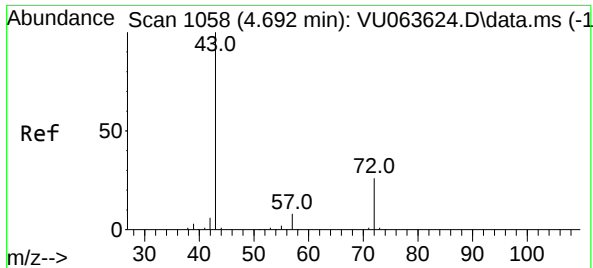
Ion Ratio Lower Upper

96 100

61 135.0 95.5 177.3

98 59.8 46.1 85.7





#22

2-Butanone

Concen: 0.139 ug/L

RT: 4.653 min Scan# 1046

Delta R.T. -0.039 min

Lab File: VU063627.D

Acq: 23 Sep 2025 11:20

Instrument :

MSVOA_U

ClientSampleId :

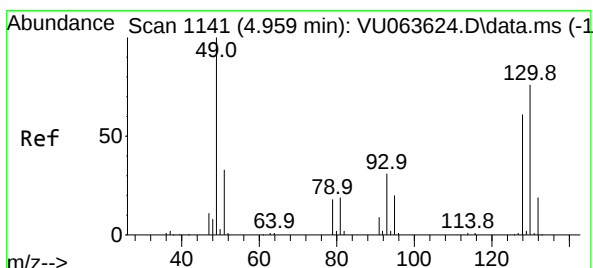
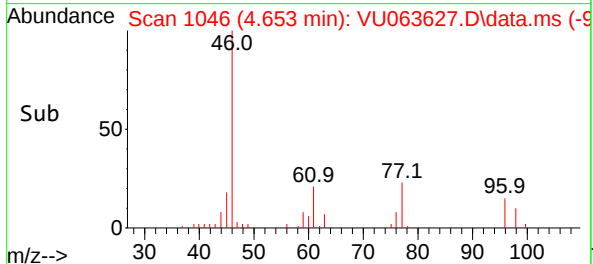
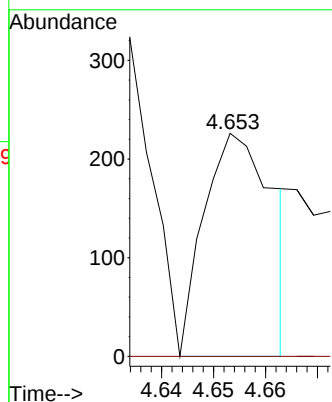
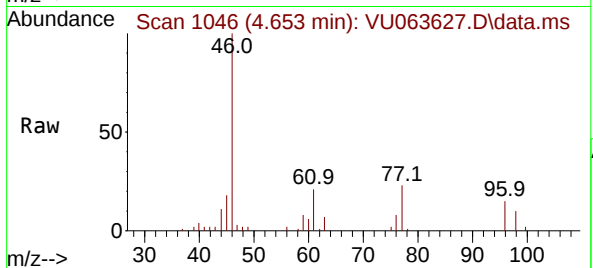
MDL-WATER-QT3-2025-06

Tgt Ion: 43 Resp: 208

Ion Ratio Lower Upper

43 100

72 132.7 12.7 38.1#



#23

Bromochloromethane

Concen: 2.215 ug/L

RT: 4.965 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VU063627.D

Acq: 23 Sep 2025 11:20

Tgt Ion:128 Resp: 2025

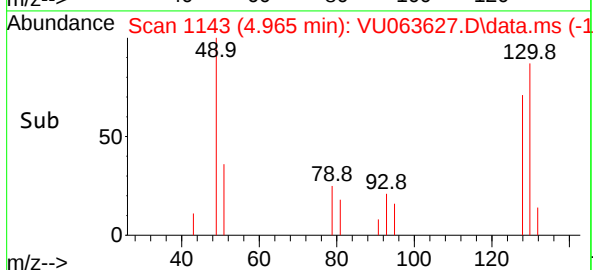
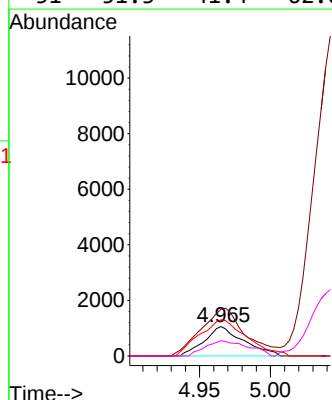
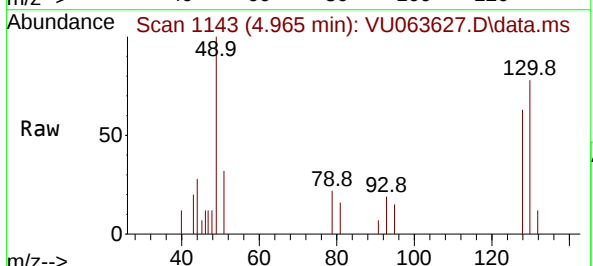
Ion Ratio Lower Upper

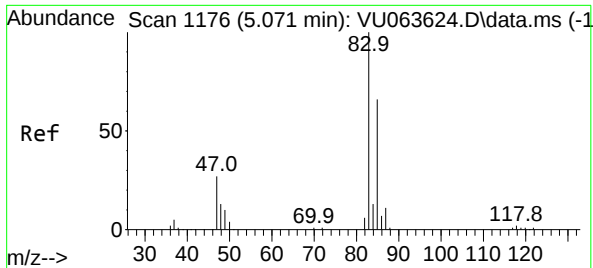
128 100

49 157.9 116.6 216.5

130 122.8 85.6 159.0

51 51.3 41.4 62.0





#25

Chloroform

Concen: 2.901 ug/L

RT: 5.068 min Scan# 1175

Delta R.T. -0.003 min

Lab File: VU063627.D

Acq: 23 Sep 2025 11:20

Instrument :

MSVOA_U

ClientSampleId :

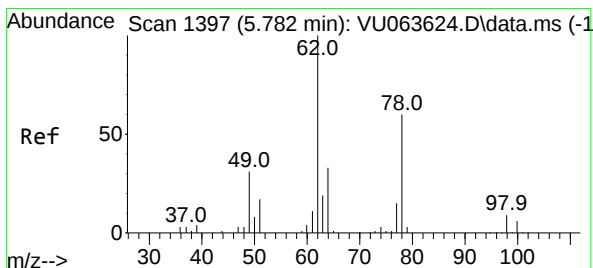
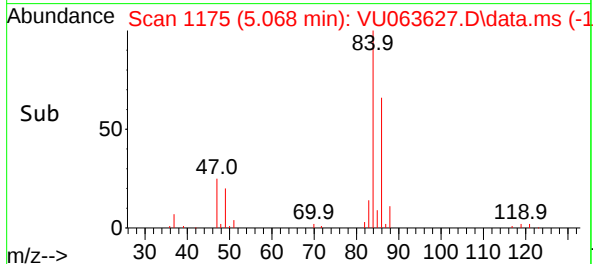
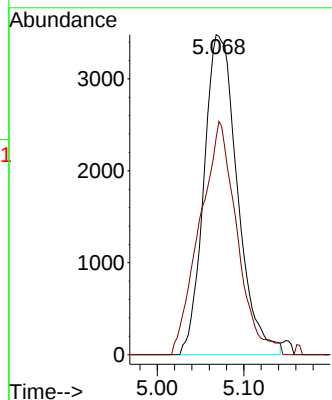
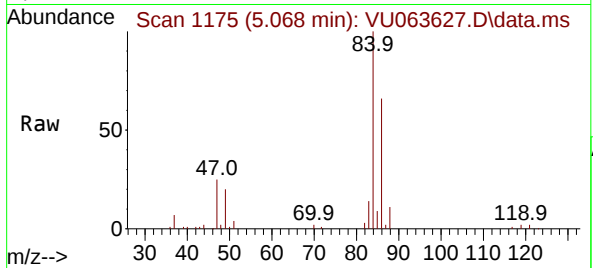
MDL-WATER-QT3-2025-06

Tgt Ion: 83 Resp: 9346

Ion Ratio Lower Upper

83 100

85 67.9 46.1 85.7



#27

1,2-Dichloroethane

Concen: 2.115 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.003 min

Lab File: VU063627.D

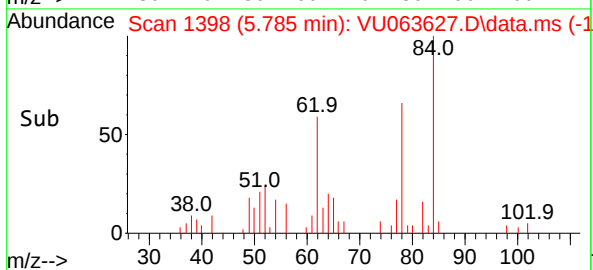
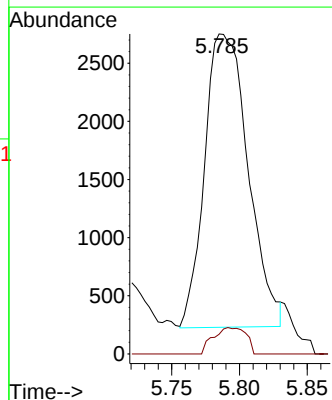
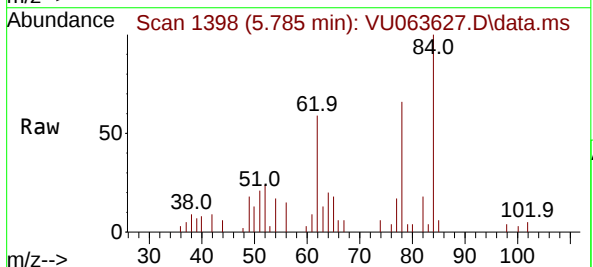
Acq: 23 Sep 2025 11:20

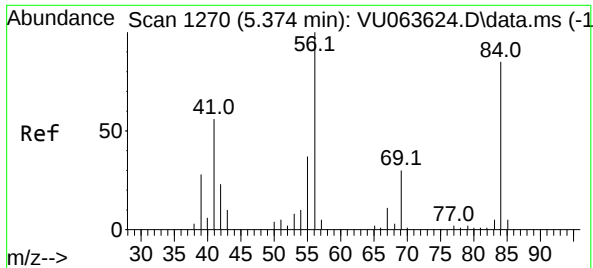
Tgt Ion: 62 Resp: 5630

Ion Ratio Lower Upper

62 100

98 6.1 7.1 10.7#





#29

Cyclohexane

Concen: 1.381 ug/L

RT: 5.370 min Scan# 1269

Delta R.T. -0.003 min

Lab File: VU063627.D

Acq: 23 Sep 2025 11:20

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2025-06

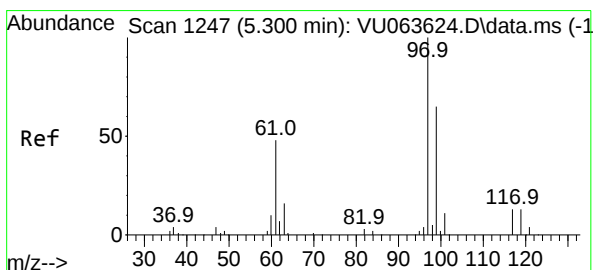
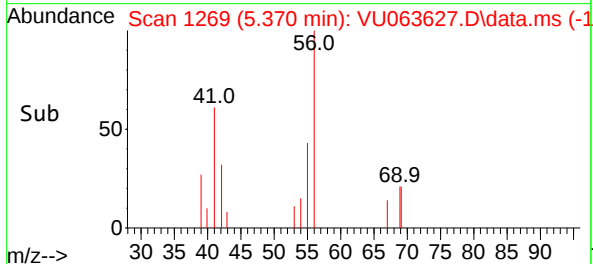
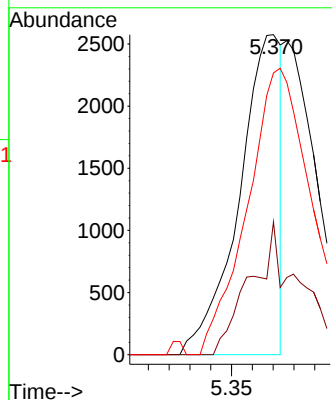
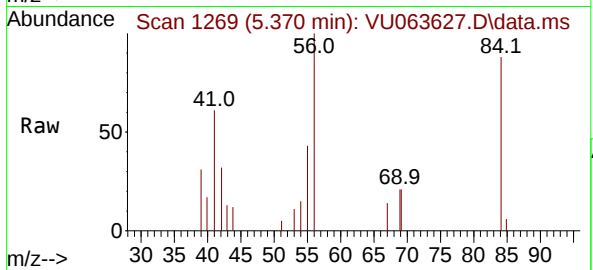
Tgt Ion: 56 Resp: 3615

Ion Ratio Lower Upper

56 100

69 8.6 24.0 36.0#

84 135.6 65.7 98.5#



#30

1,1,1-Trichloroethane

Concen: 2.259 ug/L

RT: 5.303 min Scan# 1248

Delta R.T. 0.003 min

Lab File: VU063627.D

Acq: 23 Sep 2025 11:20

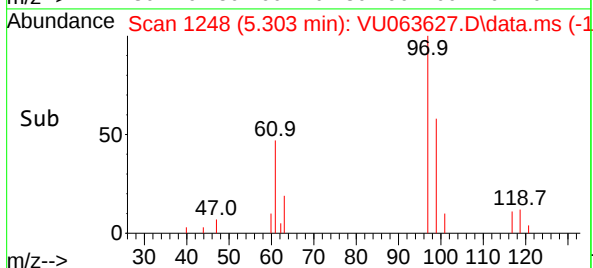
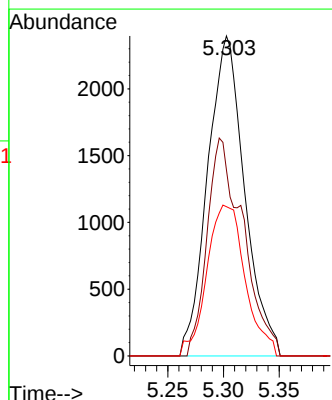
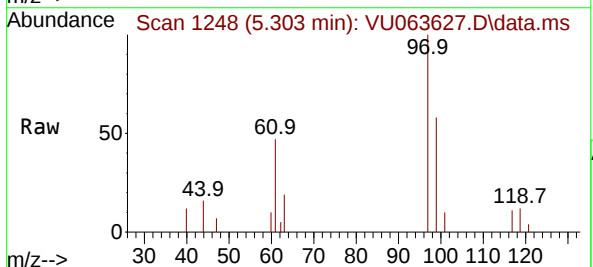
Tgt Ion: 97 Resp: 5530

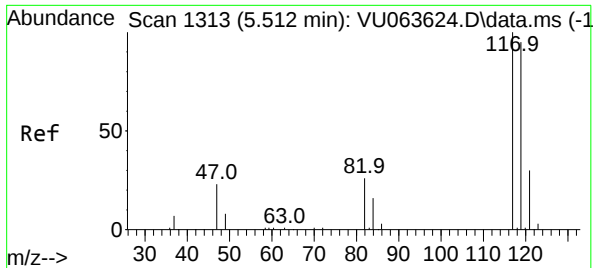
Ion Ratio Lower Upper

97 100

99 47.9 50.6 75.8#

61 48.1 38.0 57.0

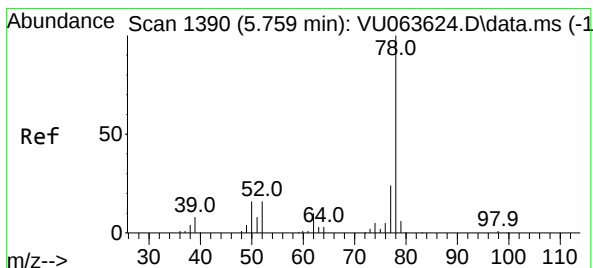
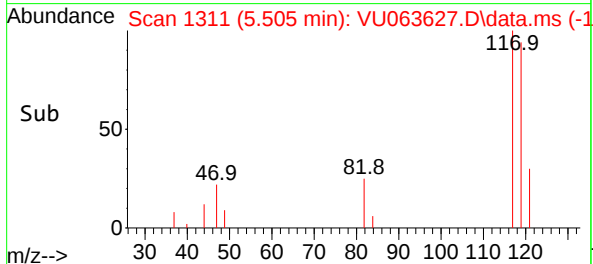
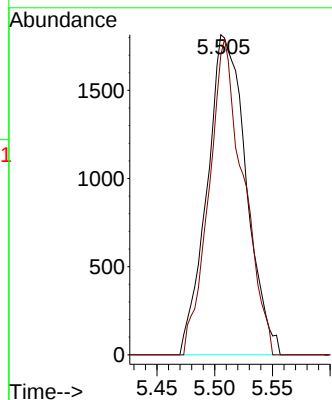
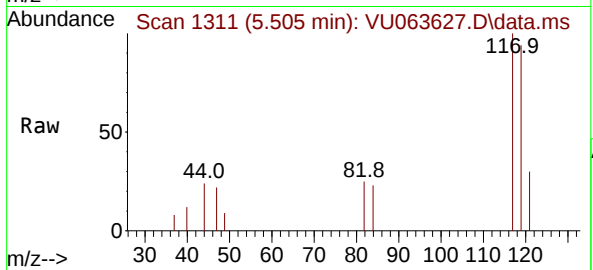




#31
Carbon tetrachloride
Concen: 2.203 ug/L
RT: 5.505 min Scan# 1117
Delta R.T. -0.007 min
Lab File: VU063627.D
Acq: 23 Sep 2025 11:20

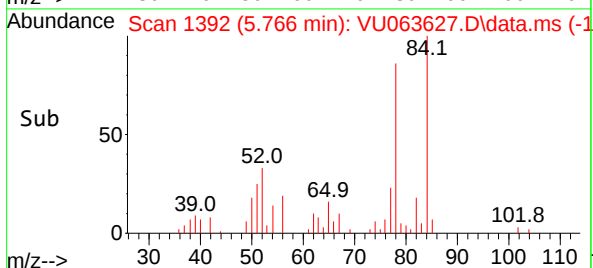
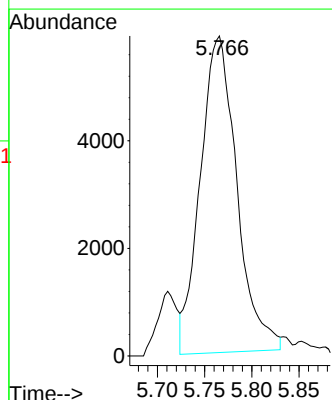
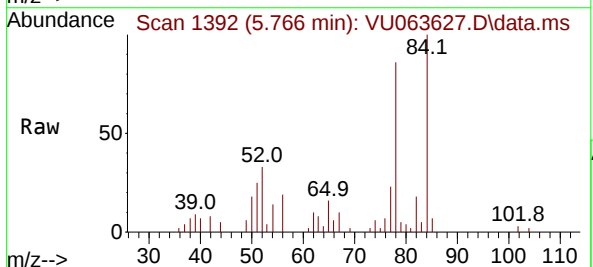
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2025-06

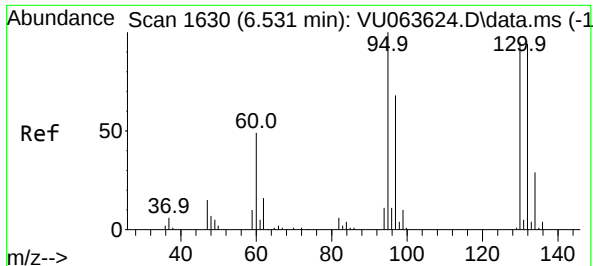
Tgt Ion:117 Resp: 4273
Ion Ratio Lower Upper
117 100
119 87.0 77.8 116.6



#33
Benzene
Concen: 2.449 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.006 min
Lab File: VU063627.D
Acq: 23 Sep 2025 11:20

Tgt Ion: 78 Resp: 15830





#34

Trichloroethene

Concen: 2.655 ug/L

RT: 6.537 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU063627.D

Acq: 23 Sep 2025 11:20

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2025-06

Tgt Ion: 95 Resp: 4808

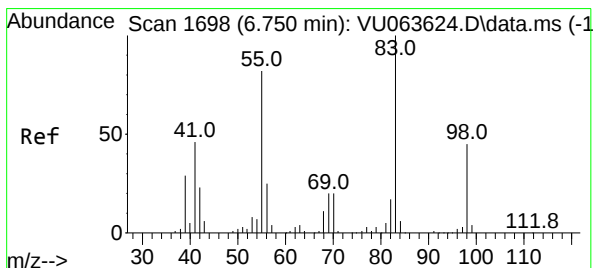
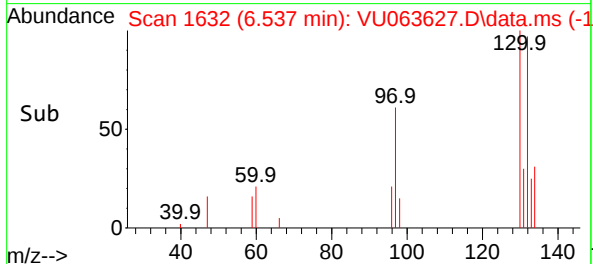
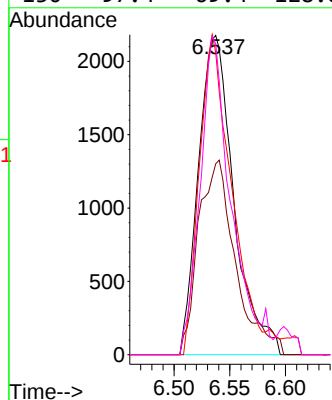
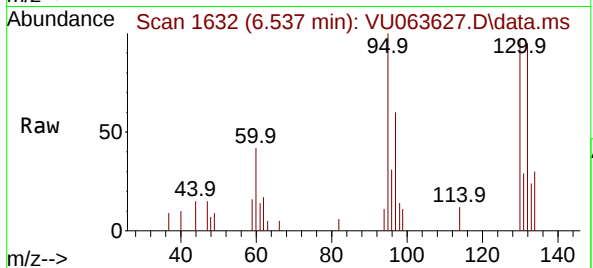
Ion Ratio Lower Upper

95 100

97 59.8 46.6 86.6

132 94.7 66.8 124.2

130 97.4 69.4 128.8



#35

Methylcyclohexane

Concen: 2.854 ug/L

RT: 6.750 min Scan# 1698

Delta R.T. -0.000 min

Lab File: VU063627.D

Acq: 23 Sep 2025 11:20

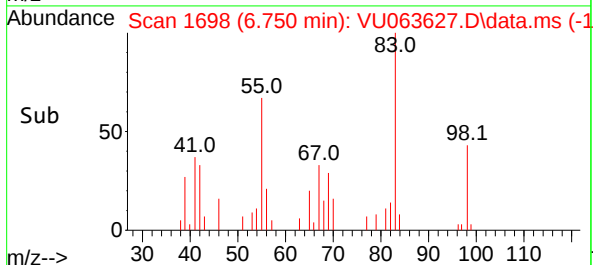
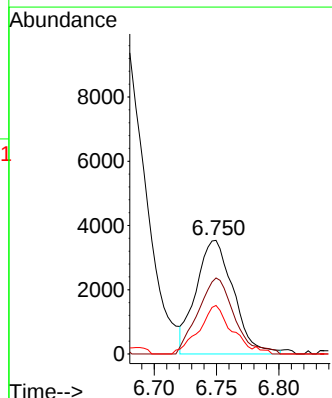
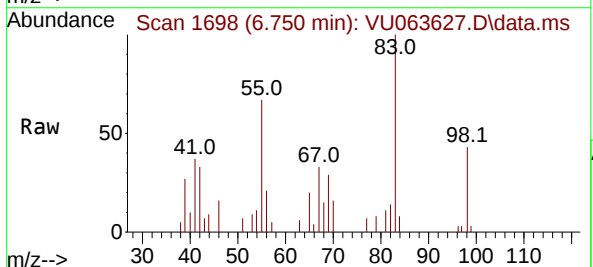
Tgt Ion: 83 Resp: 7377

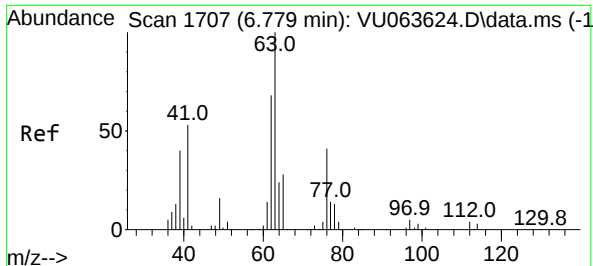
Ion Ratio Lower Upper

83 100

55 64.7 63.4 95.0

98 36.5 37.3 55.9#

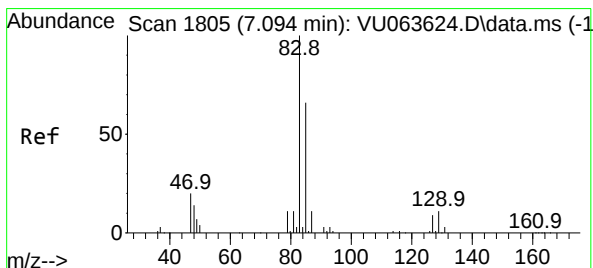
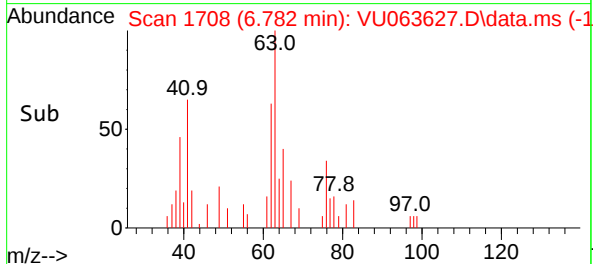
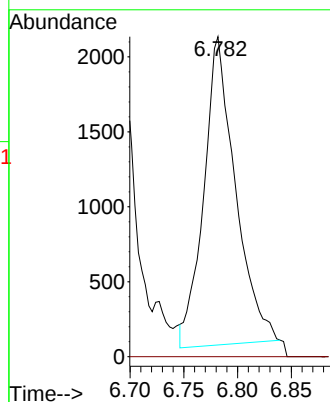
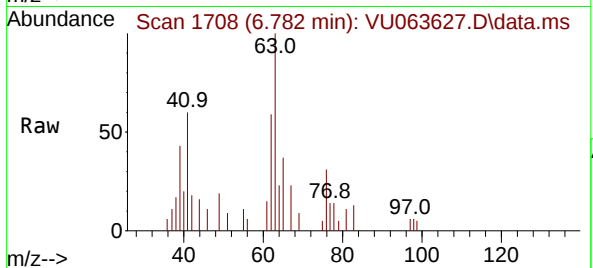




#37
1,2-Dichloropropane
Concen: 2.348 ug/L
RT: 6.782 min Scan# 1707
Delta R.T. 0.003 min
Lab File: VU063627.D
Acq: 23 Sep 2025 11:20

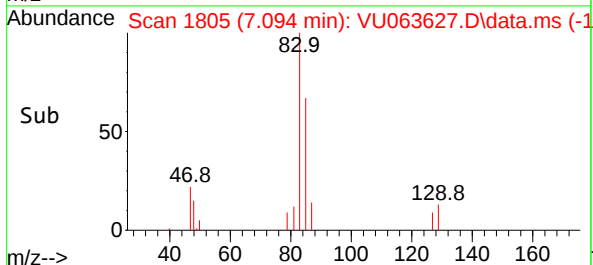
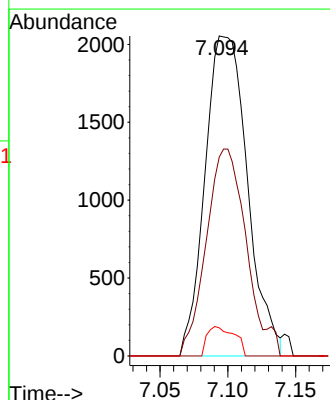
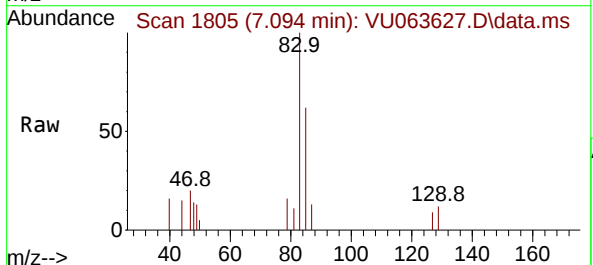
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-06

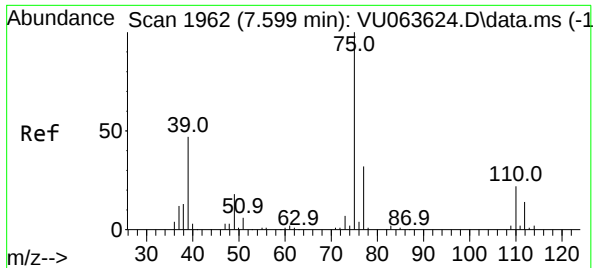
Tgt Ion: 63 Resp: 4204
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#



#38
Bromodichloromethane
Concen: 2.103 ug/L
RT: 7.094 min Scan# 1805
Delta R.T. -0.000 min
Lab File: VU063627.D
Acq: 23 Sep 2025 11:20

Tgt Ion: 83 Resp: 4465
Ion Ratio Lower Upper
83 100
85 62.1 45.9 85.3
127 8.8 6.7 10.1

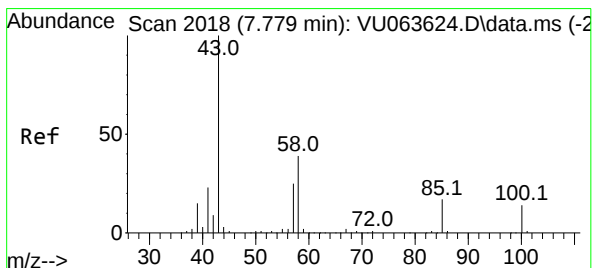
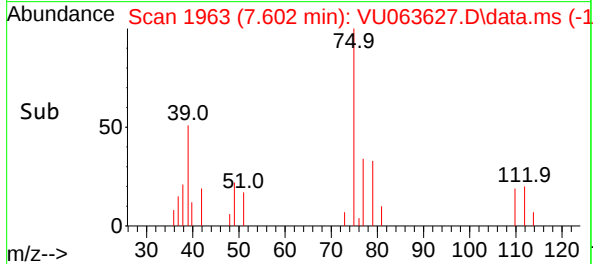
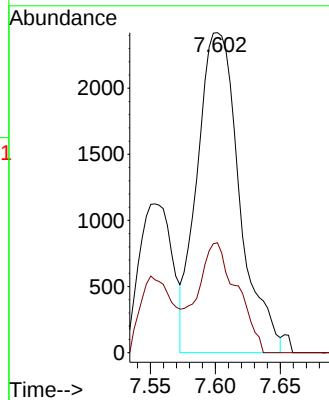
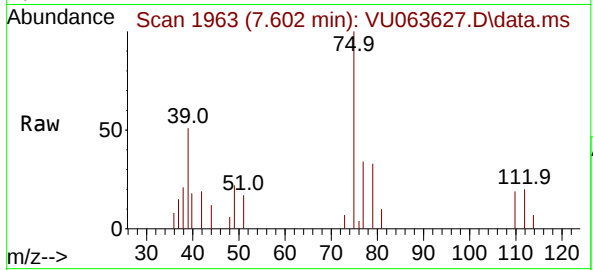




#39
 cis-1,3-Dichloropropene
 Concen: 2.357 ug/L
 RT: 7.602 min Scan# 1962
 Delta R.T. 0.003 min
 Lab File: VU063627.D
 Acq: 23 Sep 2025 11:20

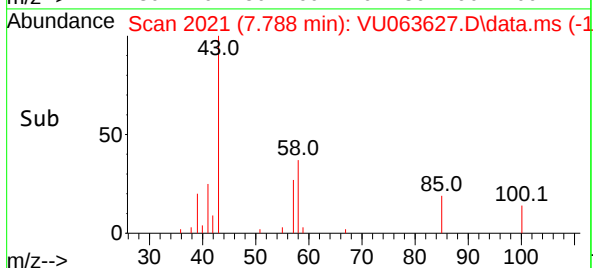
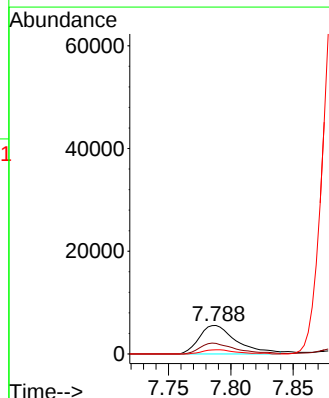
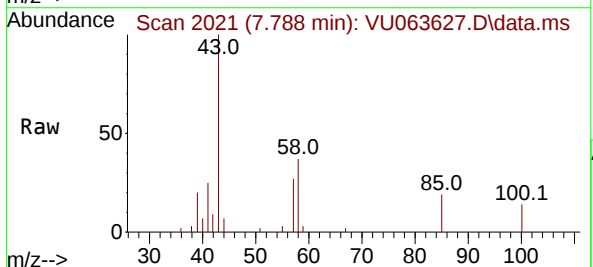
Instrument : MSVOA_U
 ClientSampleId : MDL-WATER-QT3-2025-06

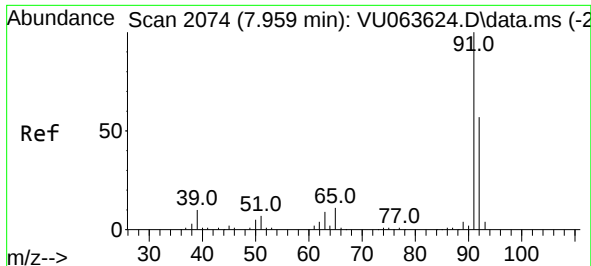
Tgt Ion: 75 Resp: 5486
 Ion Ratio Lower Upper
 75 100
 77 34.3 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 4.482 ug/L
 RT: 7.788 min Scan# 2021
 Delta R.T. 0.009 min
 Lab File: VU063627.D
 Acq: 23 Sep 2025 11:20

Tgt Ion: 43 Resp: 11562
 Ion Ratio Lower Upper
 43 100
 58 34.5 30.9 46.3
 100 12.3 11.4 17.2





#42

Toluene

Concen: 2.539 ug/L

RT: 7.965 min Scan# 2074

Delta R.T. 0.006 min

Lab File: VU063627.D

Acq: 23 Sep 2025 11:20

Instrument :

MSVOA_U

ClientSampleId :

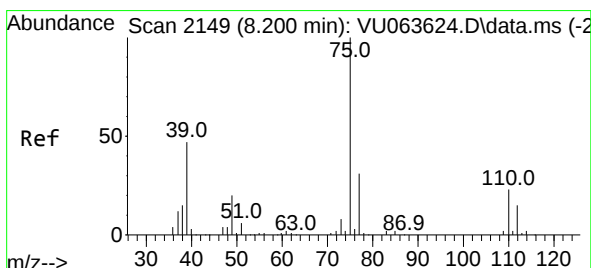
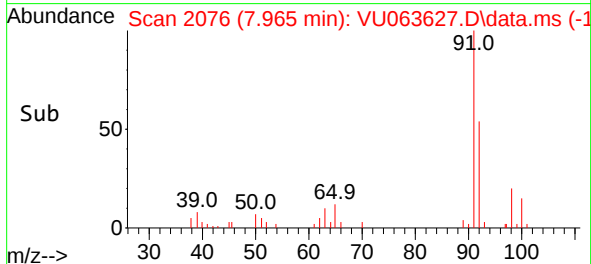
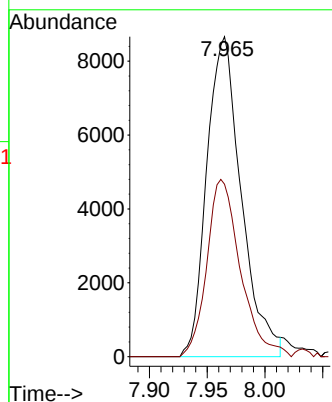
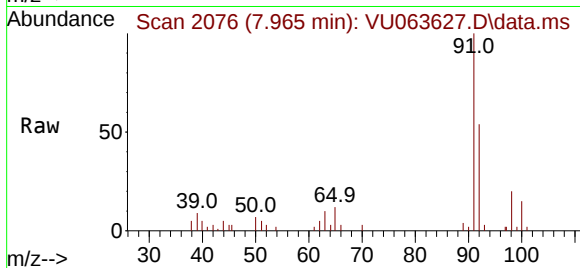
MDL-WATER-QT3-2025-06

Tgt Ion: 91 Resp: 17998

Ion Ratio Lower Upper

91 100

92 53.9 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 2.964 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.003 min

Lab File: VU063627.D

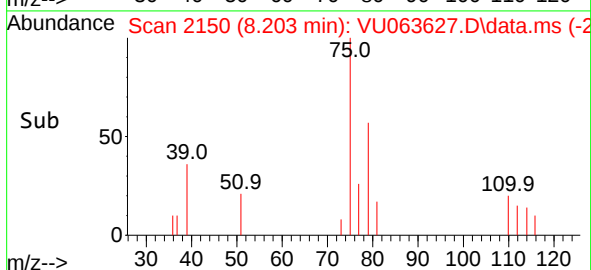
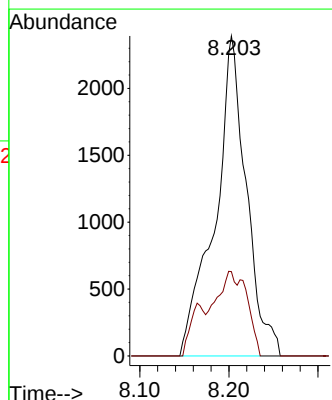
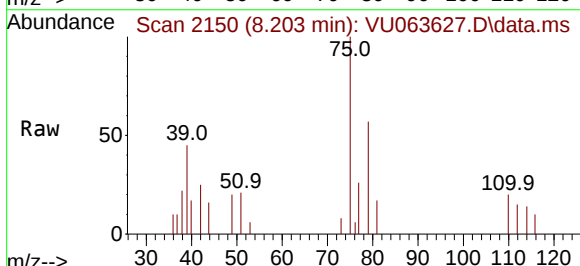
Acq: 23 Sep 2025 11:20

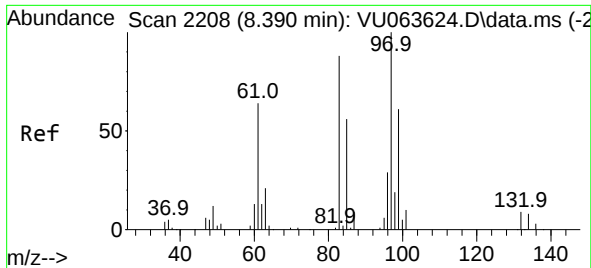
Tgt Ion: 75 Resp: 5859

Ion Ratio Lower Upper

75 100

77 26.3 22.3 41.5

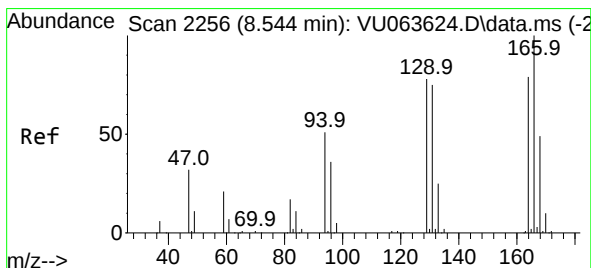
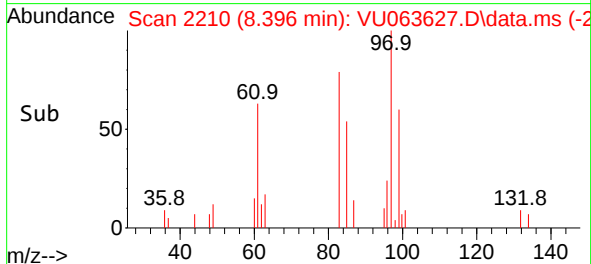
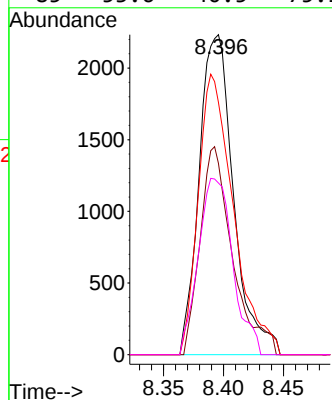
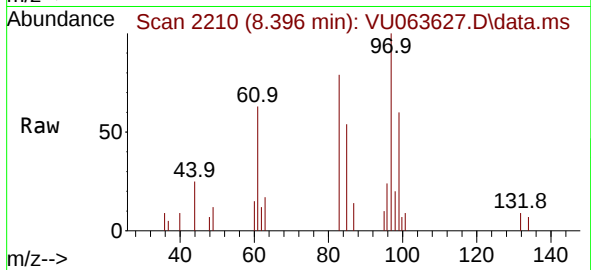




#45
1,1,2-Trichloroethane
Concen: 2.568 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. 0.006 min
Lab File: VU063627.D
Acq: 23 Sep 2025 11:20

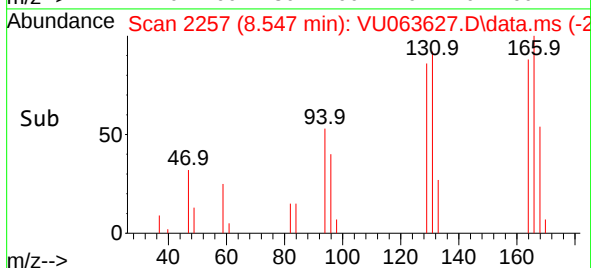
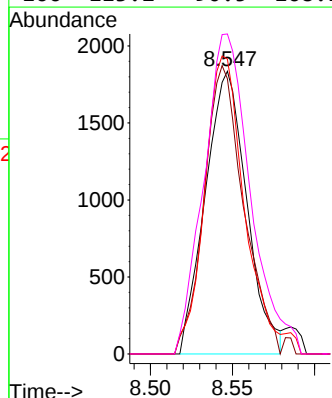
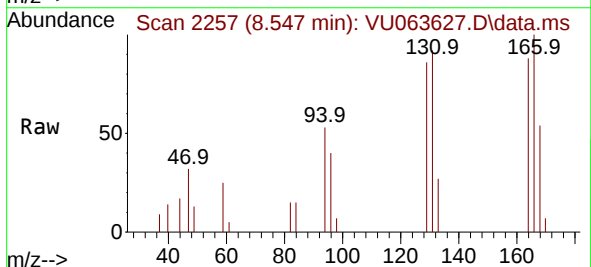
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-06

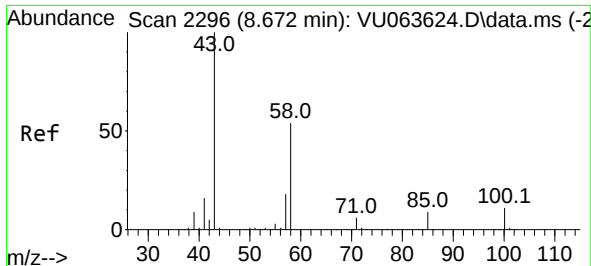
Tgt Ion:	97	Resp:	4463
Ion	Ratio	Lower	Upper
97	100		
99	59.8	45.8	85.0
83	78.9	64.4	119.6
85	53.6	40.5	75.1



#46
Tetrachloroethene
Concen: 2.440 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.003 min
Lab File: VU063627.D
Acq: 23 Sep 2025 11:20

Tgt Ion:	164	Resp:	3218
Ion	Ratio	Lower	Upper
164	100		
129	97.3	67.5	125.3
131	104.3	67.0	124.4
166	113.2	90.5	168.1

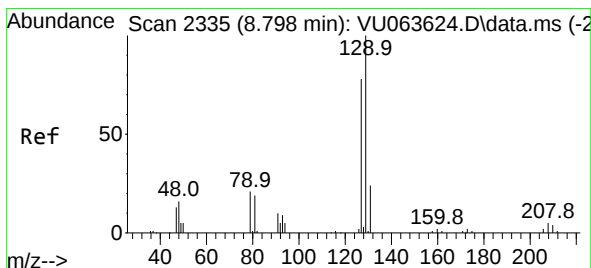
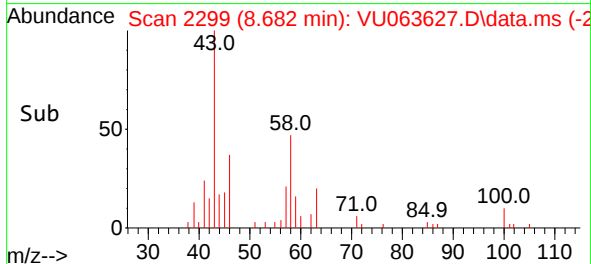
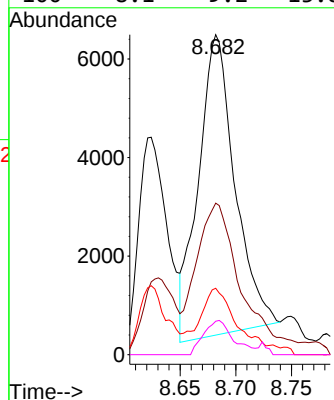
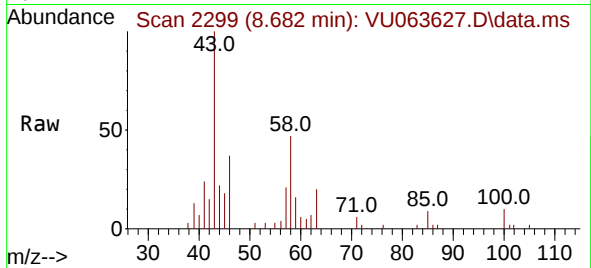




#48
2-Hexanone
Concen: 7.124 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.009 min
Lab File: VU063627.D
Acq: 23 Sep 2025 11:20

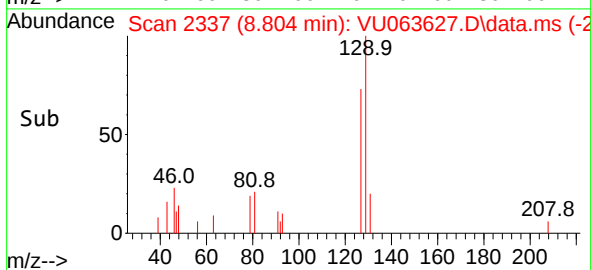
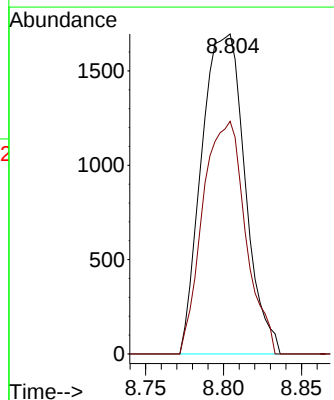
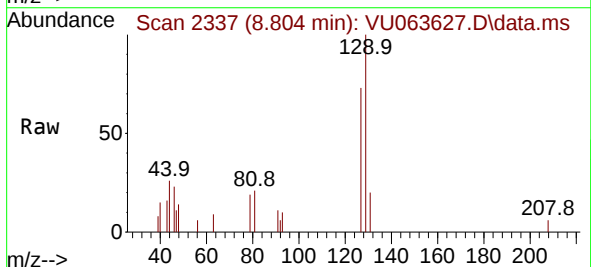
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-06

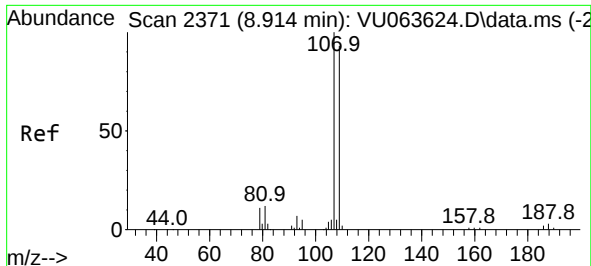
Tgt Ion: 43 Resp: 13903
Ion Ratio Lower Upper
43 100
58 55.6 41.7 62.5
57 12.6 14.7 22.1#
100 8.1 9.2 13.8#



#49
Dibromochloromethane
Concen: 2.108 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.006 min
Lab File: VU063627.D
Acq: 23 Sep 2025 11:20

Tgt Ion: 129 Resp: 3279
Ion Ratio Lower Upper
129 100
127 72.7 53.1 98.7





#50

1,2-Dibromoethane

Concen: 2.262 ug/L

RT: 8.917 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063627.D

Acq: 23 Sep 2025 11:20

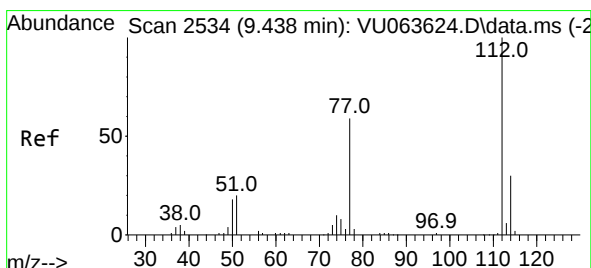
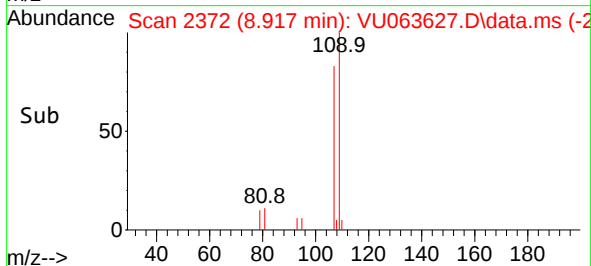
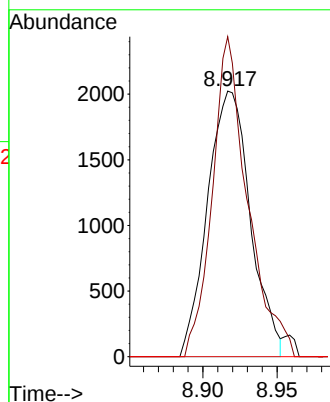
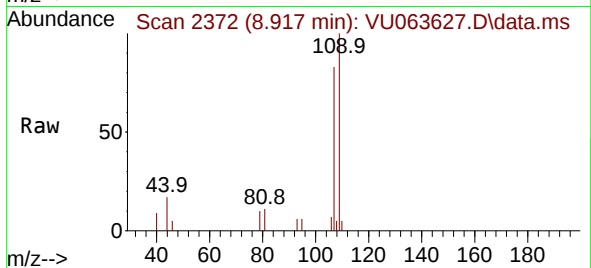
Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2025-06

Tgt Ion:	107	Resp:	4072
Ion	Ratio	Lower	Upper
107	100		
109	120.5	65.0	120.6
188	0.0	2.6	4.0#



#51

Chlorobenzene

Concen: 2.450 ug/L

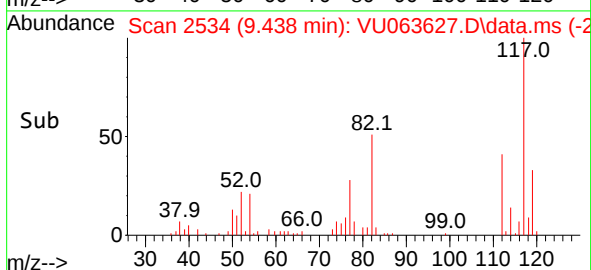
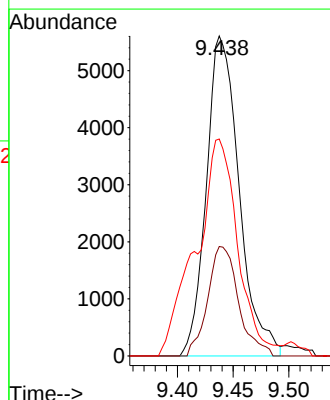
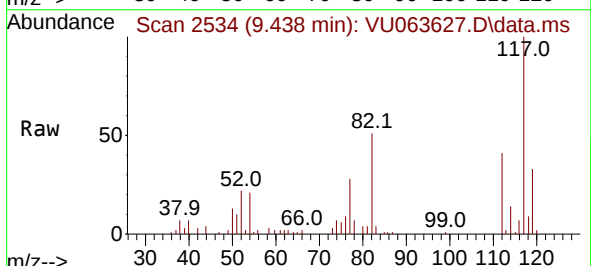
RT: 9.438 min Scan# 2534

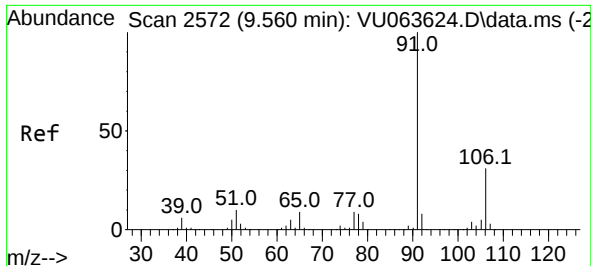
Delta R.T. -0.000 min

Lab File: VU063627.D

Acq: 23 Sep 2025 11:20

Tgt Ion:	112	Resp:	11490
Ion	Ratio	Lower	Upper
112	100		
114	34.2	22.4	41.6
77	67.8	48.2	72.2

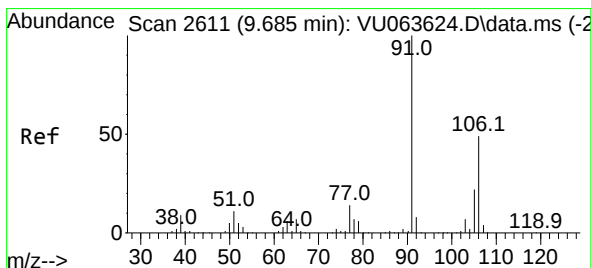
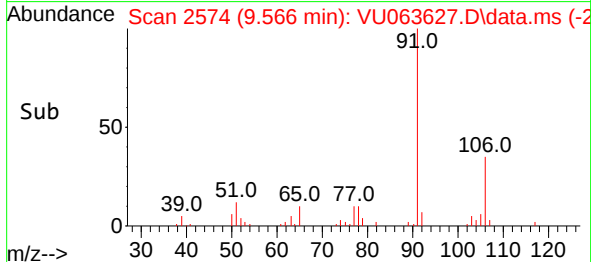
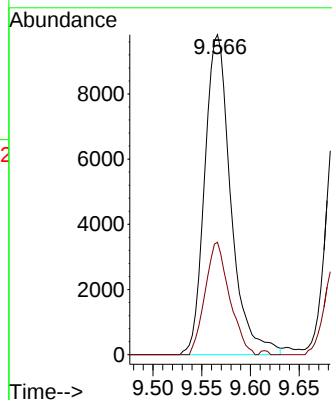
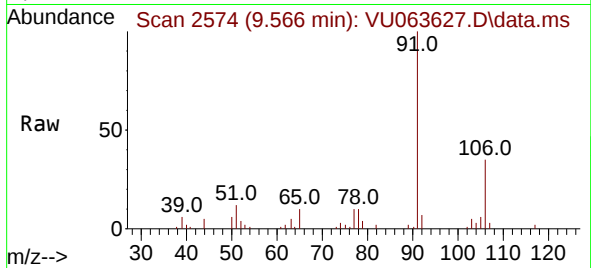




#52
Ethylbenzene
Concen: 2.338 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU063627.D
Acq: 23 Sep 2025 11:20

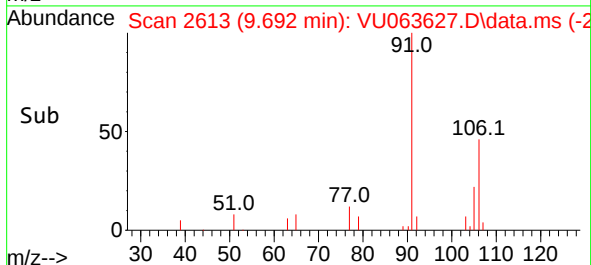
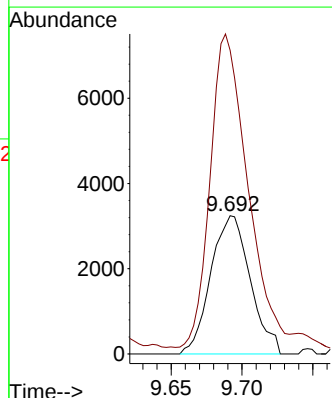
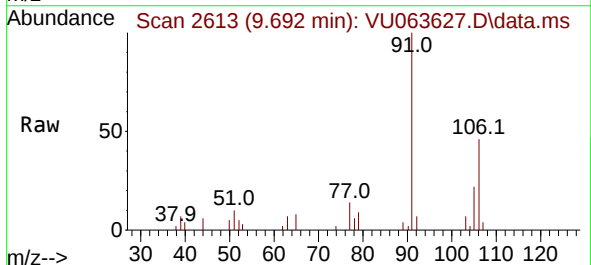
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-06

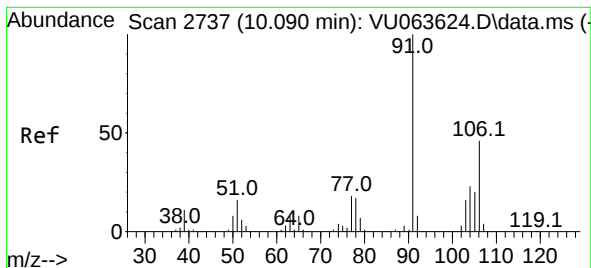
Tgt Ion: 91 Resp: 18328
Ion Ratio Lower Upper
91 100
106 35.2 21.5 39.9



#53
m,p-Xylene
Concen: 2.147 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.006 min
Lab File: VU063627.D
Acq: 23 Sep 2025 11:20

Tgt Ion: 106 Resp: 6277
Ion Ratio Lower Upper
106 100
91 219.7 144.1 267.7





#54

o-Xylene

Concen: 2.200 ug/L

RT: 10.093 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063627.D

Acq: 23 Sep 2025 11:20

Instrument :

MSVOA_U

ClientSampleId :

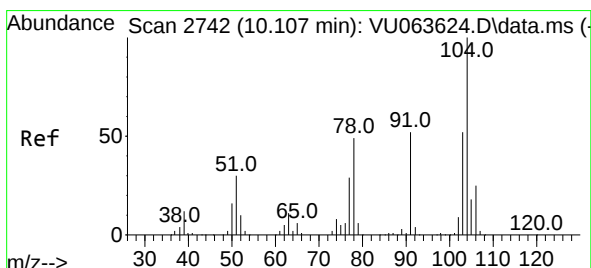
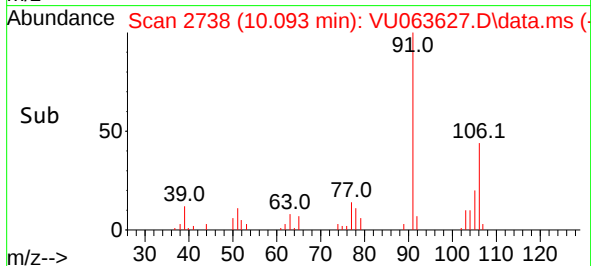
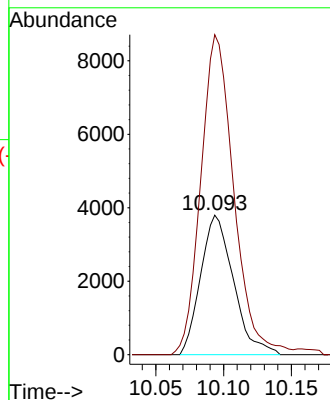
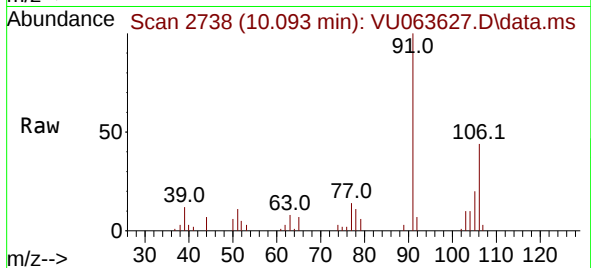
MDL-WATER-QT3-2025-06

Tgt Ion:106 Resp: 6410

Ion Ratio Lower Upper

106 100

91 213.8 158.5 294.3



#55

Styrene

Concen: 2.143 ug/L

RT: 10.116 min Scan# 2745

Delta R.T. 0.009 min

Lab File: VU063627.D

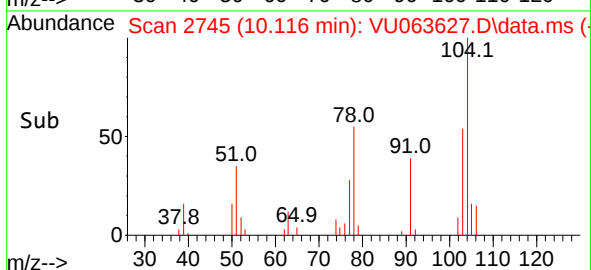
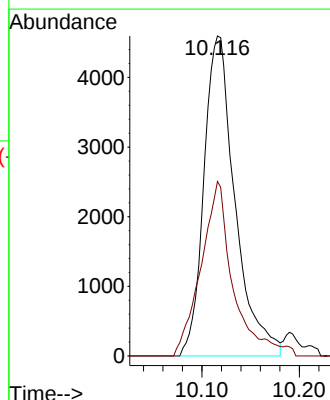
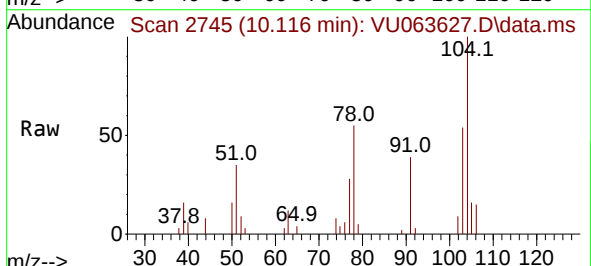
Acq: 23 Sep 2025 11:20

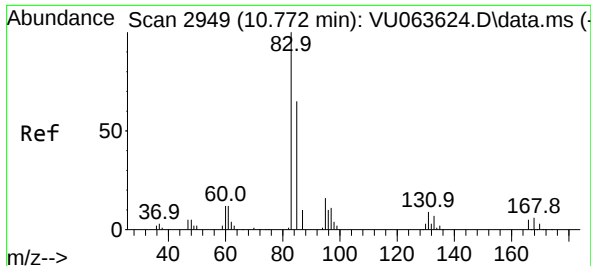
Tgt Ion:104 Resp: 10204

Ion Ratio Lower Upper

104 100

78 54.6 34.5 64.1





#57

1,1,2,2-Tetrachloroethane

Concen: 2.649 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. -0.000 min

Lab File: VU063627.D

Acq: 23 Sep 2025 11:20

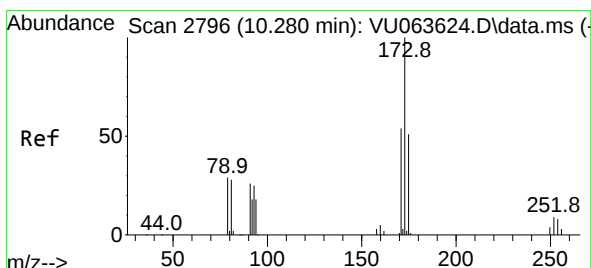
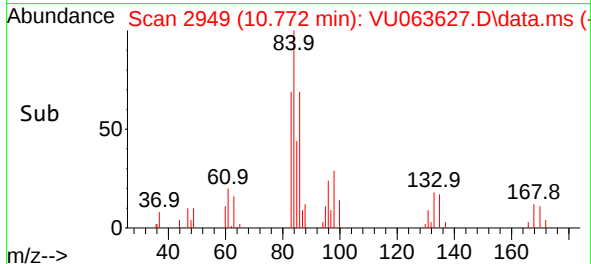
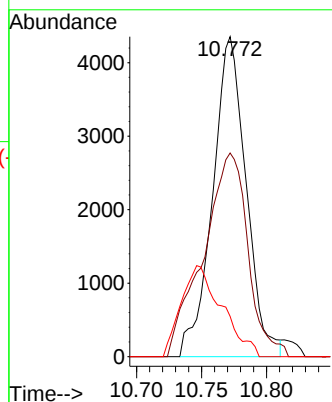
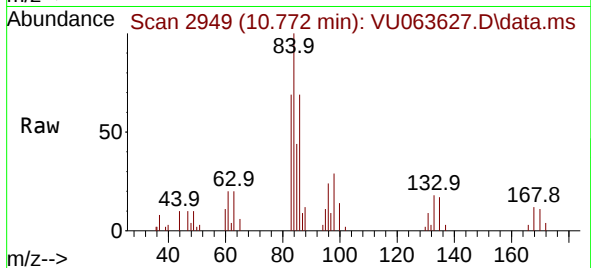
Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2025-06

Tgt Ion:	83	Resp:	7781
Ion	Ratio	Lower	Upper
83	100		
85	63.6	46.0	85.4
131	12.6	7.4	11.2#



#59

Bromoform

Concen: 1.988 ug/L

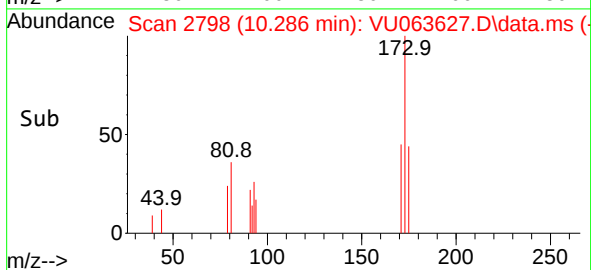
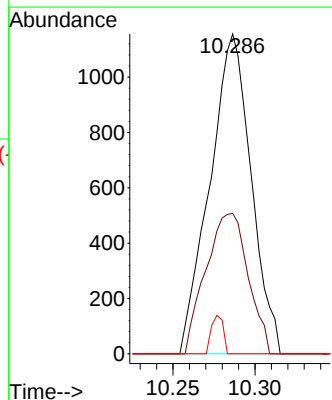
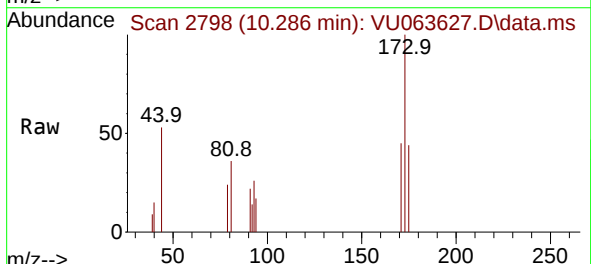
RT: 10.286 min Scan# 2798

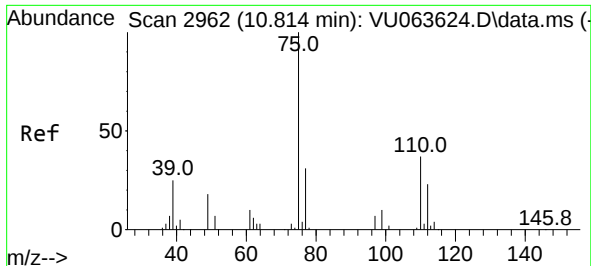
Delta R.T. 0.006 min

Lab File: VU063627.D

Acq: 23 Sep 2025 11:20

Tgt Ion:	173	Resp:	2019
Ion	Ratio	Lower	Upper
173	100		
175	45.1	39.3	58.9
254	3.5	6.2	9.4#

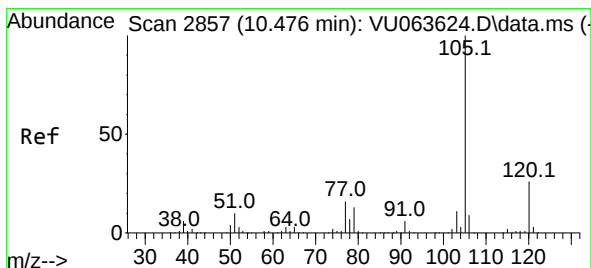
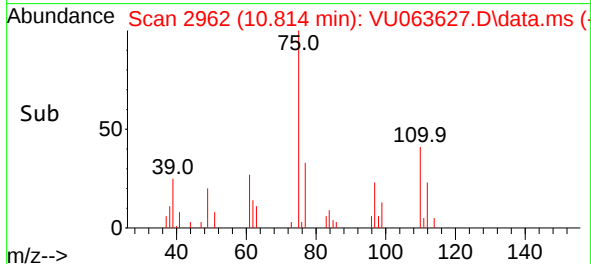
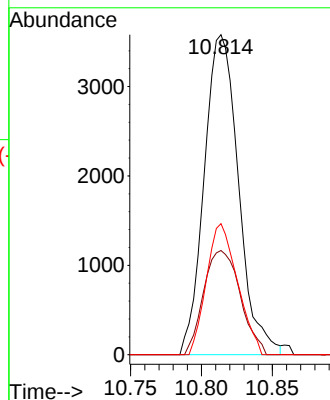
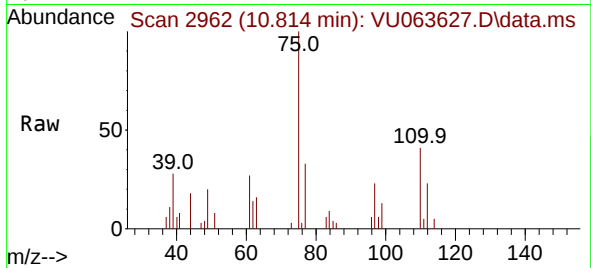




#60
1,2,3-Trichloropropane
Concen: 2.743 ug/L
RT: 10.814 min Scan# 2962
Delta R.T. -0.000 min
Lab File: VU063627.D
Acq: 23 Sep 2025 11:20

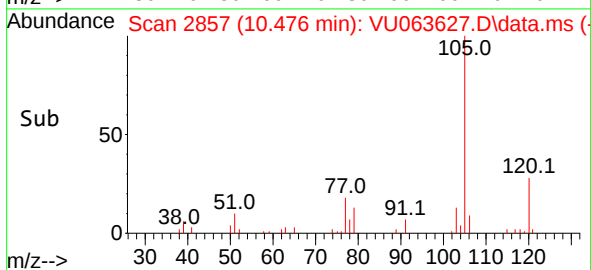
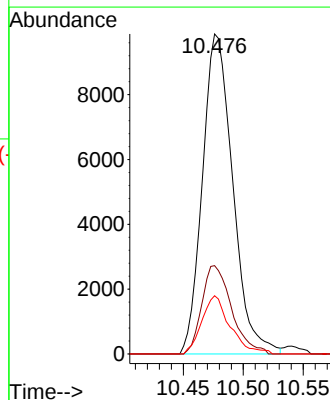
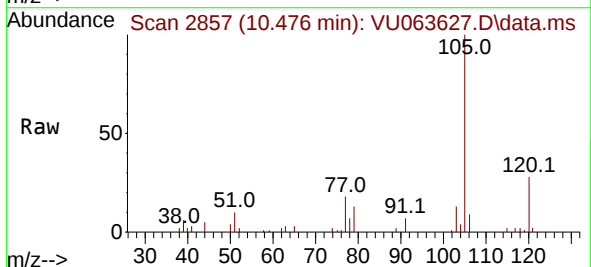
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2025-06

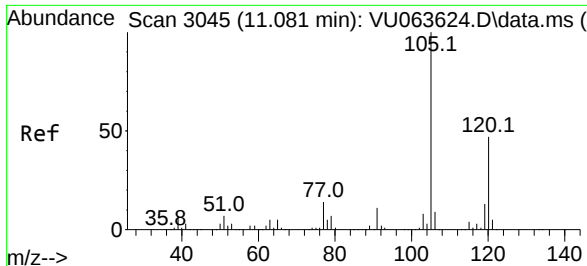
Tgt Ion: 75	Resp: 6031
Ion Ratio	Lower Upper
75 100	
77 34.8	25.7 38.5
110 36.9	29.2 43.8



#61
Isopropylbenzene
Concen: 2.444 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. -0.000 min
Lab File: VU063627.D
Acq: 23 Sep 2025 11:20

Tgt Ion: 105	Resp: 17380
Ion Ratio	Lower Upper
105 100	
120 27.0	21.2 31.8
77 16.9	13.4 20.0





#62

1,3,5-Trimethylbenzene

Concen: 2.303 ug/L

RT: 11.084 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU063627.D

Acq: 23 Sep 2025 11:20

Instrument :

MSVOA_U

ClientSampleId :

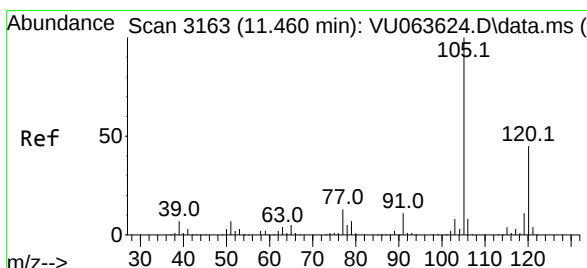
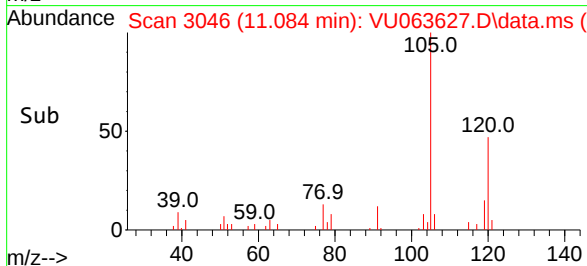
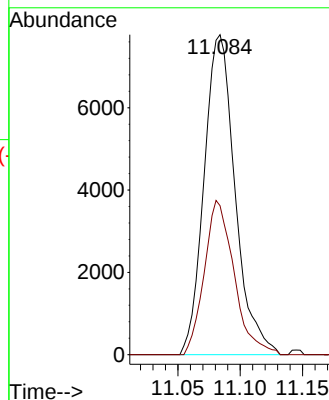
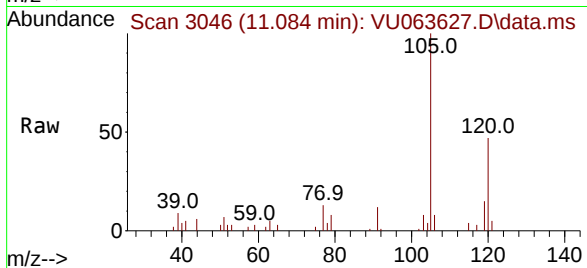
MDL-WATER-QT3-2025-06

Tgt Ion:105 Resp: 13471

Ion Ratio Lower Upper

105 100

120 46.3 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 2.225 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VU063627.D

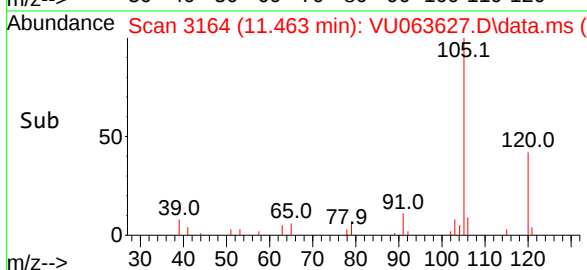
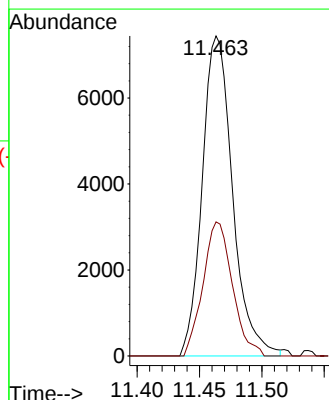
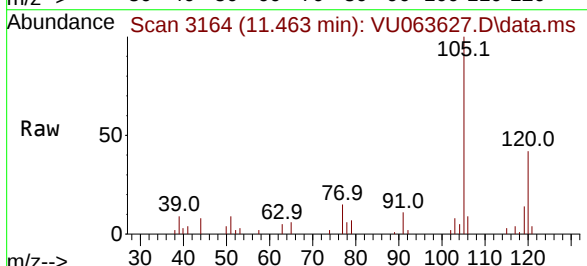
Acq: 23 Sep 2025 11:20

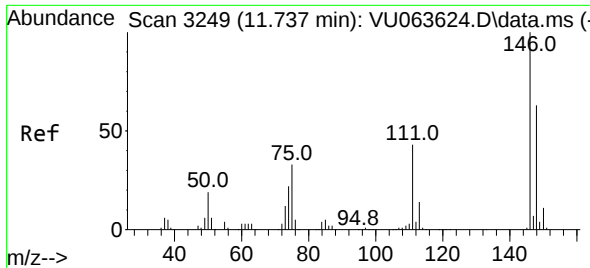
Tgt Ion:105 Resp: 12619

Ion Ratio Lower Upper

105 100

120 40.5 35.6 53.4

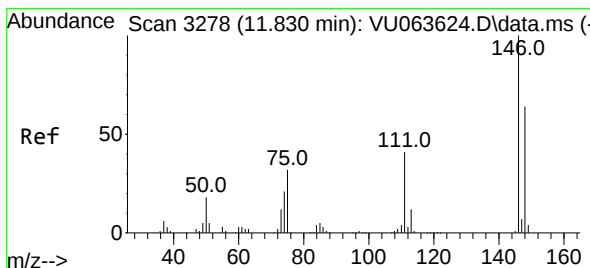
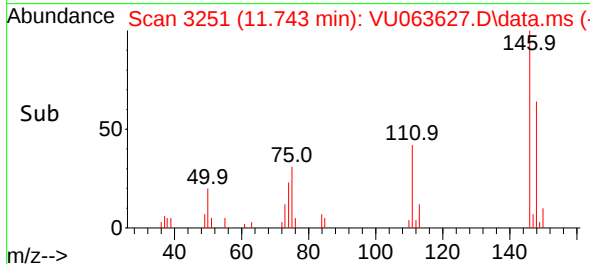
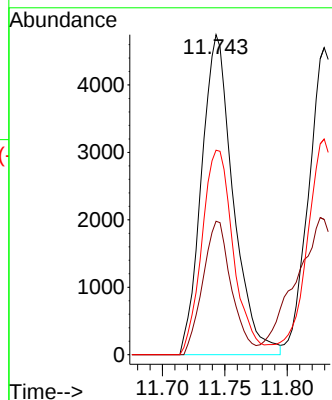
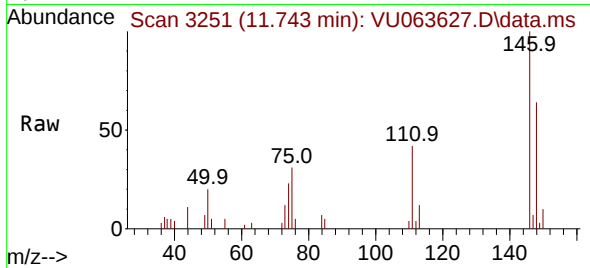




#64
1,3-Dichlorobenzene
Concen: 2.587 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU063627.D
Acq: 23 Sep 2025 11:20

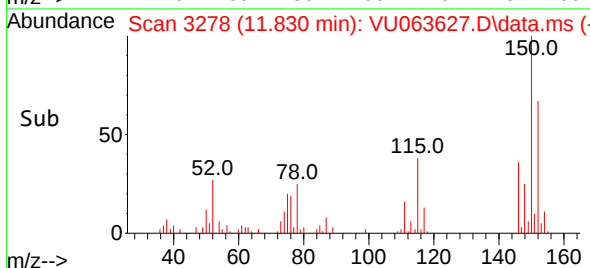
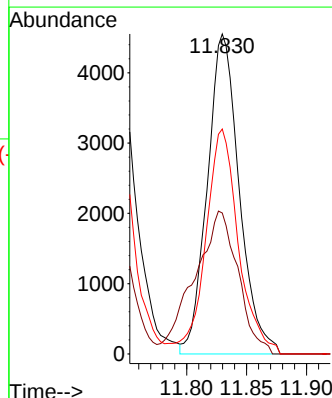
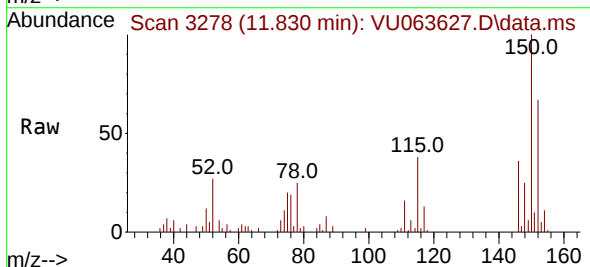
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-06

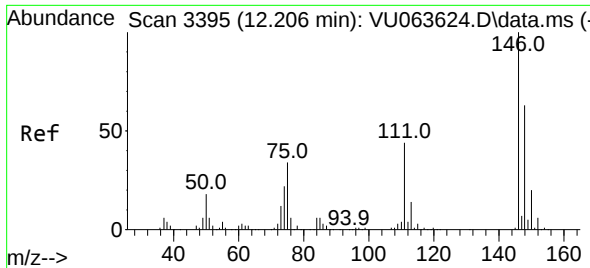
Tgt Ion:146 Resp: 8384
Ion Ratio Lower Upper
146 100
111 41.7 28.6 53.0
148 63.9 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 2.566 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VU063627.D
Acq: 23 Sep 2025 11:20

Tgt Ion:146 Resp: 8416
Ion Ratio Lower Upper
146 100
111 44.0 27.9 51.9
148 70.3 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 2.546 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU063627.D

Acq: 23 Sep 2025 11:20

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2025-06

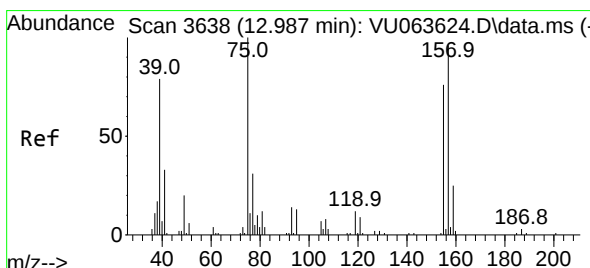
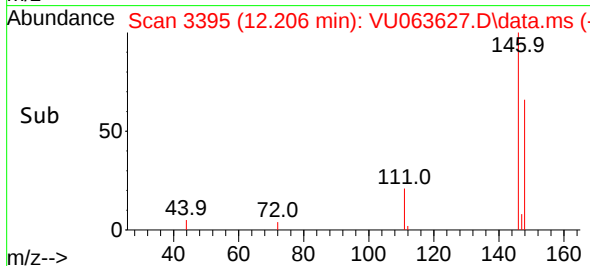
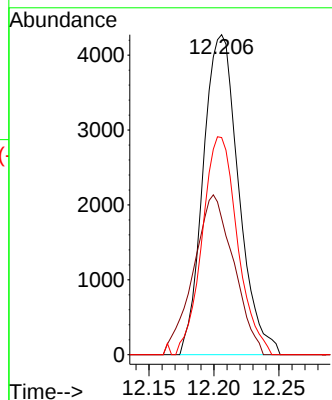
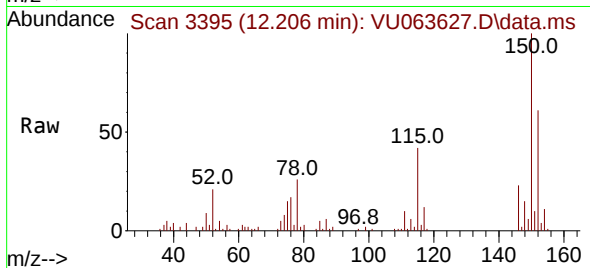
Tgt Ion:146 Resp: 8116

Ion Ratio Lower Upper

146 100

111 42.6 33.6 50.4

148 67.8 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 2.140 ug/L

RT: 13.219 min Scan# 3710

Delta R.T. 0.231 min

Lab File: VU063627.D

Acq: 23 Sep 2025 11:20

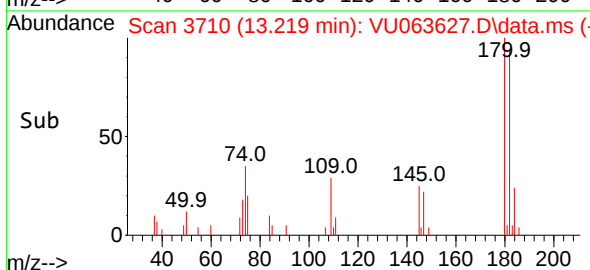
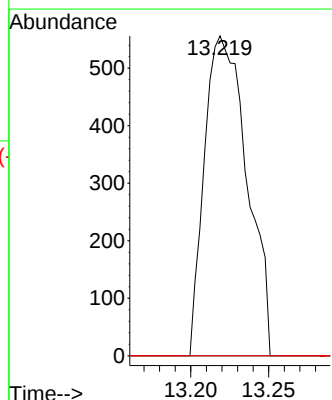
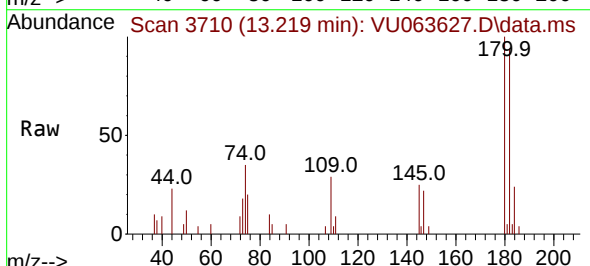
Tgt Ion: 75 Resp: 1055

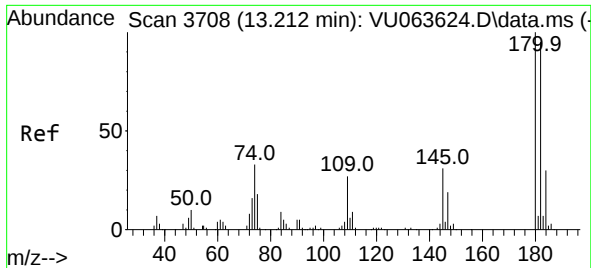
Ion Ratio Lower Upper

75 100

155 0.0 66.6 99.8#

157 0.0 87.6 131.4#

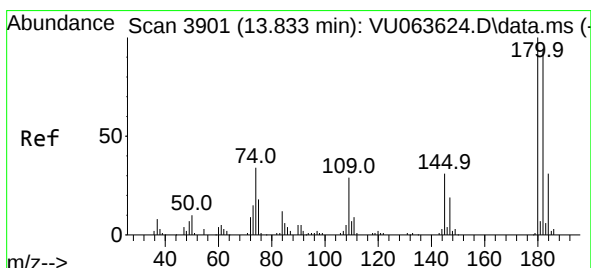
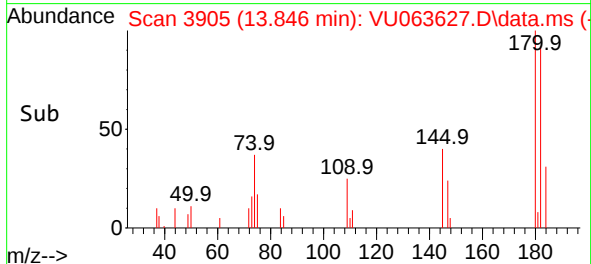
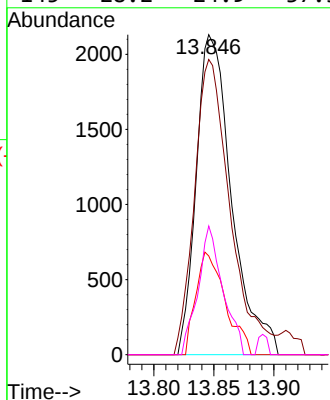
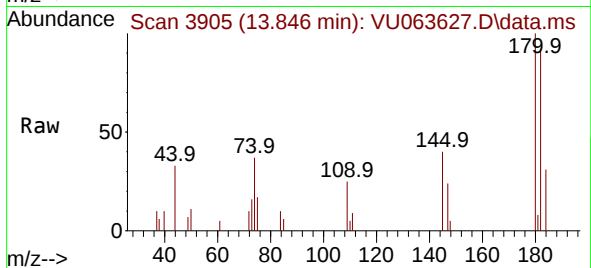




#69
1,3,5-Trichlorobenzene
Concen: 1.926 ug/L
RT: 13.846 min Scan# 3905
Delta R.T. 0.633 min
Lab File: VU063627.D
Acq: 23 Sep 2025 11:20

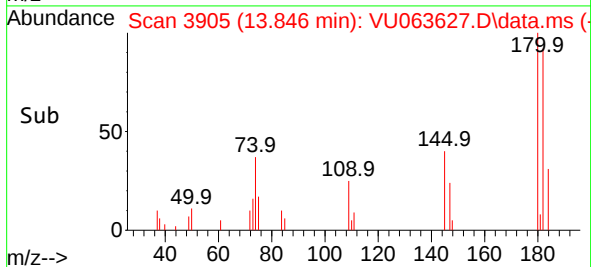
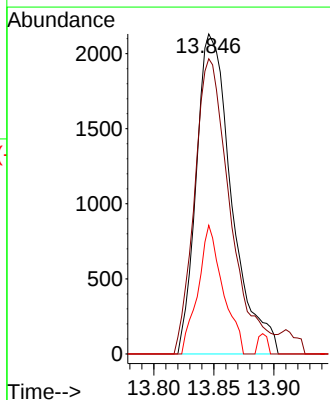
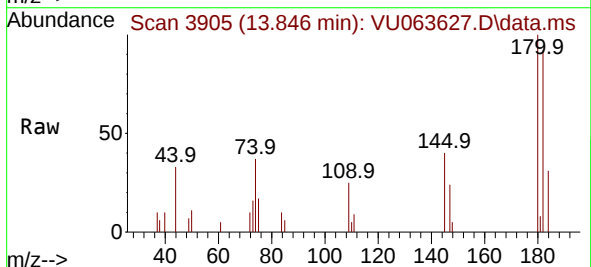
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-06

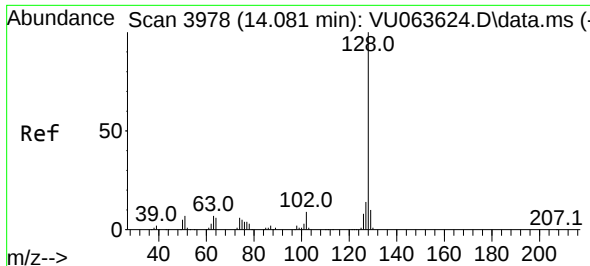
Tgt Ion:180	Resp:	4365
Ion	Ratio	Lower Upper
180	100	
182	92.9	75.9 113.9
184	24.7	24.4 36.6
145	28.2	24.9 37.3



#70
1,2,4-trichlorobenzene
Concen: 2.333 ug/L
RT: 13.846 min Scan# 3905
Delta R.T. 0.013 min
Lab File: VU063627.D
Acq: 23 Sep 2025 11:20

Tgt Ion:180	Resp:	4365
Ion	Ratio	Lower Upper
180	100	
182	92.9	75.4 113.0
145	28.2	24.6 37.0

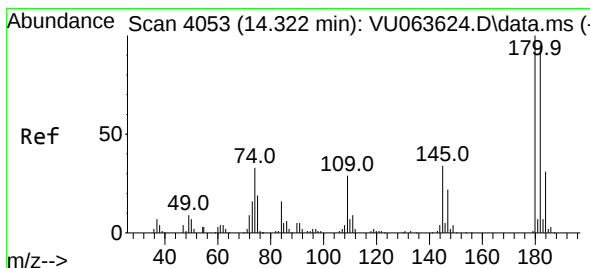
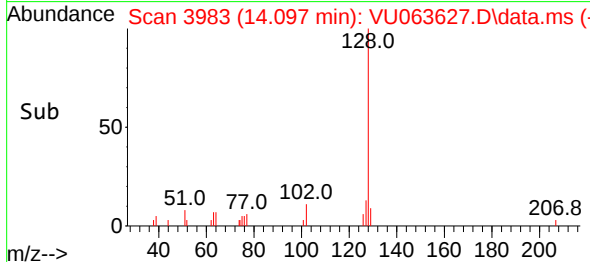
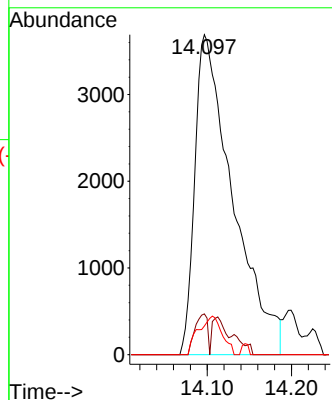
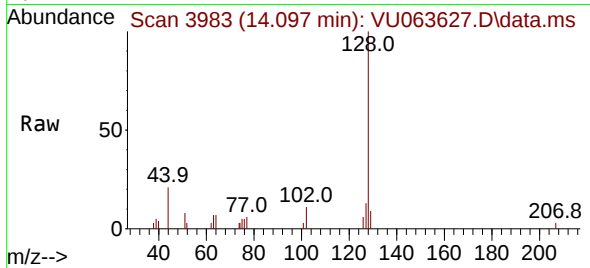




#71
Naphthalene
Concen: 2.273 ug/L
RT: 14.097 min Scan# 3978
Delta R.T. 0.016 min
Lab File: VU063627.D
Acq: 23 Sep 2025 11:20

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

Tgt Ion:128 Resp: 11555
Ion Ratio Lower Upper
128 100
127 4.1 10.2 15.4#
129 1.6 8.6 13.0#



#72
1,2,3-Trichlorobenzene
Concen: 2.109 ug/L
RT: 14.334 min Scan# 4057
Delta R.T. 0.013 min
Lab File: VU063627.D
Acq: 23 Sep 2025 11:20

Tgt Ion:180 Resp: 3781
Ion Ratio Lower Upper
180 100
182 104.7 77.4 116.2
145 18.6 25.9 38.9#

