

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112025\
 Data File : VU063751.D
 Acq On : 20 Nov 2025 10:20
 Operator : MD/SY
 Sample : Q3589-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT4-2025-08

Quant Time: Nov 21 04:15:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111925WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 21 04:14:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.222	114	171404	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	172012	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	104815	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	85096	4.653	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.000%
7) Chloroethane-d5	1.895	69	76221	4.842	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.800%
11) 1,1-Dichloroethene-d2	2.544	65	39472	4.695	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.000%
20) 2-Butanone-d5	4.596	46	154252	48.551	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.100%
24) Chloroform-d	5.033	84	186857	4.910	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.200%
26) 1,2-Dichloroethane-d4	5.673	65	97742	4.981	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.600%
32) Benzene-d6	5.698	84	374060	5.212	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.200%
36) 1,2-Dichloropropane-d6	6.663	67	108600	5.355	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.000%
41) Toluene-d8	7.872	98	343593	4.965	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.400%
43) trans-1,3-Dichloroprop...	8.155	79	31835	4.666	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.400%
46) 2-Hexanone-d5	8.611	63	115429	48.684	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.360%
56) 1,1,2,2-Tetrachloroeth...	10.730	84	76778	5.011	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.200%
66) 1,2-Dichlorobenzene-d4	12.168	152	116600	5.139	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.374	85	2905	0.230	ug/L	97
3) Chloromethane	1.506	50	2391	0.244	ug/L	97
5) Vinyl chloride	1.589	62	3437	0.276	ug/L #	49
6) Bromomethane	1.840	94	2372	0.300	ug/L	99
8) Chloroethane	1.917	64	2645	0.288	ug/L	95
9) Trichlorofluoromethane	2.120	101	6148	0.251	ug/L	90
10) 1,1,2-Trichloro-1,2,2-...	2.554	101	4681	0.319	ug/L #	82
12) 1,1-Dichloroethene	2.554	96	3658	0.323	ug/L #	1
14) Carbon disulfide	2.769	76	3511	0.226	ug/L #	94
16) Methylene chloride	3.017	84	6089	0.386	ug/L	90
17) Methyl tert-butyl Ether	3.338	73	8554	0.227	ug/L	98
18) trans-1,2-Dichloroethene	3.329	96	3027	0.249	ug/L	92
19) 1,1-Dichloroethane	3.843	63	6438	0.227	ug/L	94
22) cis-1,2-Dichloroethene	4.637	96	4055	0.241	ug/L	90
23) Bromochloromethane	4.946	128	1798	0.257	ug/L	88
25) Chloroform	5.059	83	9918	0.300	ug/L	98
27) 1,2-Dichloroethane	5.776	62	4866	0.251	ug/L #	93
30) Cyclohexane	5.354	56	4312	0.237	ug/L	90
31) Carbon tetrachloride	5.493	117	4347	0.233	ug/L	95

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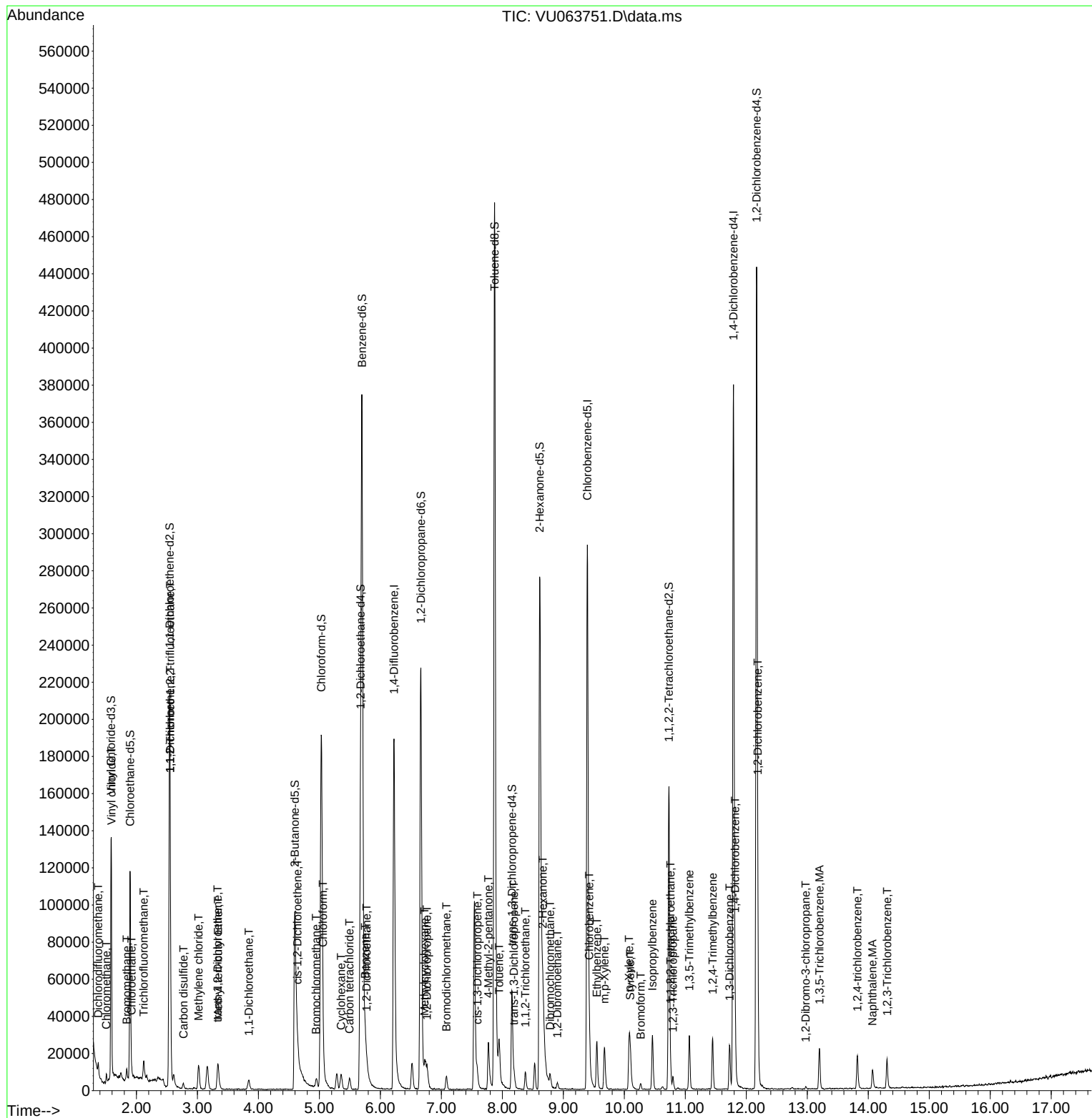
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzene	5.750	78	13678	0.238	ug/L	100
35) Methylcyclohexane	6.724	83	1372	0.071	ug/L #	1
37) 1,2-Dichloropropane	6.763	63	4309	0.267	ug/L #	85
38) Bromodichloromethane	7.081	83	5021	0.236	ug/L #	99
39) cis-1,3-Dichloropropene	7.589	75	5578	0.265	ug/L	99
40) 4-Methyl-2-pentanone	7.769	43	19770	2.276	ug/L #	87
42) Toluene	7.946	91	16572	0.257	ug/L	100
44) trans-1,3-Dichloropropene	8.190	75	4443	0.278	ug/L	89
45) 1,1,2-Trichloroethane	8.377	97	3196	0.253	ug/L	94
48) 2-Hexanone	8.663	43	28413	4.515	ug/L #	95
49) Dibromochloromethane	8.785	129	2700	0.210	ug/L	78
50) 1,2-Dibromoethane	8.901	107	2587	0.237	ug/L #	90
51) Chlorobenzene	9.425	112	12305	0.260	ug/L	96
52) Ethylbenzene	9.547	91	19838	0.248	ug/L	99
53) m,p-Xylene	9.676	106	7390	0.245	ug/L	98
54) o-Xylene	10.078	106	6773	0.227	ug/L	90
55) Styrene	10.097	104	11422	0.233	ug/L	90
57) 1,1,2,2-Tetrachloroethane	10.756	83	4021	0.266	ug/L #	90
59) Bromoform	10.267	173	1431	0.226	ug/L #	95
60) Isopropylbenzene	10.460	105	20327	0.258	ug/L	97
61) 1,2,3-Trichloropropane	10.798	75	2794	0.283	ug/L	92
62) 1,3,5-Trimethylbenzene	11.065	105	17078	0.260	ug/L	95
63) 1,2,4-Trimethylbenzene	11.447	105	15779	0.247	ug/L	93
64) 1,3-Dichlorobenzene	11.724	146	10635	0.285	ug/L	92
65) 1,4-Dichlorobenzene	11.814	146	11251	0.298	ug/L	96
67) 1,2-Dichlorobenzene	12.187	146	9697	0.288	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.971	75	419	0.231	ug/L #	76
69) 1,3,5-Trichlorobenzene	13.200	180	7542	0.276	ug/L	99
70) 1,2,4-trichlorobenzene	13.820	180	6411	0.296	ug/L	98
71) Naphthalene	14.068	128	10061	0.326	ug/L	98
72) 1,2,3-Trichlorobenzene	14.309	180	5305	0.293	ug/L	98

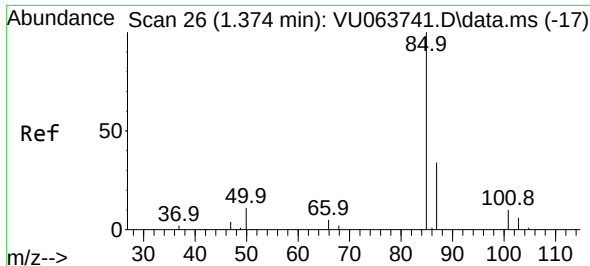
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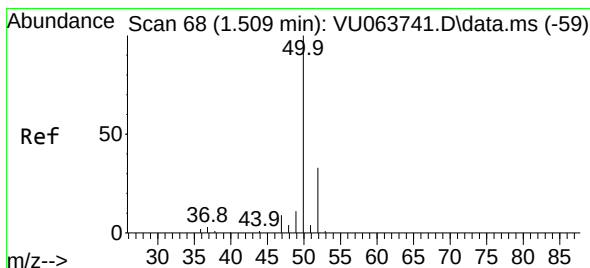
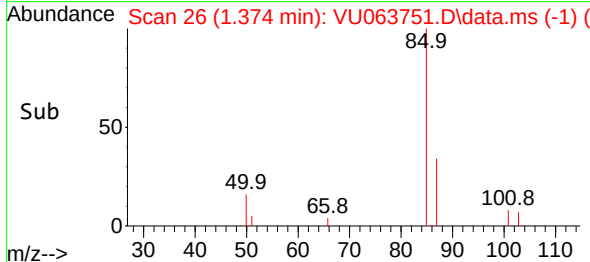
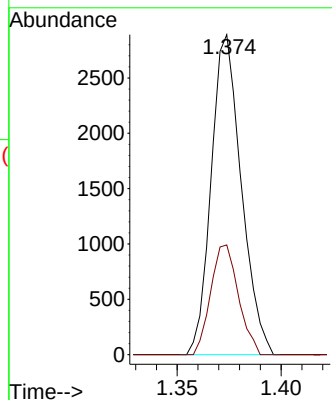
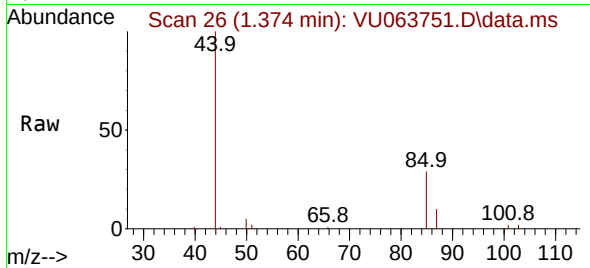




#2
 Dichlorodifluoromethane
 Concen: 0.230 ug/L
 RT: 1.374 min Scan# 2
 Delta R.T. 0.003 min
 Lab File: VU063751.D
 Acq: 20 Nov 2025 10:20

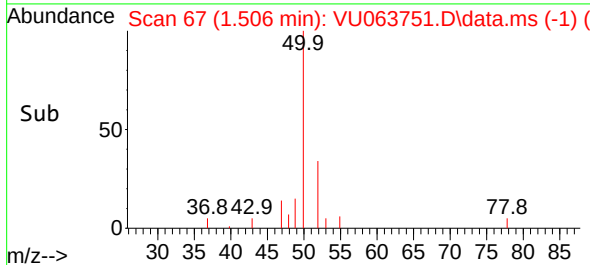
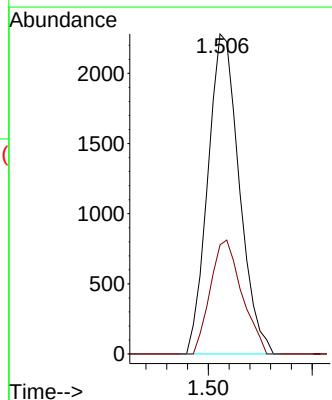
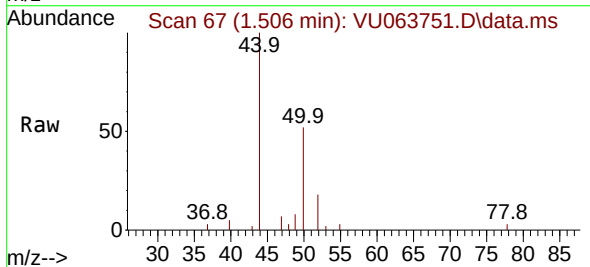
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 ClientSampleId :
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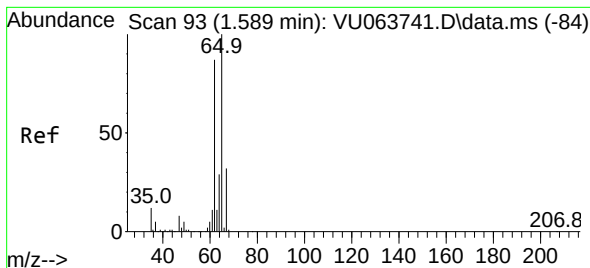
Tgt Ion: 85 Resp: 2905
 Ion Ratio Lower Upper
 85 100
 87 31.6 26.4 39.6



#3
 Chloromethane
 Concen: 0.244 ug/L
 RT: 1.506 min Scan# 67
 Delta R.T. 0.000 min
 Lab File: VU063751.D
 Acq: 20 Nov 2025 10:20

Tgt Ion: 50 Resp: 2391
 Ion Ratio Lower Upper
 50 100
 52 34.1 22.7 42.3





#5

Vinyl chloride

Concen: 0.276 ug/L

RT: 1.589 min Scan# 91

Delta R.T. 0.003 min

Lab File: VU063751.D

Acq: 20 Nov 2025 10:20

Instrument :

MSVOA_U

ClientSampleId :

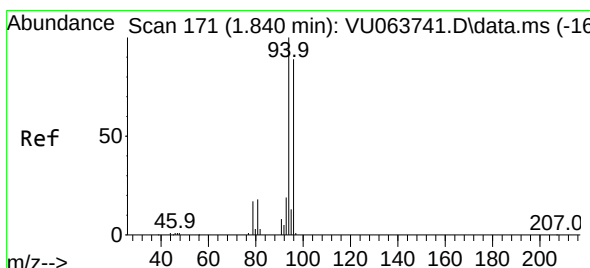
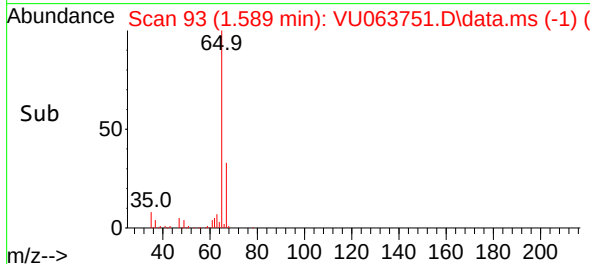
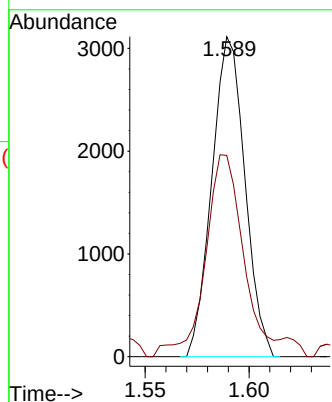
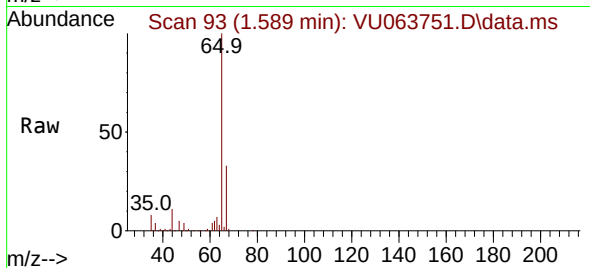
MDL-WATER-QT4-2025-08

Tgt Ion: 62 Resp: 3437

Ion Ratio Lower Upper

62 100

64 62.9 23.5 43.7#



#6

Bromomethane

Concen: 0.300 ug/L

RT: 1.840 min Scan# 171

Delta R.T. 0.003 min

Lab File: VU063751.D

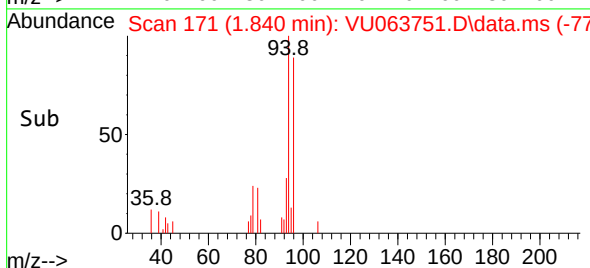
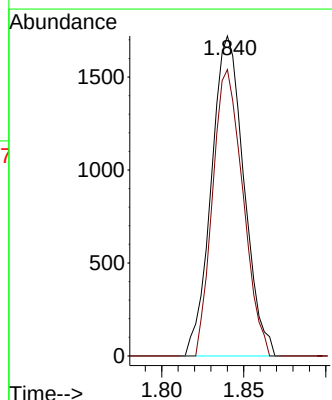
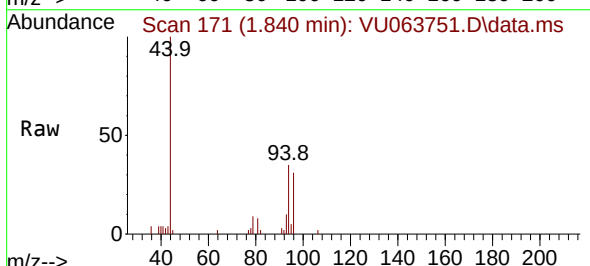
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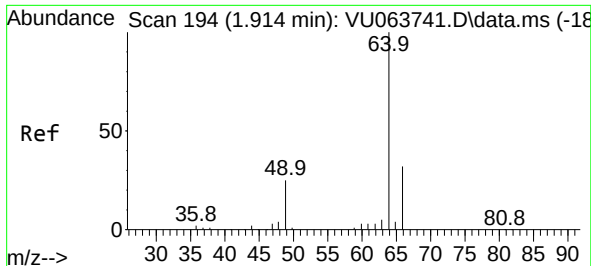
Tgt Ion: 94 Resp: 2372

Ion Ratio Lower Upper

94 100

96 89.5 62.1 115.3

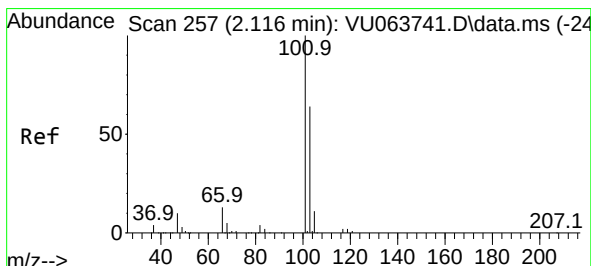
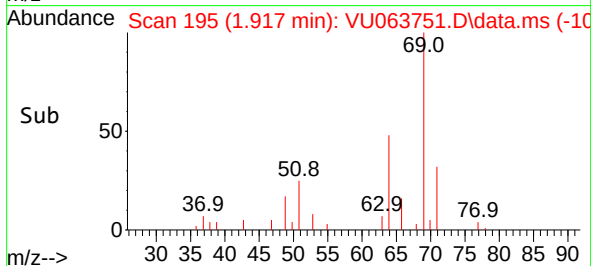
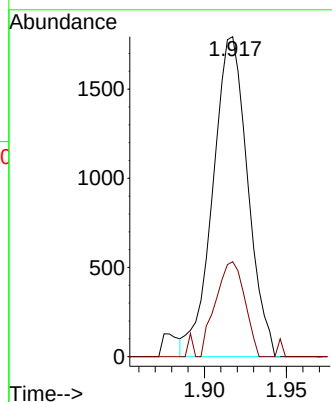
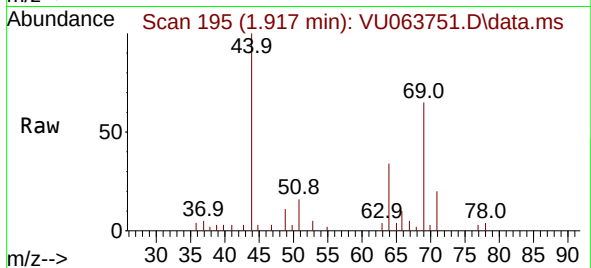




#8
Chloroethane
Concen: 0.288 ug/L
RT: 1.917 min Scan# 194
Delta R.T. 0.003 min
Lab File: VU063751.D
Acq: 20 Nov 2025 10:20

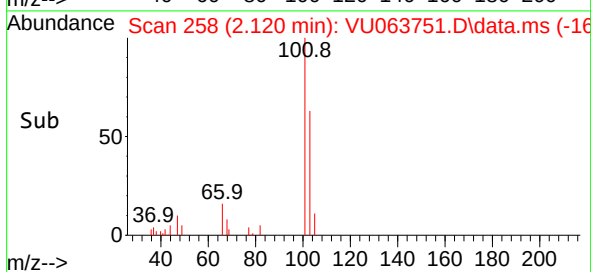
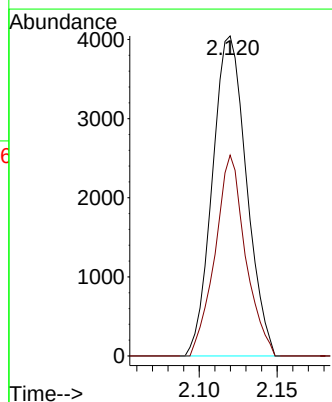
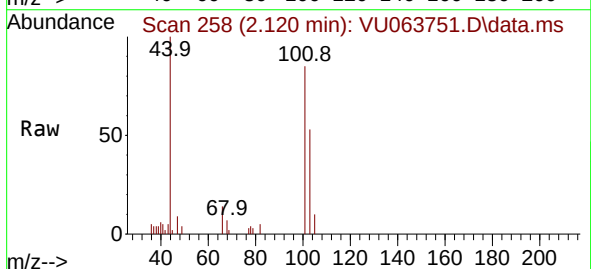
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ClientSampleId : MDL-WATER-QT4-2025-08

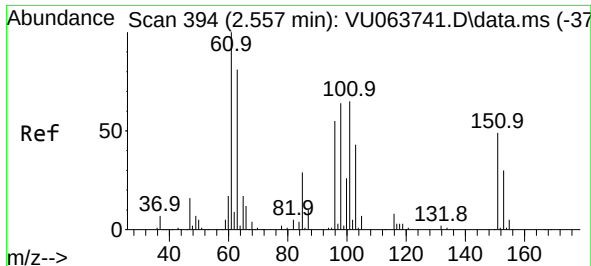
Tgt Ion: 64 Resp: 2645
Ion Ratio Lower Upper
64 100
66 29.7 22.6 42.0



#9
Trichlorofluoromethane
Concen: 0.251 ug/L
RT: 2.120 min Scan# 258
Delta R.T. -0.000 min
Lab File: VU063751.D
Acq: 20 Nov 2025 10:20

Tgt Ion: 101 Resp: 6148
Ion Ratio Lower Upper
101 100
103 56.0 51.0 76.4

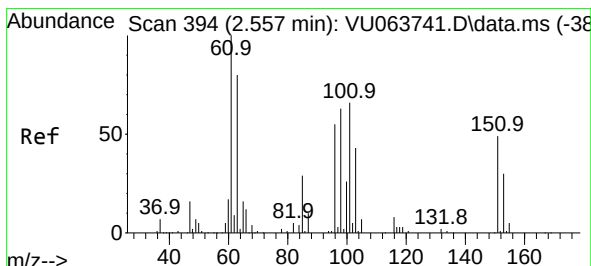
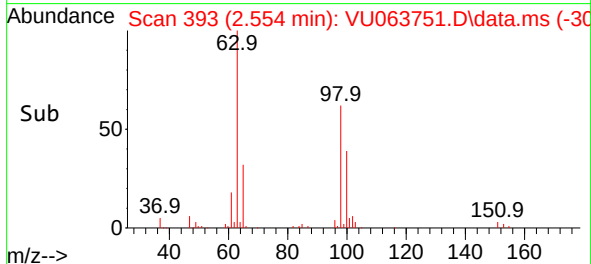
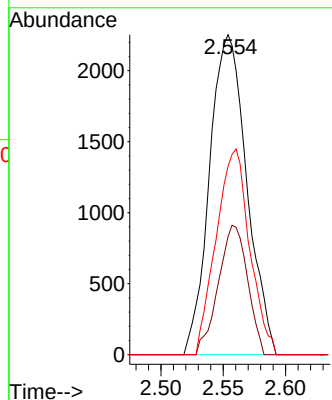
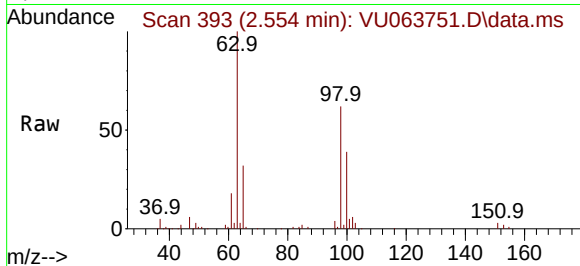




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.319 ug/L
 RT: 2.554 min Scan# 393
 Delta R.T. -0.003 min
 Lab File: VU063751.D
 Acq: 20 Nov 2025 10:20

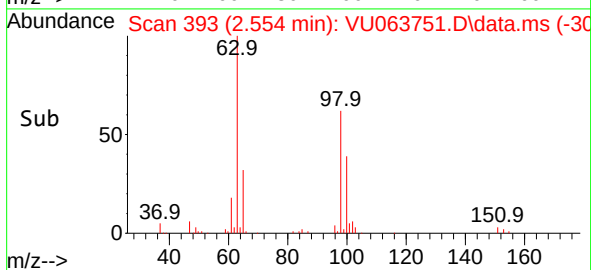
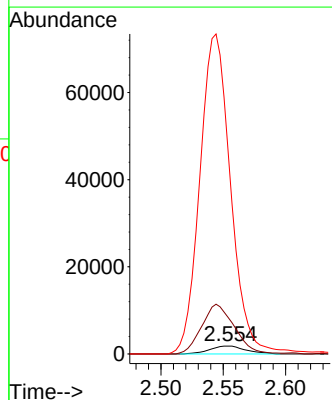
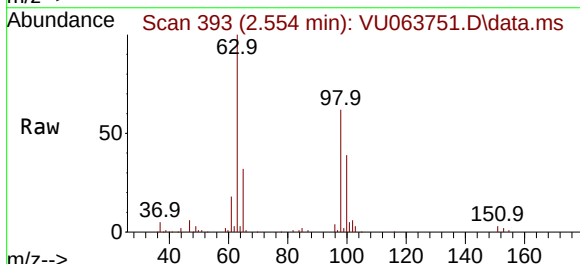
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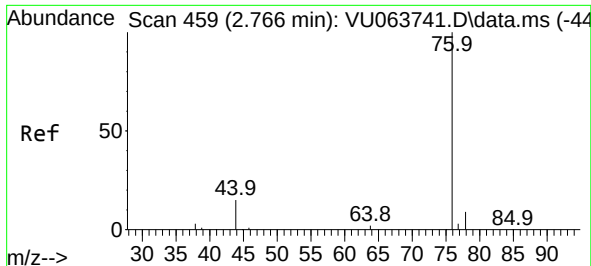
Tgt Ion:101 Resp: 4681
 Ion Ratio Lower Upper
 101 100
 85 31.7 35.7 53.5#
 151 57.8 58.1 87.1#



#12
 1,1-Dichloroethene
 Concen: 0.323 ug/L
 RT: 2.554 min Scan# 393
 Delta R.T. -0.003 min
 Lab File: VU063751.D
 Acq: 20 Nov 2025 10:20

Tgt Ion: 96 Resp: 3658
 Ion Ratio Lower Upper
 96 100
 61 461.6 126.6 235.2#
 63 2567.6 104.2 193.4#

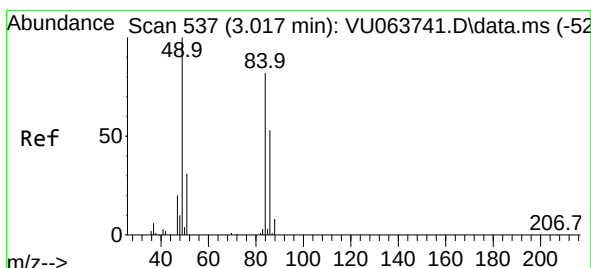
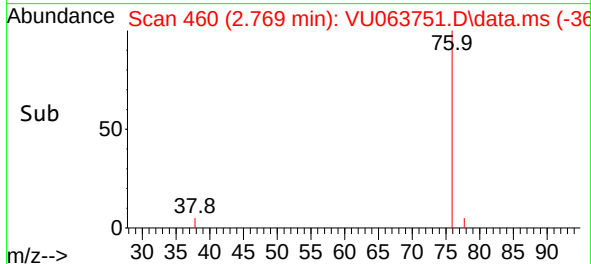
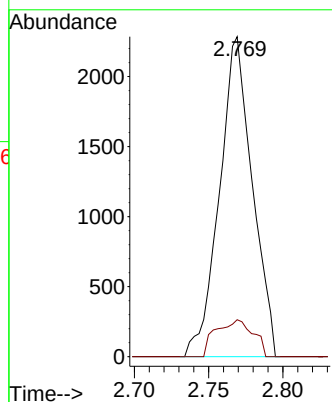
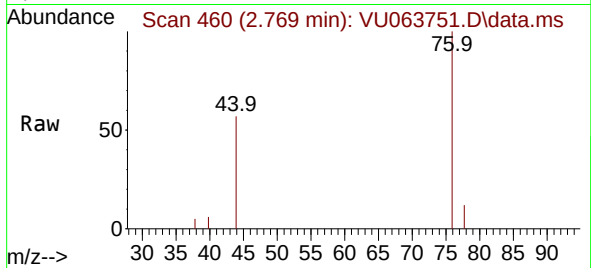




#14
Carbon disulfide
Concen: 0.226 ug/L
RT: 2.769 min Scan# 411
Delta R.T. 0.003 min
Lab File: VU063751.D
Acq: 20 Nov 2025 10:20

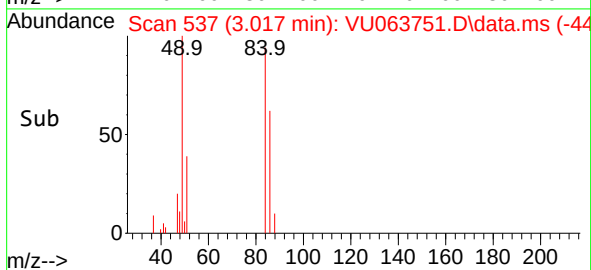
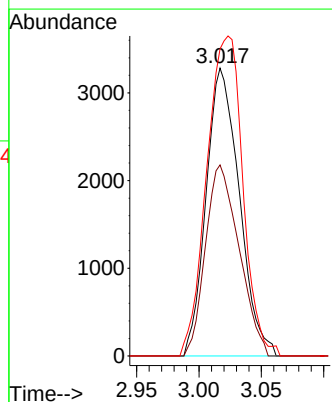
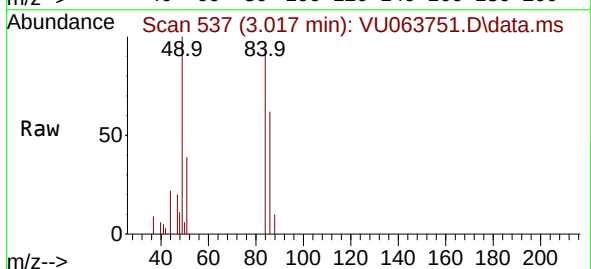
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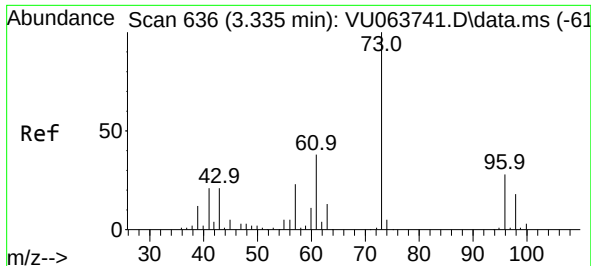
Tgt Ion: 76 Resp: 3511
Ion Ratio Lower Upper
76 100
78 11.5 7.4 11.2#



#16
Methylene chloride
Concen: 0.386 ug/L
RT: 3.017 min Scan# 537
Delta R.T. -0.000 min
Lab File: VU063751.D
Acq: 20 Nov 2025 10:20

Tgt Ion: 84 Resp: 6089
Ion Ratio Lower Upper
84 100
86 66.4 45.1 83.9
49 106.7 85.2 158.2





#17

Methyl tert-butyl Ether

Concen: 0.227 ug/L

RT: 3.338 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU063751.D

Acq: 20 Nov 2025 10:20

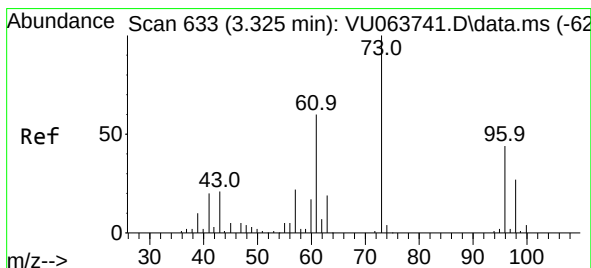
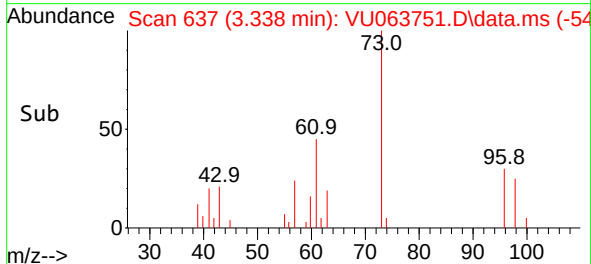
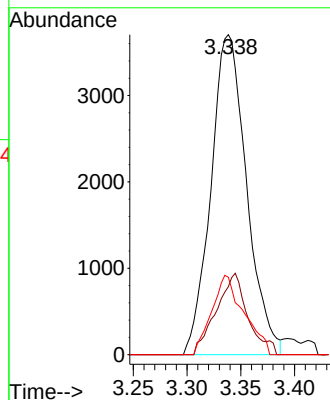
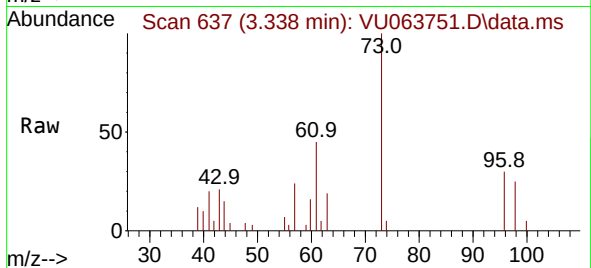
Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2025-08

Tgt Ion: 73	Resp: 8554
Ion Ratio	Lower Upper
73	100
43	22.5 17.0 25.4
57	22.4 17.1 25.7



#18

trans-1,2-Dichloroethene

Concen: 0.249 ug/L

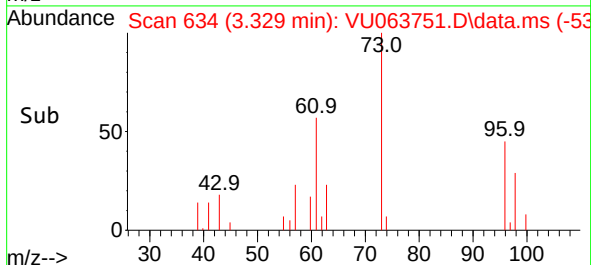
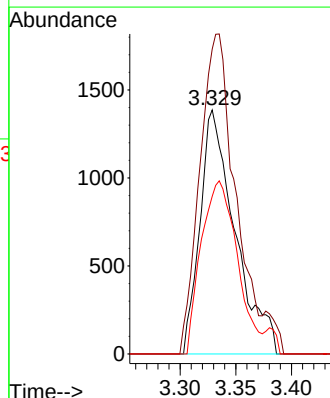
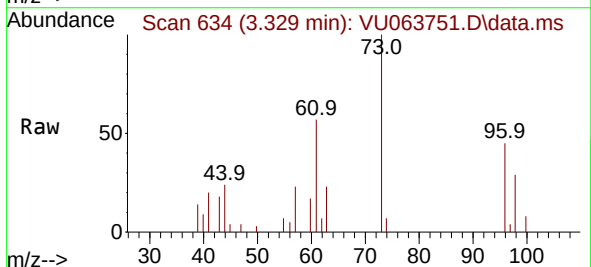
RT: 3.329 min Scan# 634

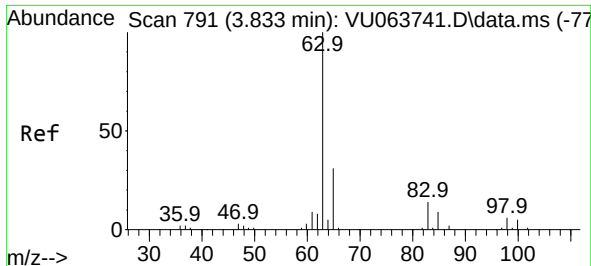
Delta R.T. 0.006 min

Lab File: VU063751.D

Acq: 20 Nov 2025 10:20

Tgt Ion: 96	Resp: 3027
Ion Ratio	Lower Upper
96	100
61	125.0 95.8 178.0
98	64.6 43.2 80.2





#19

1,1-Dichloroethane

Concen: 0.227 ug/L

RT: 3.843 min Scan# 791

Delta R.T. 0.010 min

Lab File: VU063751.D

Acq: 20 Nov 2025 10:20

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2025-08

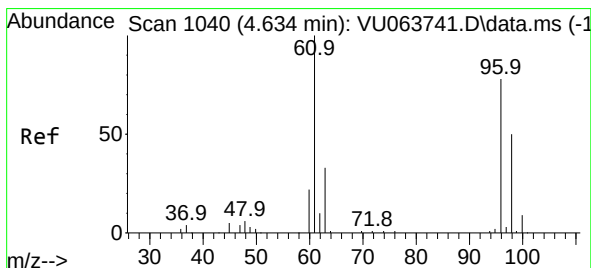
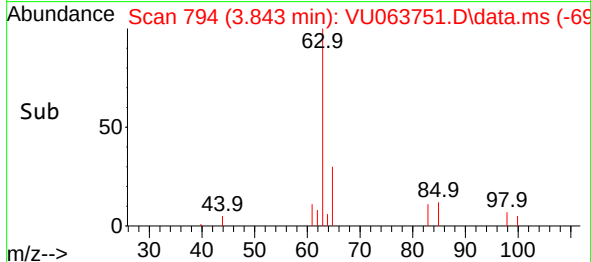
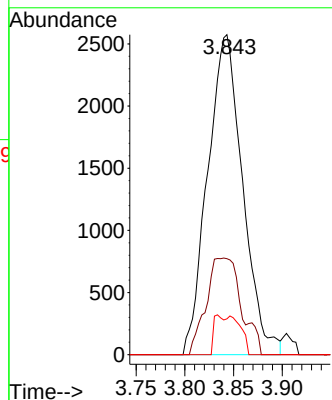
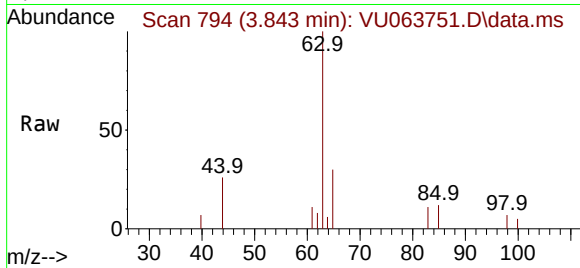
Tgt Ion: 63 Resp: 6438

Ion Ratio Lower Upper

63 100

65 28.4 22.0 40.8

83 10.6 9.9 18.3



#22

cis-1,2-Dichloroethene

Concen: 0.241 ug/L

RT: 4.637 min Scan# 1041

Delta R.T. 0.003 min

Lab File: VU063751.D

Acq: 20 Nov 2025 10:20

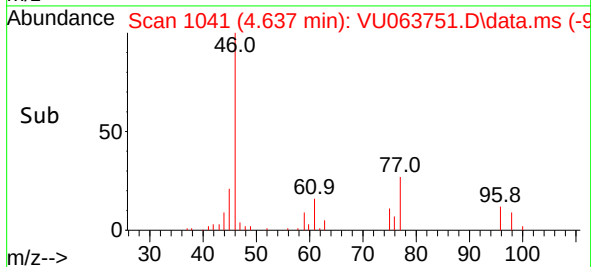
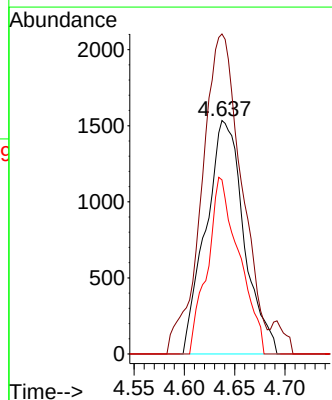
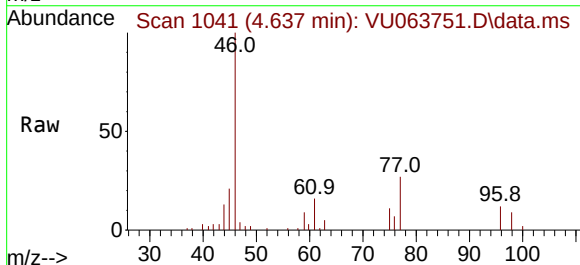
Tgt Ion: 96 Resp: 4055

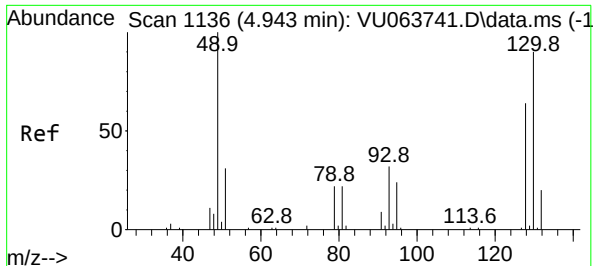
Ion Ratio Lower Upper

96 100

61 137.1 89.5 166.1

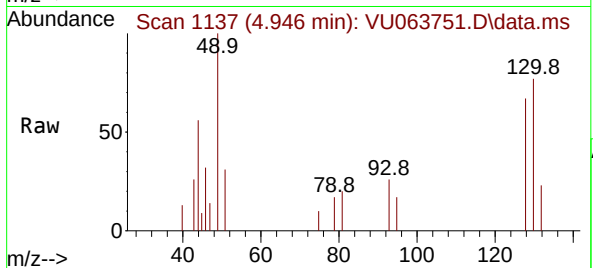
98 74.6 44.6 82.8





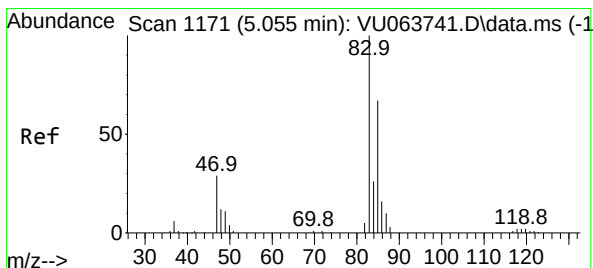
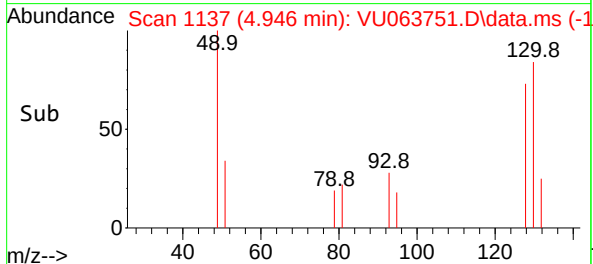
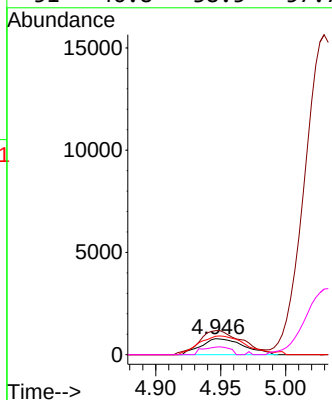
#23
Bromochloromethane
Concen: 0.257 ug/L
RT: 4.946 min Scan# 1136
Delta R.T. -0.000 min
Lab File: VU063751.D
Acq: 20 Nov 2025 10:20

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-08



Tgt Ion:128 Resp: 1798

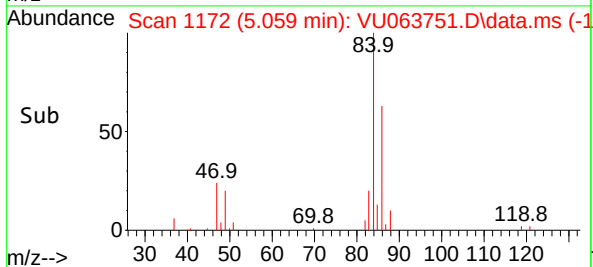
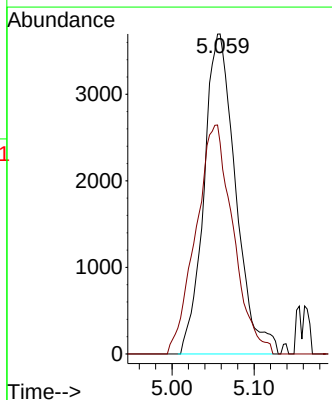
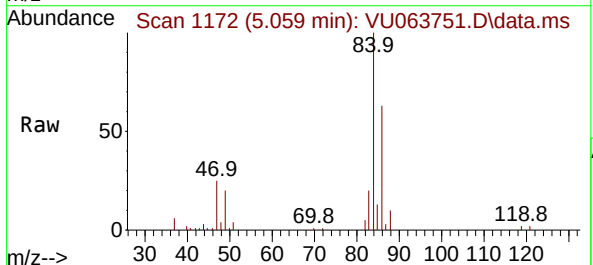
Ion	Ratio	Lower	Upper
128	100		
49	149.9	110.0	204.4
130	115.1	98.9	183.7
51	46.8	38.5	57.7

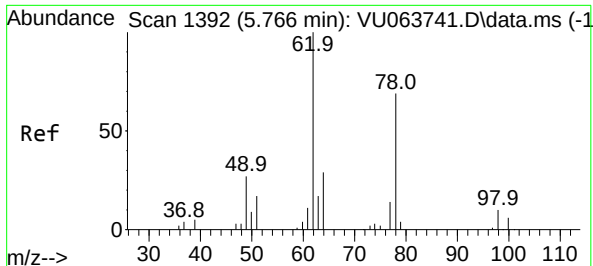


#25
Chloroform
Concen: 0.300 ug/L
RT: 5.059 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VU063751.D
Acq: 20 Nov 2025 10:20

Tgt Ion: 83 Resp: 9918

Ion	Ratio	Lower	Upper
83	100		
85	65.9	47.3	87.9





#27

1,2-Dichloroethane

Concen: 0.251 ug/L

RT: 5.776 min Scan# 1

Delta R.T. 0.013 min

Lab File: VU063751.D

Acq: 20 Nov 2025 10:20

Instrument :

MSVOA_U

ClientSampleId :

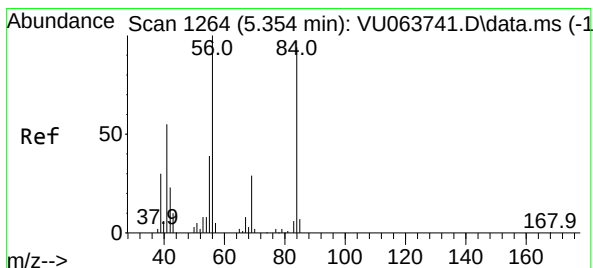
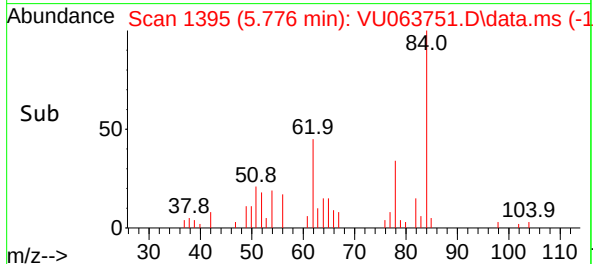
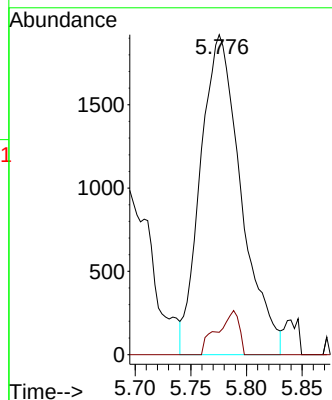
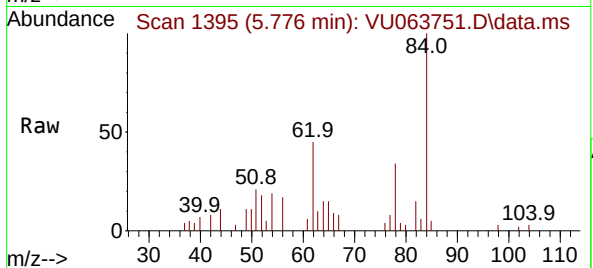
MDL-WATER-QT4-2025-08

Tgt Ion: 62 Resp: 4866

Ion Ratio Lower Upper

62 100

98 7.0 7.6 11.4#



#30

Cyclohexane

Concen: 0.237 ug/L

RT: 5.354 min Scan# 1264

Delta R.T. 0.000 min

Lab File: VU063751.D

Acq: 20 Nov 2025 10:20

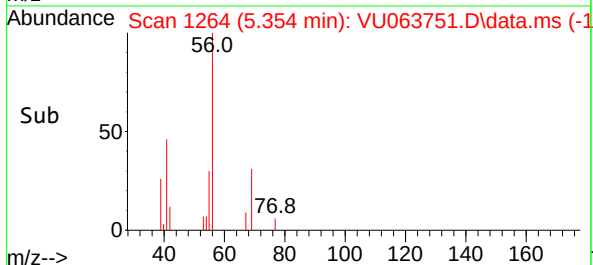
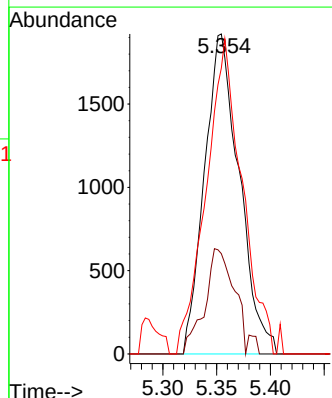
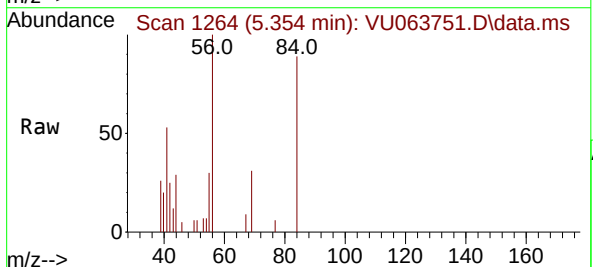
Tgt Ion: 56 Resp: 4312

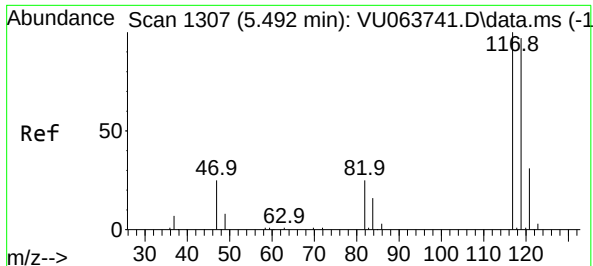
Ion Ratio Lower Upper

56 100

69 28.5 24.3 36.5

84 101.2 72.0 108.0

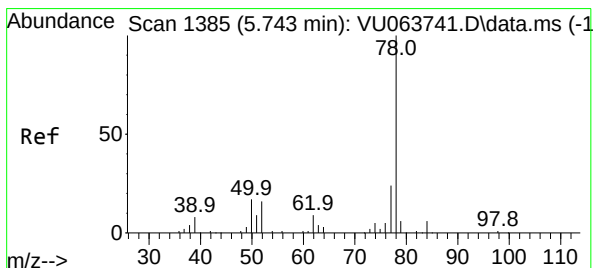
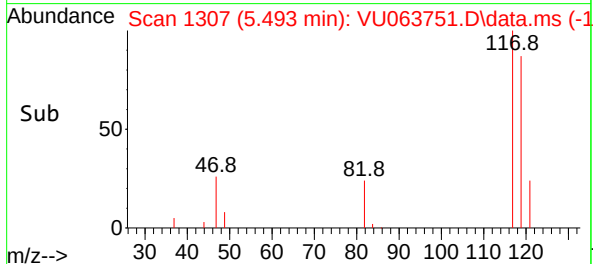
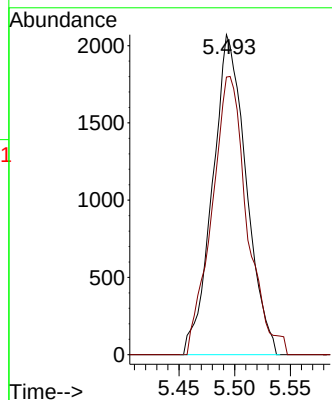
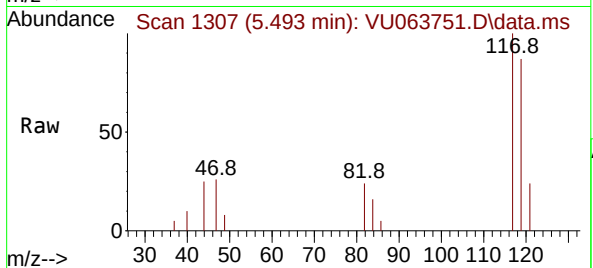




#31
Carbon tetrachloride
Concen: 0.233 ug/L
RT: 5.493 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU063751.D
Acq: 20 Nov 2025 10:20

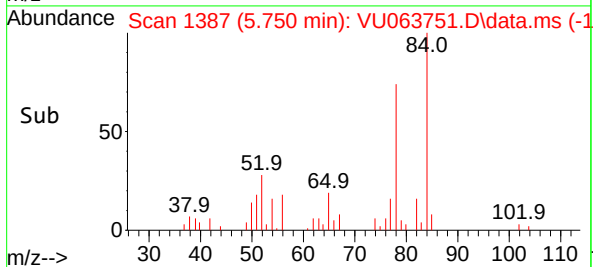
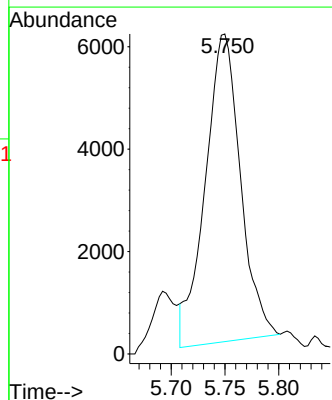
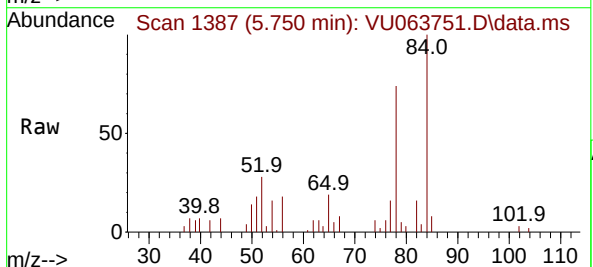
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT4-2025-08

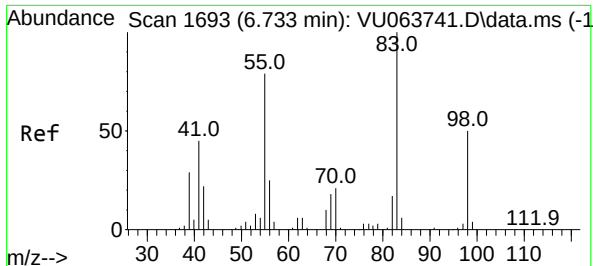
Tgt Ion:117 Resp: 4347
Ion Ratio Lower Upper
117 100
119 91.1 77.0 115.4



#33
Benzene
Concen: 0.238 ug/L
RT: 5.750 min Scan# 1387
Delta R.T. 0.006 min
Lab File: VU063751.D
Acq: 20 Nov 2025 10:20

Tgt Ion: 78 Resp: 13678





#35

Methylcyclohexane

Concen: 0.071 ug/L

RT: 6.724 min Scan# 1

Delta R.T. -0.010 min

Lab File: VU063751.D

Acq: 20 Nov 2025 10:20

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2025-08

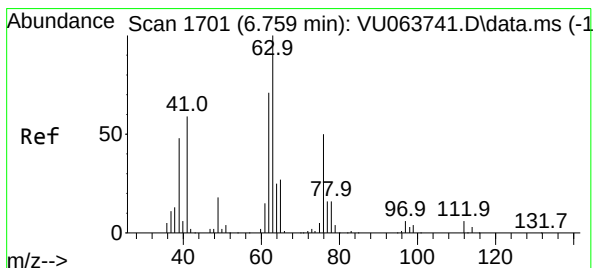
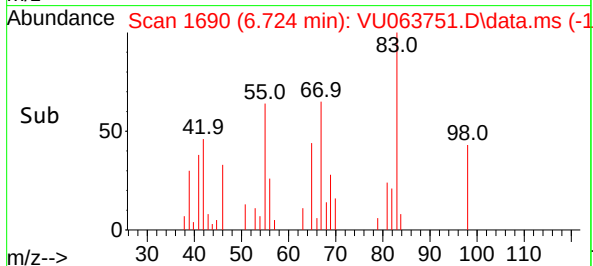
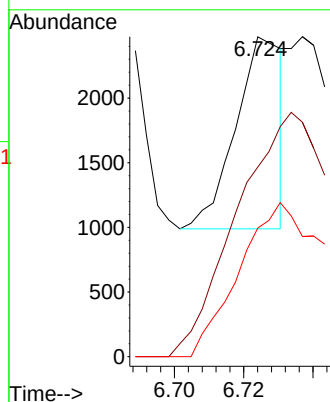
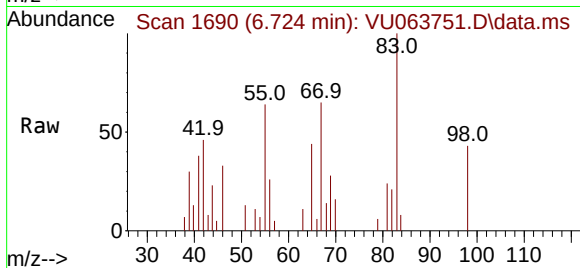
Tgt Ion: 83 Resp: 1372

Ion Ratio Lower Upper

83 100

55 289.8 62.5 93.7#

98 166.9 40.3 60.5#



#37

1,2-Dichloropropane

Concen: 0.267 ug/L

RT: 6.763 min Scan# 1702

Delta R.T. 0.003 min

Lab File: VU063751.D

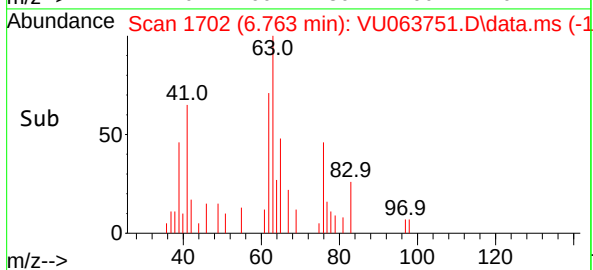
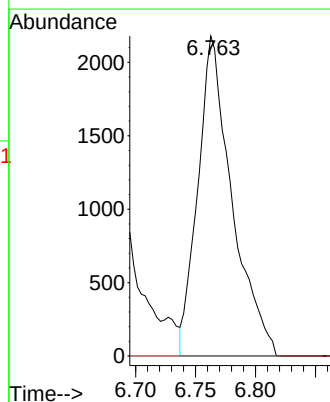
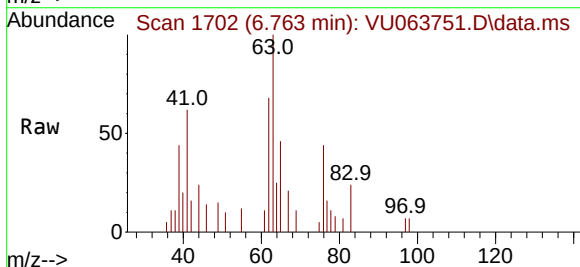
Acq: 20 Nov 2025 10:20

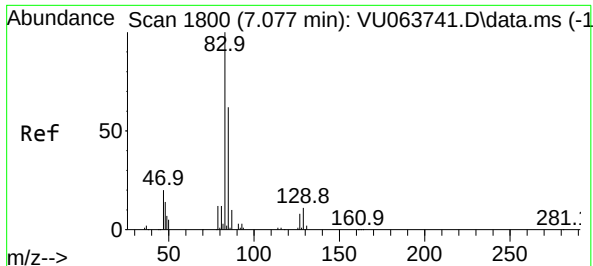
Tgt Ion: 63 Resp: 4309

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#

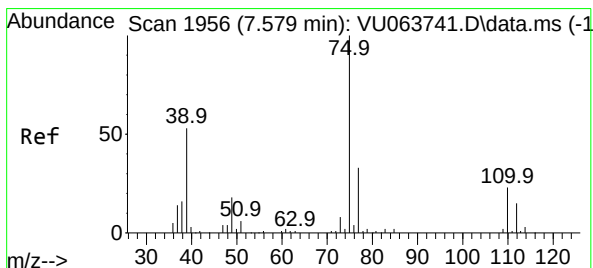
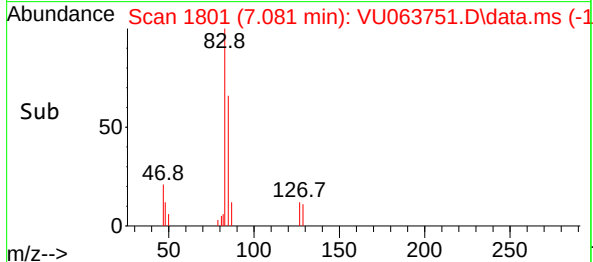
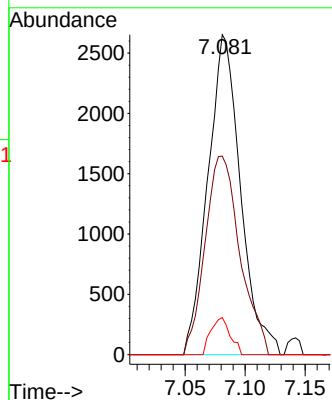
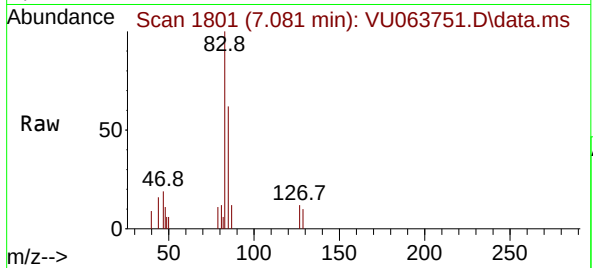




#38
Bromodichloromethane
Concen: 0.236 ug/L
RT: 7.081 min Scan# 1800
Delta R.T. 0.003 min
Lab File: VU063751.D
Acq: 20 Nov 2025 10:20

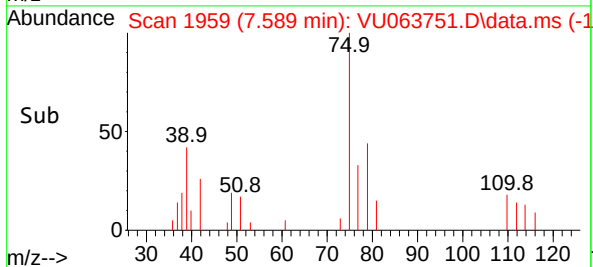
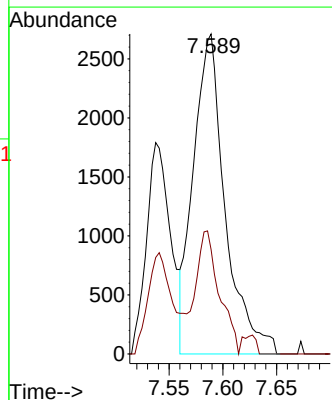
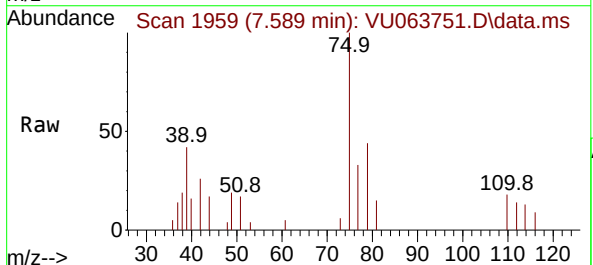
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-08

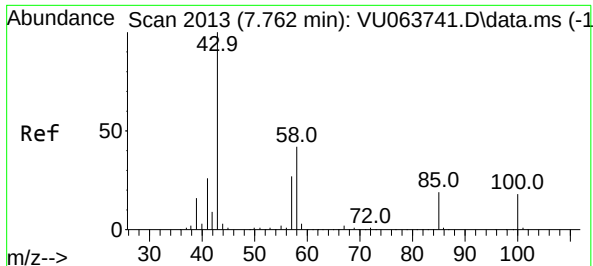
Tgt Ion: 83 Resp: 5021
Ion Ratio Lower Upper
83 100
85 62.0 43.7 81.1
127 11.6 6.7 10.1#



#39
cis-1,3-Dichloropropene
Concen: 0.265 ug/L
RT: 7.589 min Scan# 1959
Delta R.T. 0.010 min
Lab File: VU063751.D
Acq: 20 Nov 2025 10:20

Tgt Ion: 75 Resp: 5578
Ion Ratio Lower Upper
75 100
77 32.6 23.4 43.4





#40

4-Methyl-2-pentanone

Concen: 2.276 ug/L

RT: 7.769 min Scan# 2013

Delta R.T. 0.006 min

Lab File: VU063751.D

Acq: 20 Nov 2025 10:20

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2025-08

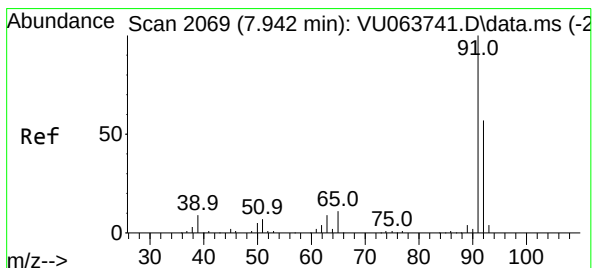
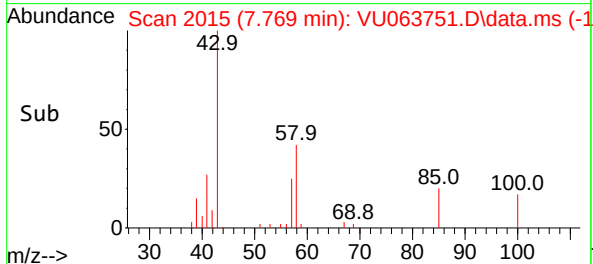
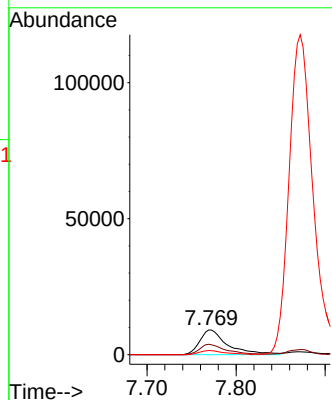
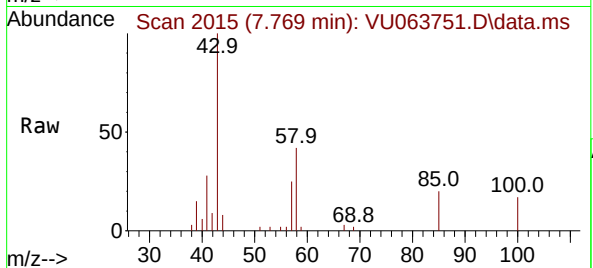
Tgt Ion: 43 Resp: 19770

Ion Ratio Lower Upper

43 100

58 39.5 32.6 49.0

100 0.0 13.9 20.9#



#42

Toluene

Concen: 0.257 ug/L

RT: 7.946 min Scan# 2070

Delta R.T. 0.003 min

Lab File: VU063751.D

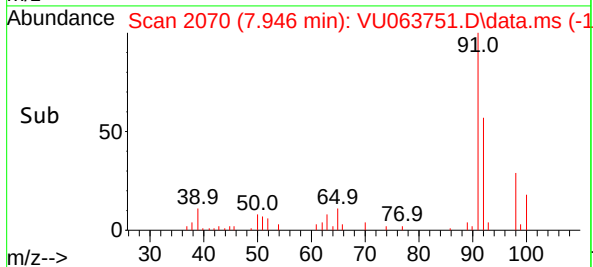
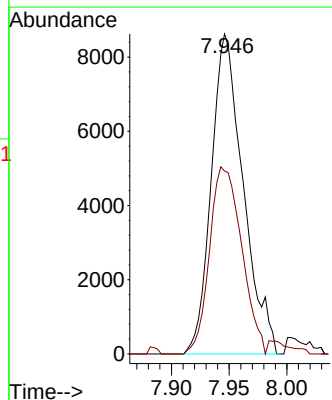
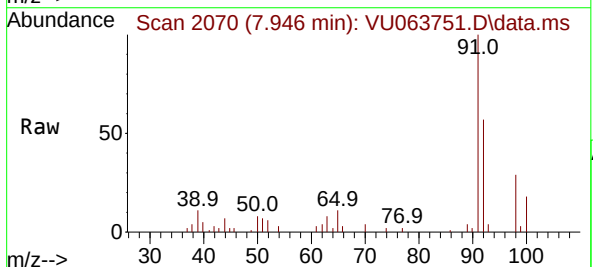
Acq: 20 Nov 2025 10:20

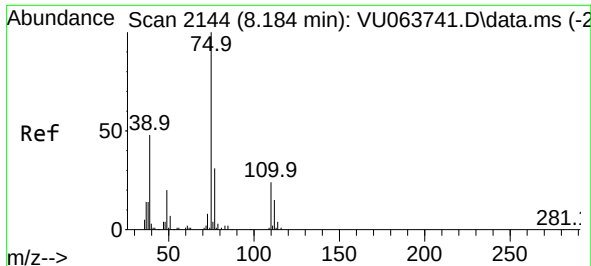
Tgt Ion: 91 Resp: 16572

Ion Ratio Lower Upper

91 100

92 57.2 40.0 74.2

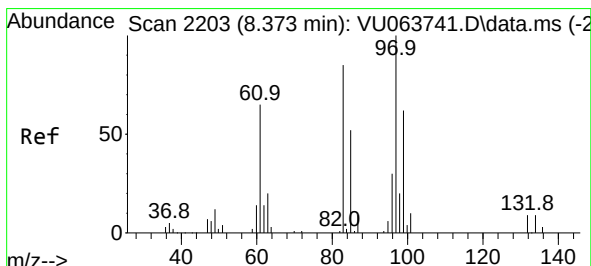
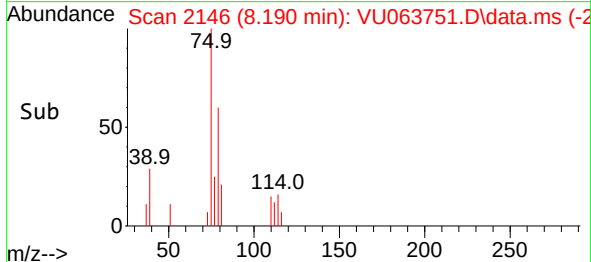
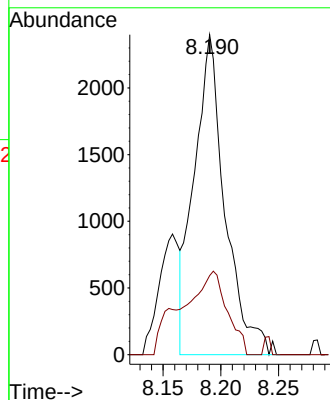
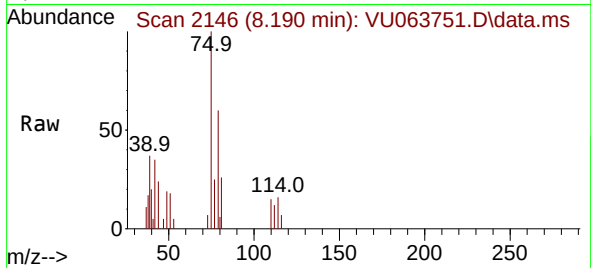




#44
trans-1,3-Dichloropropene
Concen: 0.278 ug/L
RT: 8.190 min Scan# 2144
Delta R.T. 0.006 min
Lab File: VU063751.D
Acq: 20 Nov 2025 10:20

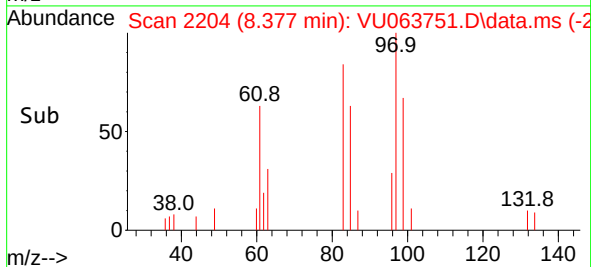
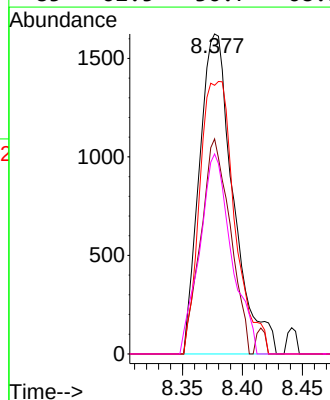
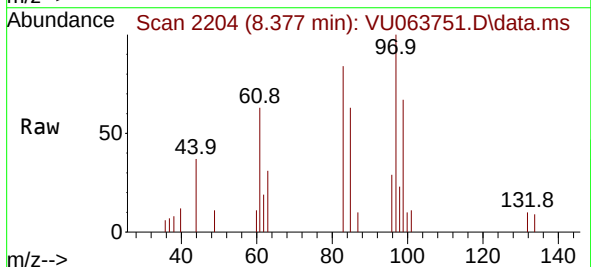
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-08

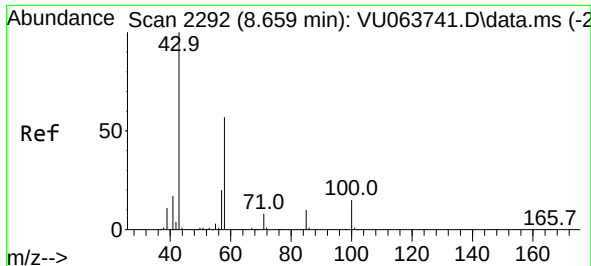
Tgt Ion: 75 Resp: 4443
Ion Ratio Lower Upper
75 100
77 24.7 21.7 40.3



#45
1,1,2-Trichloroethane
Concen: 0.253 ug/L
RT: 8.377 min Scan# 2204
Delta R.T. 0.003 min
Lab File: VU063751.D
Acq: 20 Nov 2025 10:20

Tgt Ion: 97 Resp: 3196
Ion Ratio Lower Upper
97 100
99 67.2 43.4 80.6
83 83.9 59.4 110.2
85 62.5 36.7 68.1

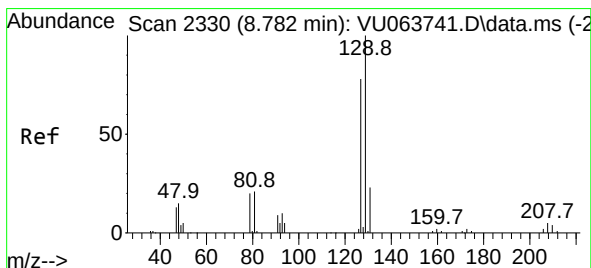
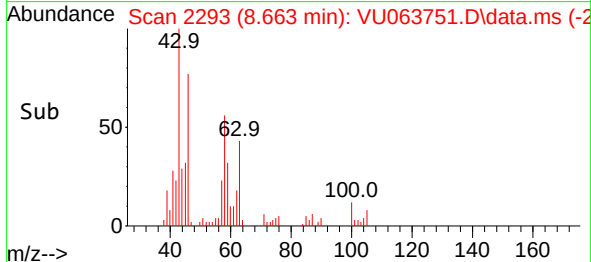
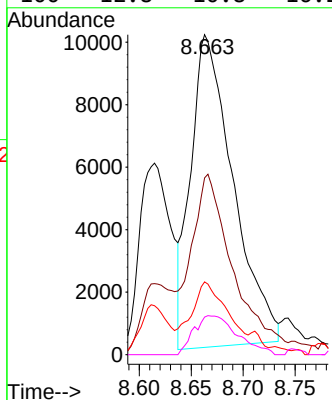
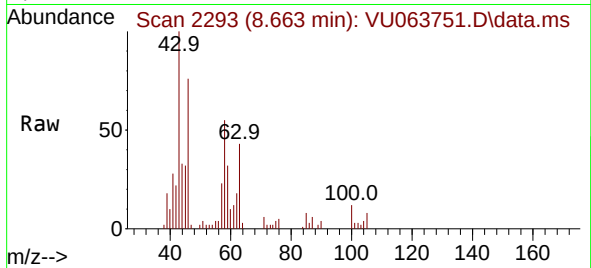




#48
2-Hexanone
Concen: 4.515 ug/L
RT: 8.663 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU063751.D
Acq: 20 Nov 2025 10:20

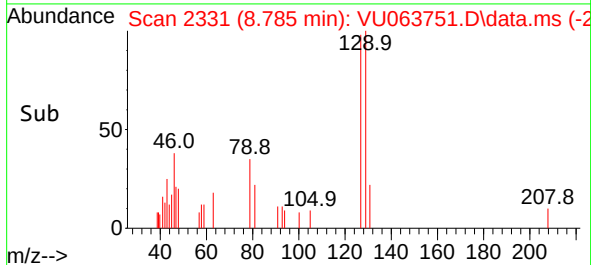
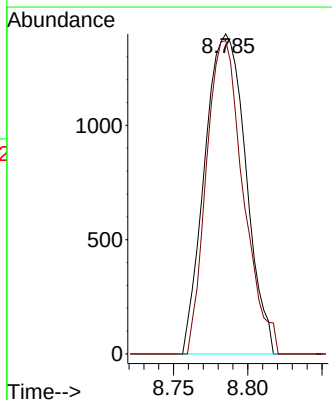
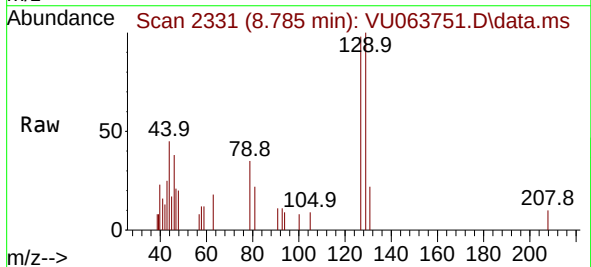
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-08

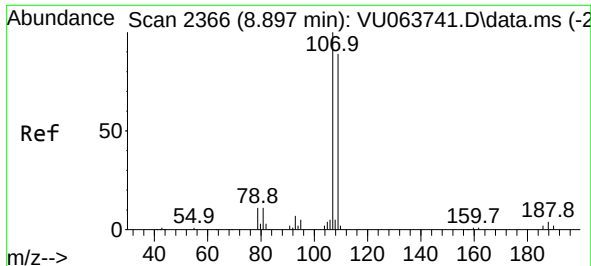
Tgt Ion: 43	Resp: 28413
Ion Ratio	Lower Upper
43 100	
58 51.6	43.3 64.9
57 14.3	16.2 24.2#
100 12.8	10.8 16.2



#49
Dibromochloromethane
Concen: 0.210 ug/L
RT: 8.785 min Scan# 2331
Delta R.T. 0.003 min
Lab File: VU063751.D
Acq: 20 Nov 2025 10:20

Tgt Ion: 129	Resp: 2700
Ion Ratio	Lower Upper
129 100	
127 97.9	54.9 102.1

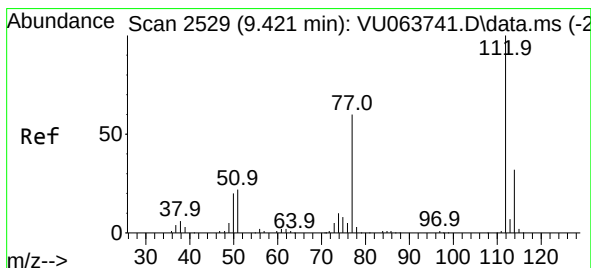
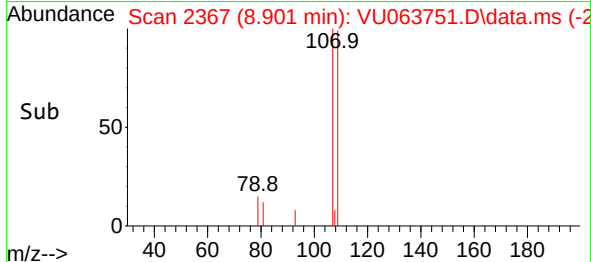
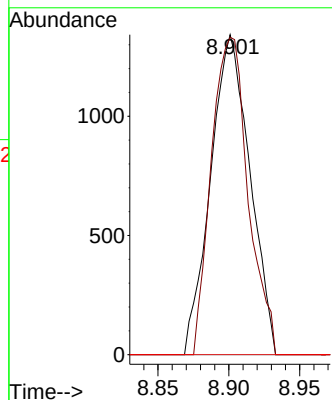
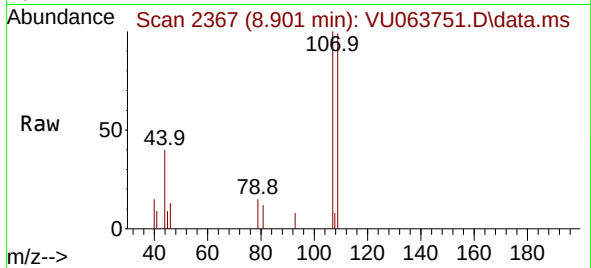




#50
1,2-Dibromoethane
Concen: 0.237 ug/L
RT: 8.901 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063751.D
Acq: 20 Nov 2025 10:20

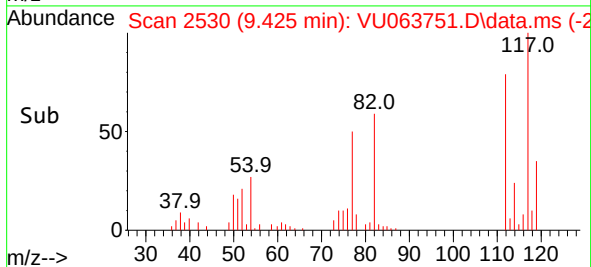
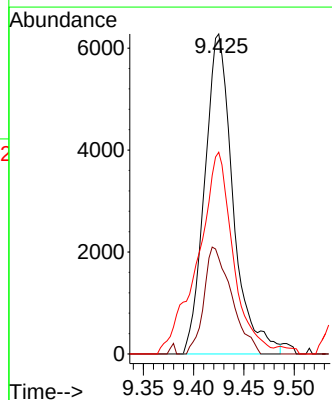
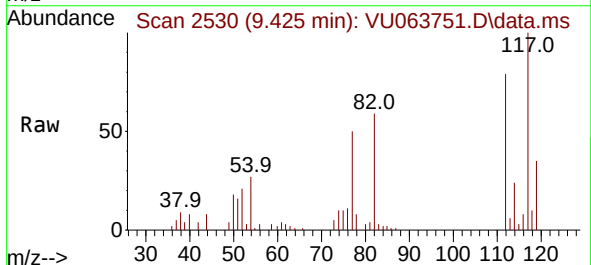
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-08

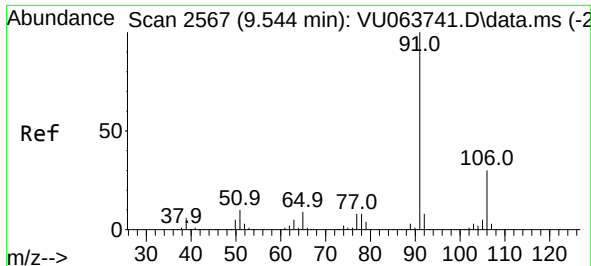
Tgt Ion:107 Resp: 2587
Ion Ratio Lower Upper
107 100
109 99.2 62.6 116.3
188 0.0 2.8 4.2#



#51
Chlorobenzene
Concen: 0.260 ug/L
RT: 9.425 min Scan# 2530
Delta R.T. 0.003 min
Lab File: VU063751.D
Acq: 20 Nov 2025 10:20

Tgt Ion:112 Resp: 12305
Ion Ratio Lower Upper
112 100
114 29.9 22.4 41.6
77 63.1 48.3 72.5





#52

Ethylbenzene

Concen: 0.248 ug/L

RT: 9.547 min Scan# 2

Delta R.T. 0.003 min

Lab File: VU063751.D

Acq: 20 Nov 2025 10:20

Instrument :

MSVOA_U

ClientSampleId :

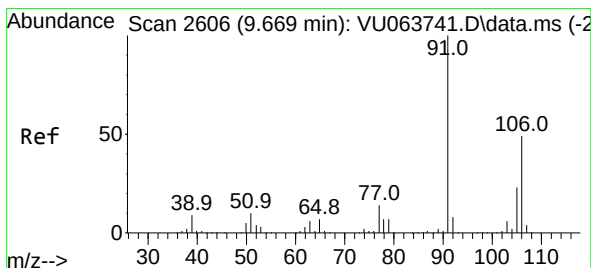
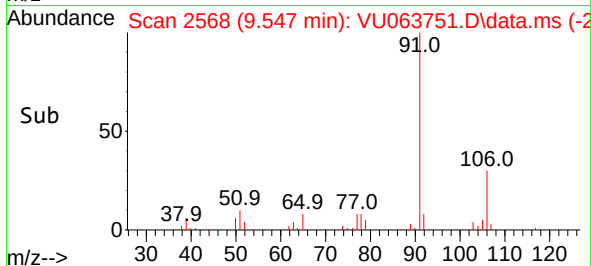
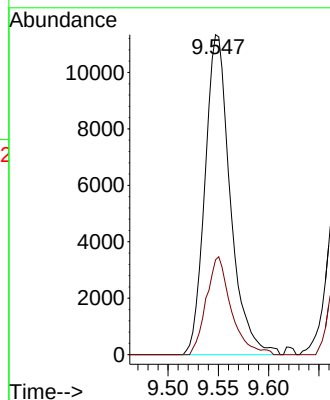
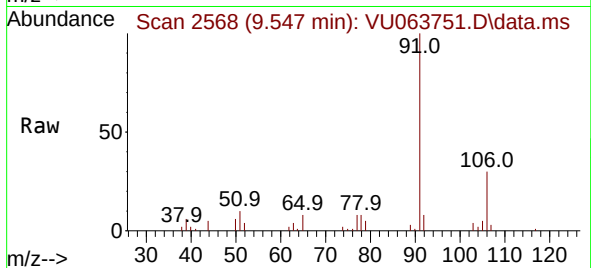
MDL-WATER-QT4-2025-08

Tgt Ion: 91 Resp: 19838

Ion Ratio Lower Upper

91 100

106 29.7 21.1 39.3



#53

m,p-Xylene

Concen: 0.245 ug/L

RT: 9.676 min Scan# 2608

Delta R.T. 0.006 min

Lab File: VU063751.D

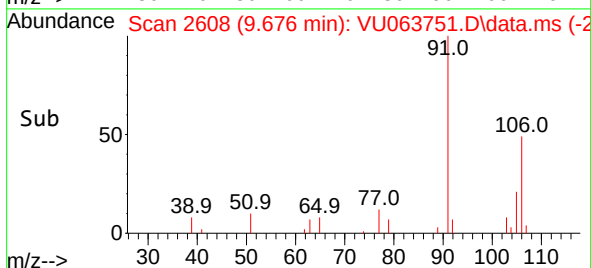
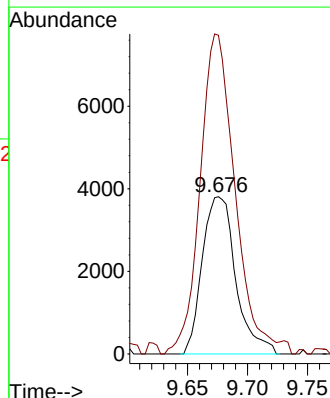
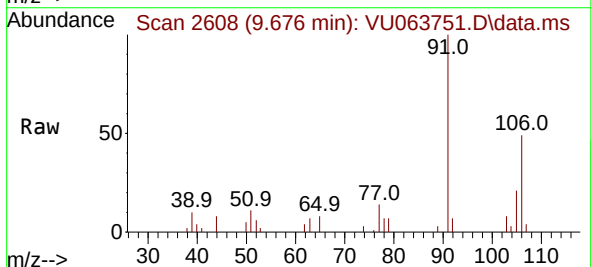
Acq: 20 Nov 2025 10:20

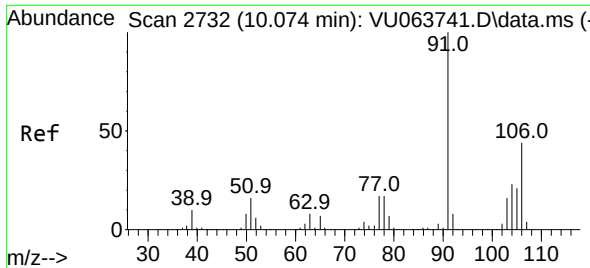
Tgt Ion:106 Resp: 7390

Ion Ratio Lower Upper

106 100

91 202.7 144.5 268.3

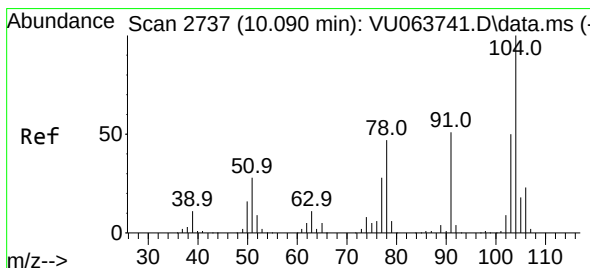
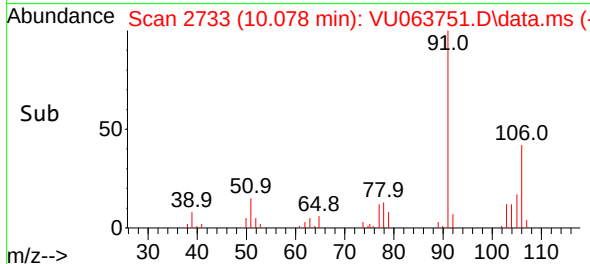
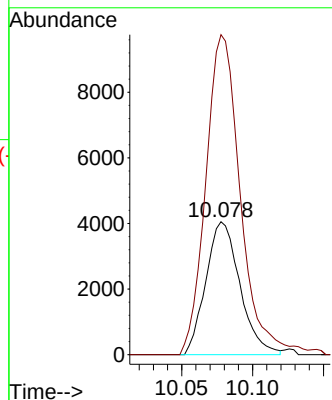
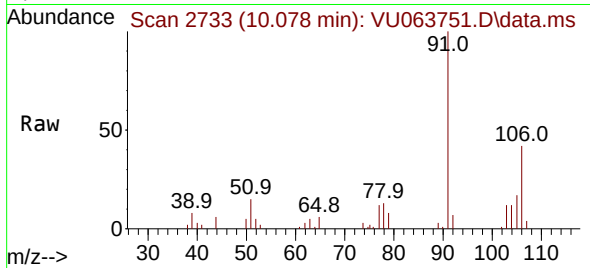




#54
o-Xylene
Concen: 0.227 ug/L
RT: 10.078 min Scan# 2733
Delta R.T. 0.003 min
Lab File: VU063751.D
Acq: 20 Nov 2025 10:20

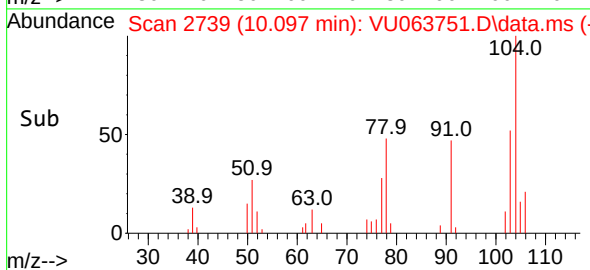
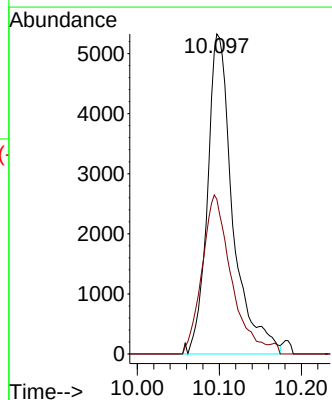
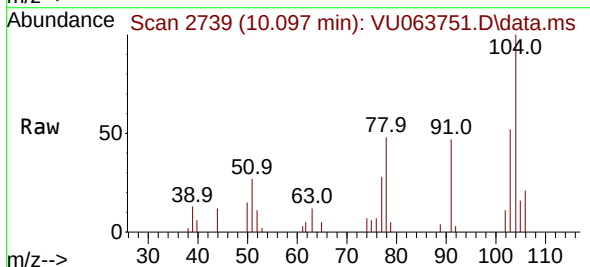
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-08

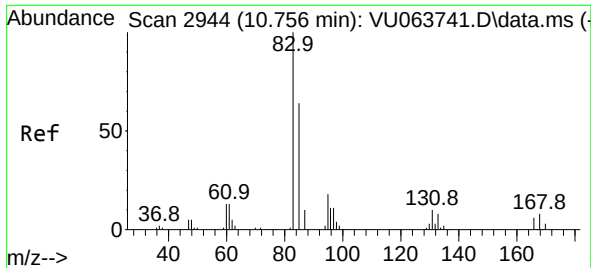
Tgt Ion:106 Resp: 6773
Ion Ratio Lower Upper
106 100
91 240.6 157.4 292.4



#55
Styrene
Concen: 0.233 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.006 min
Lab File: VU063751.D
Acq: 20 Nov 2025 10:20

Tgt Ion:104 Resp: 11422
Ion Ratio Lower Upper
104 100
78 53.7 32.7 60.7

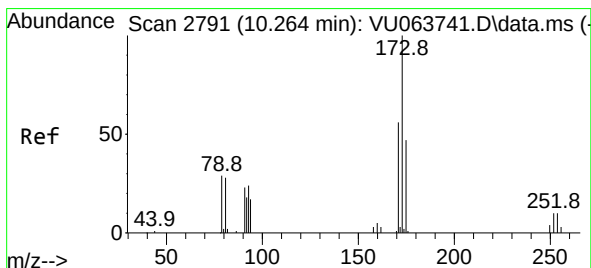
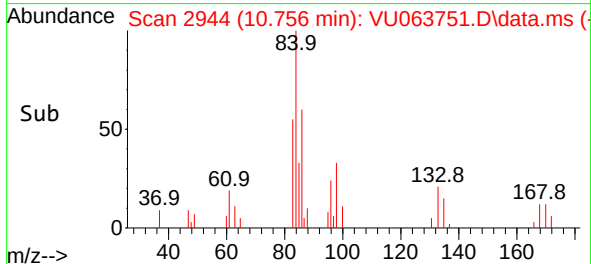
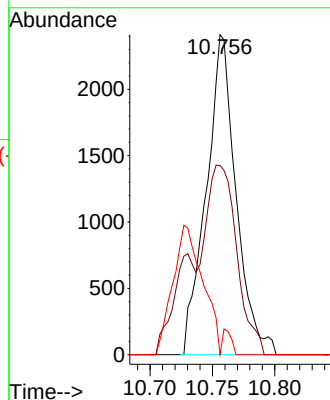
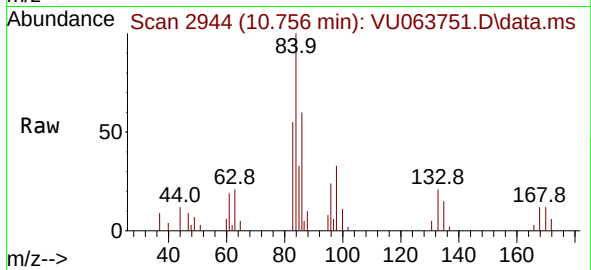




#57
1,1,2,2-Tetrachloroethane
Concen: 0.266 ug/L
RT: 10.756 min Scan# 2944
Delta R.T. 0.000 min
Lab File: VU063751.D
Acq: 20 Nov 2025 10:20

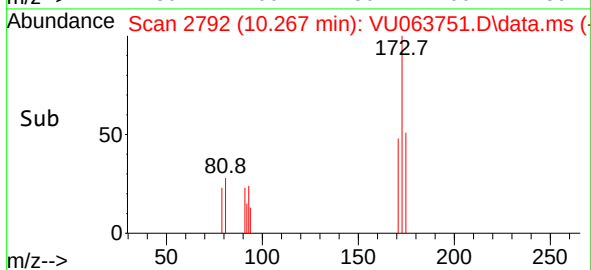
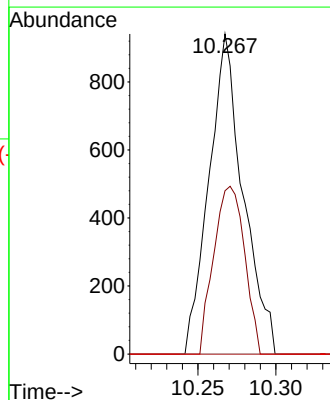
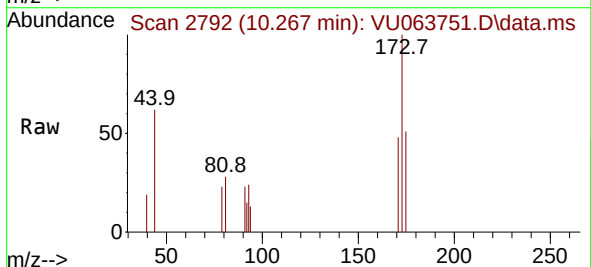
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT4-2025-08

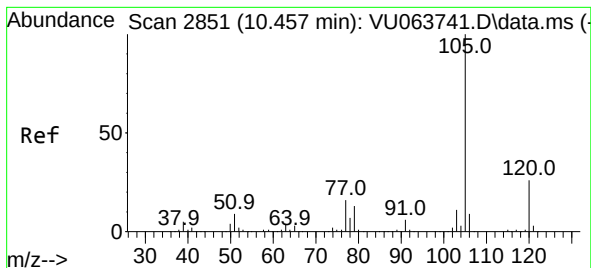
Tgt Ion: 83 Resp: 4021
Ion Ratio Lower Upper
83 100
85 59.2 45.2 84.0
131 0.0 8.4 12.6#



#59
Bromoform
Concen: 0.226 ug/L
RT: 10.267 min Scan# 2792
Delta R.T. 0.003 min
Lab File: VU063751.D
Acq: 20 Nov 2025 10:20

Tgt Ion:173 Resp: 1431
Ion Ratio Lower Upper
173 100
175 47.2 37.8 56.8
254 0.0 7.8 11.8#





#60

Isopropylbenzene

Concen: 0.258 ug/L

RT: 10.460 min Scan# 2851

Delta R.T. 0.003 min

Lab File: VU063751.D

Acq: 20 Nov 2025 10:20

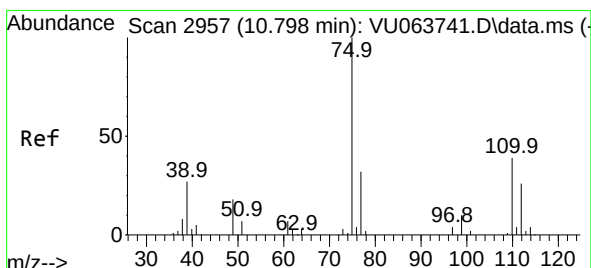
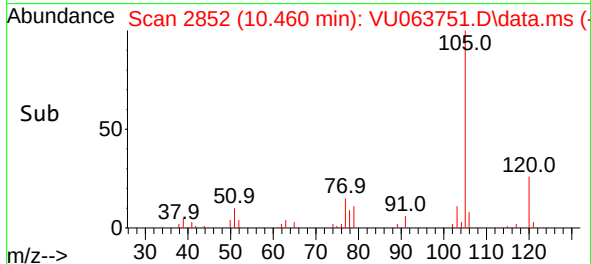
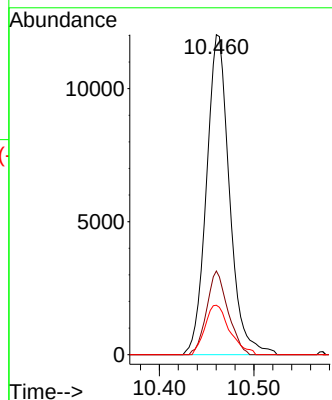
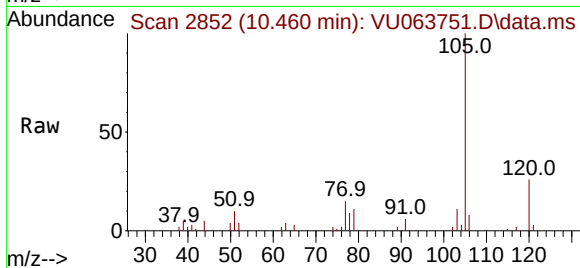
Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2025-08

Tgt Ion:	105	Resp:	20327
Ion Ratio	Lower	Upper	
105	100		
120	24.2	20.6	31.0
77	16.6	12.6	19.0



#61

1,2,3-Trichloropropane

Concen: 0.283 ug/L

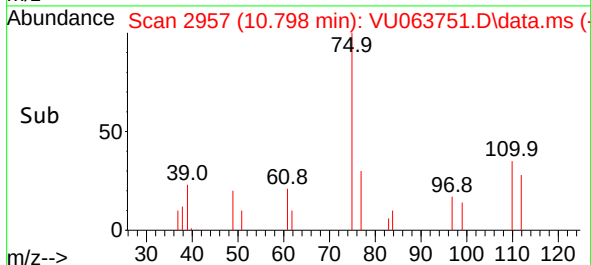
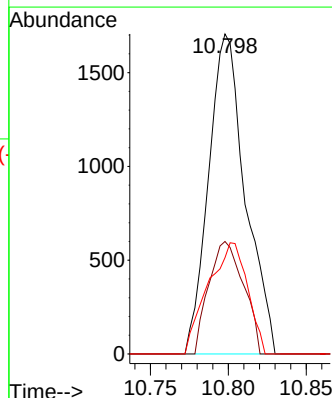
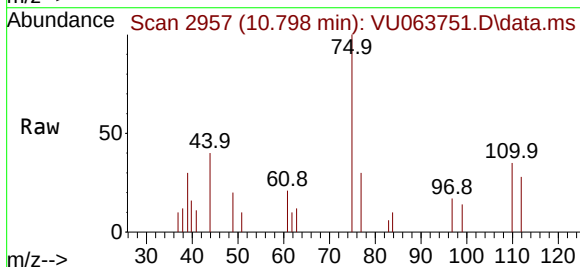
RT: 10.798 min Scan# 2957

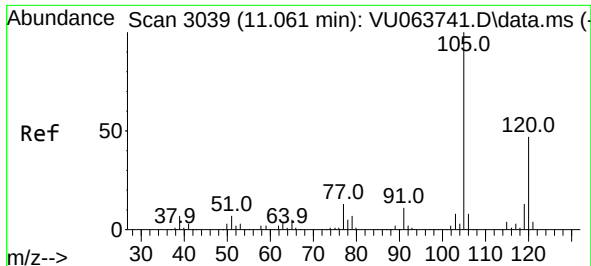
Delta R.T. 0.000 min

Lab File: VU063751.D

Acq: 20 Nov 2025 10:20

Tgt Ion:	75	Resp:	2794
Ion Ratio	Lower	Upper	
75	100		
110	33.3	31.2	46.8
77	37.3	26.6	40.0

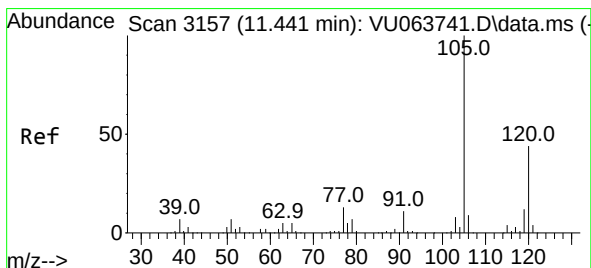
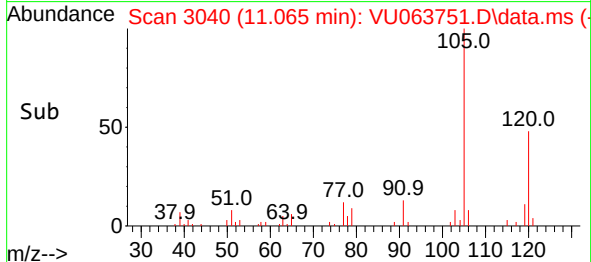
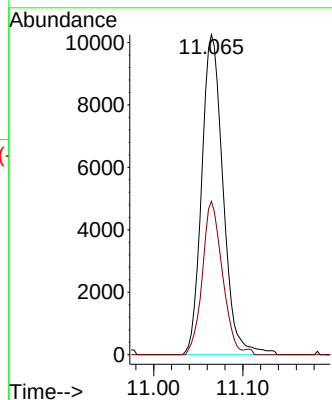
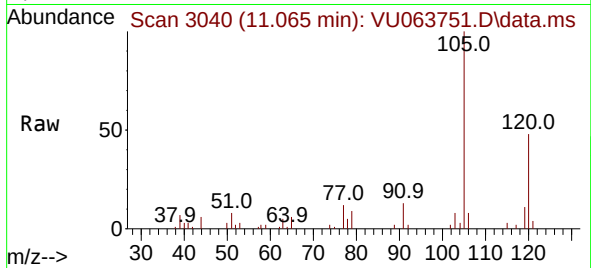




#62
1,3,5-Trimethylbenzene
Concen: 0.260 ug/L
RT: 11.065 min Scan# 3040
Delta R.T. 0.003 min
Lab File: VU063751.D
Acq: 20 Nov 2025 10:20

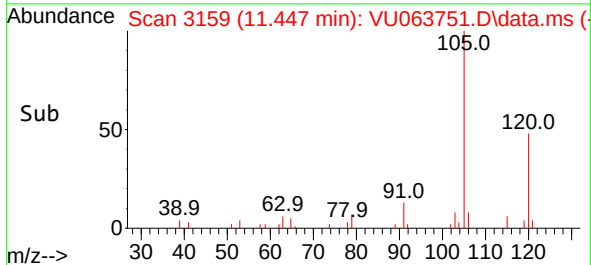
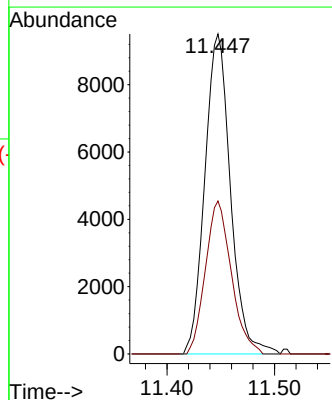
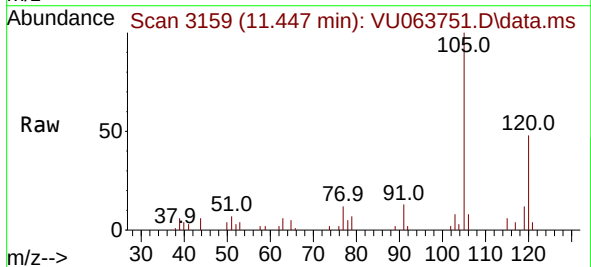
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-08

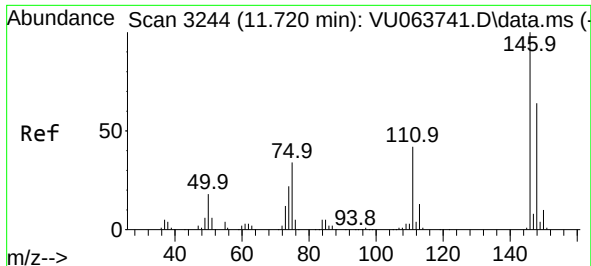
Tgt Ion:105 Resp: 17078
Ion Ratio Lower Upper
105 100
120 44.6 38.2 57.2



#63
1,2,4-Trimethylbenzene
Concen: 0.247 ug/L
RT: 11.447 min Scan# 3159
Delta R.T. 0.003 min
Lab File: VU063751.D
Acq: 20 Nov 2025 10:20

Tgt Ion:105 Resp: 15779
Ion Ratio Lower Upper
105 100
120 48.2 35.1 52.7

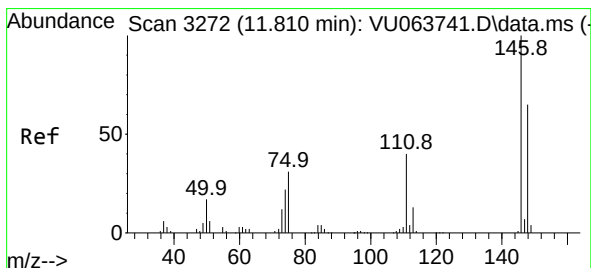
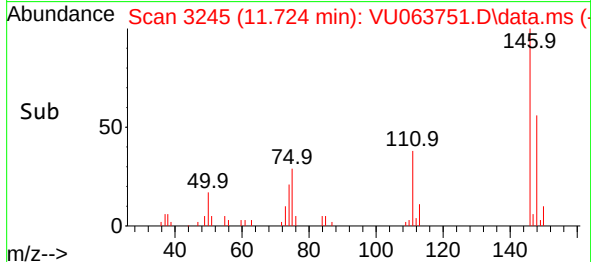
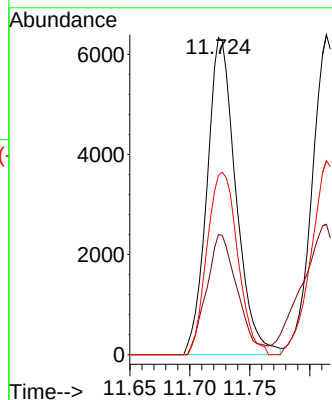
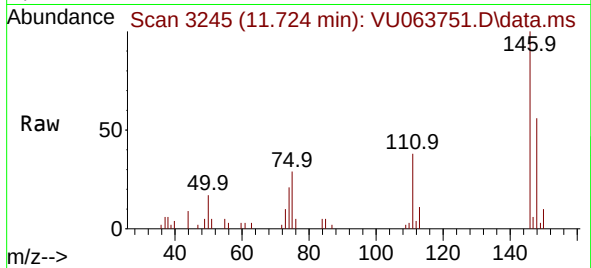




#64
1,3-Dichlorobenzene
Concen: 0.285 ug/L
RT: 11.724 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU063751.D
Acq: 20 Nov 2025 10:20

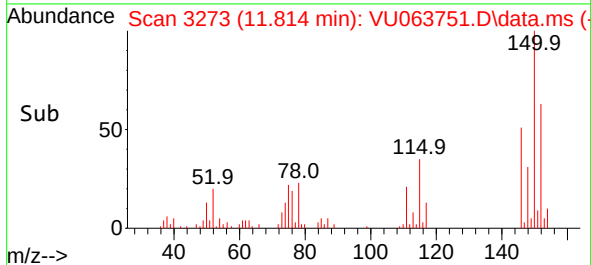
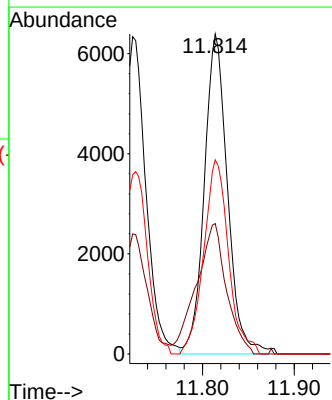
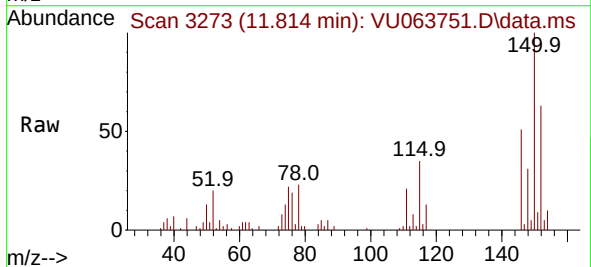
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-08

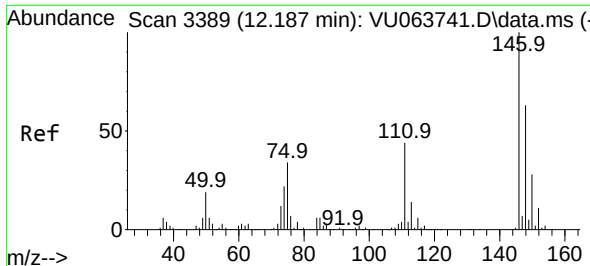
Tgt Ion:146 Resp: 10635
Ion Ratio Lower Upper
146 100
111 37.8 29.5 54.9
148 56.5 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 0.298 ug/L
RT: 11.814 min Scan# 3273
Delta R.T. 0.003 min
Lab File: VU063751.D
Acq: 20 Nov 2025 10:20

Tgt Ion:146 Resp: 11251
Ion Ratio Lower Upper
146 100
111 40.8 27.9 51.7
148 60.6 45.7 84.9





#67

1,2-Dichlorobenzene

Concen: 0.288 ug/L

RT: 12.187 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU063751.D

Acq: 20 Nov 2025 10:20

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2025-08

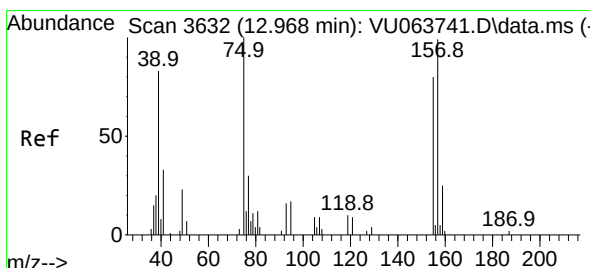
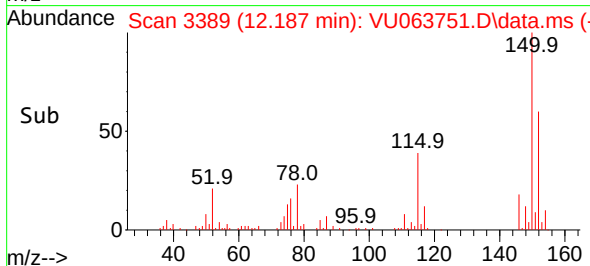
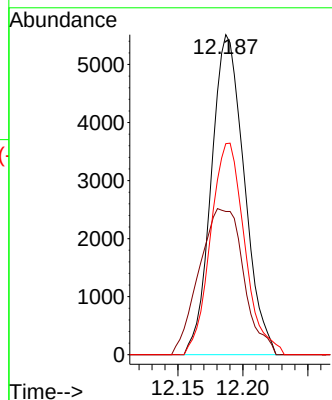
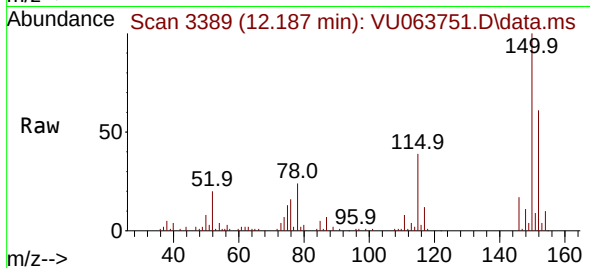
Tgt Ion:146 Resp: 9697

Ion Ratio Lower Upper

146 100

111 44.7 35.0 52.4

148 65.9 50.2 75.2



#68

1,2-Dibromo-3-chloropropane

Concen: 0.231 ug/L

RT: 12.971 min Scan# 3633

Delta R.T. 0.003 min

Lab File: VU063751.D

Acq: 20 Nov 2025 10:20

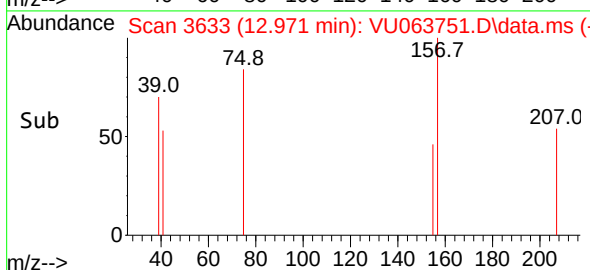
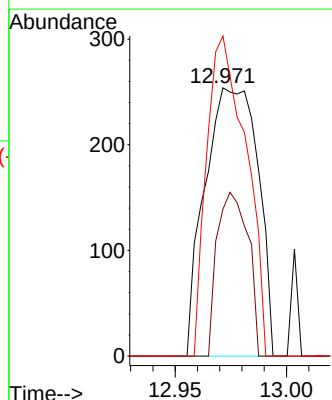
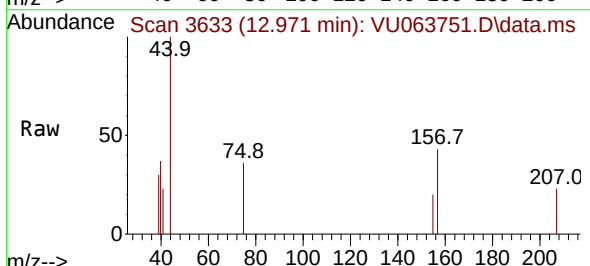
Tgt Ion: 75 Resp: 419

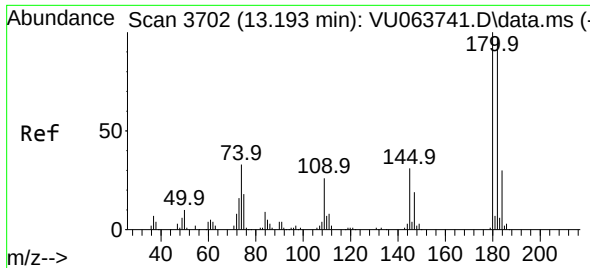
Ion Ratio Lower Upper

75 100

155 54.7 64.1 96.1#

157 119.3 79.0 118.4#

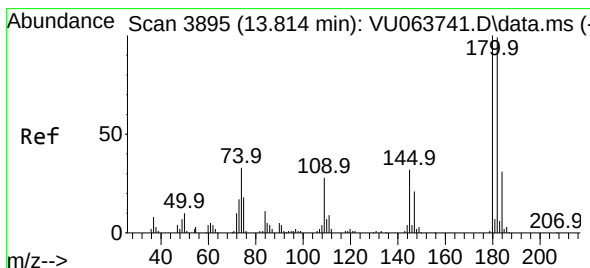
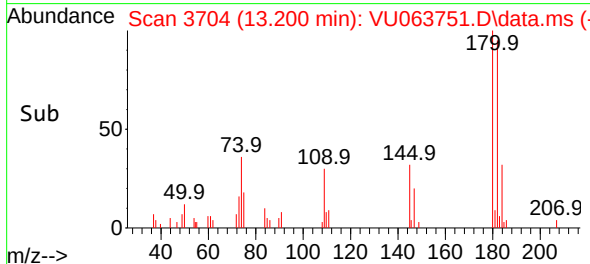
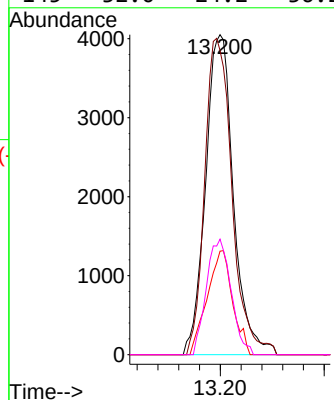
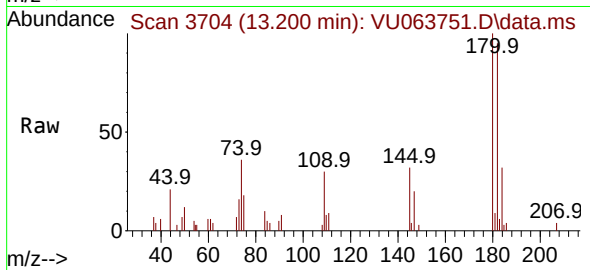




#69
 1,3,5-Trichlorobenzene
 Concen: 0.276 ug/L
 RT: 13.200 min Scan# 31
 Delta R.T. 0.010 min
 Lab File: VU063751.D
 Acq: 20 Nov 2025 10:20

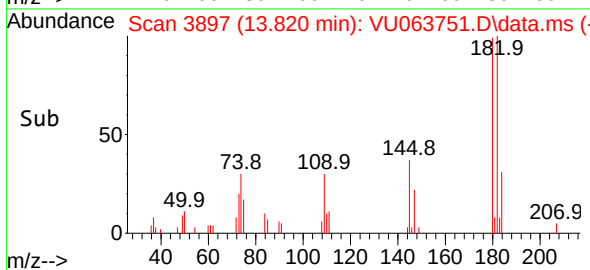
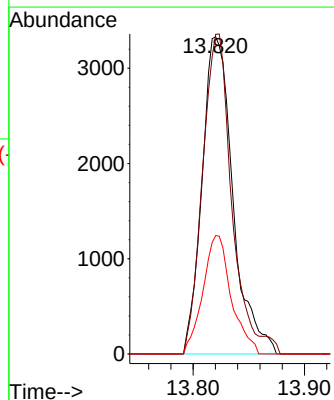
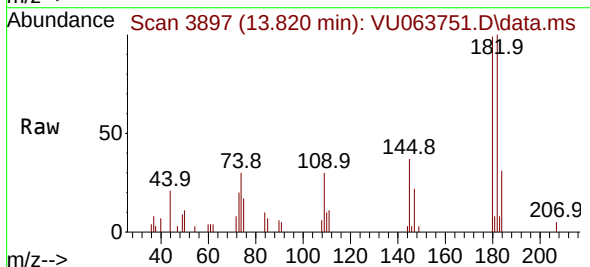
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT4-2025-08

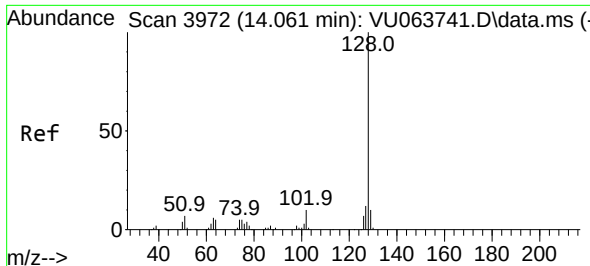
Tgt Ion:180	Resp:	7542
Ion Ratio	Lower	Upper
180	100	
182	96.7	76.4 114.6
184	29.6	23.8 35.6
145	32.0	24.2 36.2



#70
 1,2,4-trichlorobenzene
 Concen: 0.296 ug/L
 RT: 13.820 min Scan# 3897
 Delta R.T. 0.006 min
 Lab File: VU063751.D
 Acq: 20 Nov 2025 10:20

Tgt Ion:180	Resp:	6411
Ion Ratio	Lower	Upper
180	100	
182	96.0	77.8 116.6
145	34.3	26.1 39.1

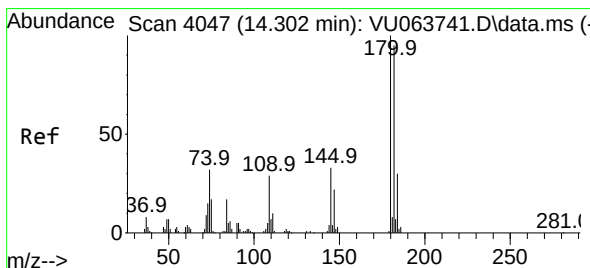
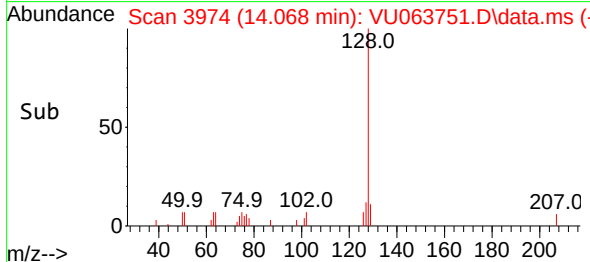
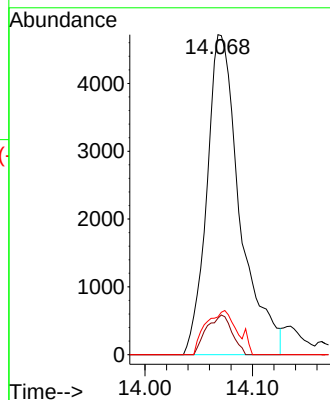
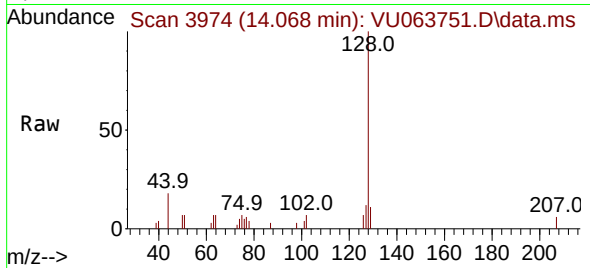




#71
Naphthalene
Concen: 0.326 ug/L
RT: 14.068 min Scan# 3972
Delta R.T. 0.006 min
Lab File: VU063751.D
Acq: 20 Nov 2025 10:20

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-08

Tgt Ion:128	Resp:	10061
Ion Ratio	Lower	Upper
128	100	
129	9.6	8.6 12.8
127	13.2	10.0 15.0



#72
1,2,3-Trichlorobenzene
Concen: 0.293 ug/L
RT: 14.309 min Scan# 4049
Delta R.T. 0.006 min
Lab File: VU063751.D
Acq: 20 Nov 2025 10:20

Tgt Ion:180	Resp:	5305
Ion Ratio	Lower	Upper
180	100	
182	96.2	75.7 113.5
145	35.4	27.1 40.7

