

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111925\
 Data File : VU063746.D
 Acq On : 19 Nov 2025 14:34
 Operator : MD/SY
 Sample : Q3589-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT4-2025-07

Quant Time: Nov 20 03:41:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111925WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 20 03:09:34 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.222	114	163184	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	163637	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	101385	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	88254	5.068	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.400%
7) Chloroethane-d5	1.895	69	77553	5.175	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.400%
11) 1,1-Dichloroethene-d2	2.541	65	42088	5.259	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.200%
20) 2-Butanone-d5	4.595	46	176578	58.378	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.760%
24) Chloroform-d	5.030	84	182145	5.028	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.600%
26) 1,2-Dichloroethane-d4	5.673	65	100079	5.357	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.200%
32) Benzene-d6	5.695	84	367603	5.384	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.600%
36) 1,2-Dichloropropane-d6	6.663	67	107540	5.574	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.400%
41) Toluene-d8	7.872	98	336777	5.116	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.400%
43) trans-1,3-Dichloroprop...	8.155	79	33344	5.138	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.800%
46) 2-Hexanone-d5	8.611	63	130067	57.666	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.340%
56) 1,1,2,2-Tetrachloroeth...	10.730	84	77985	5.350	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.000%
66) 1,2-Dichlorobenzene-d4	12.168	152	116060	5.289	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.800%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.374	85	2564	0.213	ug/L	98
3) Chloromethane	1.509	50	2253	0.241	ug/L	91
5) Vinyl chloride	1.589	62	3161	0.266	ug/L #	55
6) Bromomethane	1.840	94	1932	0.256	ug/L	81
8) Chloroethane	1.914	64	2361	0.270	ug/L	90
9) Trichlorofluoromethane	2.116	101	5249	0.225	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.554	101	4331	0.310	ug/L #	83
12) 1,1-Dichloroethene	2.551	96	3311	0.307	ug/L #	1
13) Acetone	2.608	43	6428	2.598	ug/L	99
14) Carbon disulfide	2.766	76	3799	0.256	ug/L #	92
15) Methyl Acetate	2.952	43	769	0.158	ug/L #	48
16) Methylene chloride	3.020	84	5582	0.372	ug/L	95
17) Methyl tert-butyl Ether	3.342	73	8493	0.237	ug/L	95
18) trans-1,2-Dichloroethene	3.329	96	1278	0.111	ug/L	81
19) 1,1-Dichloroethane	3.843	63	5950	0.220	ug/L	95
21) 2-Butanone	4.708	43	5632	1.659	ug/L	79
22) cis-1,2-Dichloroethene	4.634	96	3747	0.234	ug/L	97
23) Bromochloromethane	4.946	128	1546	0.232	ug/L	77
25) Chloroform	5.058	83	8891	0.283	ug/L	95

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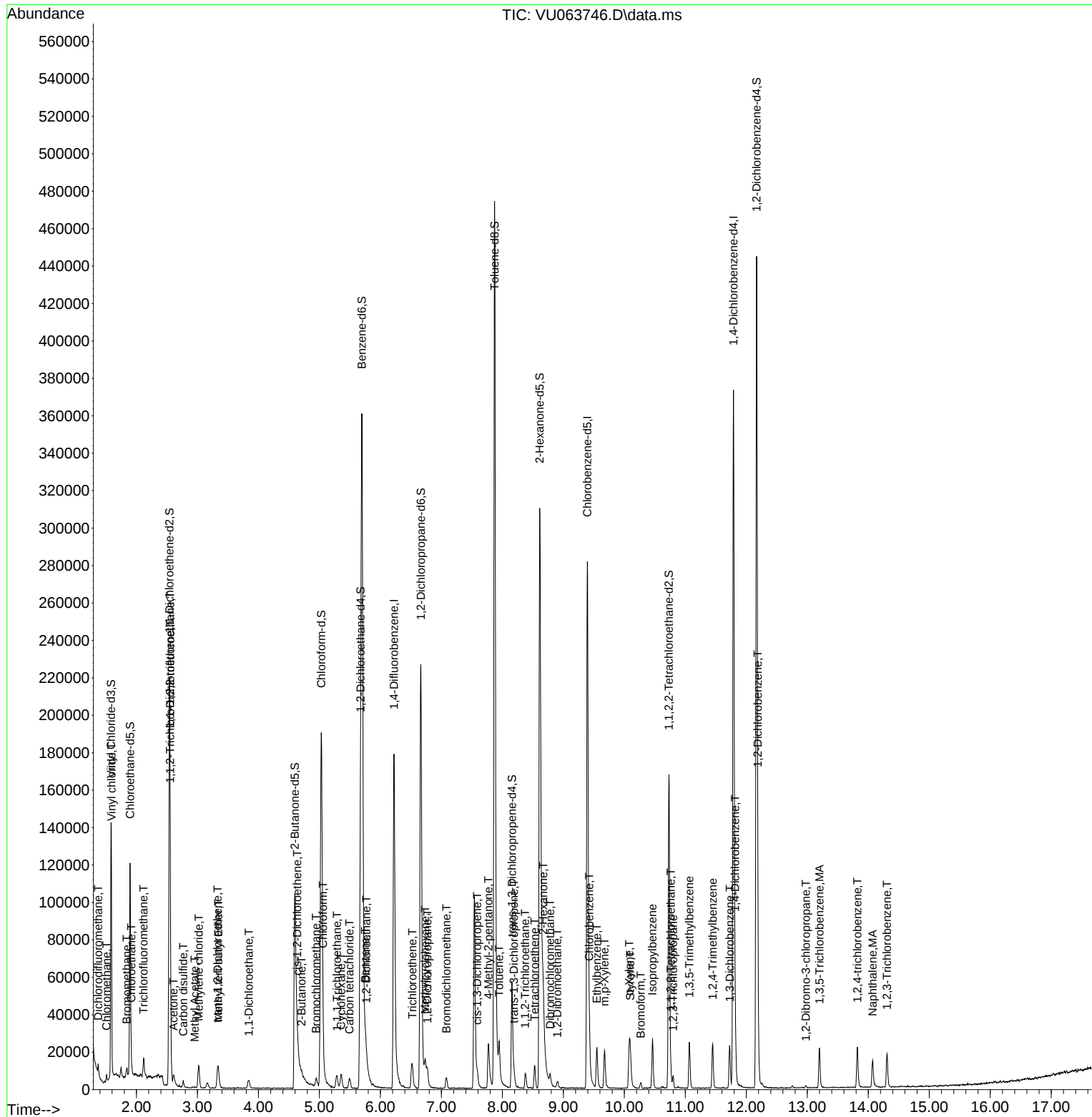
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.769	62	4303	0.233	ug/L #	93
29) 1,1,1-Trichloroethane	5.287	97	5426	0.232	ug/L	98
30) Cyclohexane	5.354	56	3856	0.223	ug/L	95
31) Carbon tetrachloride	5.493	117	3638	0.205	ug/L	100
33) Benzene	5.750	78	12879	0.236	ug/L	100
34) Trichloroethene	6.521	95	4001	0.246	ug/L	96
35) Methylcyclohexane	6.734	83	5608	0.304	ug/L #	78
37) 1,2-Dichloropropane	6.769	63	3718	0.242	ug/L #	85
38) Bromodichloromethane	7.081	83	4402	0.218	ug/L	99
39) cis-1,3-Dichloropropene	7.586	75	4947	0.247	ug/L	92
40) 4-Methyl-2-pentanone	7.769	43	19668	2.381	ug/L #	86
42) Toluene	7.946	91	13778	0.225	ug/L	89
44) trans-1,3-Dichloropropene	8.190	75	3723	0.245	ug/L	87
45) 1,1,2-Trichloroethane	8.373	97	3023	0.252	ug/L	91
47) Tetrachloroethene	8.528	164	2968	0.248	ug/L	81
48) 2-Hexanone	8.669	43	33855	5.655	ug/L #	89
49) Dibromochloromethane	8.782	129	2667	0.218	ug/L	85
50) 1,2-Dibromoethane	8.901	107	2469	0.238	ug/L #	92
51) Chlorobenzene	9.425	112	10858	0.241	ug/L	96
52) Ethylbenzene	9.550	91	17392	0.229	ug/L	98
53) m,p-Xylene	9.676	106	6510	0.227	ug/L	87
54) o-Xylene	10.081	106	6169	0.218	ug/L	80
55) Styrene	10.097	104	10274	0.221	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.759	83	3816	0.266	ug/L #	92
59) Bromoform	10.267	173	1271	0.207	ug/L #	85
60) Isopropylbenzene	10.460	105	17730	0.233	ug/L	98
61) 1,2,3-Trichloropropane	10.801	75	2603	0.273	ug/L	96
62) 1,3,5-Trimethylbenzene	11.065	105	14691	0.231	ug/L	97
63) 1,2,4-Trimethylbenzene	11.447	105	14015	0.227	ug/L	95
64) 1,3-Dichlorobenzene	11.727	146	9683	0.268	ug/L	89
65) 1,4-Dichlorobenzene	11.814	146	11184	0.306	ug/L	99
67) 1,2-Dichlorobenzene	12.187	146	9042	0.278	ug/L #	93
68) 1,2-Dibromo-3-chloropr...	12.975	75	363	0.207	ug/L #	84
69) 1,3,5-Trichlorobenzene	13.200	180	7058	0.267	ug/L	98
70) 1,2,4-trichlorobenzene	13.820	180	7459	0.356	ug/L	99
71) Naphthalene	14.071	128	14600	0.489	ug/L	98
72) 1,2,3-Trichlorobenzene	14.306	180	5836	0.333	ug/L	92

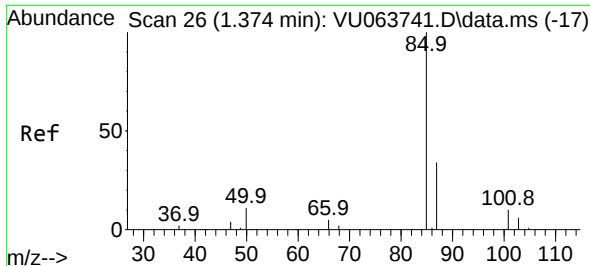
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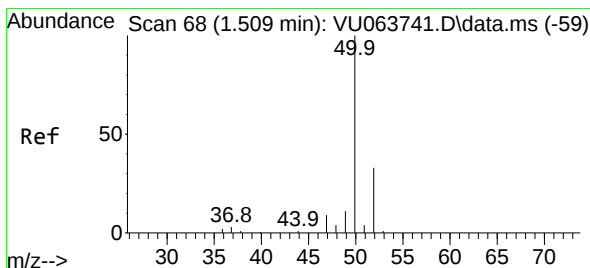
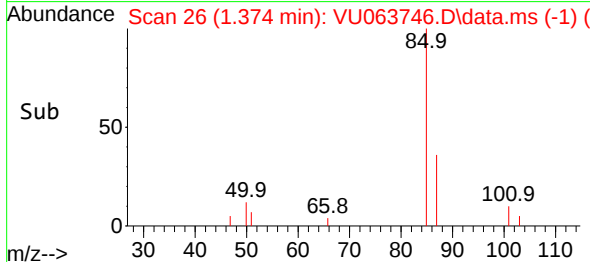
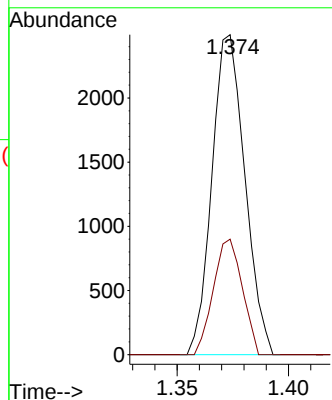
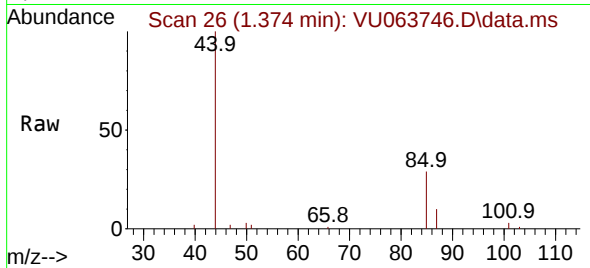




#2
 Dichlorodifluoromethane
 Concen: 0.213 ug/L
 RT: 1.374 min Scan# 26
 Delta R.T. 0.000 min
 Lab File: VU063746.D
 Acq: 19 Nov 2025 14:34

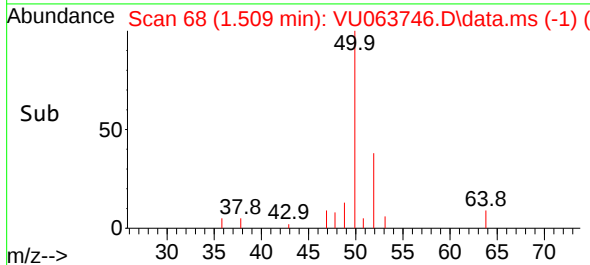
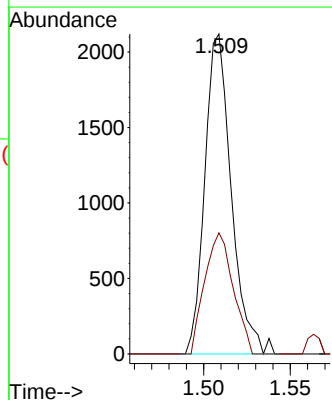
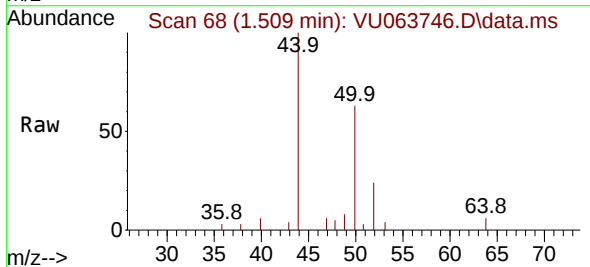
Instrument : MSVOA_U
 ClientSampleId : MDL-WATER-QT4-2025-07

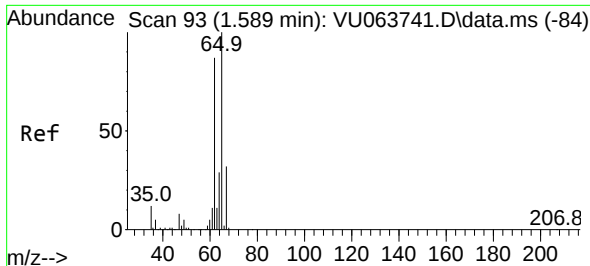
Tgt Ion: 85 Resp: 2564
 Ion Ratio Lower Upper
 85 100
 87 31.6 26.4 39.6



#3
 Chloromethane
 Concen: 0.241 ug/L
 RT: 1.509 min Scan# 68
 Delta R.T. 0.000 min
 Lab File: VU063746.D
 Acq: 19 Nov 2025 14:34

Tgt Ion: 50 Resp: 2253
 Ion Ratio Lower Upper
 50 100
 52 37.8 22.7 42.3

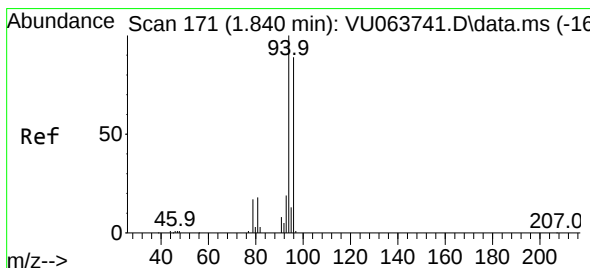
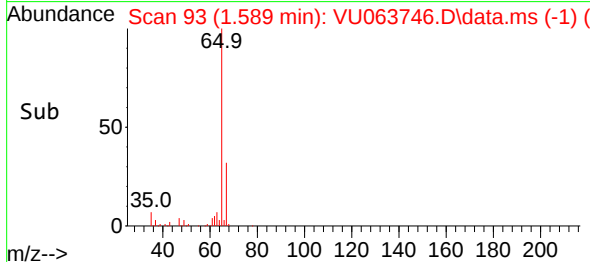
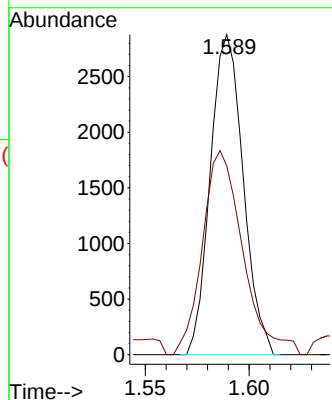
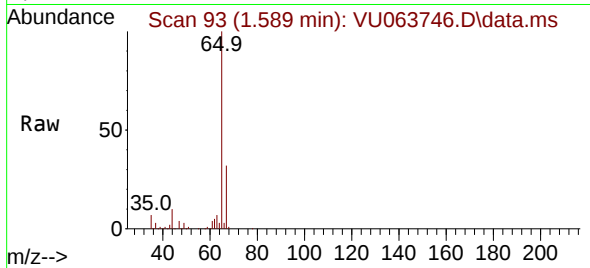




#5
 Vinyl chloride
 Concen: 0.266 ug/L
 RT: 1.589 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU063746.D
 Acq: 19 Nov 2025 14:34

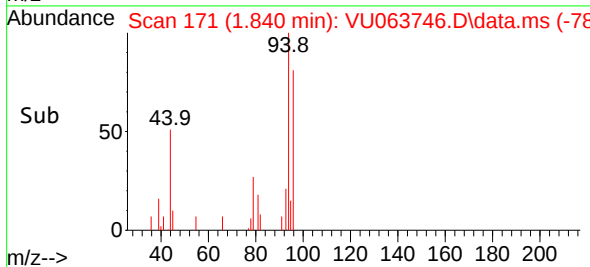
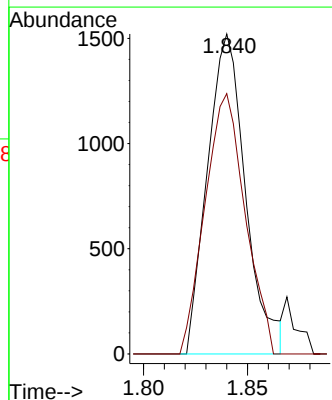
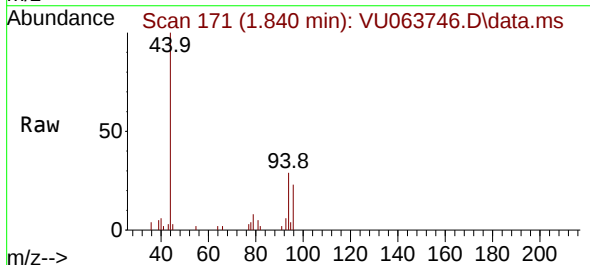
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT4-2025-07

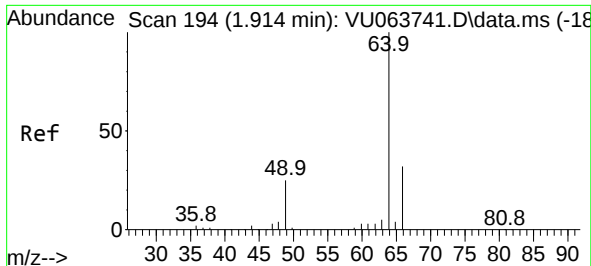
Tgt Ion: 62 Resp: 3161
 Ion Ratio Lower Upper
 62 100
 64 59.0 23.5 43.7#



#6
 Bromomethane
 Concen: 0.256 ug/L
 RT: 1.840 min Scan# 171
 Delta R.T. 0.000 min
 Lab File: VU063746.D
 Acq: 19 Nov 2025 14:34

Tgt Ion: 94 Resp: 1932
 Ion Ratio Lower Upper
 94 100
 96 70.9 62.1 115.3





#8

Chloroethane

Concen: 0.270 ug/L

RT: 1.914 min Scan# 194

Delta R.T. 0.000 min

Lab File: VU063746.D

Acq: 19 Nov 2025 14:34

Instrument :

MSVOA_U

ClientSampleId :

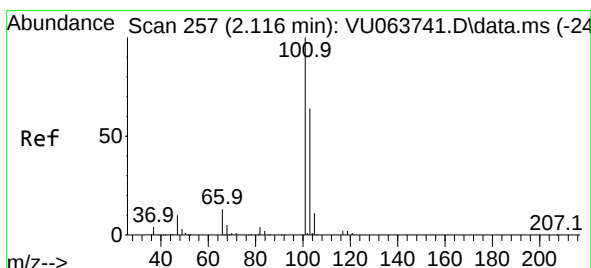
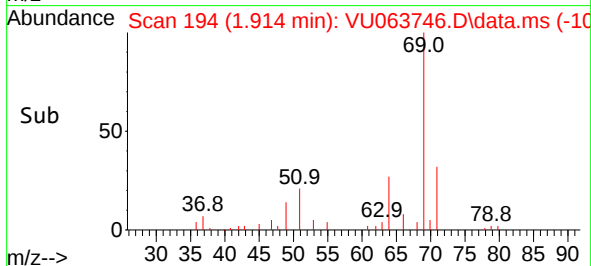
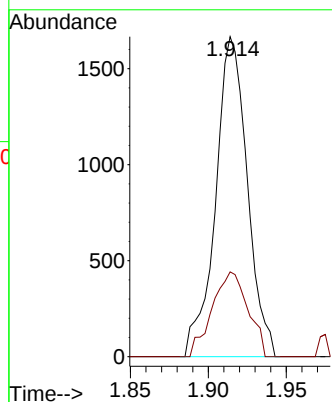
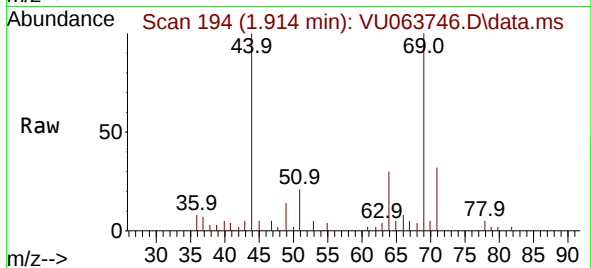
MDL-WATER-QT4-2025-07

Tgt Ion: 64 Resp: 2361

Ion Ratio Lower Upper

64 100

66 26.5 22.6 42.0



#9

Trichlorofluoromethane

Concen: 0.225 ug/L

RT: 2.116 min Scan# 257

Delta R.T. 0.000 min

Lab File: VU063746.D

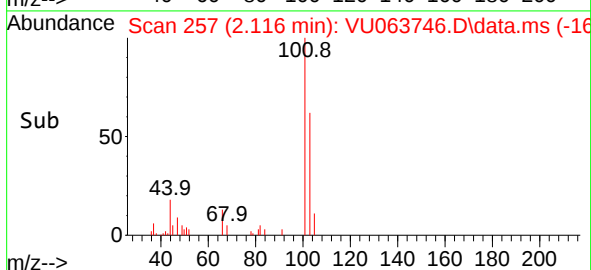
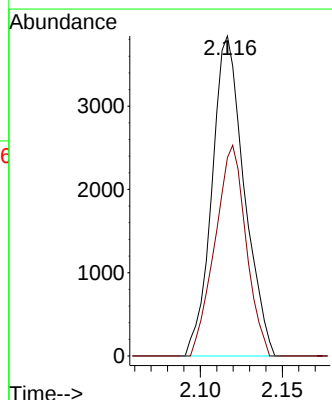
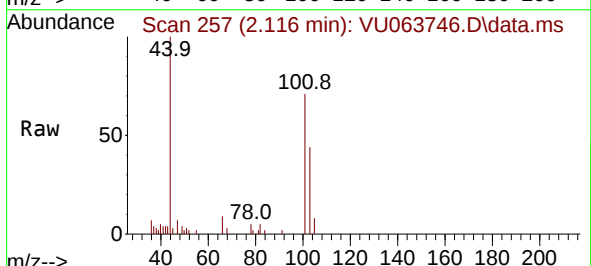
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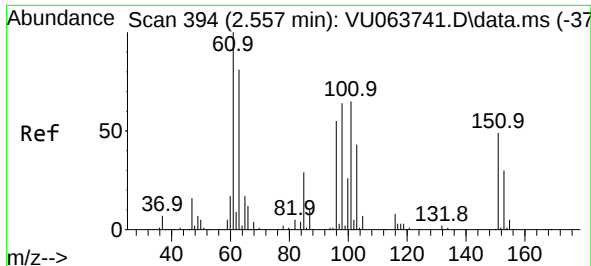
Tgt Ion:101 Resp: 5249

Ion Ratio Lower Upper

101 100

103 63.3 51.0 76.4

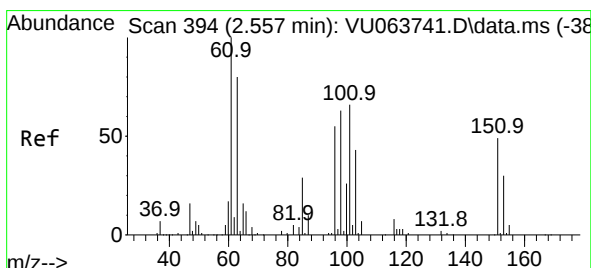
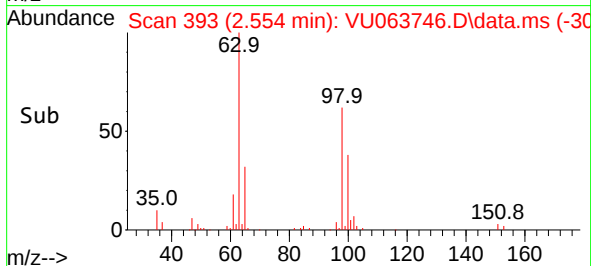
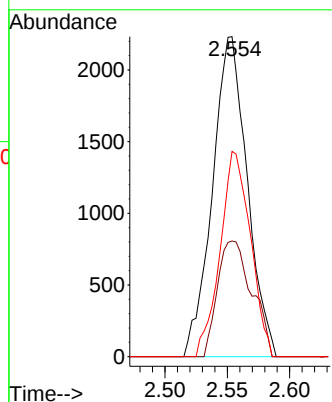
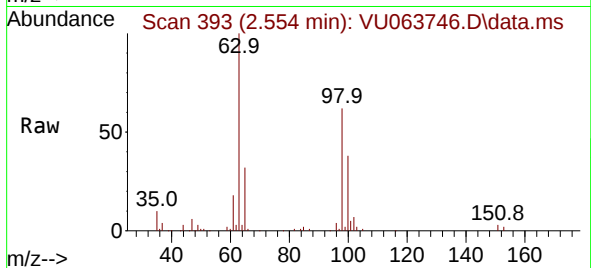




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.310 ug/L
 RT: 2.554 min Scan# 393
 Delta R.T. -0.003 min
 Lab File: VU063746.D
 Acq: 19 Nov 2025 14:34

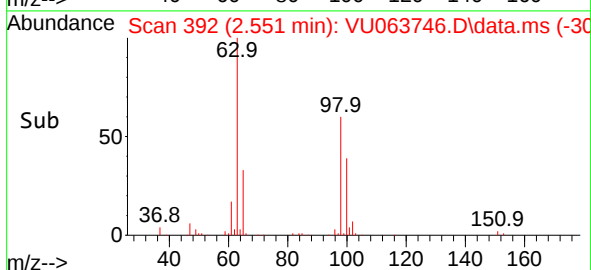
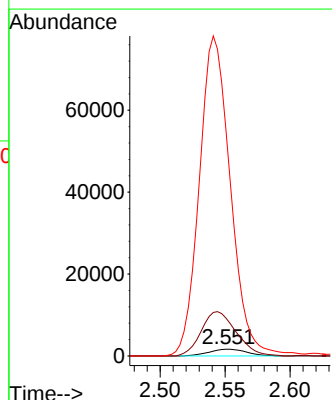
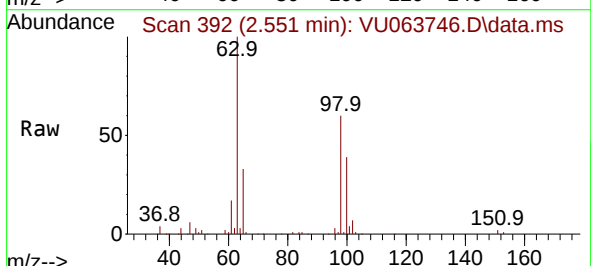
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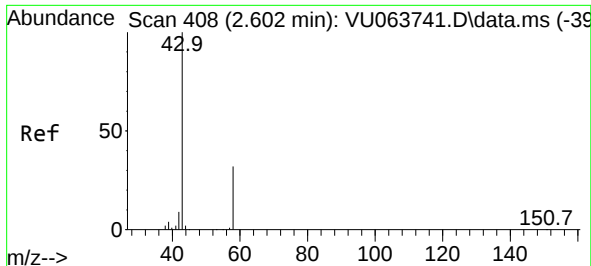
Tgt Ion: 101 Resp: 4331
 Ion Ratio Lower Upper
 101 100
 85 35.7 35.7 53.5
 151 56.0 58.1 87.1#



#12
 1,1-Dichloroethene
 Concen: 0.307 ug/L
 RT: 2.551 min Scan# 392
 Delta R.T. -0.006 min
 Lab File: VU063746.D
 Acq: 19 Nov 2025 14:34

Tgt Ion: 96 Resp: 3311
 Ion Ratio Lower Upper
 96 100
 61 564.0 126.6 235.2#
 63 3368.5 104.2 193.4#





#13

Acetone

Concen: 2.598 ug/L

RT: 2.608 min Scan# 410

Delta R.T. 0.007 min

Lab File: VU063746.D

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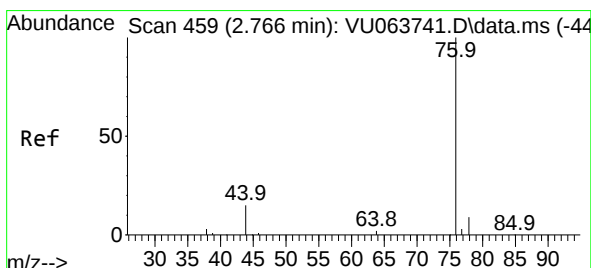
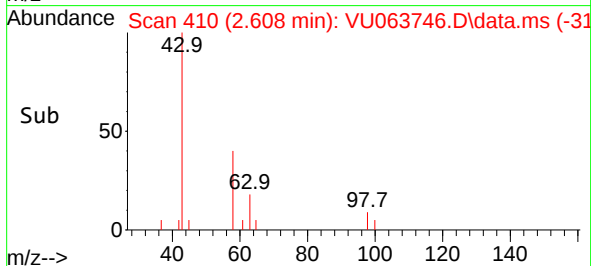
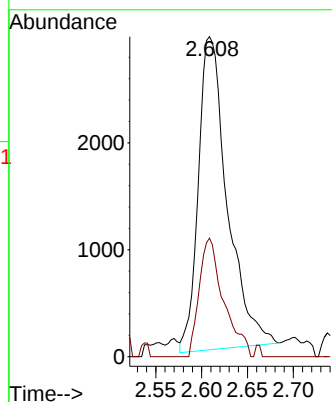
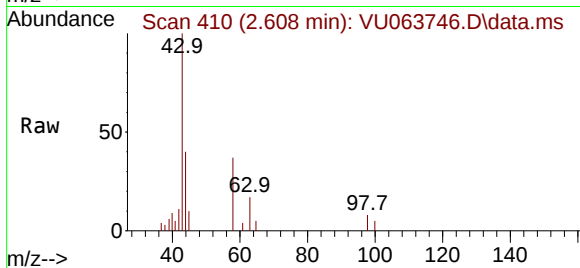
MDL-WATER-QT4-2025-07

Tgt Ion: 43 Resp: 6428

Ion Ratio Lower Upper

43 100

58 31.8 0.0 64.8



#14

Carbon disulfide

Concen: 0.256 ug/L

RT: 2.766 min Scan# 459

Delta R.T. 0.000 min

Lab File: VU063746.D

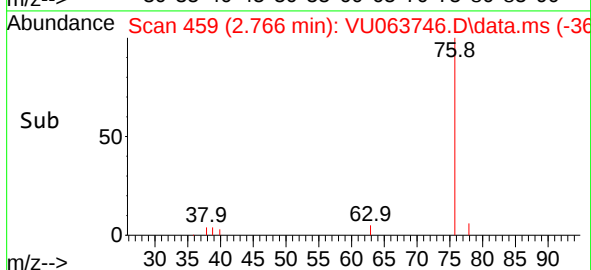
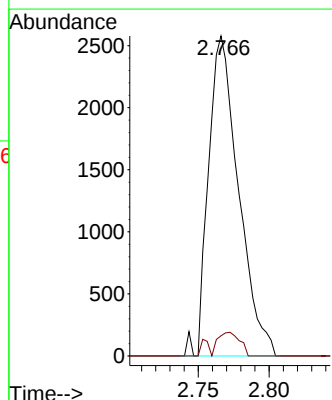
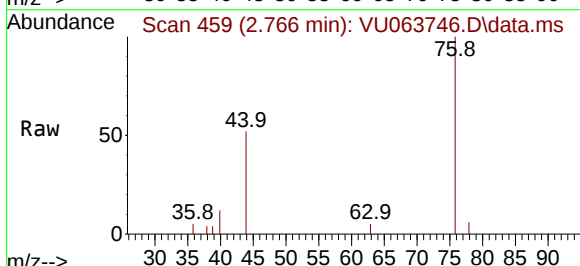
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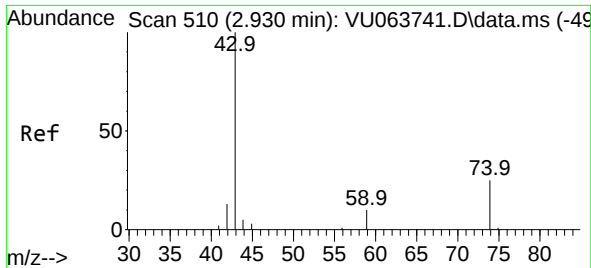
Tgt Ion: 76 Resp: 3799

Ion Ratio Lower Upper

76 100

78 6.3 7.4 11.2#

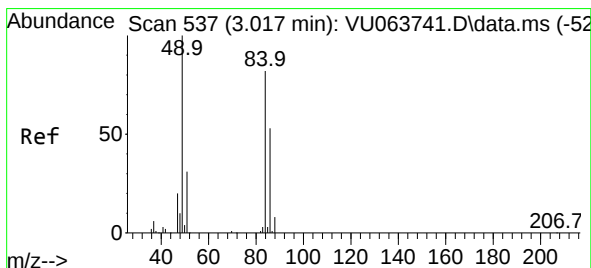
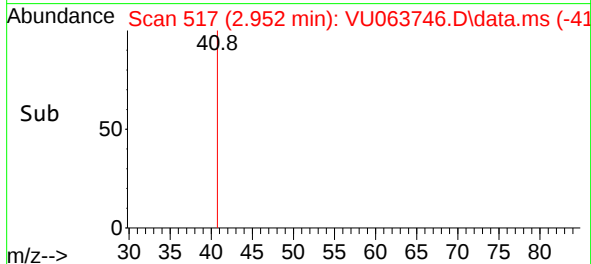
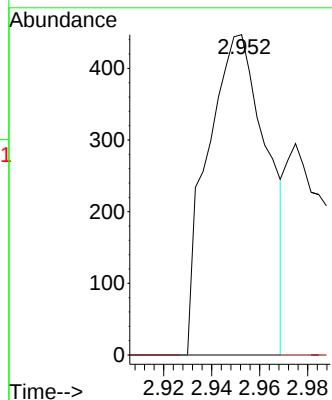
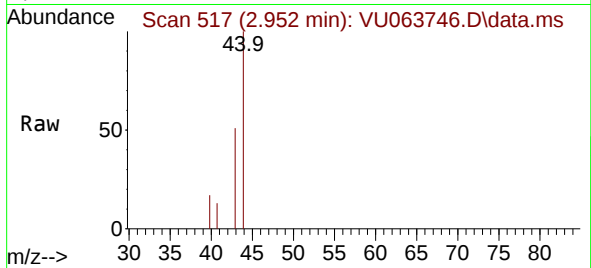




#15
Methyl Acetate
Concen: 0.158 ug/L
RT: 2.952 min Scan# 517
Delta R.T. 0.023 min
Lab File: VU063746.D
Acq: 19 Nov 2025 14:34

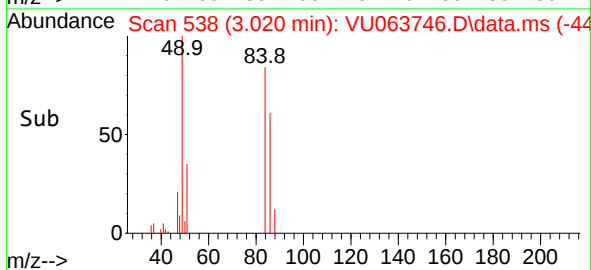
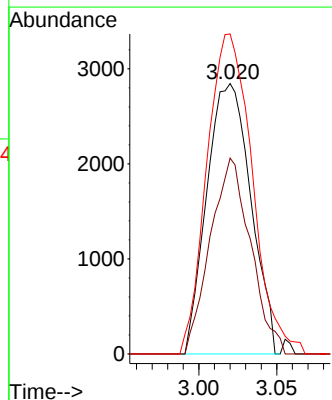
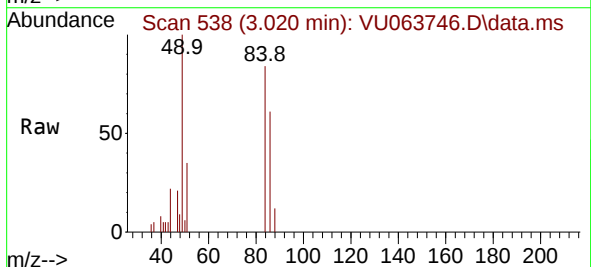
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-07

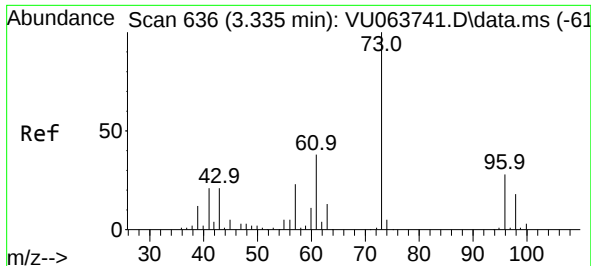
Tgt Ion: 43 Resp: 769
Ion Ratio Lower Upper
43 100
74 0.0 21.7 32.5#



#16
Methylene chloride
Concen: 0.372 ug/L
RT: 3.020 min Scan# 538
Delta R.T. 0.003 min
Lab File: VU063746.D
Acq: 19 Nov 2025 14:34

Tgt Ion: 84 Resp: 5582
Ion Ratio Lower Upper
84 100
86 72.4 45.1 83.9
49 118.3 85.2 158.2

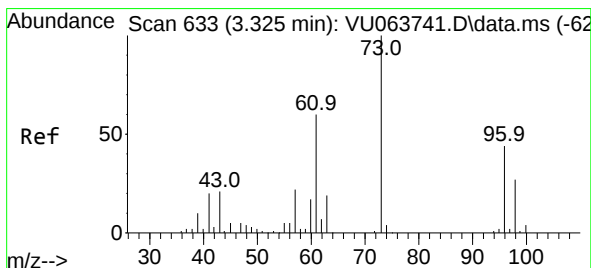
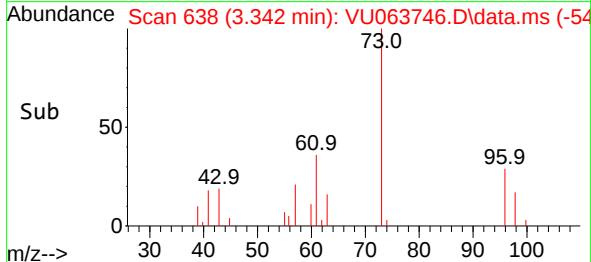
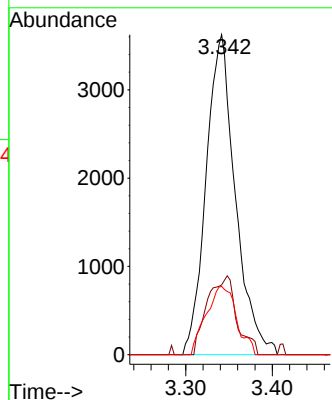
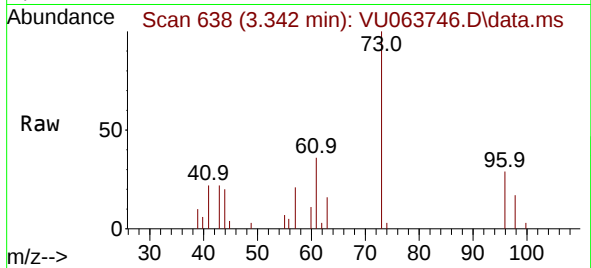




#17
Methyl tert-butyl Ether
Concen: 0.237 ug/L
RT: 3.342 min Scan# 61
Delta R.T. 0.007 min
Lab File: VU063746.D
Acq: 19 Nov 2025 14:34

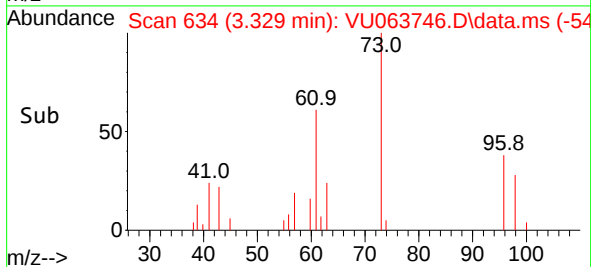
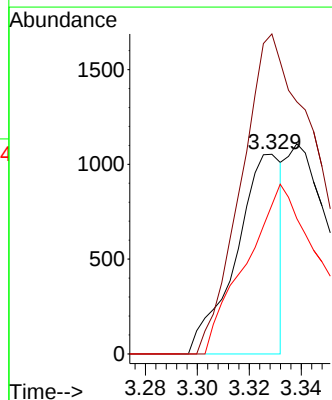
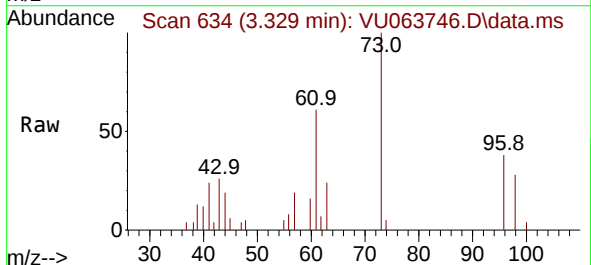
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-07

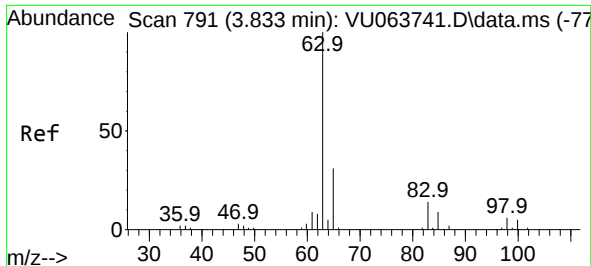
Tgt Ion: 73	Resp:	8493	
Ion	Ratio	Lower	Upper
73	100		
43	24.8	17.0	25.4
57	22.2	17.1	25.7



#18
trans-1,2-Dichloroethene
Concen: 0.111 ug/L
RT: 3.329 min Scan# 634
Delta R.T. 0.003 min
Lab File: VU063746.D
Acq: 19 Nov 2025 14:34

Tgt Ion: 96	Resp:	1278	
Ion	Ratio	Lower	Upper
96	100		
61	160.3	95.8	178.0
98	74.6	43.2	80.2





#19

1,1-Dichloroethane

Concen: 0.220 ug/L

RT: 3.843 min Scan# 791

Delta R.T. 0.010 min

Lab File: VU063746.D

Acq: 19 Nov 2025 14:34

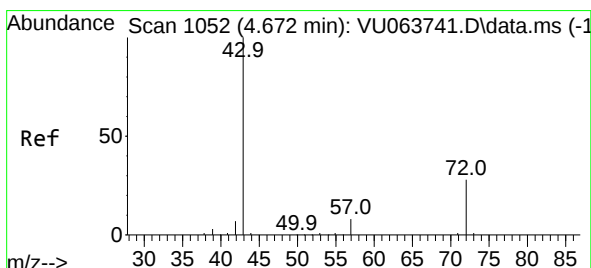
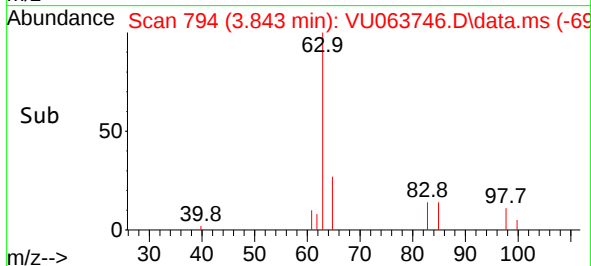
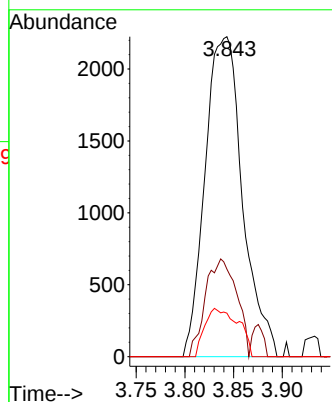
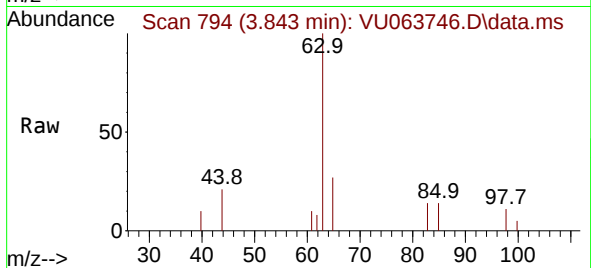
Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2025-07

Tgt Ion:	63	Resp:	5950
Ion	Ratio	Lower	Upper
63	100		
65	27.3	22.0	40.8
83	13.6	9.9	18.3



#21

2-Butanone

Concen: 1.659 ug/L

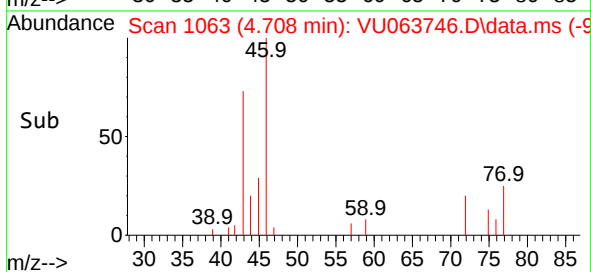
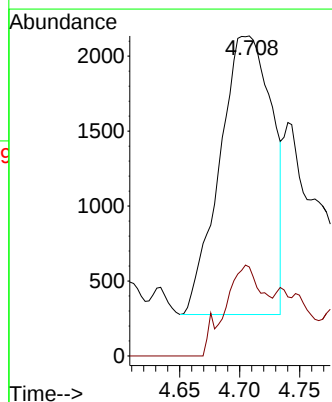
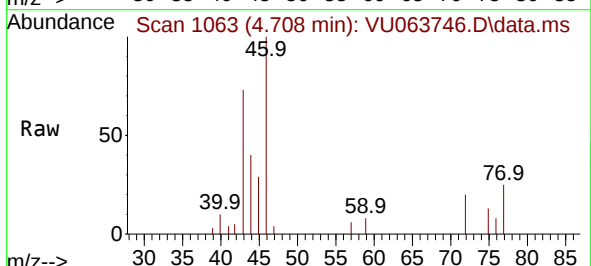
RT: 4.708 min Scan# 1063

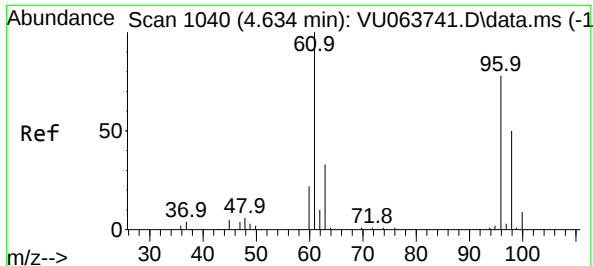
Delta R.T. 0.036 min

Lab File: VU063746.D

Acq: 19 Nov 2025 14:34

Tgt Ion:	43	Resp:	5632
Ion	Ratio	Lower	Upper
43	100		
72	16.4	13.6	40.8





#22

cis-1,2-Dichloroethene

Concen: 0.234 ug/L

RT: 4.634 min Scan# 110

Delta R.T. 0.000 min

Lab File: VU063746.D

Acq: 19 Nov 2025 14:34

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2025-07

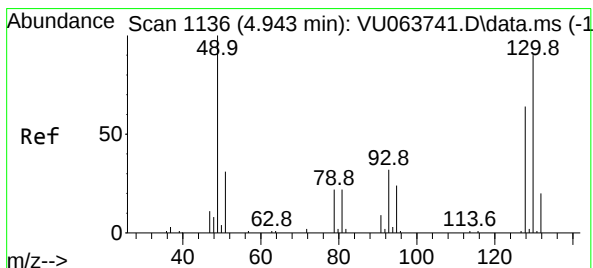
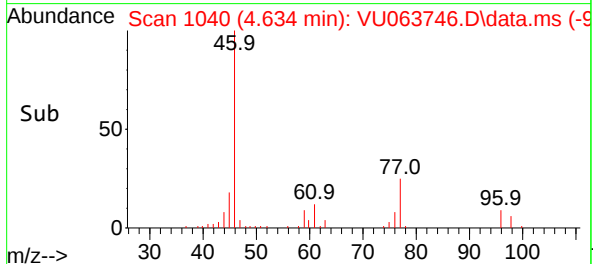
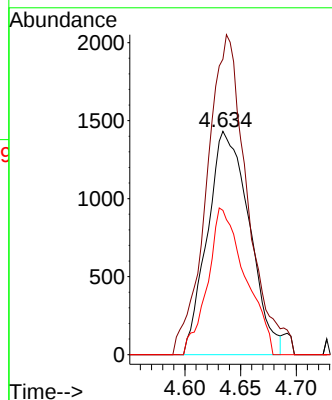
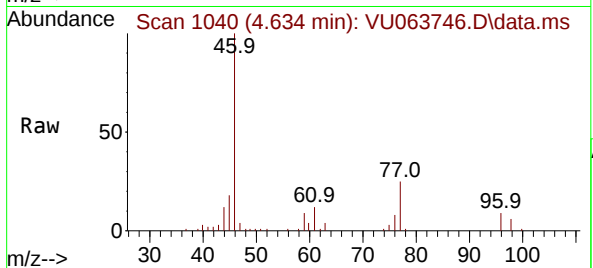
Tgt Ion: 96 Resp: 3747

Ion Ratio Lower Upper

96 100

61 132.4 89.5 166.1

98 64.6 44.6 82.8



#23

Bromochloromethane

Concen: 0.232 ug/L

RT: 4.946 min Scan# 1137

Delta R.T. 0.003 min

Lab File: VU063746.D

Acq: 19 Nov 2025 14:34

Tgt Ion:128 Resp: 1546

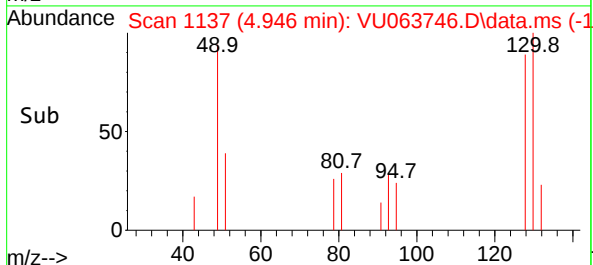
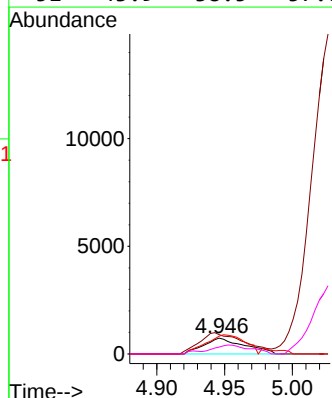
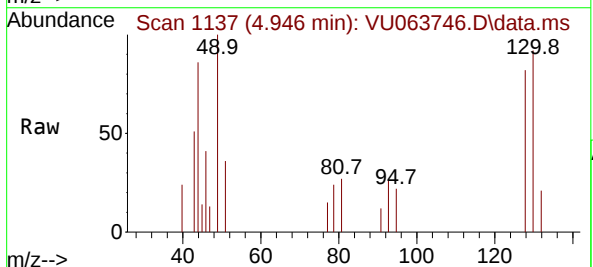
Ion Ratio Lower Upper

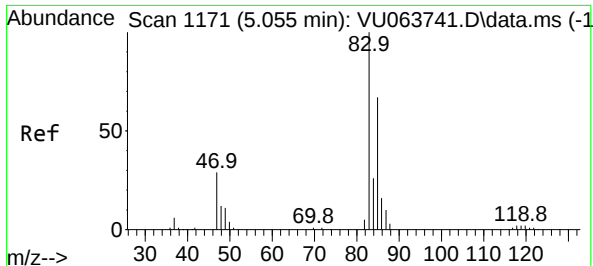
128 100

49 122.4 110.0 204.4

130 112.2 98.9 183.7

51 43.9 38.5 57.7





#25

Chloroform

Concen: 0.283 ug/L

RT: 5.058 min Scan# 1171

Delta R.T. 0.003 min

Lab File: VU063746.D

Acq: 19 Nov 2025 14:34

Instrument :

MSVOA_U

ClientSampleId :

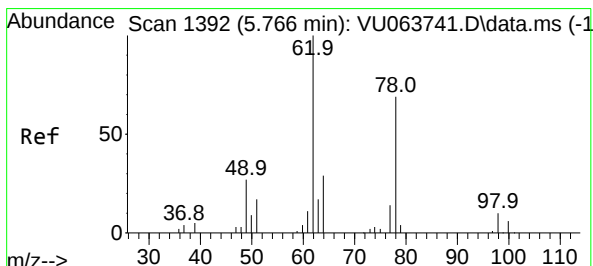
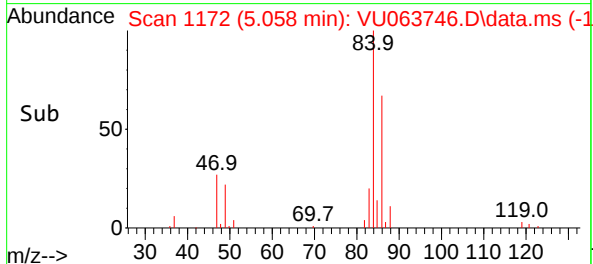
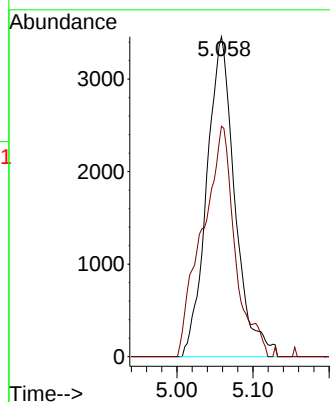
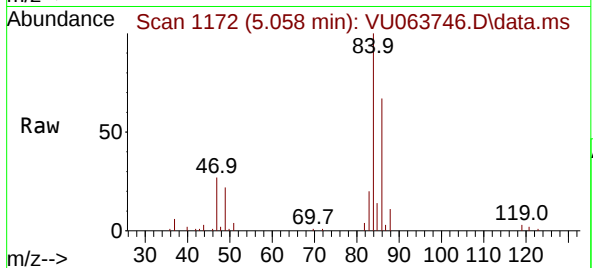
MDL-WATER-QT4-2025-07

Tgt Ion: 83 Resp: 8891

Ion Ratio Lower Upper

83 100

85 72.0 47.3 87.9



#27

1,2-Dichloroethane

Concen: 0.233 ug/L

RT: 5.769 min Scan# 1393

Delta R.T. 0.003 min

Lab File: VU063746.D

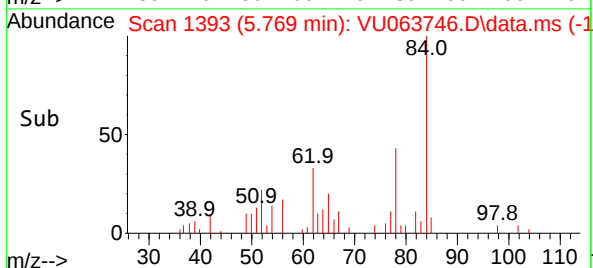
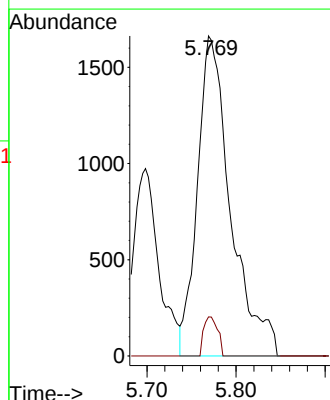
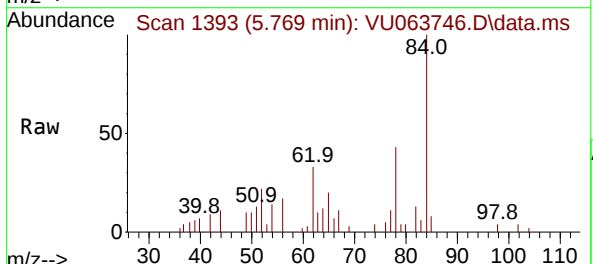
Acq: 19 Nov 2025 14:34

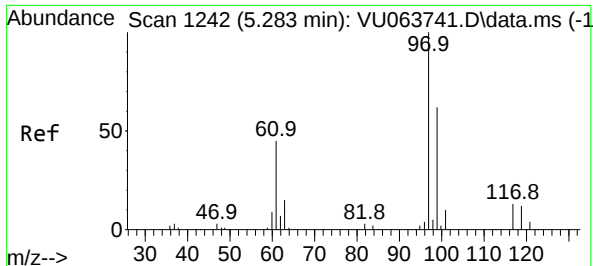
Tgt Ion: 62 Resp: 4303

Ion Ratio Lower Upper

62 100

98 12.2 7.6 11.4#





#29

1,1,1-Trichloroethane

Concen: 0.232 ug/L

RT: 5.287 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VU063746.D

Acq: 19 Nov 2025 14:34

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2025-07

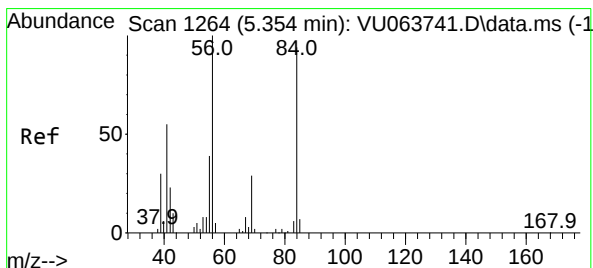
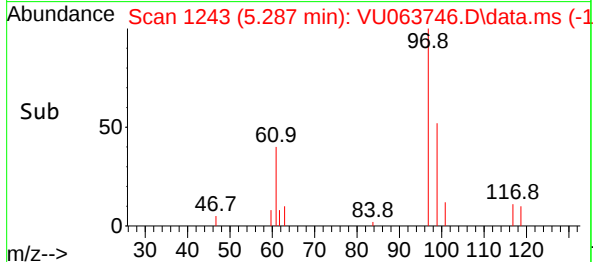
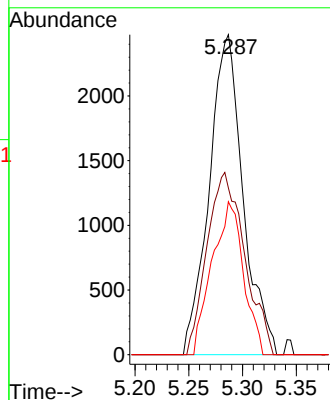
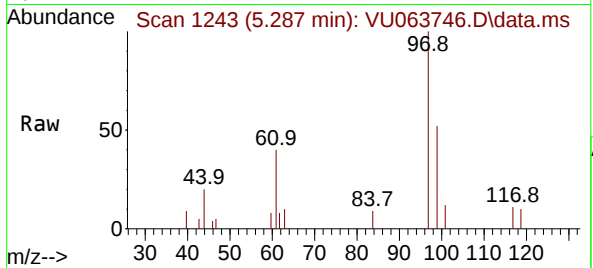
Tgt Ion: 97 Resp: 5426

Ion Ratio Lower Upper

97 100

99 63.4 51.4 77.2

61 44.1 37.4 56.2



#30

Cyclohexane

Concen: 0.223 ug/L

RT: 5.354 min Scan# 1264

Delta R.T. 0.000 min

Lab File: VU063746.D

Acq: 19 Nov 2025 14:34

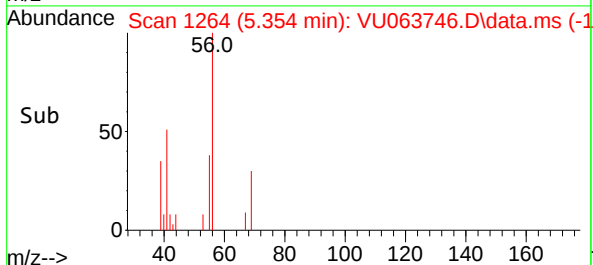
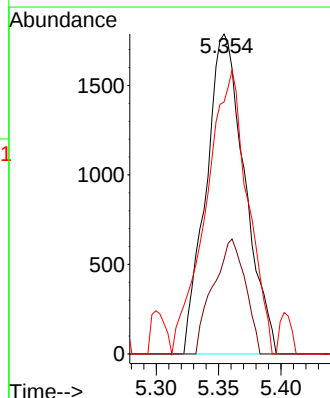
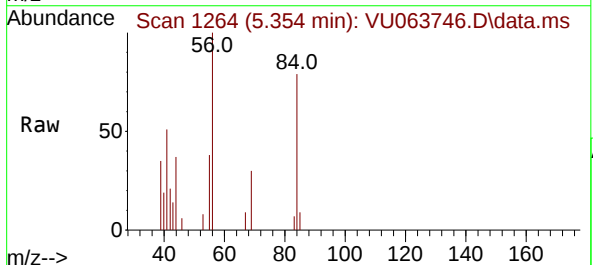
Tgt Ion: 56 Resp: 3856

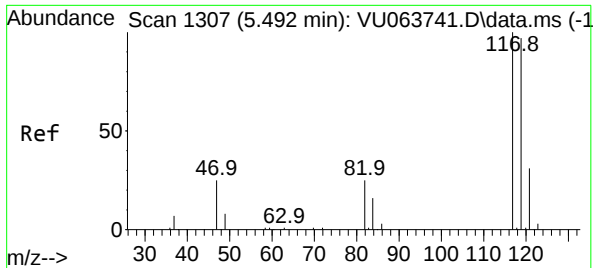
Ion Ratio Lower Upper

56 100

69 29.8 24.3 36.5

84 95.7 72.0 108.0

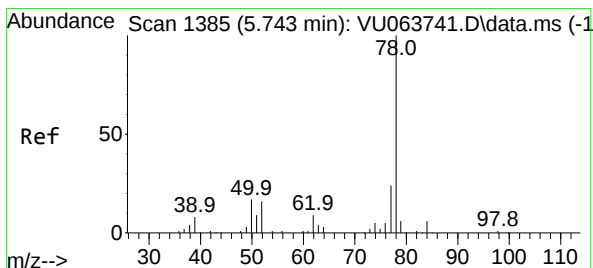
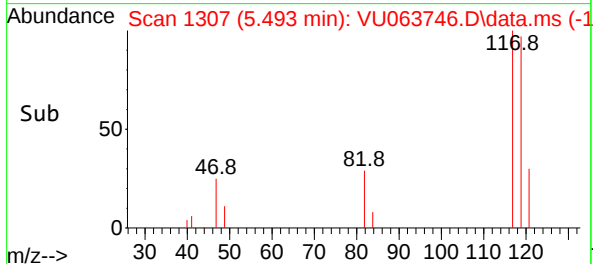
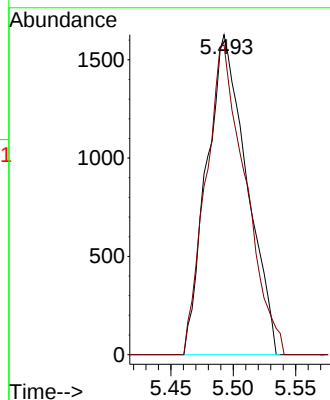
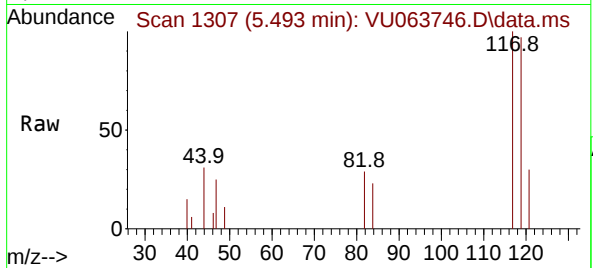




#31
Carbon tetrachloride
Concen: 0.205 ug/L
RT: 5.493 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU063746.D
Acq: 19 Nov 2025 14:34

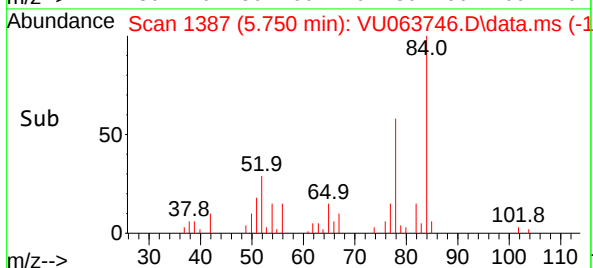
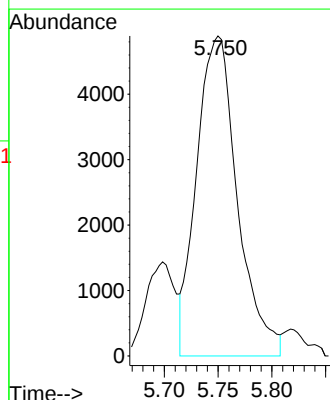
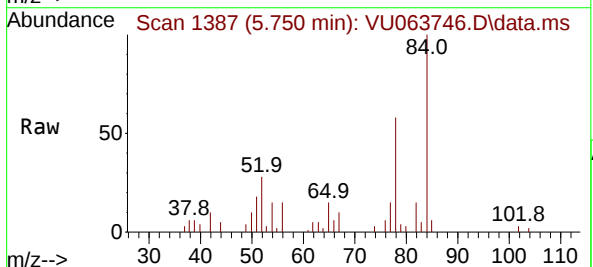
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-07

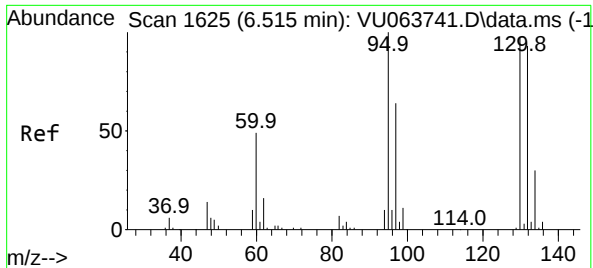
Tgt Ion:117 Resp: 3638
Ion Ratio Lower Upper
117 100
119 96.2 77.0 115.4



#33
Benzene
Concen: 0.236 ug/L
RT: 5.750 min Scan# 1387
Delta R.T. 0.007 min
Lab File: VU063746.D
Acq: 19 Nov 2025 14:34

Tgt Ion: 78 Resp: 12879



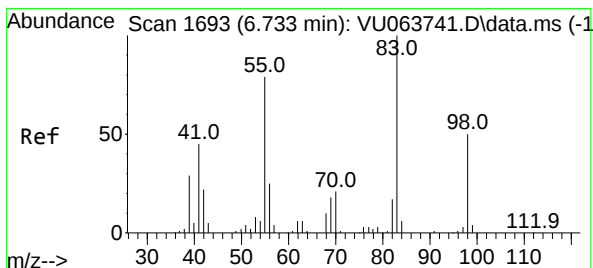
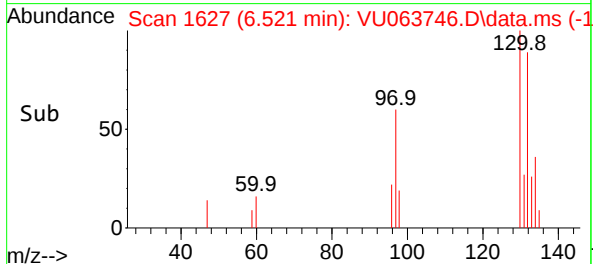
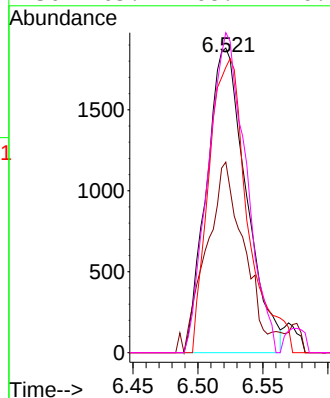
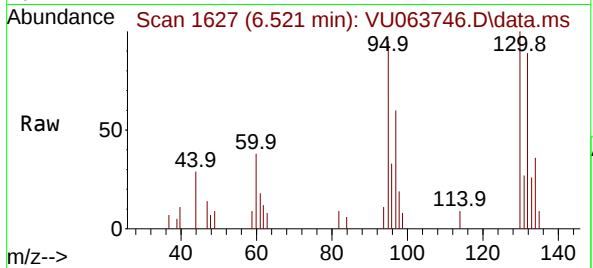


#34
Trichloroethene
Concen: 0.246 ug/L
RT: 6.521 min Scan# 1627
Delta R.T. 0.007 min
Lab File: VU063746.D
Acq: 19 Nov 2025 14:34

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-07

Tgt Ion: 95 Resp: 4001

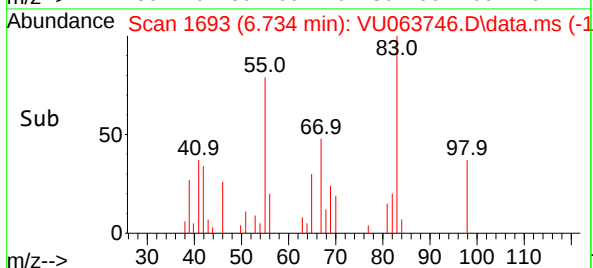
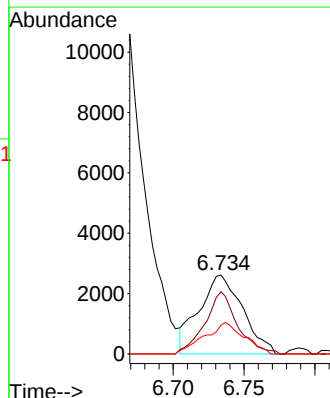
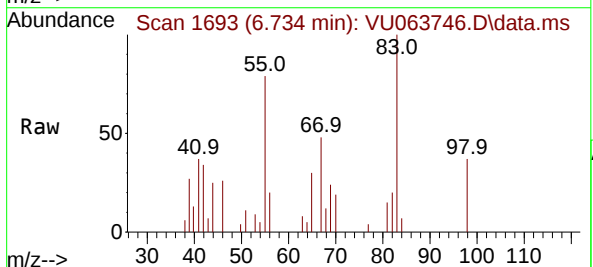
Ion	Ratio	Lower	Upper
95	100		
97	62.6	44.9	83.5
132	93.7	65.4	121.4
130	105.1	68.2	126.6

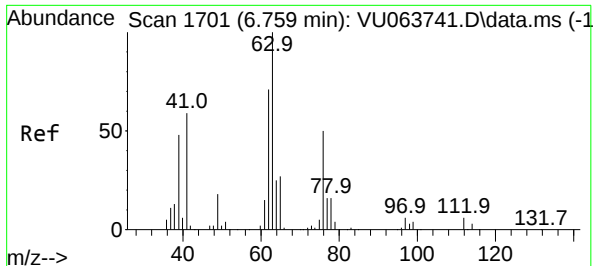


#35
Methylcyclohexane
Concen: 0.304 ug/L
RT: 6.734 min Scan# 1693
Delta R.T. 0.000 min
Lab File: VU063746.D
Acq: 19 Nov 2025 14:34

Tgt Ion: 83 Resp: 5608

Ion	Ratio	Lower	Upper
83	100		
55	58.5	62.5	93.7#
98	36.2	40.3	60.5#

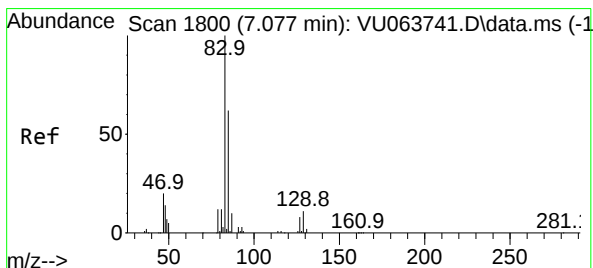
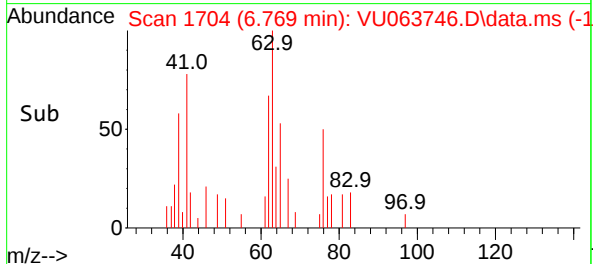
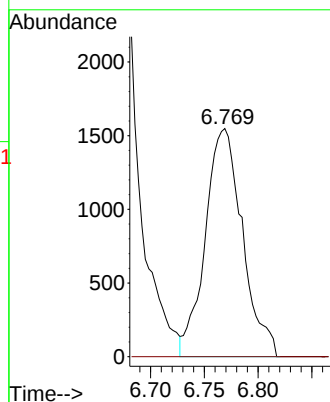
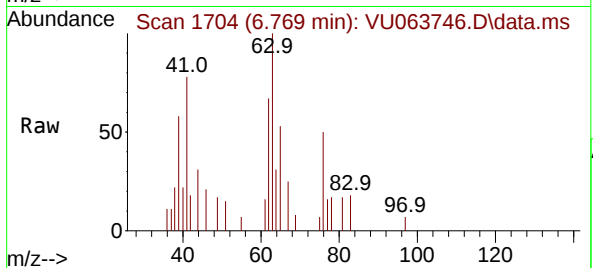




#37
1,2-Dichloropropane
Concen: 0.242 ug/L
RT: 6.769 min Scan# 11
Delta R.T. 0.010 min
Lab File: VU063746.D
Acq: 19 Nov 2025 14:34

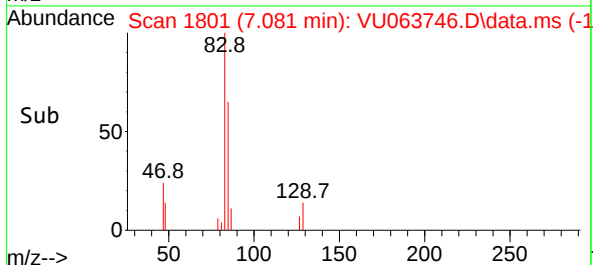
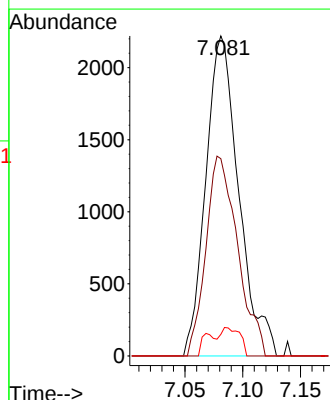
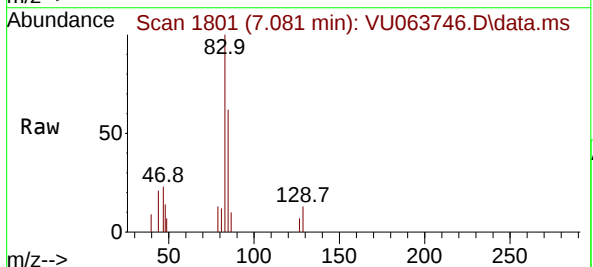
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-07

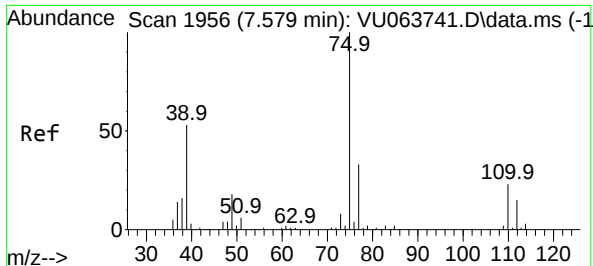
Tgt Ion: 63 Resp: 3718
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.8#



#38
Bromodichloromethane
Concen: 0.218 ug/L
RT: 7.081 min Scan# 1801
Delta R.T. 0.003 min
Lab File: VU063746.D
Acq: 19 Nov 2025 14:34

Tgt Ion: 83 Resp: 4402
Ion Ratio Lower Upper
83 100
85 61.7 43.7 81.1
127 6.8 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 0.247 ug/L

RT: 7.586 min Scan# 1956

Delta R.T. 0.007 min

Lab File: VU063746.D

Acq: 19 Nov 2025 14:34

Instrument :

MSVOA_U

ClientSampleId :

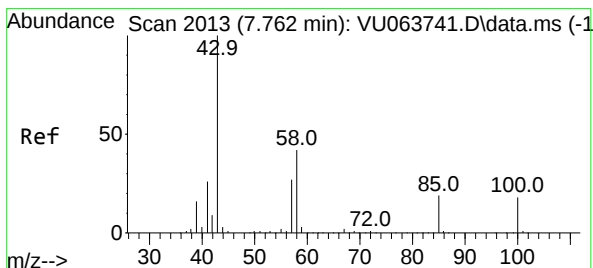
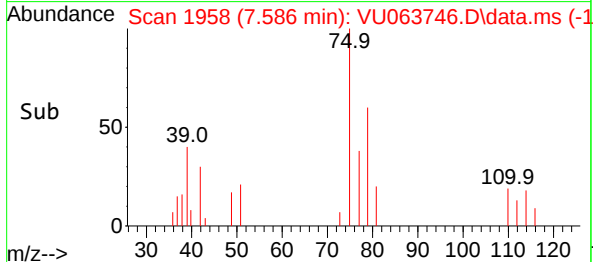
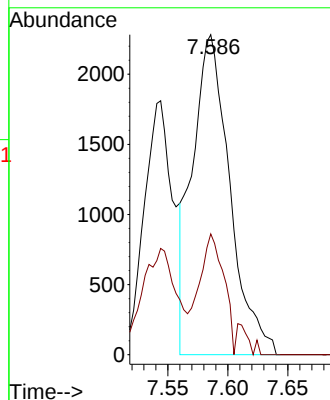
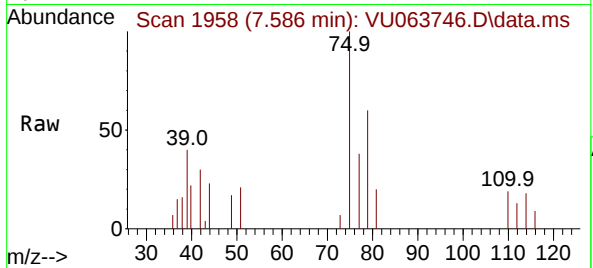
MDL-WATER-QT4-2025-07

Tgt Ion: 75 Resp: 4947

Ion Ratio Lower Upper

75 100

77 37.8 23.4 43.4



#40

4-Methyl-2-pentanone

Concen: 2.381 ug/L

RT: 7.769 min Scan# 2015

Delta R.T. 0.007 min

Lab File: VU063746.D

Acq: 19 Nov 2025 14:34

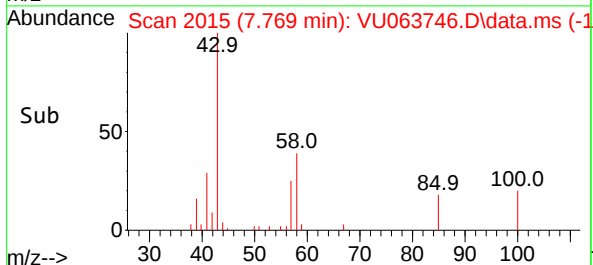
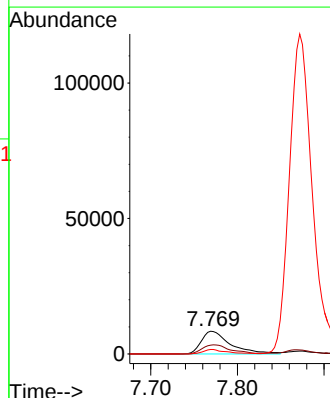
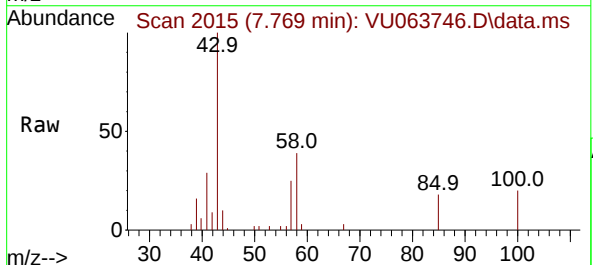
Tgt Ion: 43 Resp: 19668

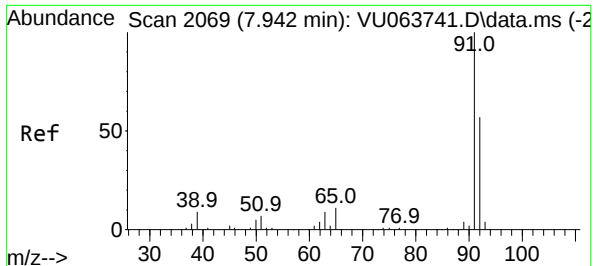
Ion Ratio Lower Upper

43 100

58 38.9 32.6 49.0

100 0.0 13.9 20.9#





#42

Toluene

Concen: 0.225 ug/L

RT: 7.946 min Scan# 2069

Delta R.T. 0.003 min

Lab File: VU063746.D

Acq: 19 Nov 2025 14:34

Instrument :

MSVOA_U

ClientSampleId :

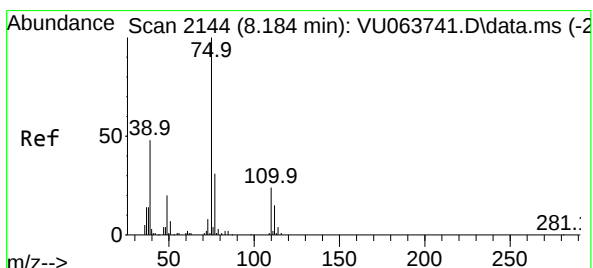
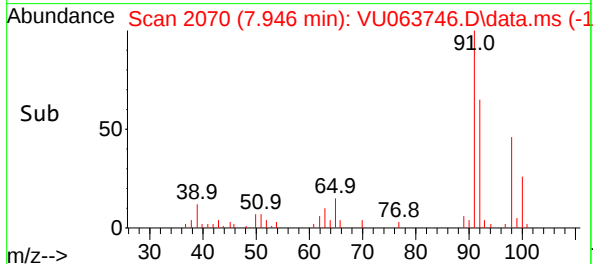
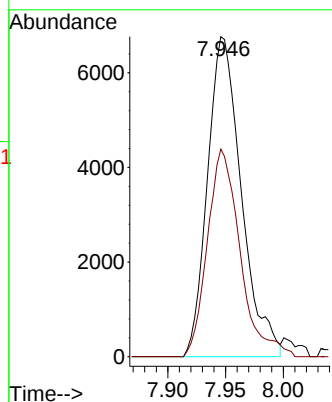
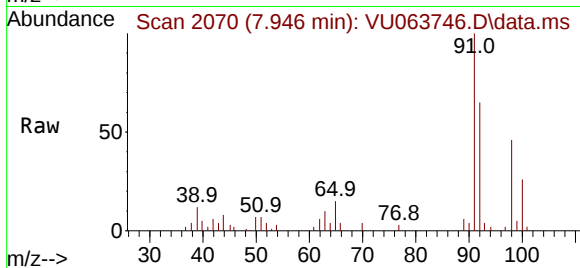
MDL-WATER-QT4-2025-07

Tgt Ion: 91 Resp: 13778

Ion Ratio Lower Upper

91 100

92 64.8 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 0.245 ug/L

RT: 8.190 min Scan# 2146

Delta R.T. 0.007 min

Lab File: VU063746.D

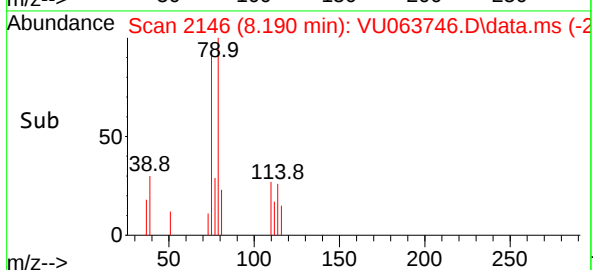
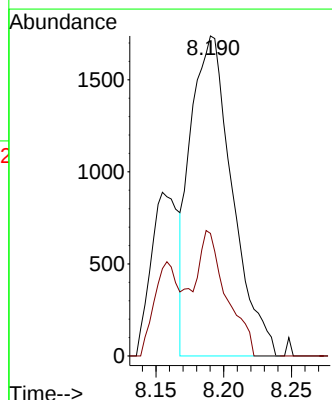
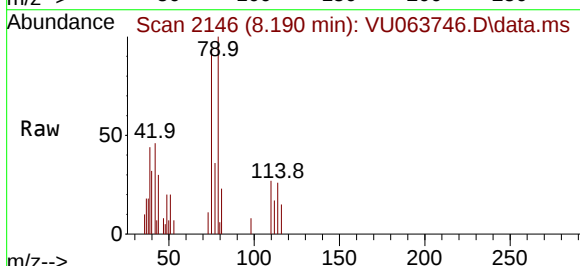
Acq: 19 Nov 2025 14:34

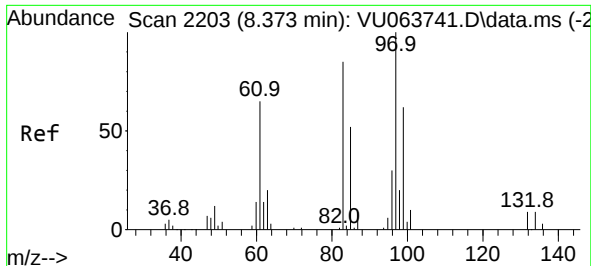
Tgt Ion: 75 Resp: 3723

Ion Ratio Lower Upper

75 100

77 38.3 21.7 40.3

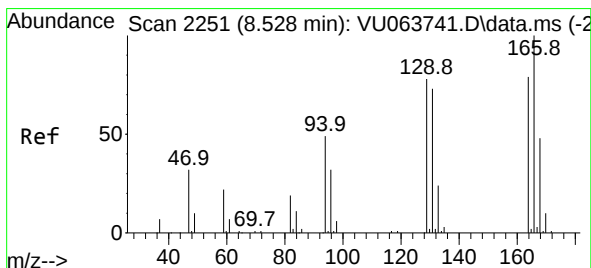
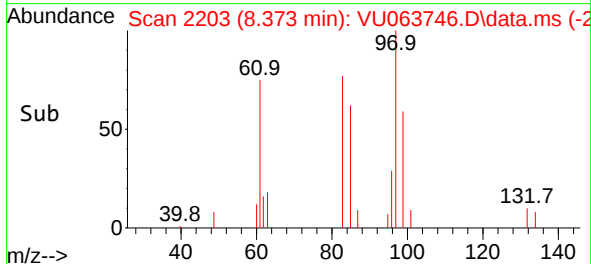
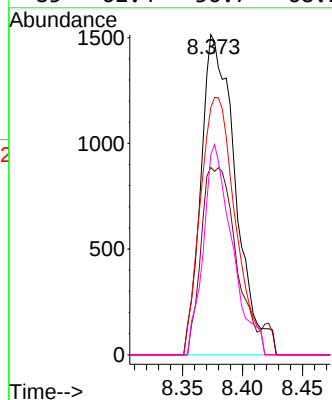
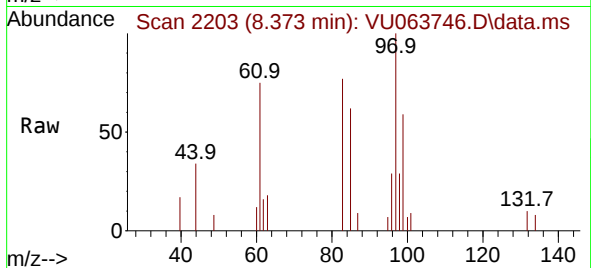




#45
1,1,2-Trichloroethane
Concen: 0.252 ug/L
RT: 8.373 min Scan# 2203
Delta R.T. 0.000 min
Lab File: VU063746.D
Acq: 19 Nov 2025 14:34

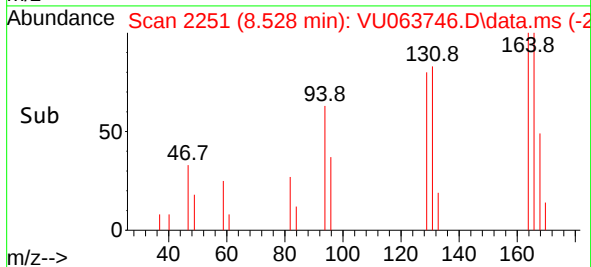
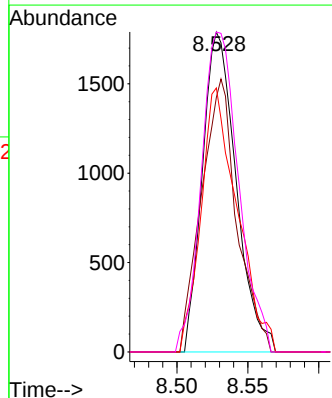
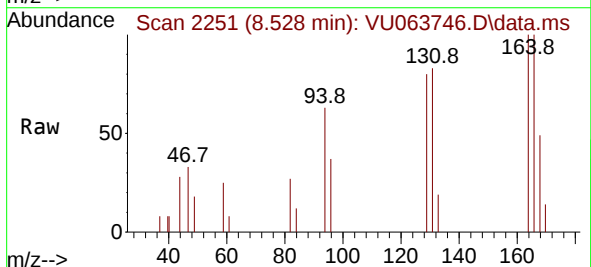
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT4-2025-07

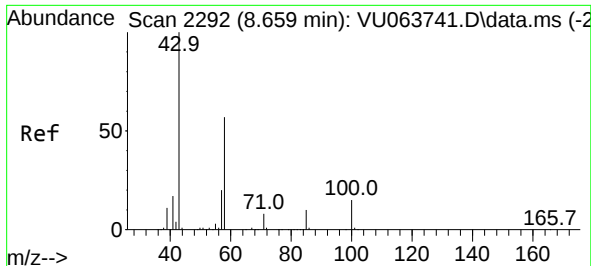
Tgt Ion: 97	Resp: 3023
Ion Ratio	Lower Upper
97 100	
99 58.5	43.4 80.6
83 77.1	59.4 110.2
85 62.4	36.7 68.1



#47
Tetrachloroethene
Concen: 0.248 ug/L
RT: 8.528 min Scan# 2251
Delta R.T. 0.000 min
Lab File: VU063746.D
Acq: 19 Nov 2025 14:34

Tgt Ion:164	Resp: 2968
Ion Ratio	Lower Upper
164 100	
129 79.6	69.5 129.1
131 82.6	65.2 121.2
166 100.1	89.0 165.2

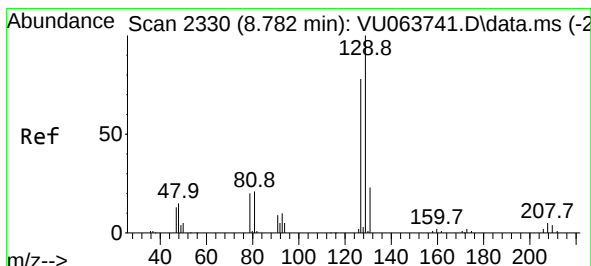
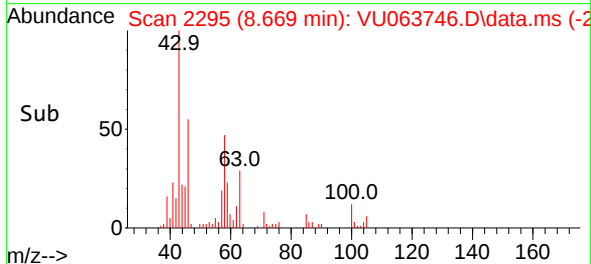
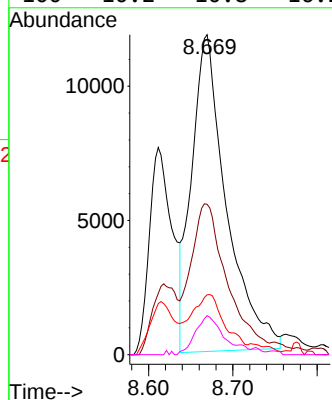
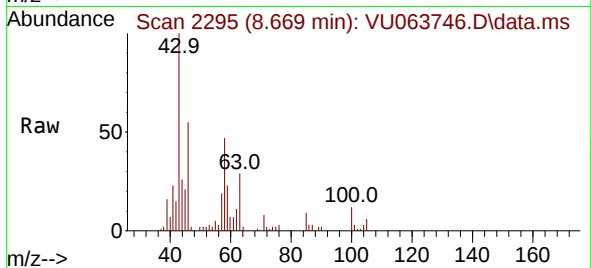




#48
2-Hexanone
Concen: 5.655 ug/L
RT: 8.669 min Scan# 21
Delta R.T. 0.010 min
Lab File: VU063746.D
Acq: 19 Nov 2025 14:34

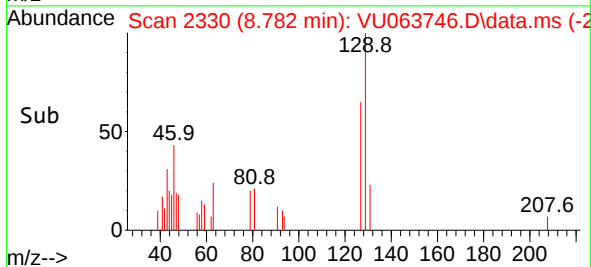
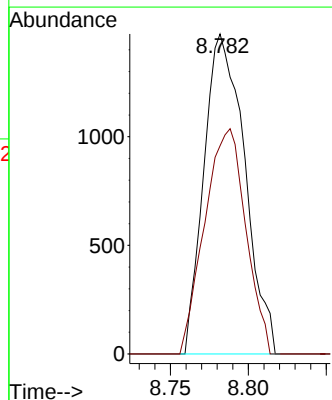
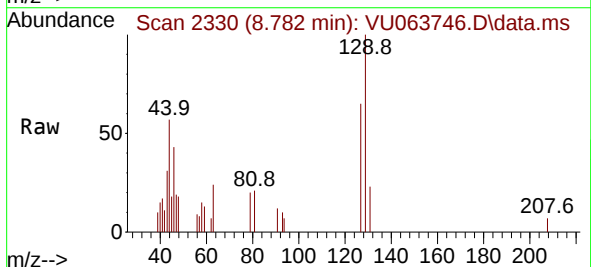
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-07

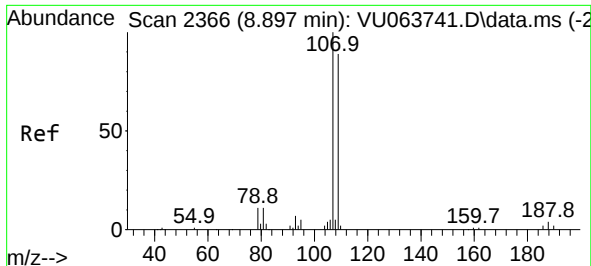
Tgt Ion: 43 Resp: 33855
Ion Ratio Lower Upper
43 100
58 45.4 43.3 64.9
57 14.9 16.2 24.2#
100 10.2 10.8 16.2#



#49
Dibromochloromethane
Concen: 0.218 ug/L
RT: 8.782 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VU063746.D
Acq: 19 Nov 2025 14:34

Tgt Ion:129 Resp: 2667
Ion Ratio Lower Upper
129 100
127 65.0 54.9 102.1

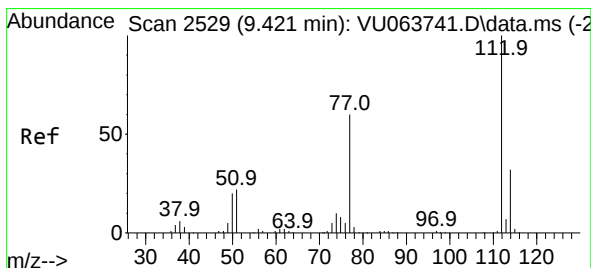
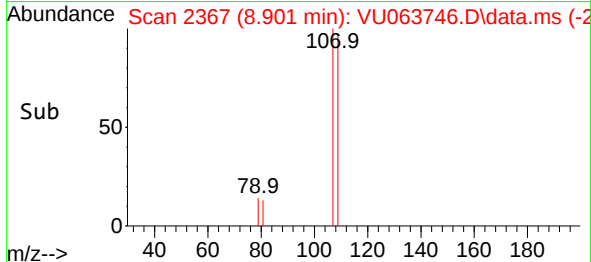
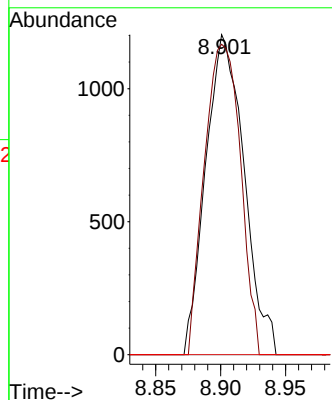
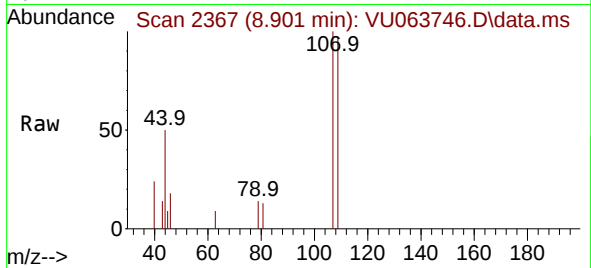




#50
1,2-Dibromoethane
Concen: 0.238 ug/L
RT: 8.901 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063746.D
Acq: 19 Nov 2025 14:34

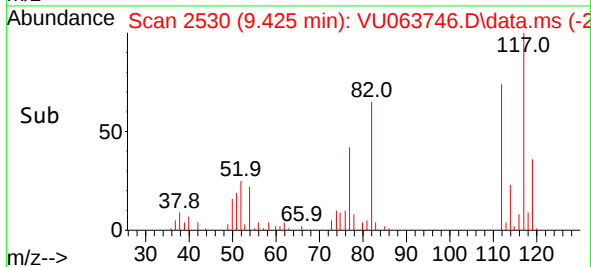
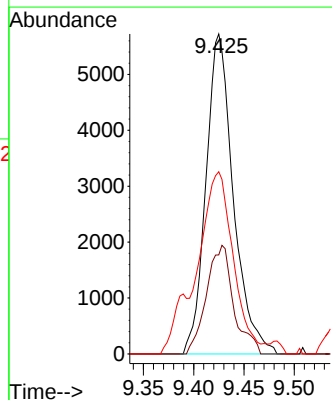
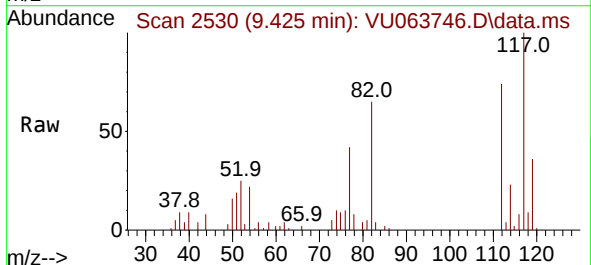
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-07

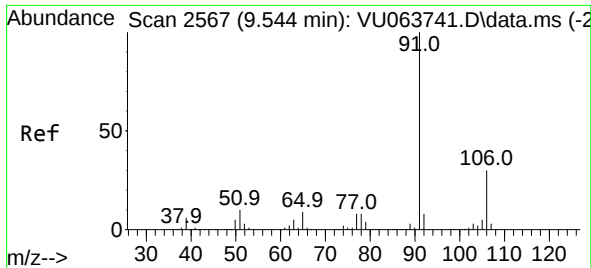
Tgt Ion:107 Resp: 2469
Ion Ratio Lower Upper
107 100
109 97.0 62.6 116.3
188 0.0 2.8 4.2#



#51
Chlorobenzene
Concen: 0.241 ug/L
RT: 9.425 min Scan# 2530
Delta R.T. 0.003 min
Lab File: VU063746.D
Acq: 19 Nov 2025 14:34

Tgt Ion:112 Resp: 10858
Ion Ratio Lower Upper
112 100
114 30.9 22.4 41.6
77 57.0 48.3 72.5

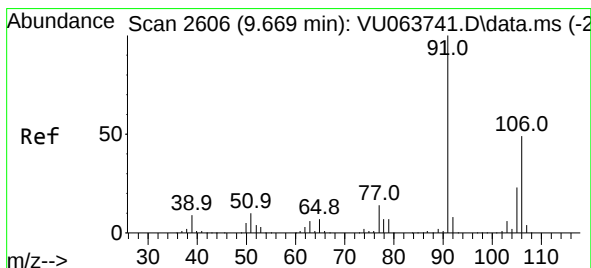
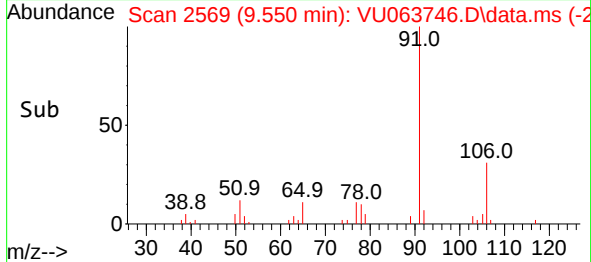
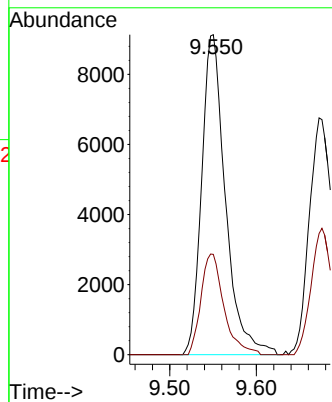
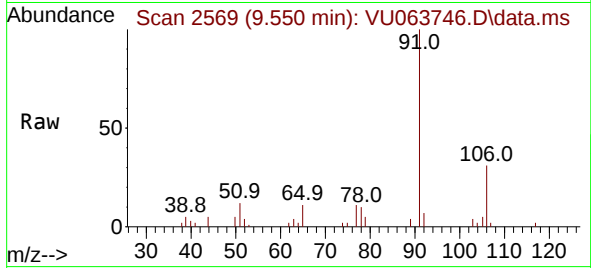




#52
Ethylbenzene
Concen: 0.229 ug/L
RT: 9.550 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU063746.D
Acq: 19 Nov 2025 14:34

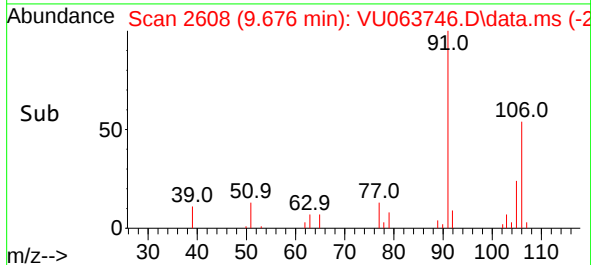
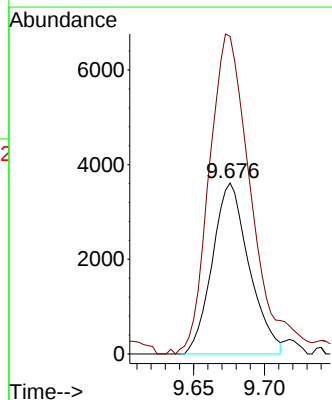
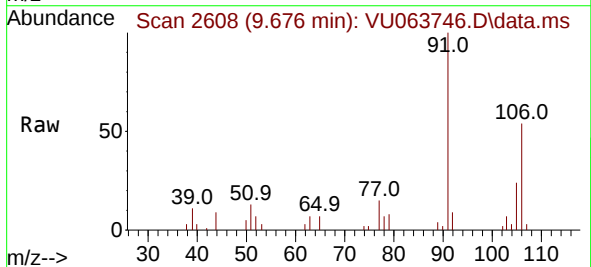
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-07

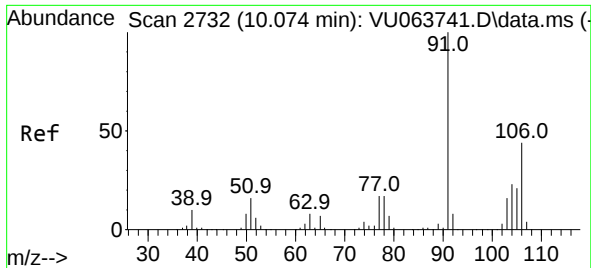
Tgt Ion: 91 Resp: 17392
Ion Ratio Lower Upper
91 100
106 31.3 21.1 39.3



#53
m,p-Xylene
Concen: 0.227 ug/L
RT: 9.676 min Scan# 2608
Delta R.T. 0.007 min
Lab File: VU063746.D
Acq: 19 Nov 2025 14:34

Tgt Ion: 106 Resp: 6510
Ion Ratio Lower Upper
106 100
91 185.9 144.5 268.3

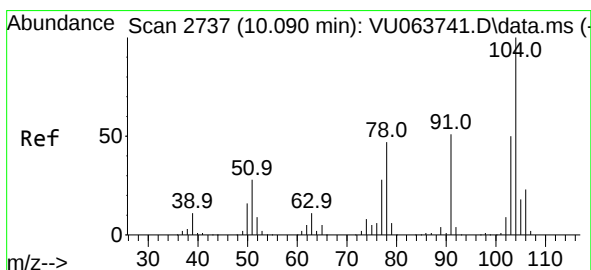
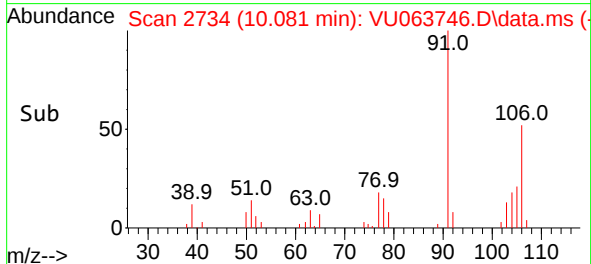
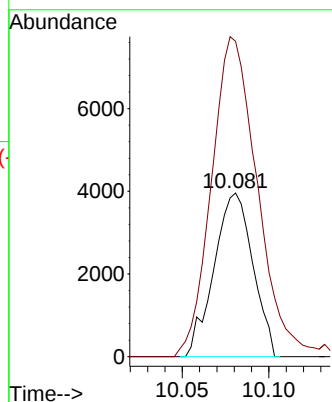
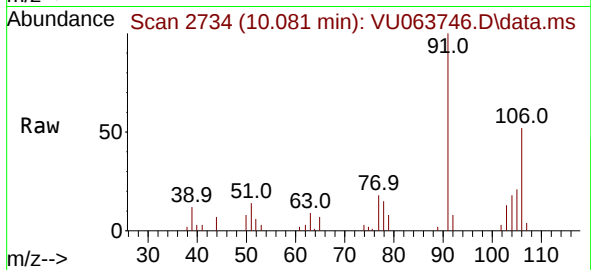




#54
o-Xylene
Concen: 0.218 ug/L
RT: 10.081 min Scan# 2733
Delta R.T. 0.007 min
Lab File: VU063746.D
Acq: 19 Nov 2025 14:34

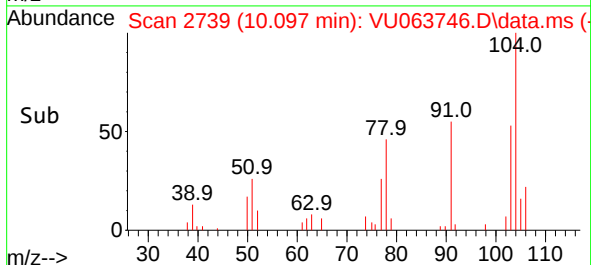
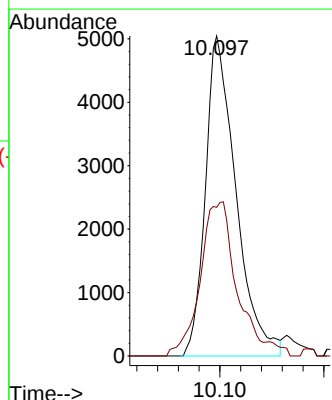
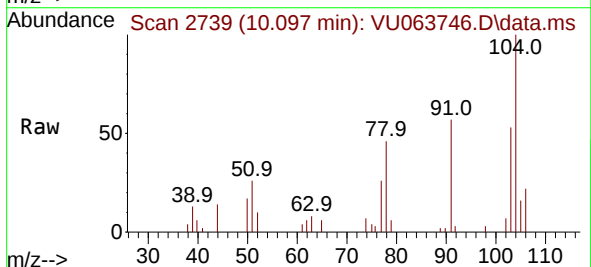
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-07

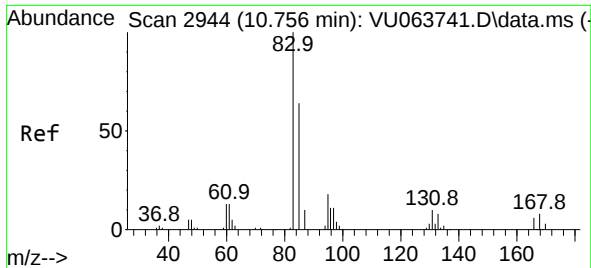
Tgt Ion:106 Resp: 6169
Ion Ratio Lower Upper
106 100
91 192.6 157.4 292.4



#55
Styrene
Concen: 0.221 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.007 min
Lab File: VU063746.D
Acq: 19 Nov 2025 14:34

Tgt Ion:104 Resp: 10274
Ion Ratio Lower Upper
104 100
78 46.4 32.7 60.7

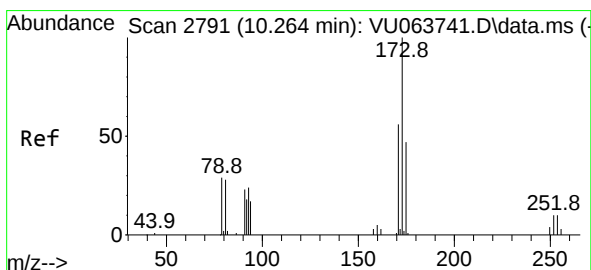
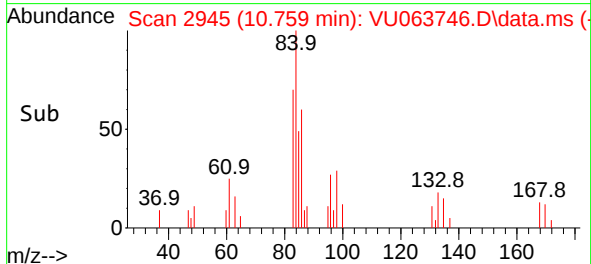
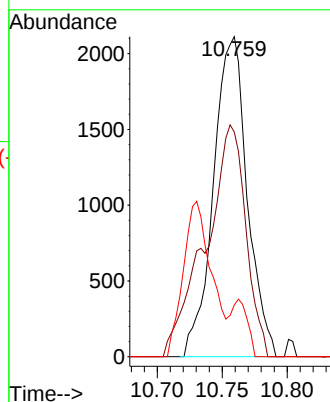
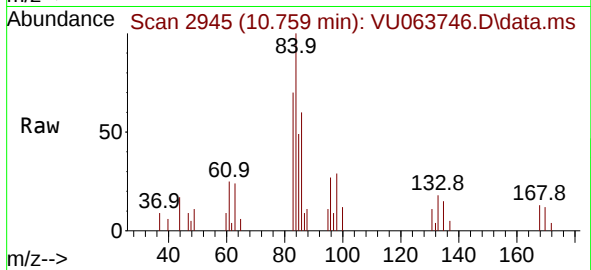




#57
1,1,2,2-Tetrachloroethane
Concen: 0.266 ug/L
RT: 10.759 min Scan# 2945
Delta R.T. 0.003 min
Lab File: VU063746.D
Acq: 19 Nov 2025 14:34

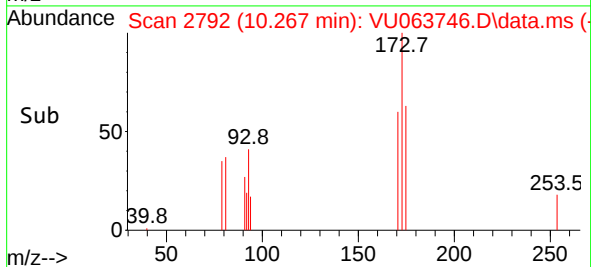
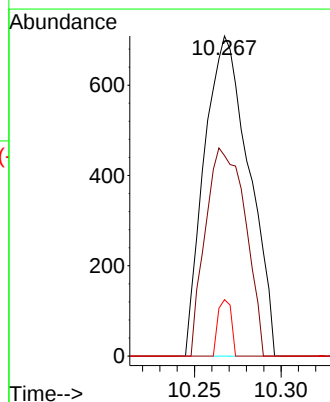
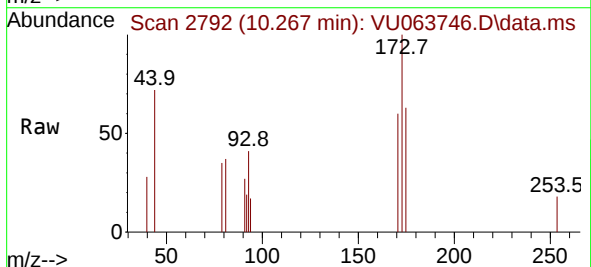
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-07

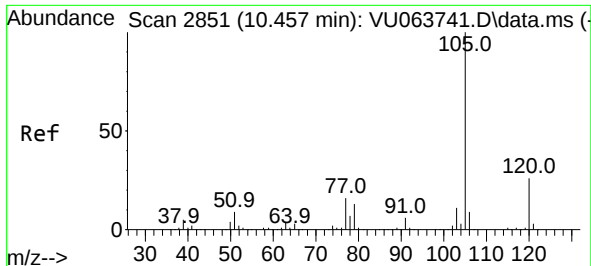
Tgt Ion: 83 Resp: 3816
Ion Ratio Lower Upper
83 100
85 70.2 45.2 84.0
131 16.1 8.4 12.6#



#59
Bromoform
Concen: 0.207 ug/L
RT: 10.267 min Scan# 2792
Delta R.T. 0.003 min
Lab File: VU063746.D
Acq: 19 Nov 2025 14:34

Tgt Ion:173 Resp: 1271
Ion Ratio Lower Upper
173 100
175 58.0 37.8 56.8#
254 5.2 7.8 11.8#

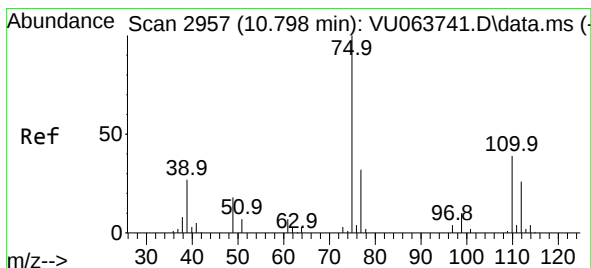
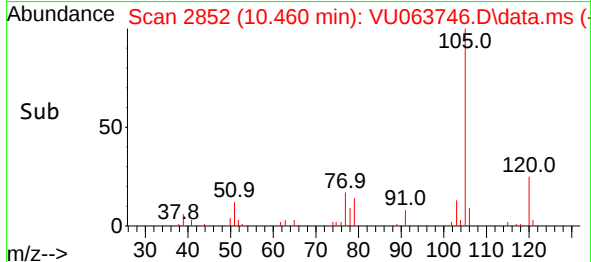
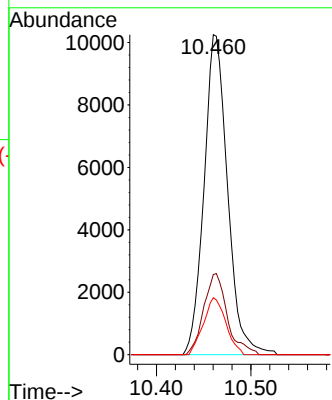
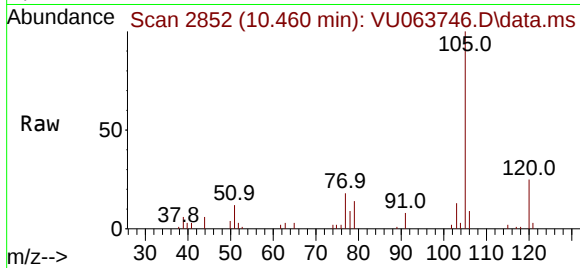




#60
Isopropylbenzene
Concen: 0.233 ug/L
RT: 10.460 min Scan# 2851
Delta R.T. 0.003 min
Lab File: VU063746.D
Acq: 19 Nov 2025 14:34

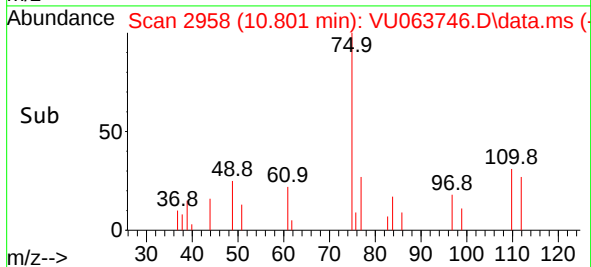
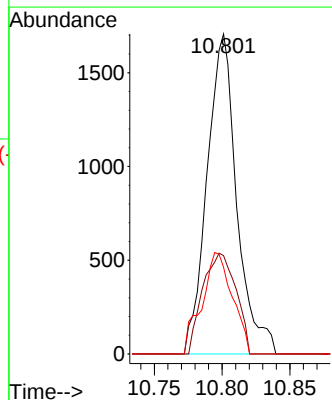
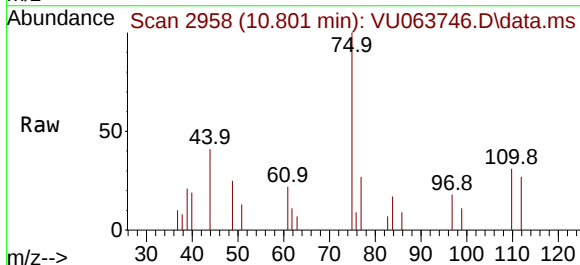
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-07

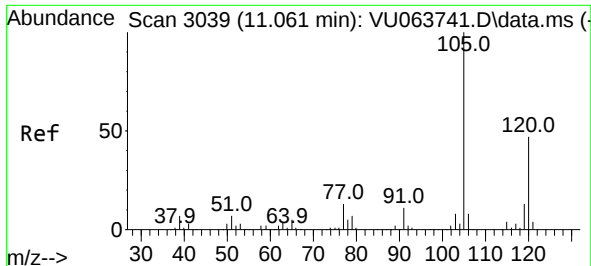
Tgt Ion:	105	Resp:	17730
Ion Ratio	Lower	Upper	
105	100		
120	25.4	20.6	31.0
77	16.9	12.6	19.0



#61
1,2,3-Trichloropropane
Concen: 0.273 ug/L
RT: 10.801 min Scan# 2958
Delta R.T. 0.003 min
Lab File: VU063746.D
Acq: 19 Nov 2025 14:34

Tgt Ion:	75	Resp:	2603
Ion Ratio	Lower	Upper	
75	100		
110	35.2	31.2	46.8
77	32.5	26.6	40.0





#62

1,3,5-Trimethylbenzene

Concen: 0.231 ug/L

RT: 11.065 min Scan# 3040

Delta R.T. 0.003 min

Lab File: VU063746.D

Acq: 19 Nov 2025 14:34

Instrument :

MSVOA_U

ClientSampleId :

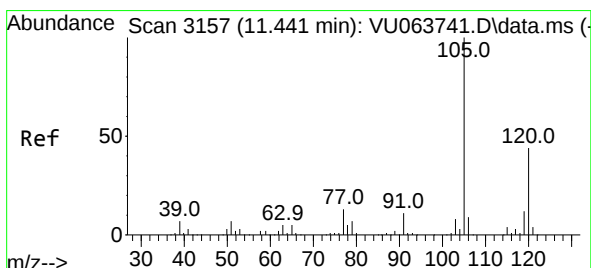
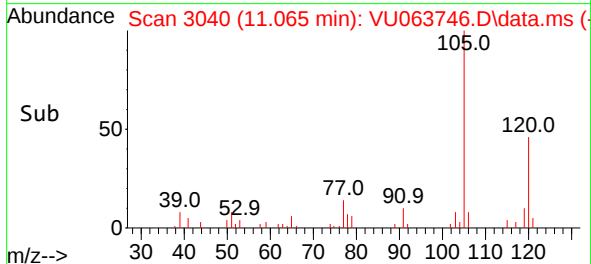
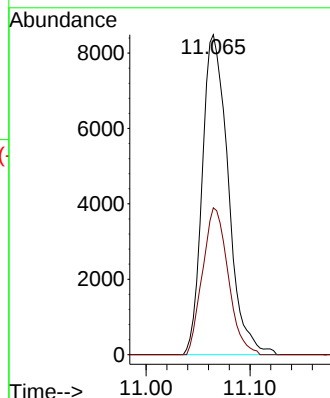
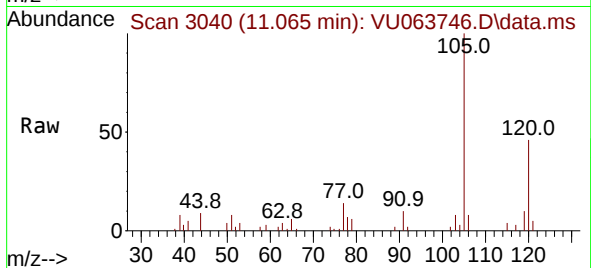
MDL-WATER-QT4-2025-07

Tgt Ion:105 Resp: 14691

Ion Ratio Lower Upper

105 100

120 45.4 38.2 57.2



#63

1,2,4-Trimethylbenzene

Concen: 0.227 ug/L

RT: 11.447 min Scan# 3159

Delta R.T. 0.007 min

Lab File: VU063746.D

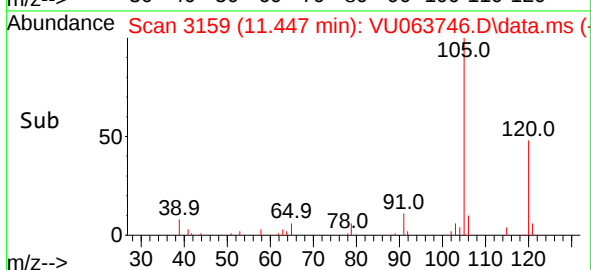
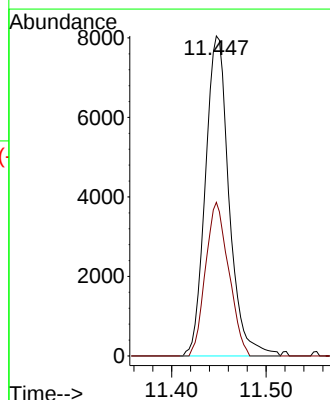
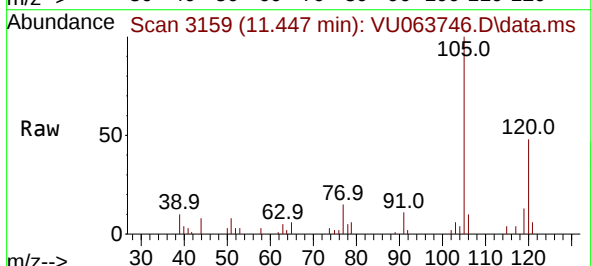
Acq: 19 Nov 2025 14:34

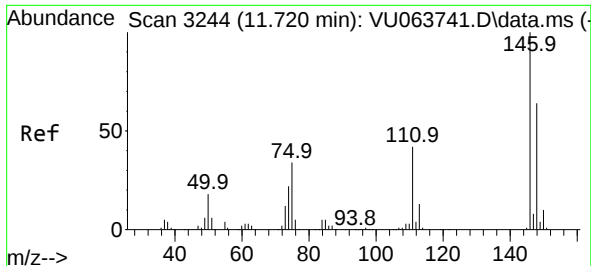
Tgt Ion:105 Resp: 14015

Ion Ratio Lower Upper

105 100

120 46.9 35.1 52.7

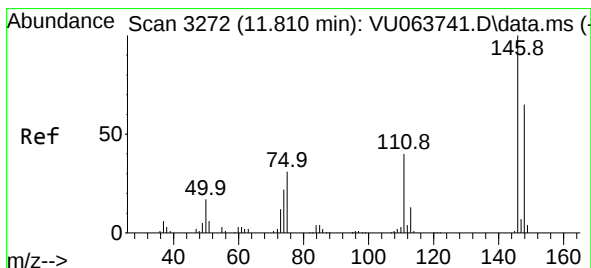
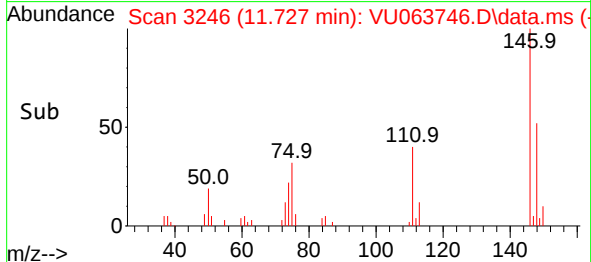
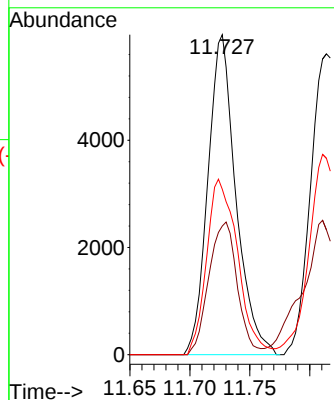
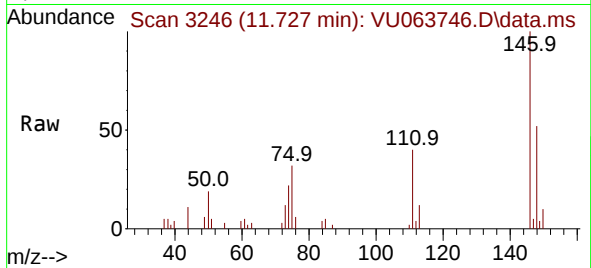




#64
1,3-Dichlorobenzene
Concen: 0.268 ug/L
RT: 11.727 min Scan# 31
Delta R.T. 0.007 min
Lab File: VU063746.D
Acq: 19 Nov 2025 14:34

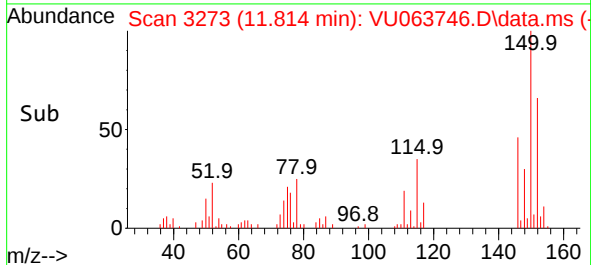
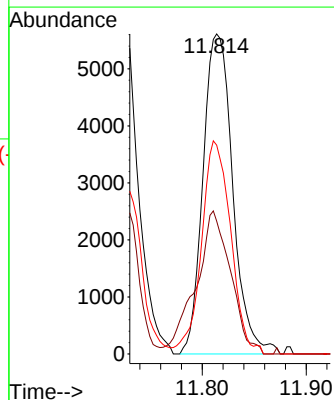
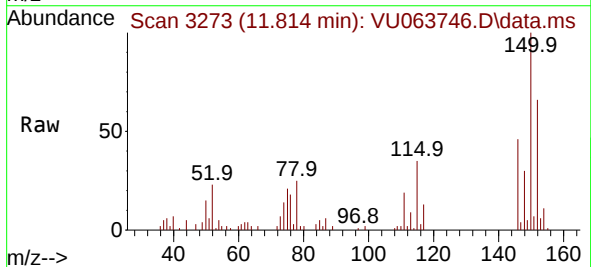
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-07

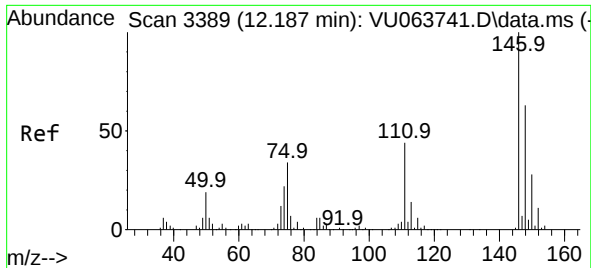
Tgt Ion:146 Resp: 9683
Ion Ratio Lower Upper
146 100
111 40.2 29.5 54.9
148 51.7 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 0.306 ug/L
RT: 11.814 min Scan# 3273
Delta R.T. 0.003 min
Lab File: VU063746.D
Acq: 19 Nov 2025 14:34

Tgt Ion:146 Resp: 11184
Ion Ratio Lower Upper
146 100
111 41.5 27.9 51.7
148 65.3 45.7 84.9

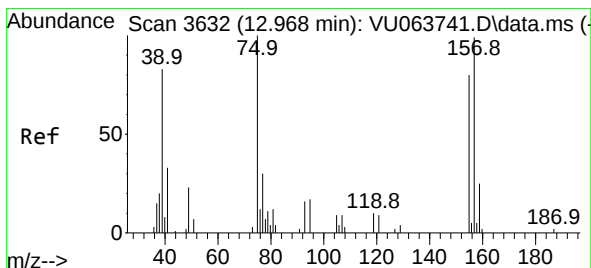
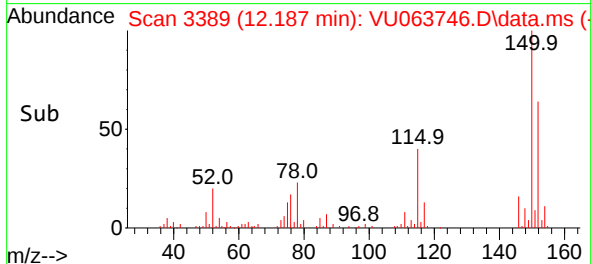
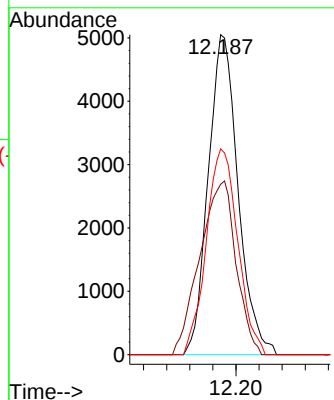
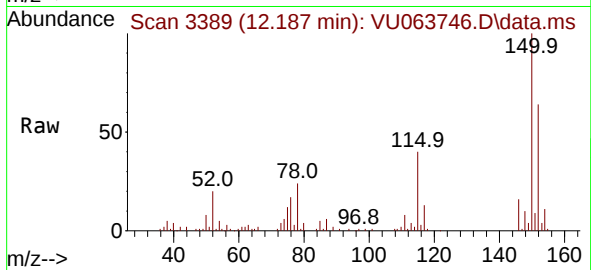




#67
1,2-Dichlorobenzene
Concen: 0.278 ug/L
RT: 12.187 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU063746.D
Acq: 19 Nov 2025 14:34

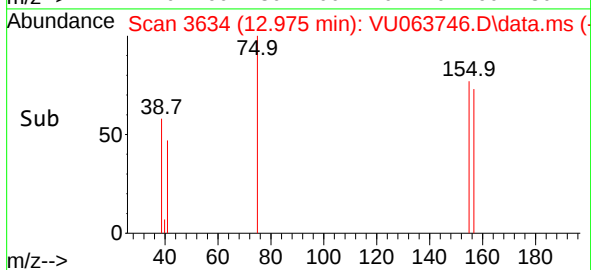
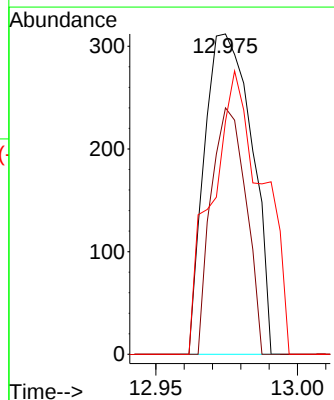
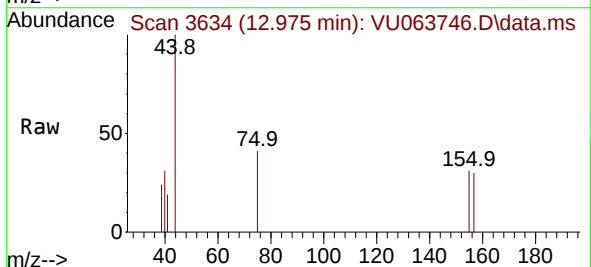
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-07

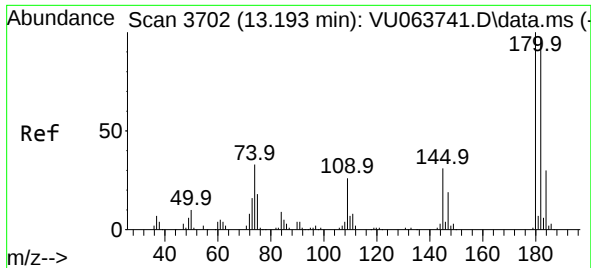
Tgt Ion:146 Resp: 9042
Ion Ratio Lower Upper
146 100
111 53.3 35.0 52.4#
148 64.3 50.2 75.2



#68
1,2-Dibromo-3-chloropropane
Concen: 0.207 ug/L
RT: 12.975 min Scan# 3634
Delta R.T. 0.007 min
Lab File: VU063746.D
Acq: 19 Nov 2025 14:34

Tgt Ion: 75 Resp: 363
Ion Ratio Lower Upper
75 100
155 76.9 64.1 96.1
157 72.8 79.0 118.4#

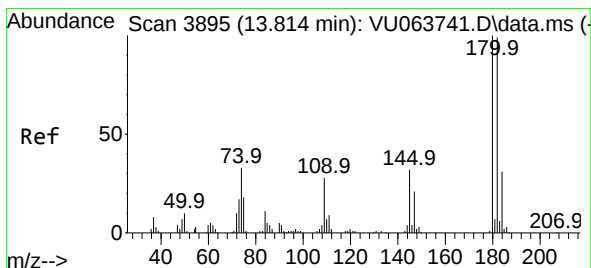
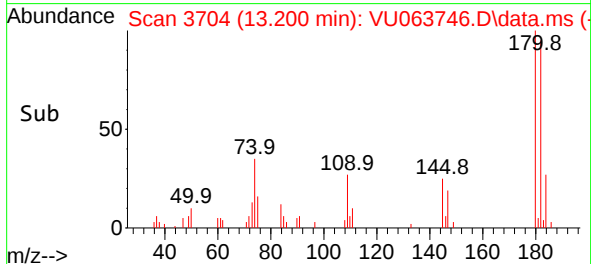
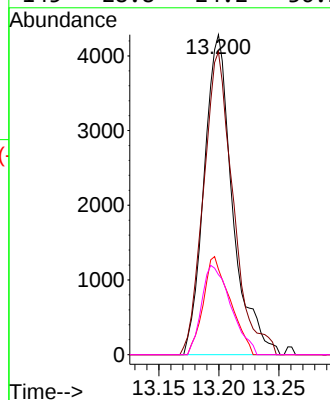
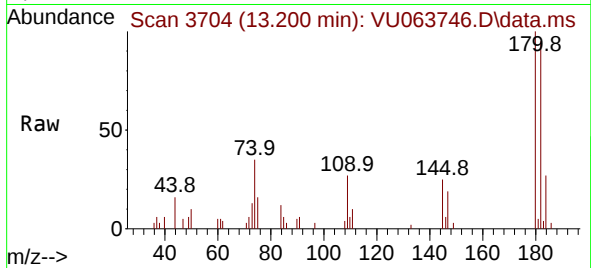




#69
1,3,5-Trichlorobenzene
Concen: 0.267 ug/L
RT: 13.200 min Scan# 31
Delta R.T. 0.007 min
Lab File: VU063746.D
Acq: 19 Nov 2025 14:34

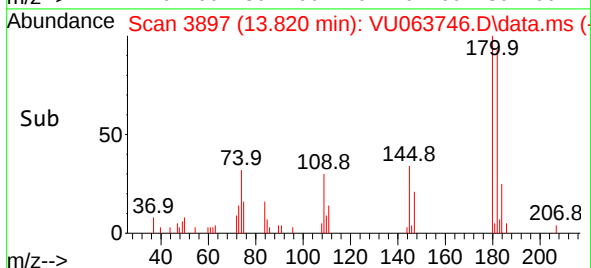
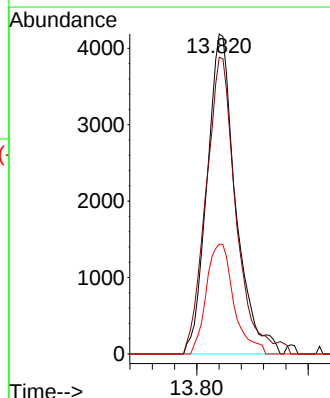
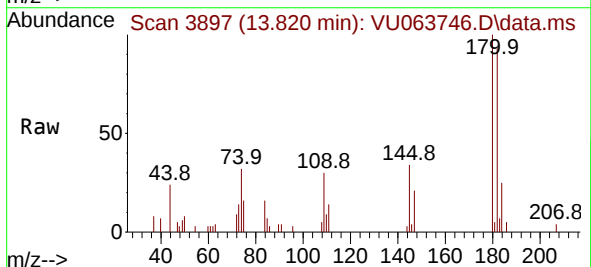
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-07

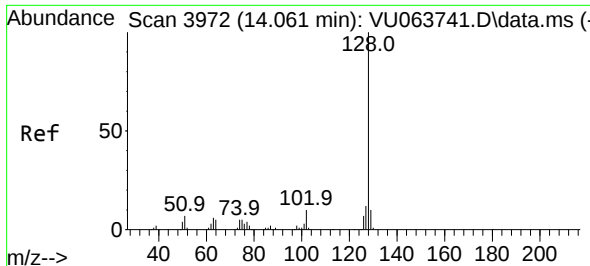
Tgt Ion:180	Resp:	7058
Ion Ratio	Lower	Upper
180	100	
182	98.2	76.4 114.6
184	28.8	23.8 35.6
145	28.8	24.2 36.2



#70
1,2,4-trichlorobenzene
Concen: 0.356 ug/L
RT: 13.820 min Scan# 3897
Delta R.T. 0.007 min
Lab File: VU063746.D
Acq: 19 Nov 2025 14:34

Tgt Ion:180	Resp:	7459
Ion Ratio	Lower	Upper
180	100	
182	96.3	77.8 116.6
145	33.0	26.1 39.1

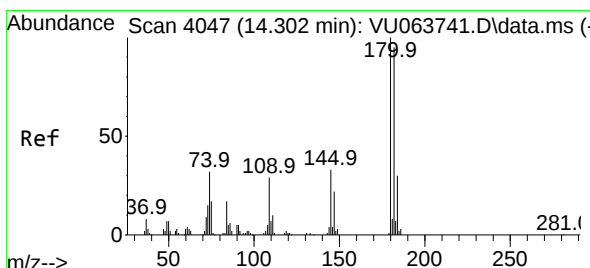
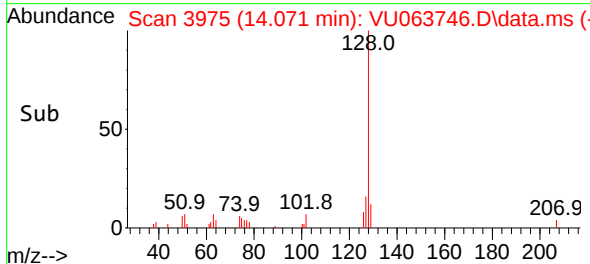
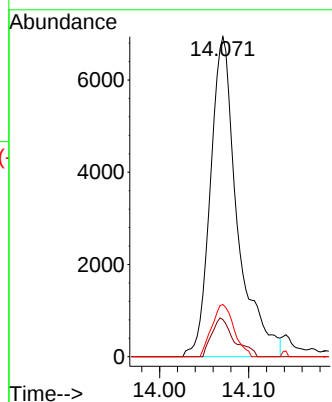
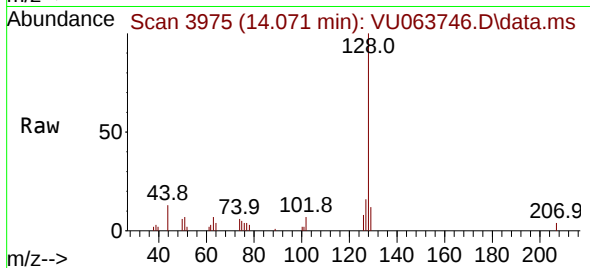




#71
Naphthalene
Concen: 0.489 ug/L
RT: 14.071 min Scan# 3975
Delta R.T. 0.010 min
Lab File: VU063746.D
Acq: 19 Nov 2025 14:34

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2025-07

Tgt Ion:	128	Resp:	14600
Ion Ratio	Lower	Upper	
128	100		
129	10.0	8.6	12.8
127	13.4	10.0	15.0



#72
1,2,3-Trichlorobenzene
Concen: 0.333 ug/L
RT: 14.306 min Scan# 4048
Delta R.T. 0.003 min
Lab File: VU063746.D
Acq: 19 Nov 2025 14:34

Tgt Ion:	180	Resp:	5836
Ion Ratio	Lower	Upper	
180	100		
182	103.9	75.7	113.5
145	33.0	27.1	40.7

