

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052325\
 Data File : VN086772.D
 Acq On : 23 May 2025 12:40
 Operator : JC\MD
 Sample : Q2116-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OUTFALL-2

Quant Time: May 24 02:32:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

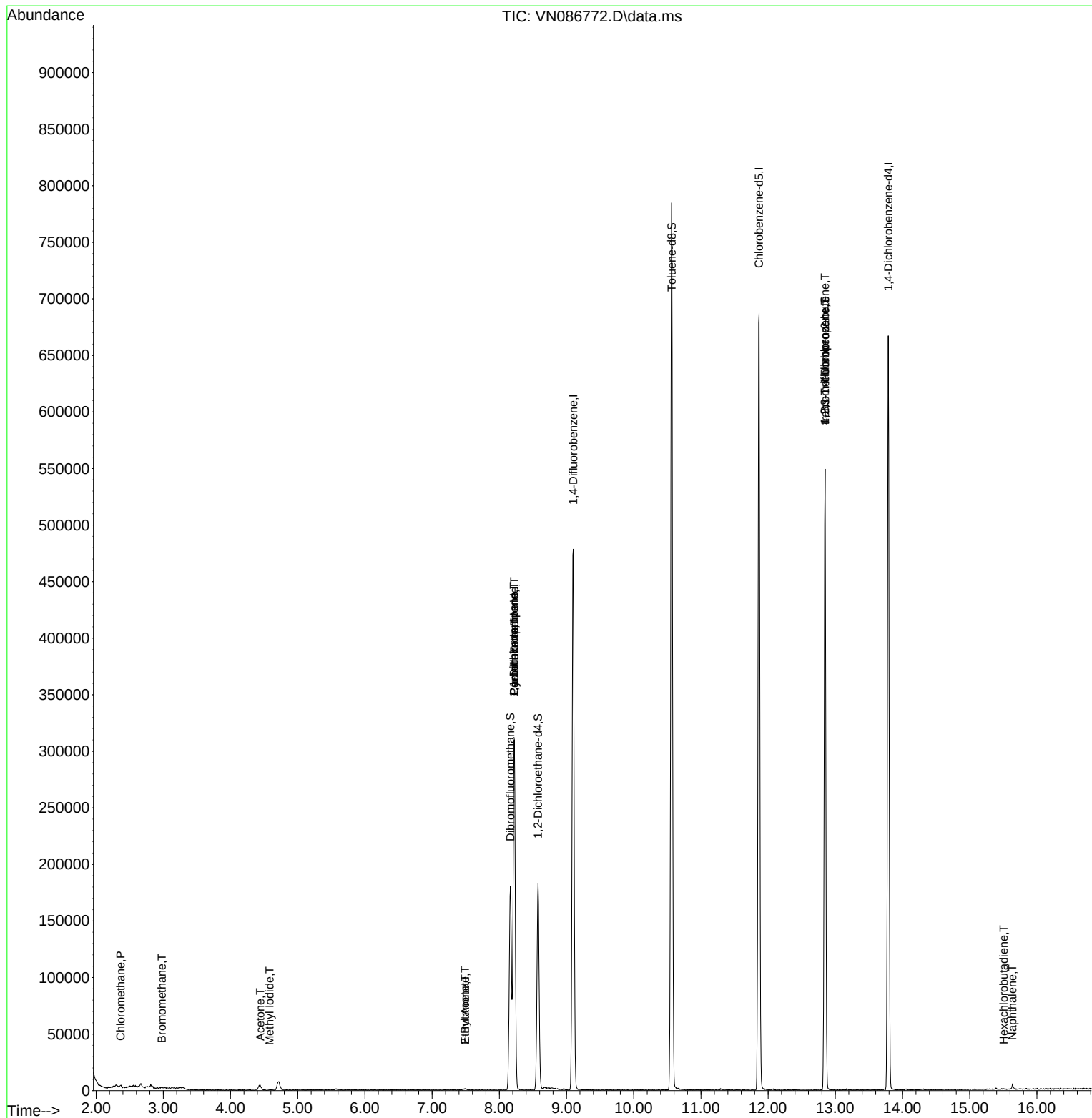
Internal Standards						
1) Pentafluorobenzene	8.224	168	246001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	452072	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	437261	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	192791	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	149096	43.861	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.720%
35) Dibromofluoromethane	8.165	113	136599	50.737	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.480%
50) Toluene-d8	10.565	98	577501	51.762	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.520%
62) 4-Bromofluorobenzene	12.847	95	206691	52.467	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.940%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1289	0.321	ug/l	97
5) Bromomethane	2.977	94	505	0.243	ug/l #	77
10) Methyl Iodide	4.583	142	885	0.276	ug/l #	43
16) Acetone	4.442	43	8986	7.067	ug/l	90
25) 2-Butanone	7.489	43	2078	1.058	ug/l	99
31) Cyclohexane	8.224	56	4274	0.838	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	18303	4.609	ug/l #	48
37) Ethyl Acetate	7.489	43	2078	0.518	ug/l #	67
38) Carbon Tetrachloride	8.224	117	23466	5.997	ug/l #	15
76) 1,2,3-Trichloropropane	12.847	75	98147	22.510	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	98147	56.808	ug/l #	15
94) Hexachlorobutadiene	15.506	225	338	0.313	ug/l #	28
95) Naphthalene	15.635	128	4789	0.530	ug/l #	87

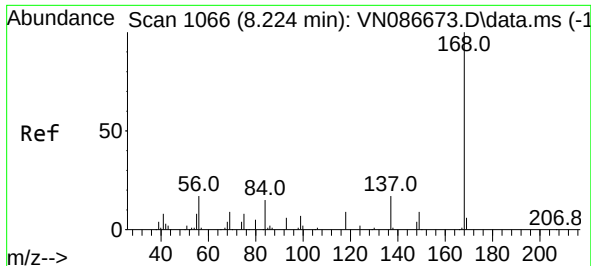
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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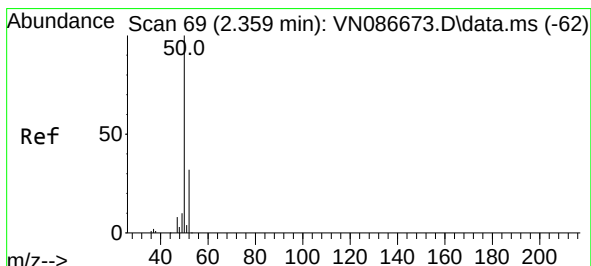
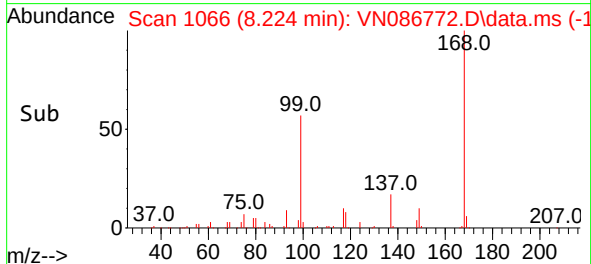
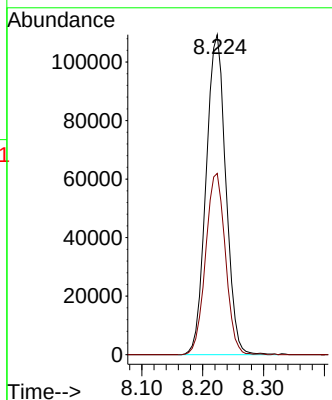
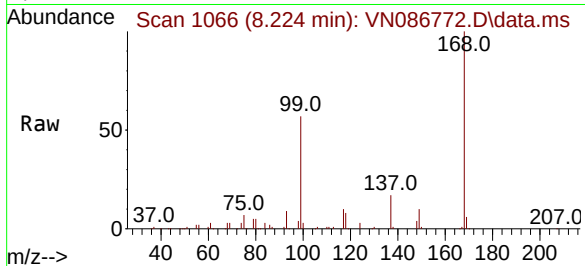




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086772.D
Acq: 23 May 2025 12:40

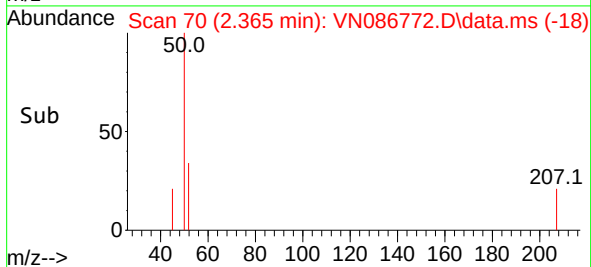
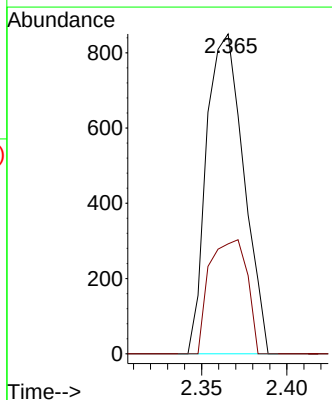
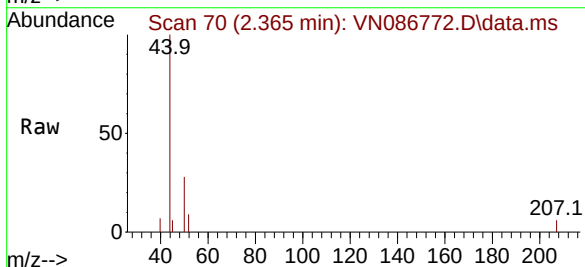
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-2

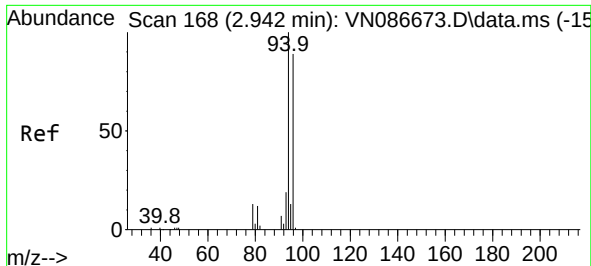
Tgt Ion:168 Resp: 246001
Ion Ratio Lower Upper
168 100
99 56.7 47.0 70.4



#3
Chloromethane
Concen: 0.321 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086772.D
Acq: 23 May 2025 12:40

Tgt Ion: 50 Resp: 1289
Ion Ratio Lower Upper
50 100
52 34.4 25.9 38.9

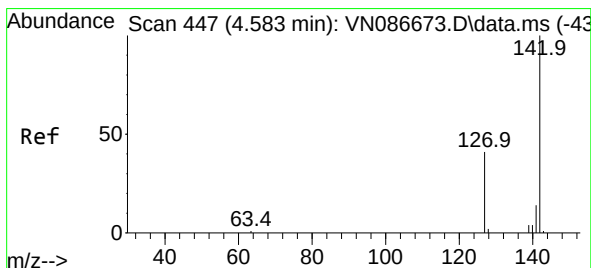
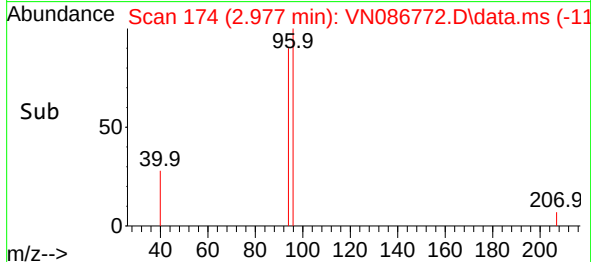
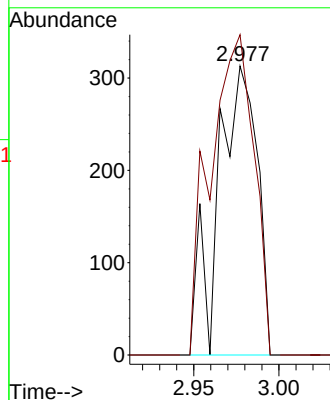
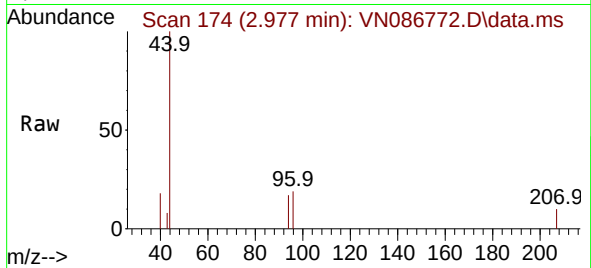




#5
Bromomethane
Concen: 0.243 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN086772.D
Acq: 23 May 2025 12:40

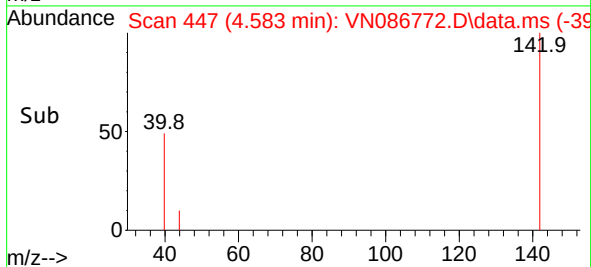
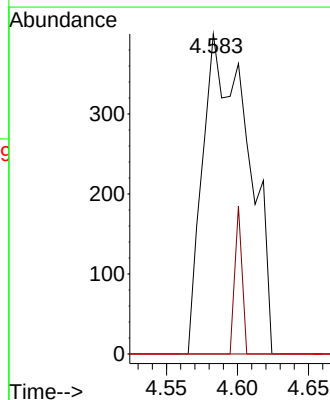
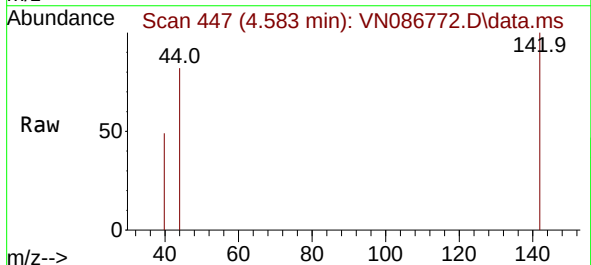
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-2

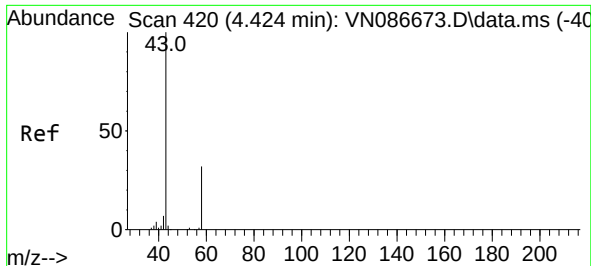
Tgt Ion: 94 Resp: 505
Ion Ratio Lower Upper
94 100
96 110.9 71.2 106.8#



#10
Methyl Iodide
Concen: 0.276 ug/l
RT: 4.583 min Scan# 447
Delta R.T. 0.000 min
Lab File: VN086772.D
Acq: 23 May 2025 12:40

Tgt Ion: 142 Resp: 885
Ion Ratio Lower Upper
142 100
127 0.0 32.4 48.6#
141 0.0 11.4 17.2#

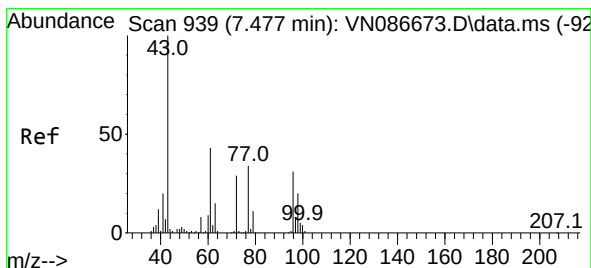
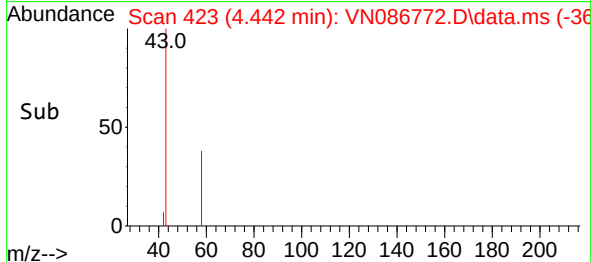
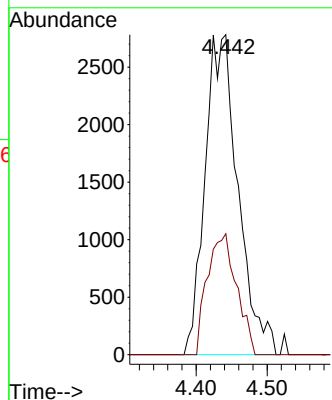
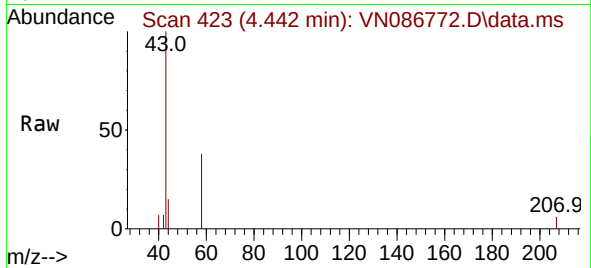




#16
Acetone
Concen: 7.067 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN086772.D
Acq: 23 May 2025 12:40

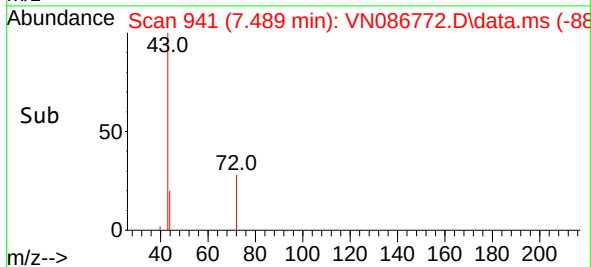
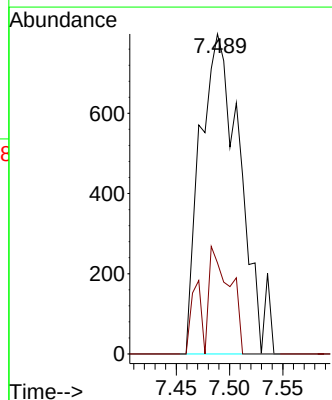
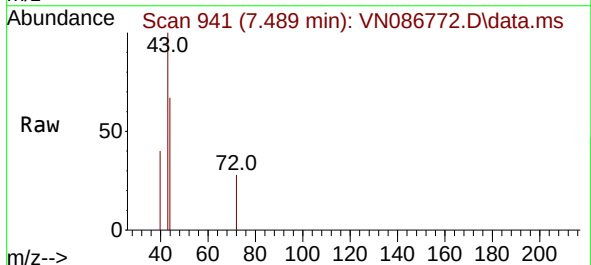
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-2

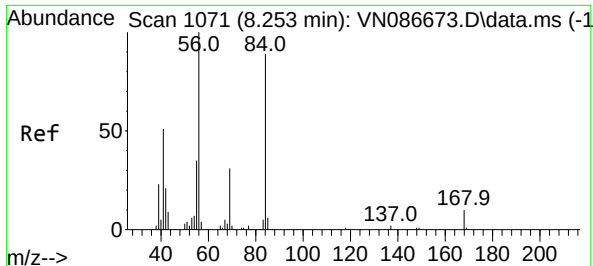
Tgt Ion: 43 Resp: 8986
Ion Ratio Lower Upper
43 100
58 37.8 25.8 38.6



#25
2-Butanone
Concen: 1.058 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN086772.D
Acq: 23 May 2025 12:40

Tgt Ion: 43 Resp: 2078
Ion Ratio Lower Upper
43 100
72 28.4 23.1 34.7

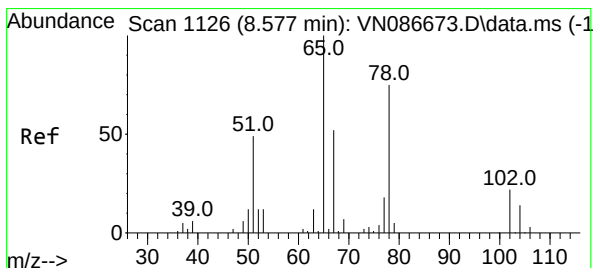
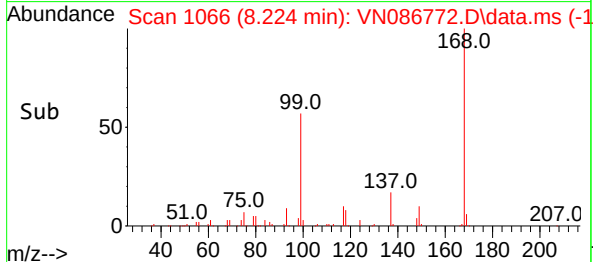
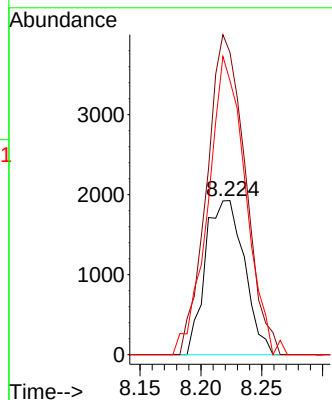
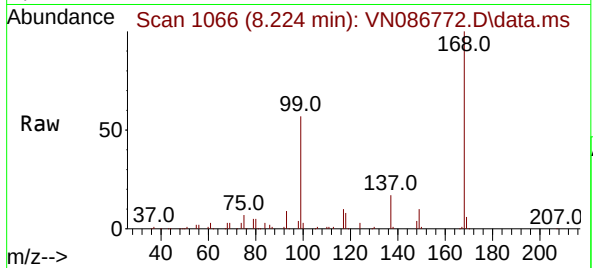




#31
Cyclohexane
Concen: 0.838 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN086772.D
Acq: 23 May 2025 12:40

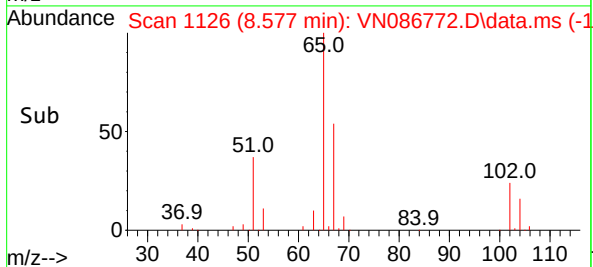
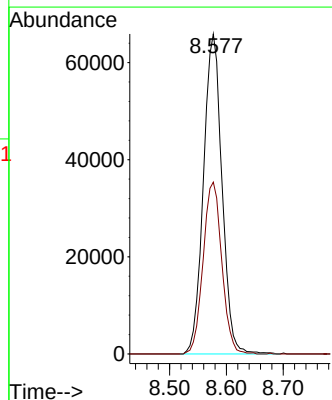
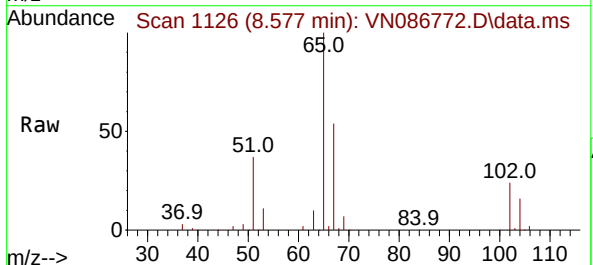
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-2

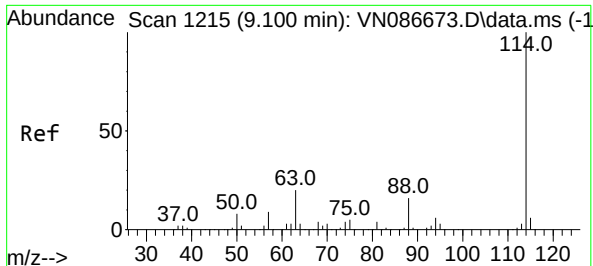
Tgt Ion: 56 Resp: 4274
Ion Ratio Lower Upper
56 100
69 196.2 25.0 37.6#
84 168.5 71.0 106.4#



#33
1,2-Dichloroethane-d4
Concen: 43.861 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086772.D
Acq: 23 May 2025 12:40

Tgt Ion: 65 Resp: 149096
Ion Ratio Lower Upper
65 100
67 54.0 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN086772.D

Acq: 23 May 2025 12:40

Instrument :

MSVOA_N

ClientSampleId :

OUTFALL-2

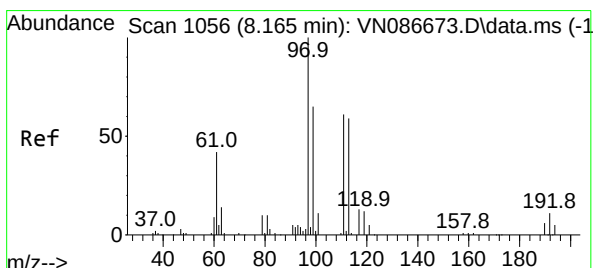
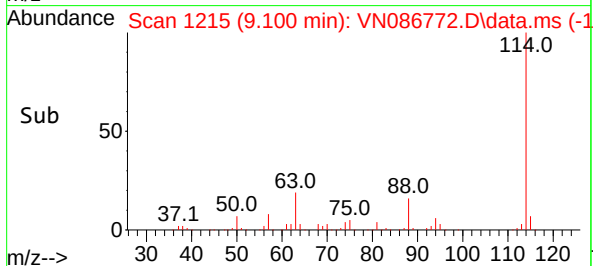
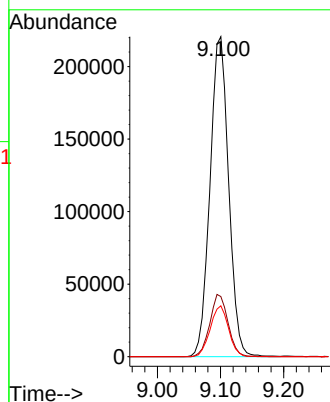
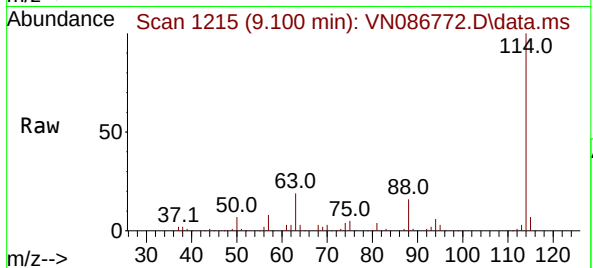
Tgt Ion:114 Resp: 452072

Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.2

88 15.9 0.0 31.2



#35

Dibromofluoromethane

Concen: 50.737 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086772.D

Acq: 23 May 2025 12:40

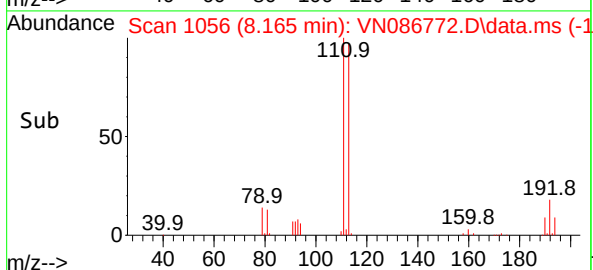
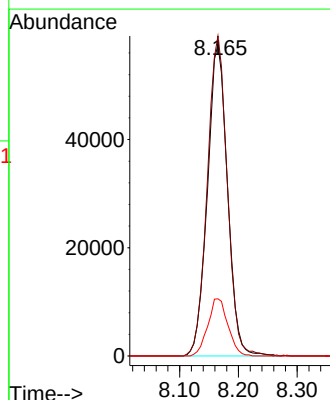
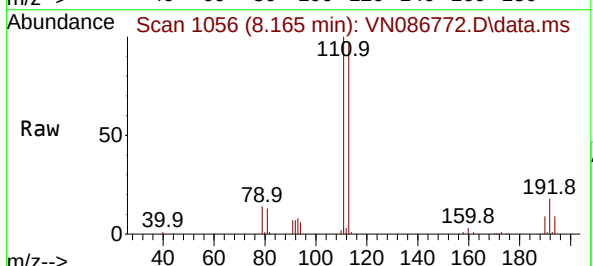
Tgt Ion:113 Resp: 136599

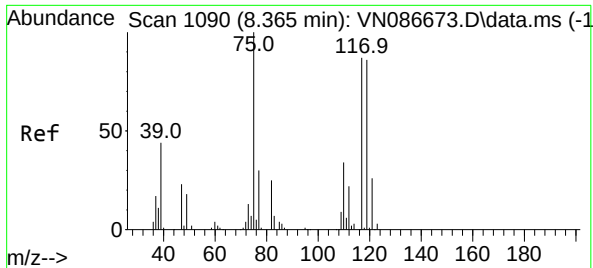
Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.2

192 18.4 13.8 20.8

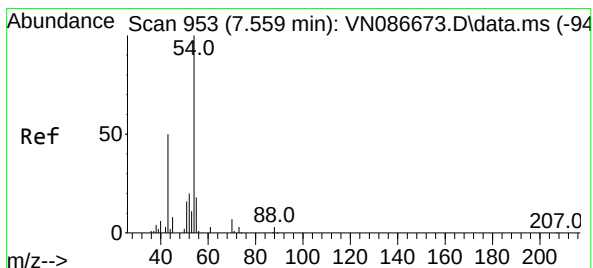
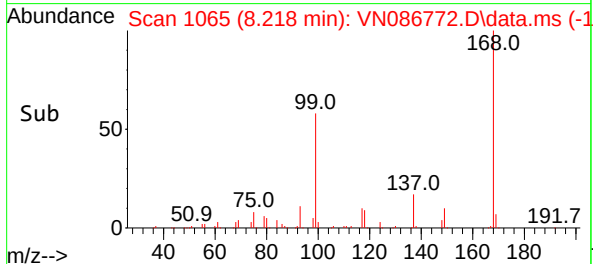
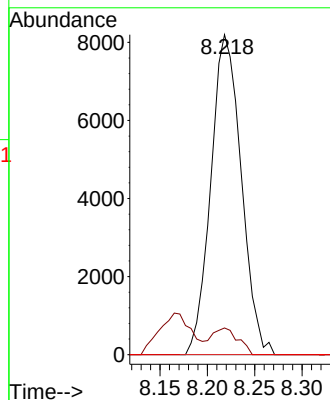
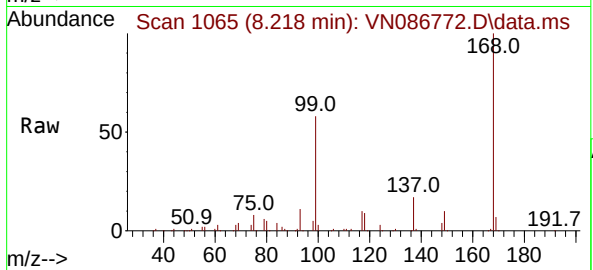




#36
 1,1-Dichloropropene
 Concen: 4.609 ug/l
 RT: 8.218 min Scan# 1065
 Delta R.T. -0.147 min
 Lab File: VN086772.D
 Acq: 23 May 2025 12:40

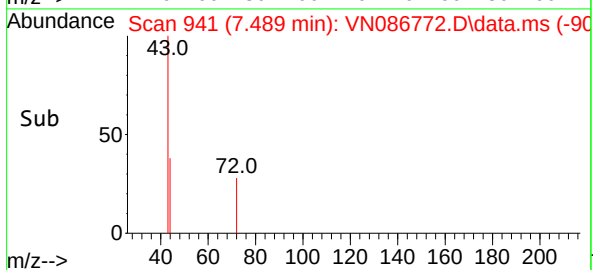
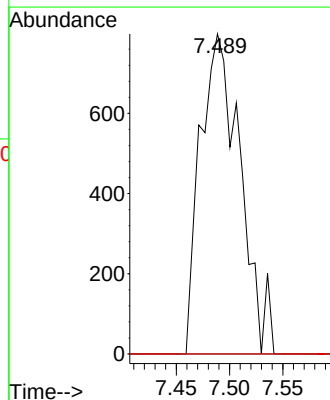
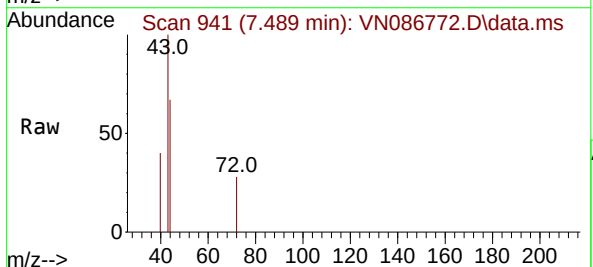
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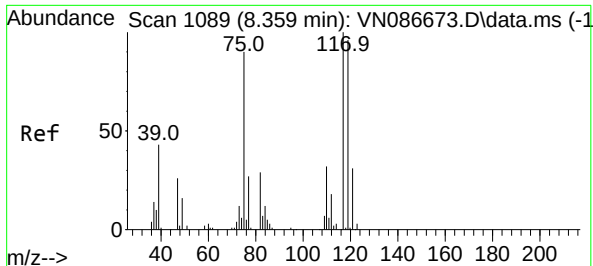
Tgt Ion: 75 Resp: 18303
 Ion Ratio Lower Upper
 75 100
 110 7.4 17.5 52.5#
 77 0.0 25.1 37.7#



#37
 Ethyl Acetate
 Concen: 0.518 ug/l
 RT: 7.489 min Scan# 941
 Delta R.T. -0.070 min
 Lab File: VN086772.D
 Acq: 23 May 2025 12:40

Tgt Ion: 43 Resp: 2078
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.6 17.4#
 70 0.0 9.4 14.0#

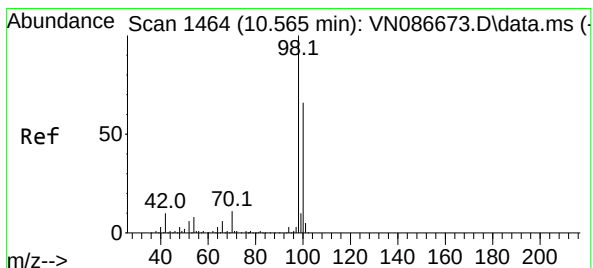
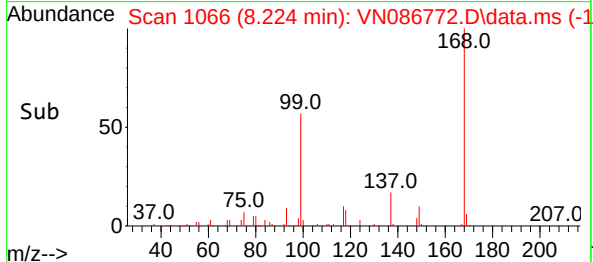
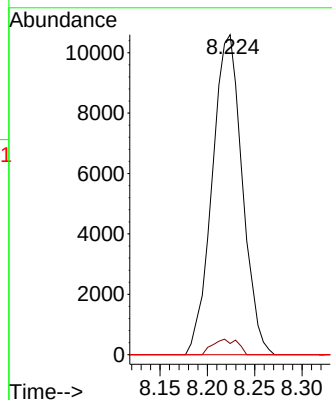
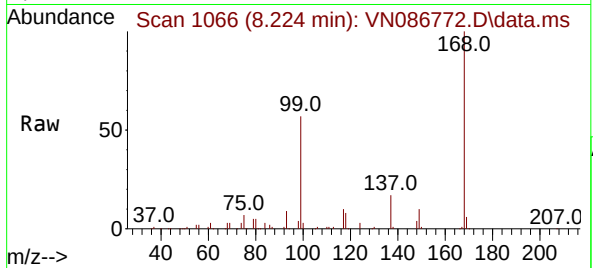




#38
Carbon Tetrachloride
Concen: 5.997 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN086772.D
Acq: 23 May 2025 12:40

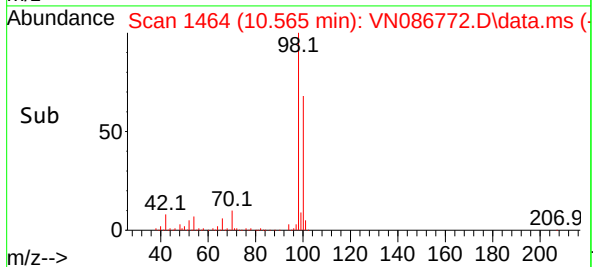
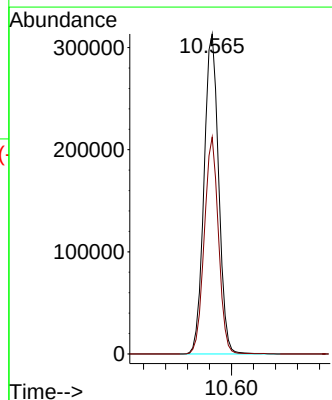
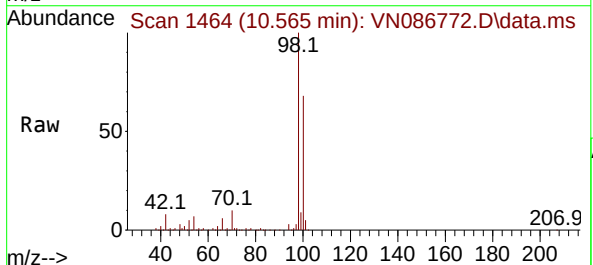
Instrument :
MSVOA_N
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OUTFALL-2

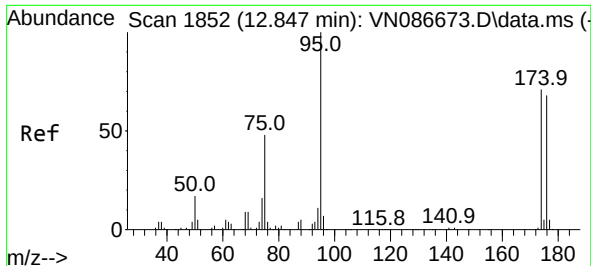
Tgt Ion:117 Resp: 23466
Ion Ratio Lower Upper
117 100
119 3.5 77.0 115.6#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 51.762 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086772.D
Acq: 23 May 2025 12:40

Tgt Ion: 98 Resp: 577501
Ion Ratio Lower Upper
98 100
100 65.7 52.9 79.3





#62

4-Bromofluorobenzene

Concen: 52.467 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN086772.D

Acq: 23 May 2025 12:40

Instrument :

MSVOA_N

ClientSampleId :

OUTFALL-2

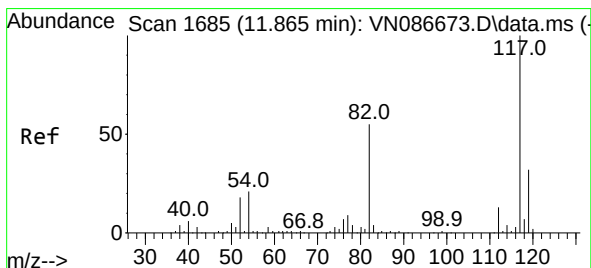
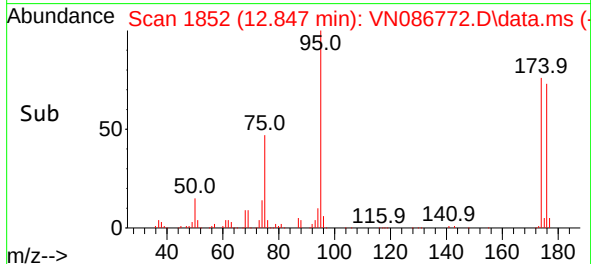
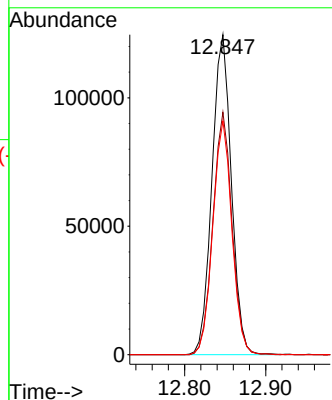
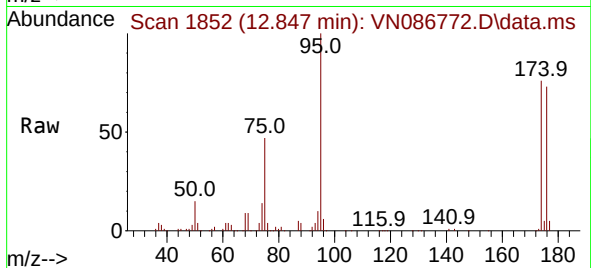
Tgt Ion: 95 Resp: 206691

Ion Ratio Lower Upper

95 100

174 75.1 0.0 145.4

176 71.9 0.0 137.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VN086772.D

Acq: 23 May 2025 12:40

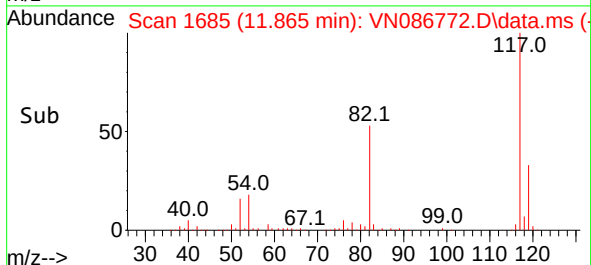
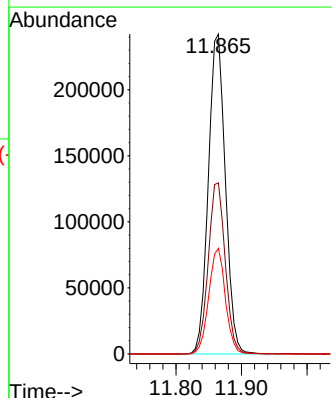
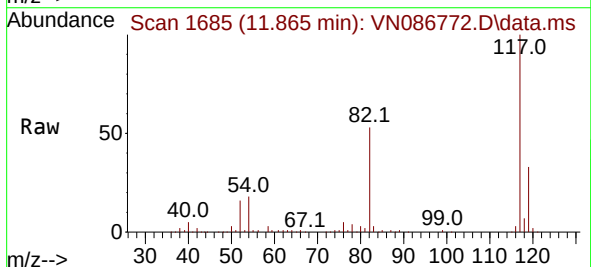
Tgt Ion: 117 Resp: 437261

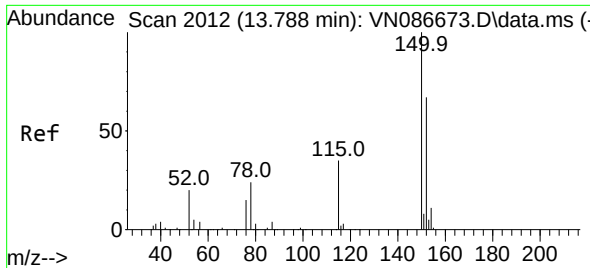
Ion Ratio Lower Upper

117 100

82 53.4 44.2 66.2

119 33.0 25.4 38.2

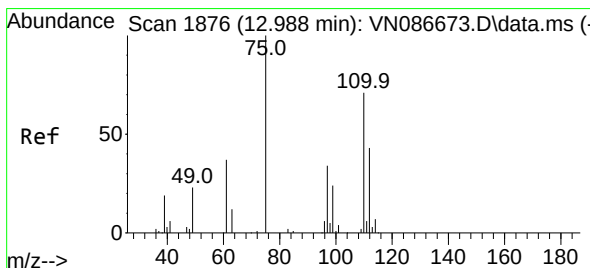
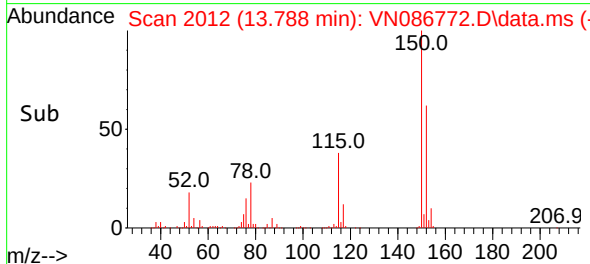
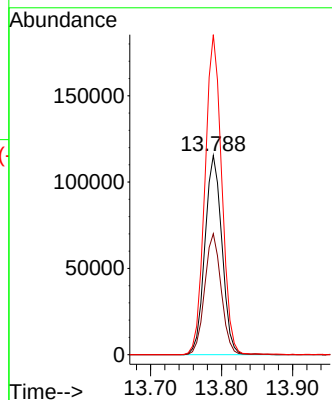
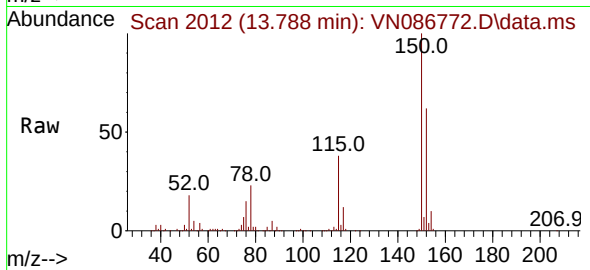




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: VN086772.D
 Acq: 23 May 2025 12:40

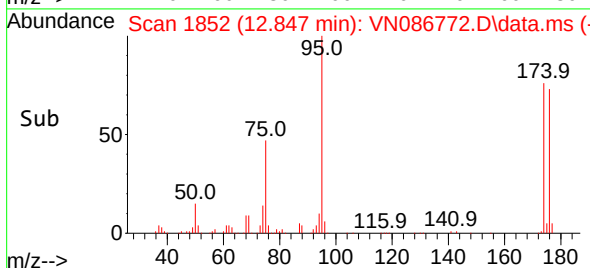
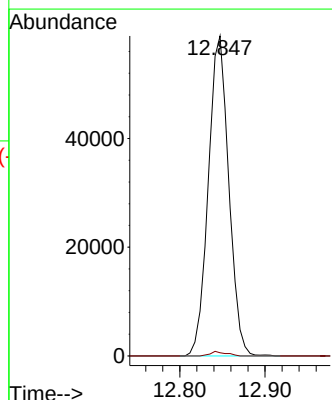
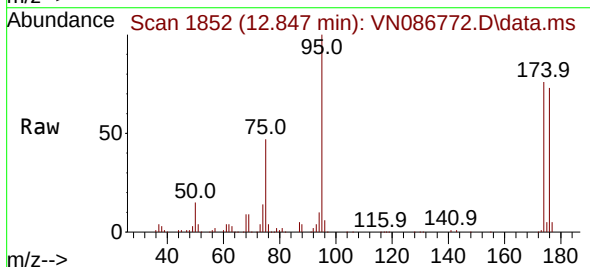
Instrument :
 MSVOA_N
 ClientSampleId :
 OUTFALL-2

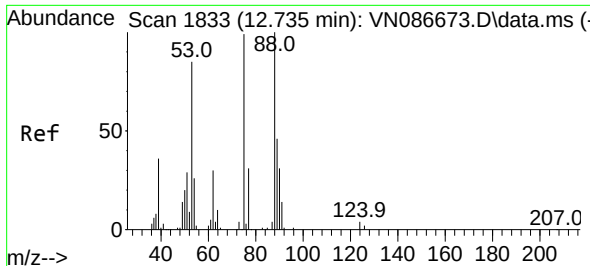
Tgt Ion:152 Resp: 192791
 Ion Ratio Lower Upper
 152 100
 115 58.9 30.0 90.1
 150 158.5 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 22.510 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN086772.D
 Acq: 23 May 2025 12:40

Tgt Ion: 75 Resp: 98147
 Ion Ratio Lower Upper
 75 100
 77 1.1 96.0 288.1#

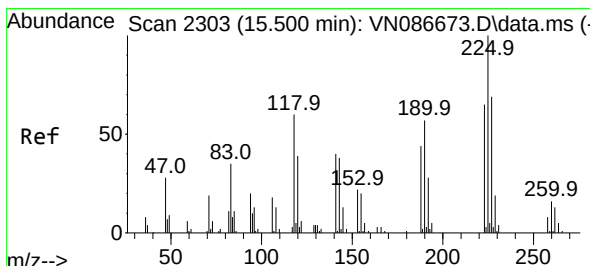
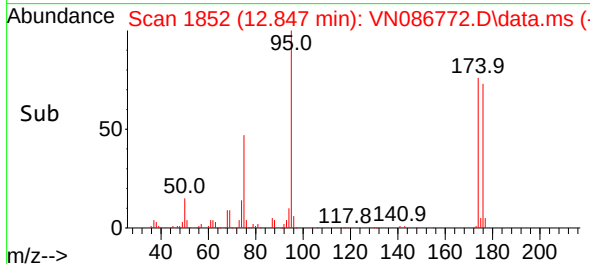
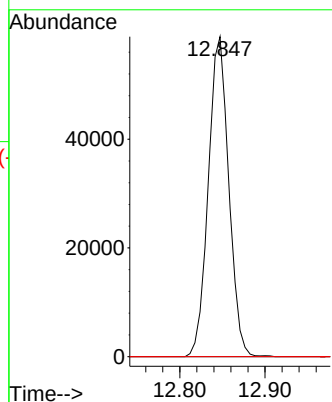
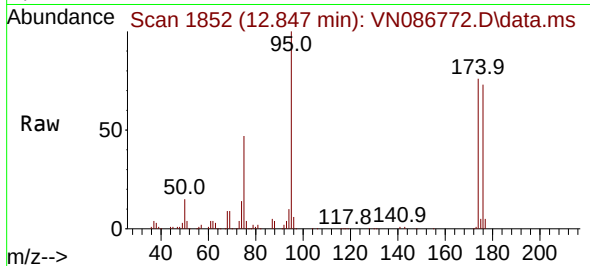




#81
trans-1,4-Dichloro-2-butene
Concen: 56.808 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN086772.D
Acq: 23 May 2025 12:40

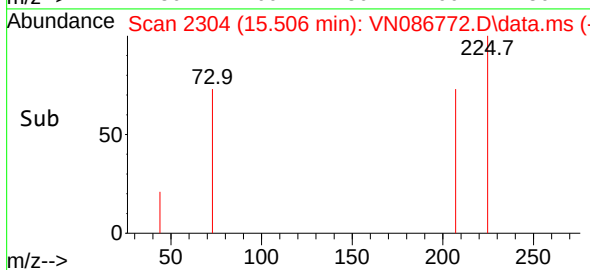
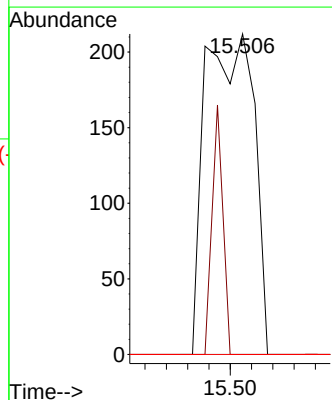
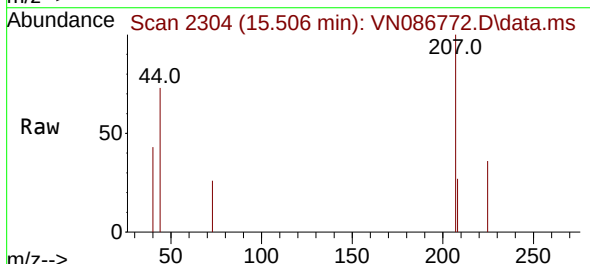
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-2

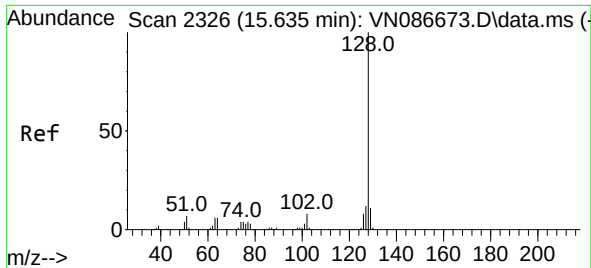
Tgt Ion: 75 Resp: 98147
Ion Ratio Lower Upper
75 100
53 0.0 70.4 105.6#
89 0.0 32.4 48.6#



#94
Hexachlorobutadiene
Concen: 0.313 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. 0.006 min
Lab File: VN086772.D
Acq: 23 May 2025 12:40

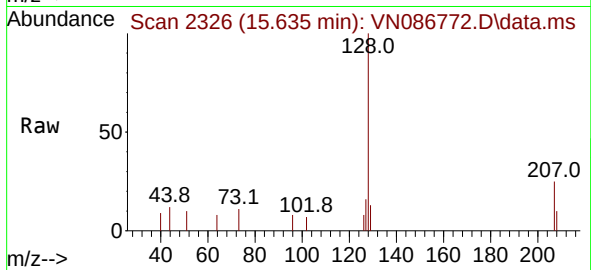
Tgt Ion: 225 Resp: 338
Ion Ratio Lower Upper
225 100
223 17.2 32.9 98.6#
227 0.0 32.4 97.2#





#95
Naphthalene
Concen: 0.530 ug/l
RT: 15.635 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN086772.D
Acq: 23 May 2025 12:40

Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-2



Tgt Ion:128 Resp: 4789
Ion Ratio Lower Upper
128 100
127 6.5 10.1 15.1#
129 7.0 8.6 13.0#

