

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041625\
 Data File : VN086293.D
 Acq On : 16 Apr 2025 13:38
 Operator : JC\MD
 Sample : Q1812-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RINSE-EB-TANK-041525

Quant Time: Apr 17 03:06:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

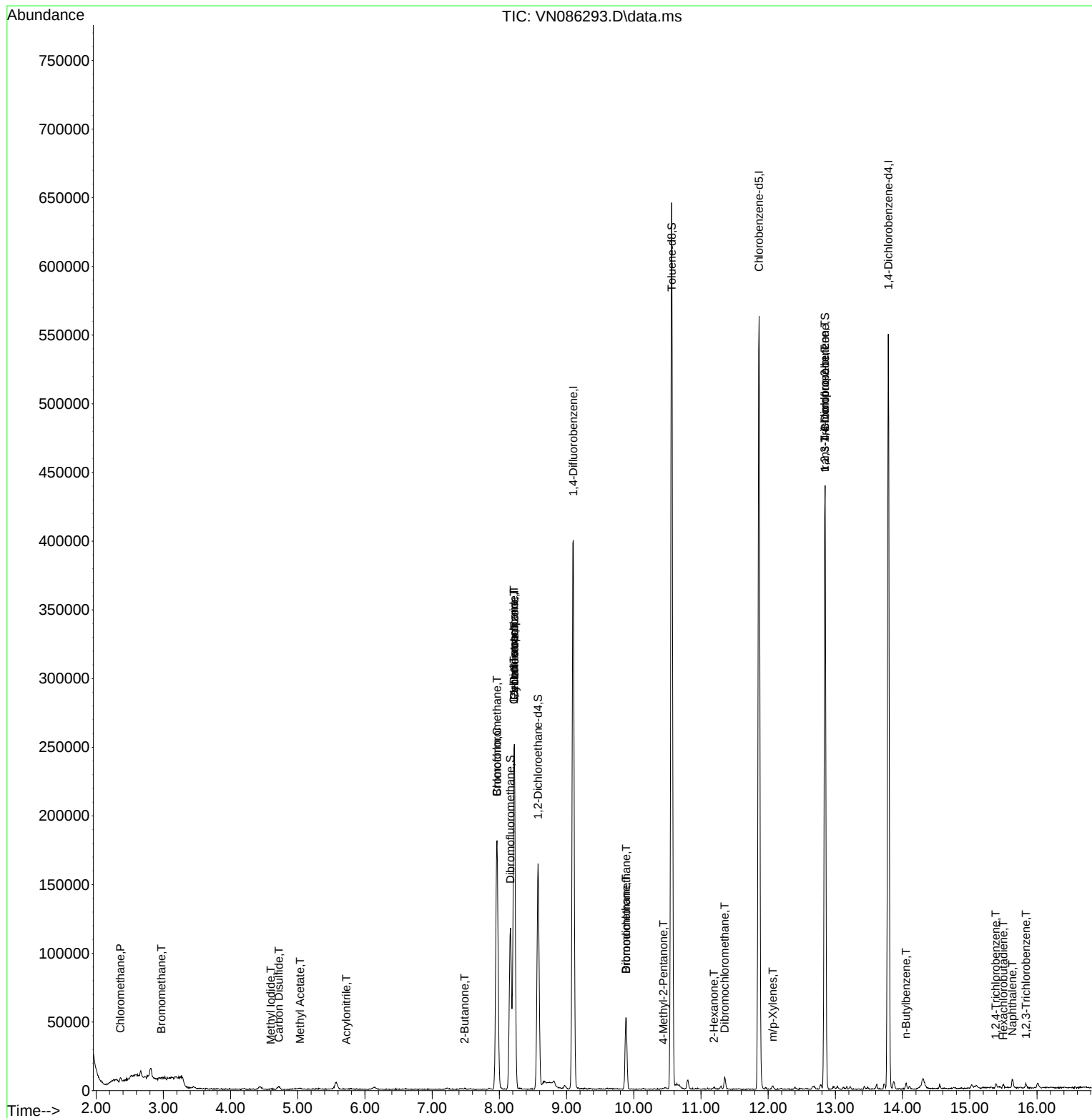
Internal Standards						
1) Pentafluorobenzene	8.224	168	187101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	358779	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	327128	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	145489	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	133897	49.351	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.700%			
35) Dibromofluoromethane	8.165	113	89240	53.593	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.180%			
50) Toluene-d8	10.565	98	448849	50.436	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.880%			
62) 4-Bromofluorobenzene	12.847	95	163259	50.296	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.600%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	2144	0.665	ug/l #	66
5) Bromomethane	2.971	94	972	0.702	ug/l #	35
10) Methyl Iodide	4.600	142	700	0.309	ug/l #	42
13) Acrolein	4.177	56	236	Below Cal	#	13
15) Acrylonitrile	5.724	53	261	0.213	ug/l #	71
16) Acetone	4.436	43	4705	Below Cal		96
17) Carbon Disulfide	4.718	76	3260	0.494	ug/l #	90
18) Methyl Acetate	5.036	43	1941	0.596	ug/l #	51
25) 2-Butanone	7.483	43	852	0.505	ug/l #	48
28) Bromochloromethane	7.965	49	14875	7.808	ug/l #	16
30) Chloroform	7.965	83	180293	40.846	ug/l	99
31) Cyclohexane	8.224	56	4876	1.109	ug/l #	2
36) 1,1-Dichloropropene	8.218	75	15793	4.749	ug/l #	49
38) Carbon Tetrachloride	8.218	117	19189	6.059	ug/l #	16
43) Isopropyl Acetate	8.665	43	6136	Below Cal	#	55
46) Dibromomethane	9.882	93	1072	0.645	ug/l #	7
47) Bromodichloromethane	9.888	83	38322	10.676	ug/l	95
51) 4-Methyl-2-Pentanone	10.441	43	830	0.231	ug/l #	35
59) 2-Hexanone	11.194	43	1006	0.378	ug/l	81
60) Dibromochloromethane	11.353	129	5154	1.962	ug/l	98
68) m/p-Xylenes	12.070	106	1005	0.204	ug/l	98
76) 1,2,3-Trichloropropane	12.841	75	82875	24.138	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.841	75	82875	57.972	ug/l #	10
89) n-Butylbenzene	14.053	91	2924	0.342	ug/l	90
93) 1,2,4-Trichlorobenzene	15.388	180	1274	0.554	ug/l	92
94) Hexachlorobutadiene	15.500	225	712	0.820	ug/l	89
95) Naphthalene	15.635	128	5775	0.708	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.835	180	1212	0.556	ug/l	86

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

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Sample : Q1812-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
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RINSE-EB-TANK-041525

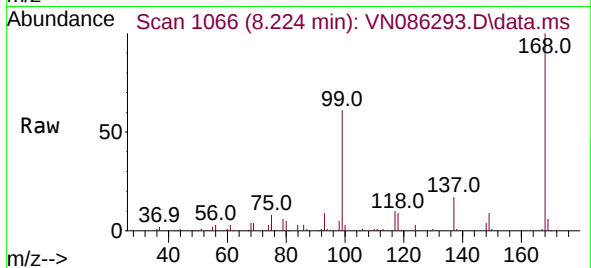
Quant Time: Apr 17 03:06:48 2025
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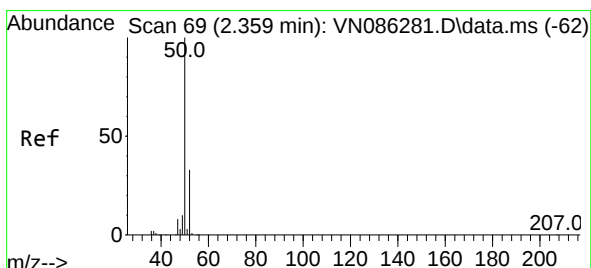
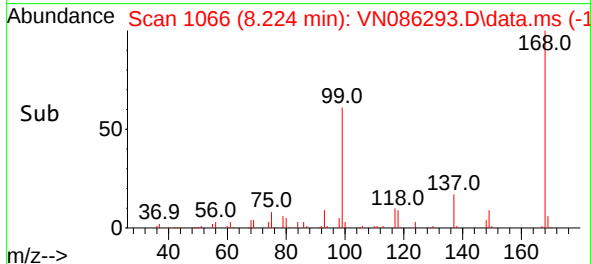
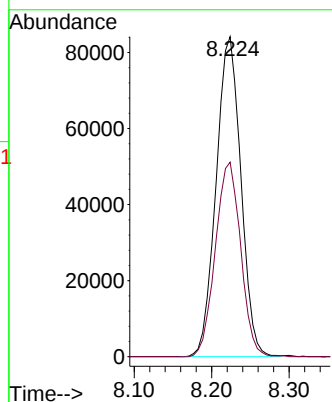


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086293.D
Acq: 16 Apr 2025 13:38

Instrument :
MSVOA_N
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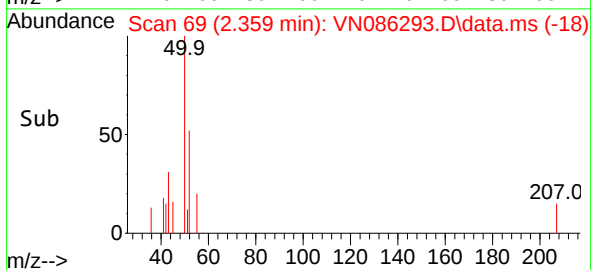
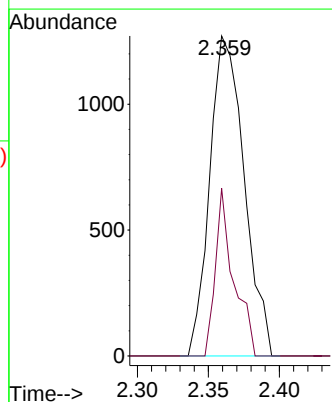
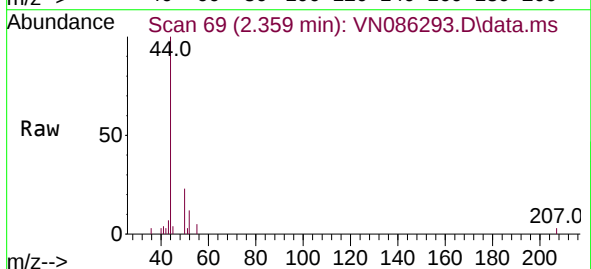


Tgt Ion:168 Resp: 187101
Ion Ratio Lower Upper
168 100
99 60.8 52.5 78.7



#3
Chloromethane
Concen: 0.665 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086293.D
Acq: 16 Apr 2025 13:38

Tgt Ion: 50 Resp: 2144
Ion Ratio Lower Upper
50 100
52 52.4 26.5 39.7#

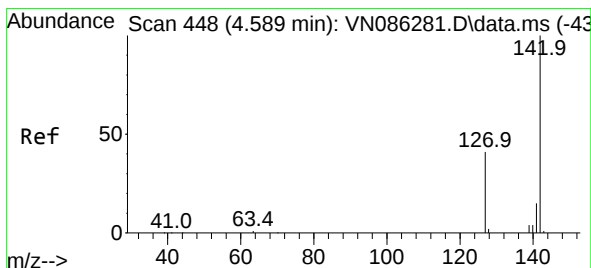
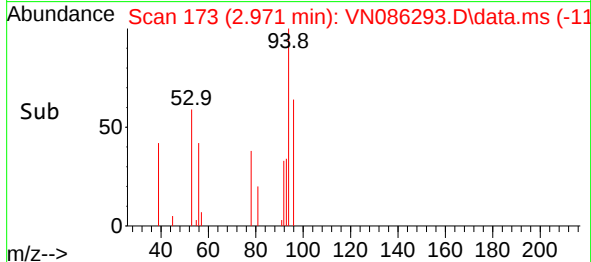
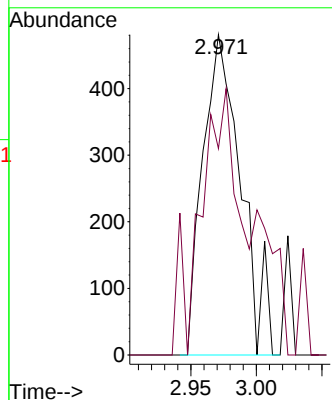
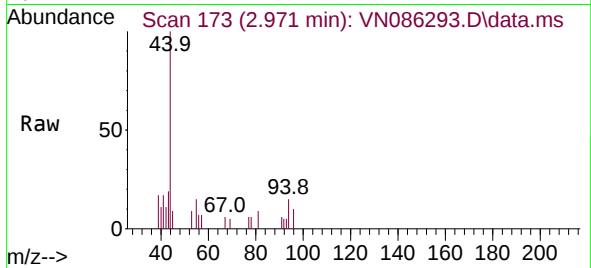




#5
Bromomethane
Concen: 0.702 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN086293.D
Acq: 16 Apr 2025 13:38

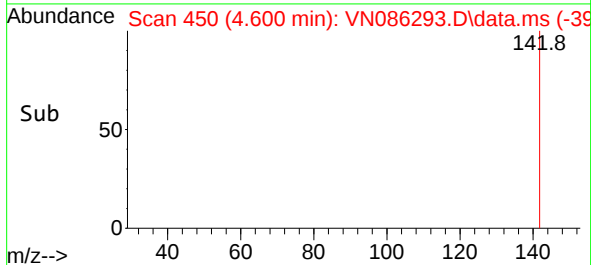
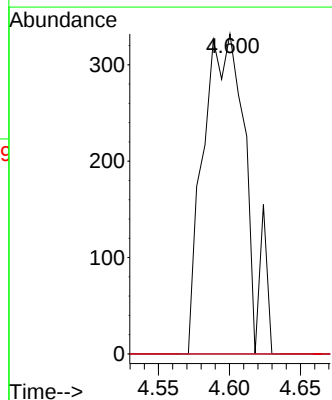
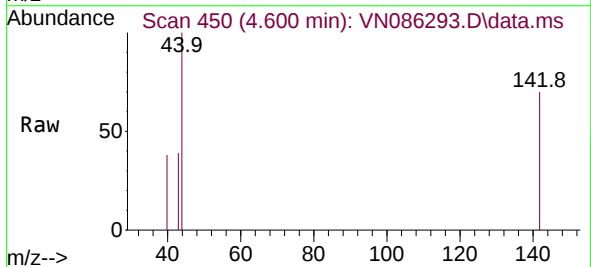
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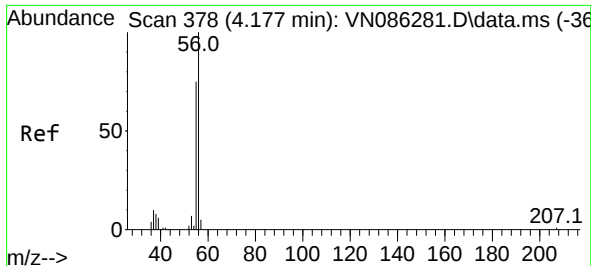
Tgt Ion: 94 Resp: 972
Ion Ratio Lower Upper
94 100
96 31.2 75.2 112.8#



#10
Methyl Iodide
Concen: 0.309 ug/l
RT: 4.600 min Scan# 450
Delta R.T. 0.012 min
Lab File: VN086293.D
Acq: 16 Apr 2025 13:38

Tgt Ion: 142 Resp: 700
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.7 17.5#

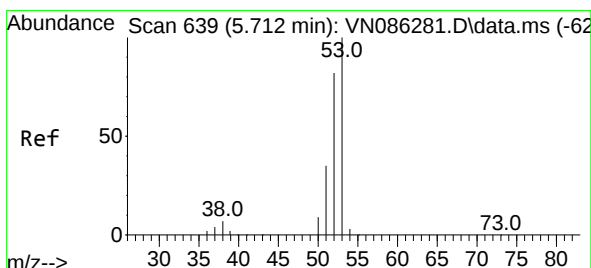
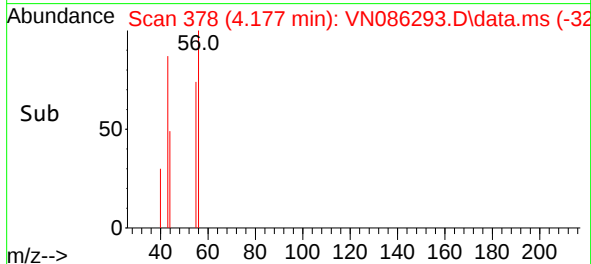
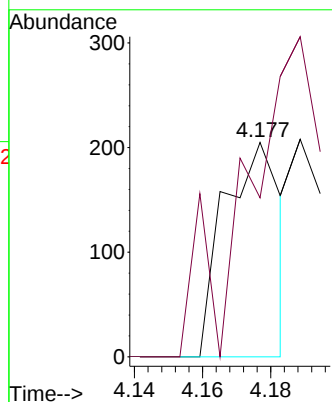
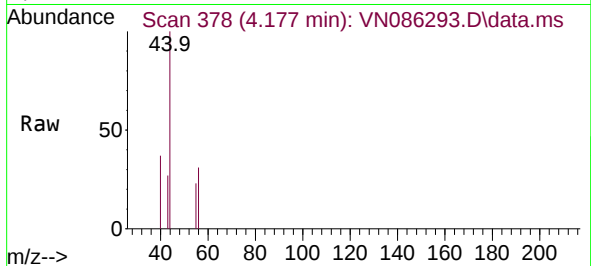




#13
Acrolein
Concen: Below Cal
RT: 4.177 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN086293.D
Acq: 16 Apr 2025 13:38

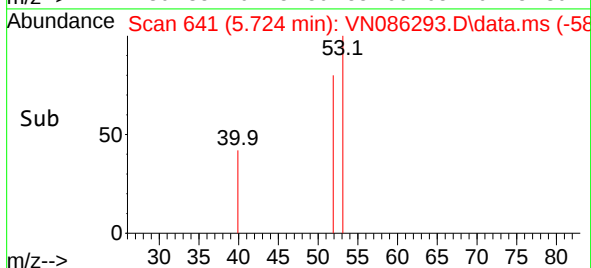
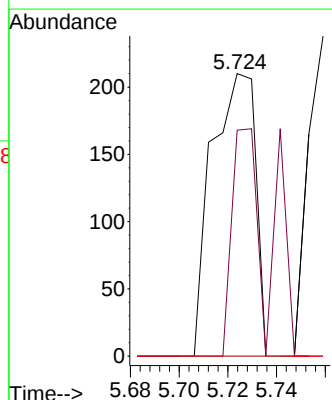
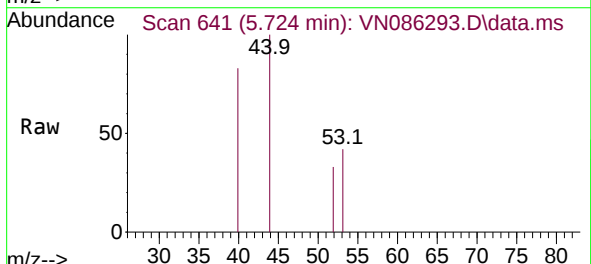
Instrument :
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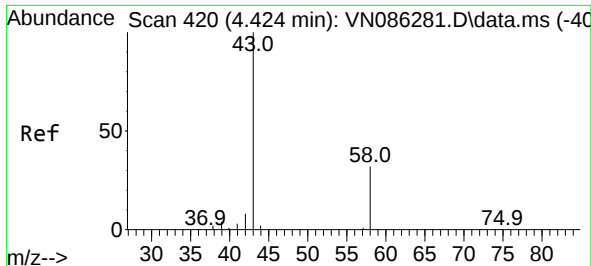
Tgt Ion: 56 Resp: 236
Ion Ratio Lower Upper
56 100
55 0.0 58.5 87.7#



#15
Acrylonitrile
Concen: 0.213 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.012 min
Lab File: VN086293.D
Acq: 16 Apr 2025 13:38

Tgt Ion: 53 Resp: 261
Ion Ratio Lower Upper
53 100
52 68.6 65.5 98.3
51 0.0 28.6 42.8#

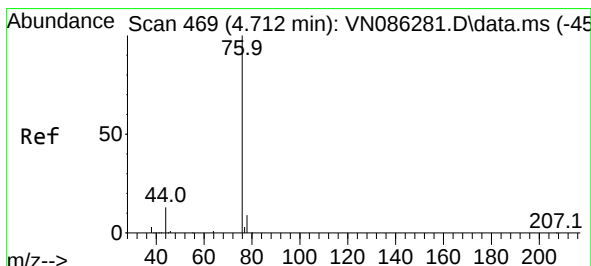
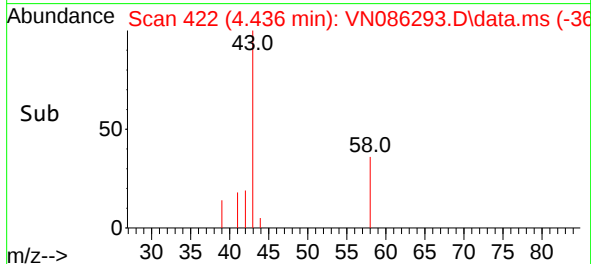
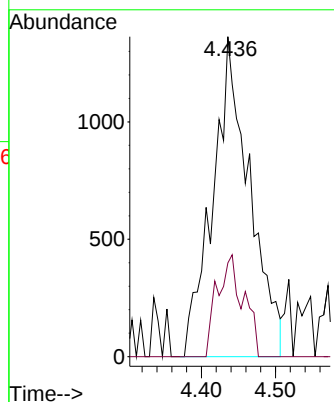
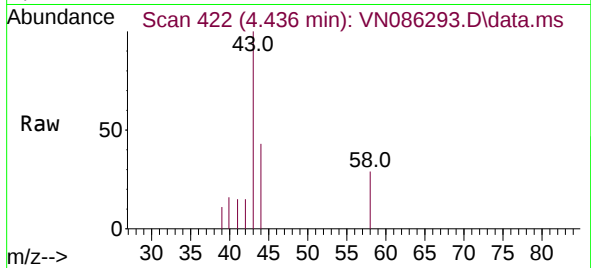




#16
Acetone
Concen: Below Cal
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN086293.D
Acq: 16 Apr 2025 13:38

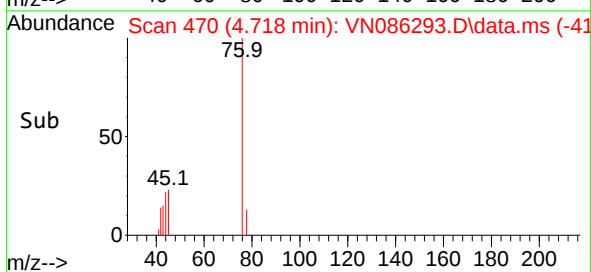
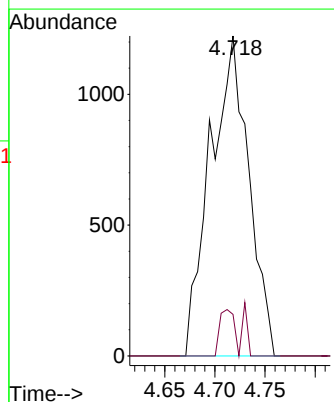
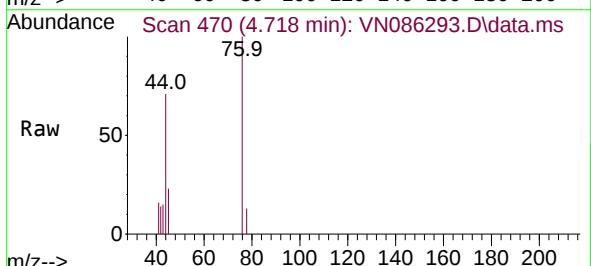
Instrument :
MSVOA_N
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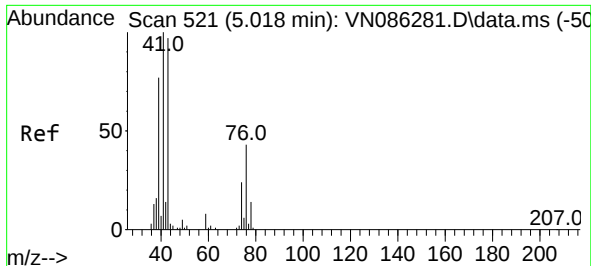
Tgt Ion: 43 Resp: 4705
Ion Ratio Lower Upper
43 100
58 29.3 25.3 37.9



#17
Carbon Disulfide
Concen: 0.494 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.006 min
Lab File: VN086293.D
Acq: 16 Apr 2025 13:38

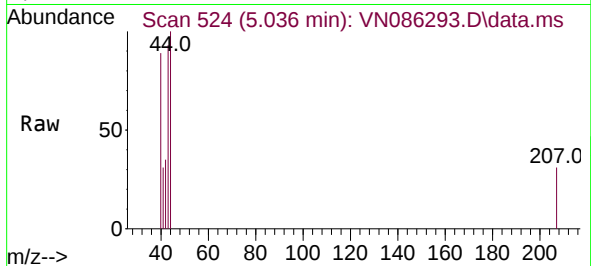
Tgt Ion: 76 Resp: 3260
Ion Ratio Lower Upper
76 100
78 13.0 7.6 11.4#



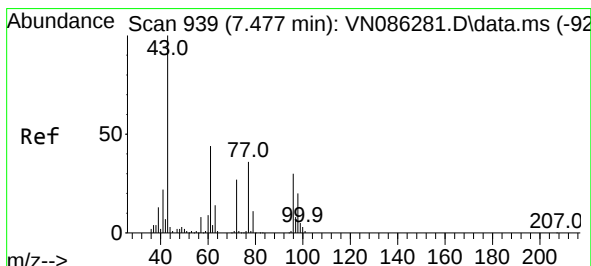
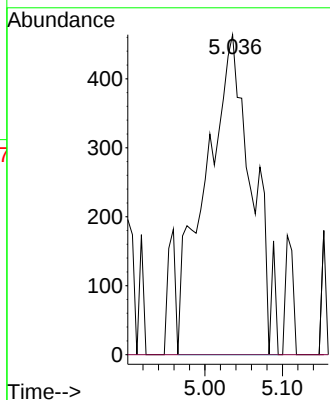
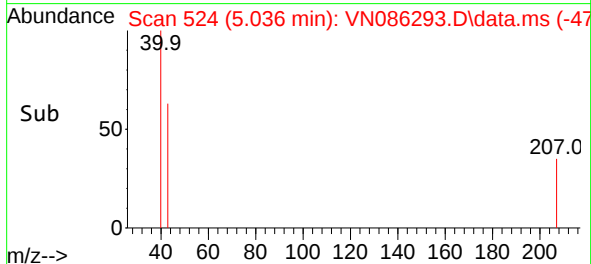


#18
Methyl Acetate
Concen: 0.596 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN086293.D
Acq: 16 Apr 2025 13:38

Instrument :
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ClientSampleId :
RINSE-EB-TANK-041525

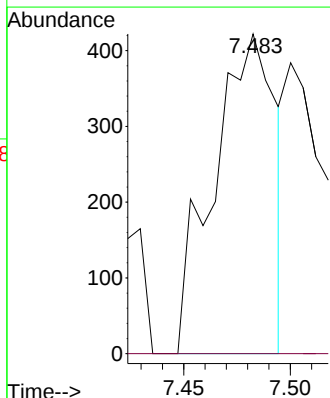
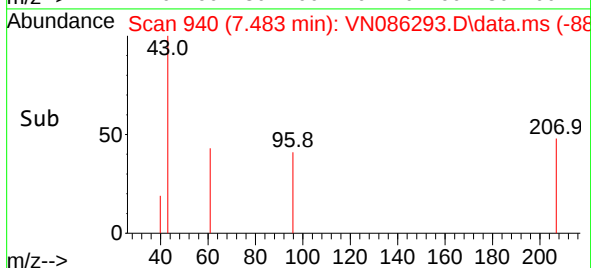
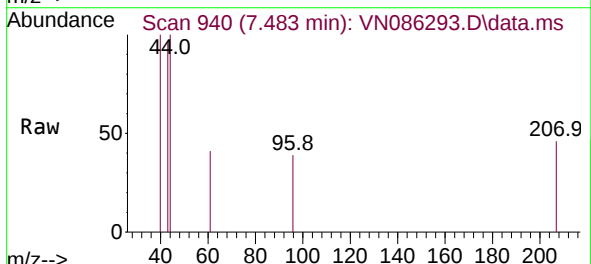


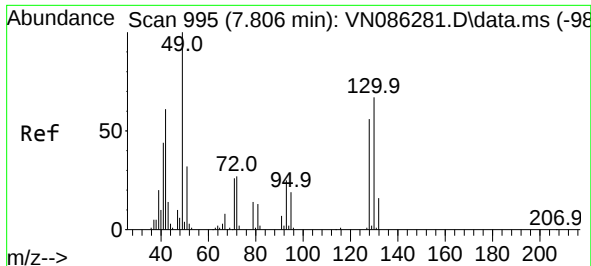
Tgt Ion: 43 Resp: 1941
Ion Ratio Lower Upper
43 100
74 0.0 19.8 29.6#



#25
2-Butanone
Concen: 0.505 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN086293.D
Acq: 16 Apr 2025 13:38

Tgt Ion: 43 Resp: 852
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#

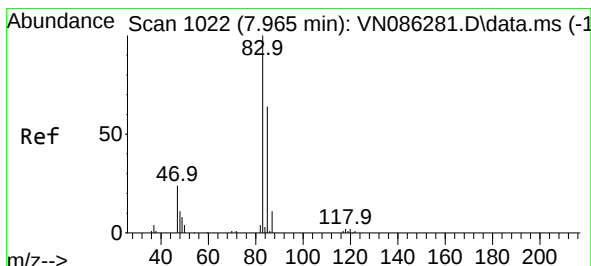
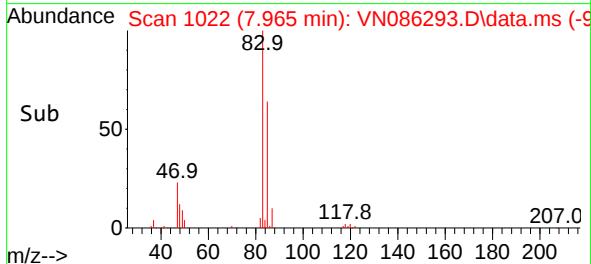
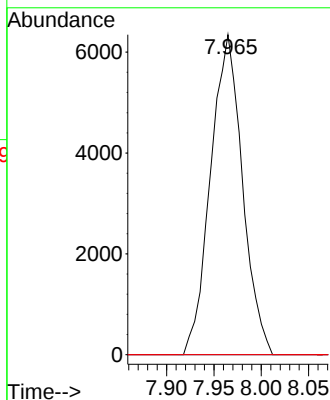
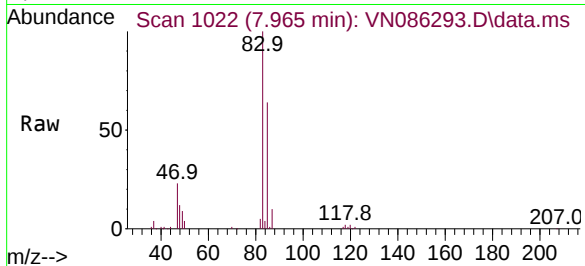




#28
Bromochloromethane
Concen: 7.808 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.159 min
Lab File: VN086293.D
Acq: 16 Apr 2025 13:38

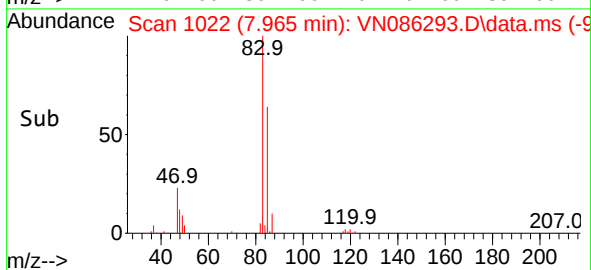
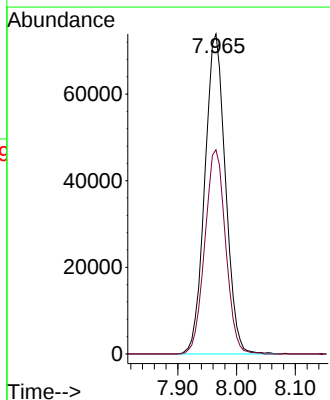
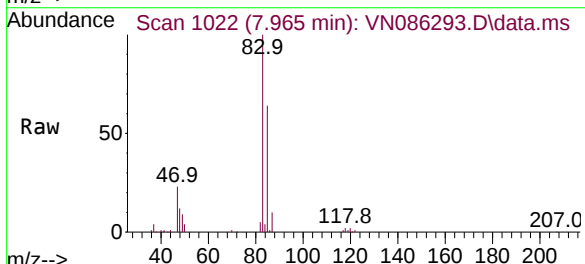
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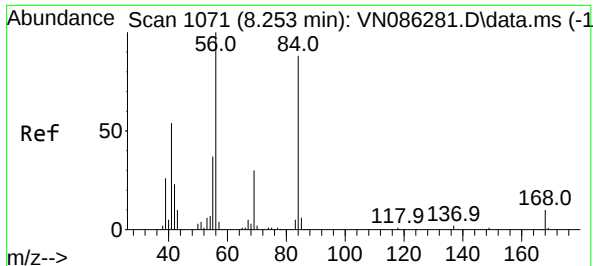
Tgt Ion: 49 Resp: 14875
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.4
130 0.0 57.1 85.7#



#30
Chloroform
Concen: 40.846 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN086293.D
Acq: 16 Apr 2025 13:38

Tgt Ion: 83 Resp: 180293
Ion Ratio Lower Upper
83 100
85 63.8 51.5 77.3

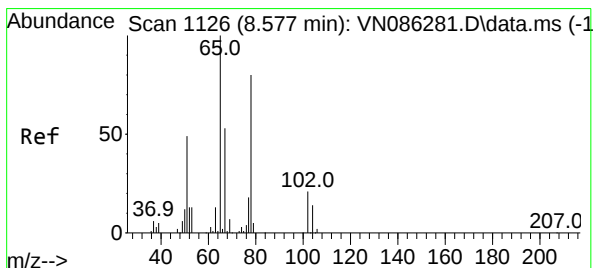
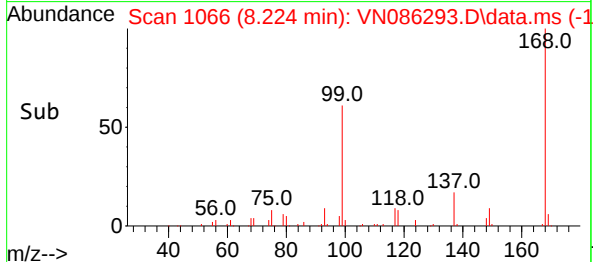
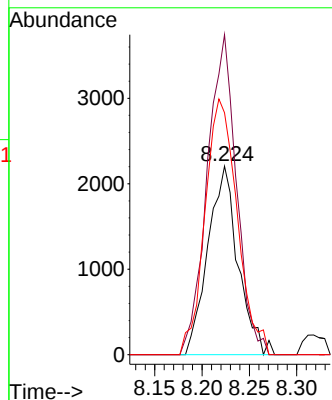
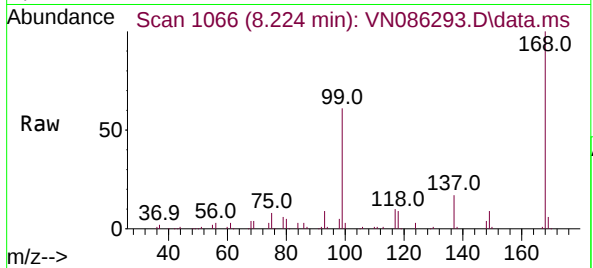




#31
Cyclohexane
Concen: 1.109 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN086293.D
Acq: 16 Apr 2025 13:38

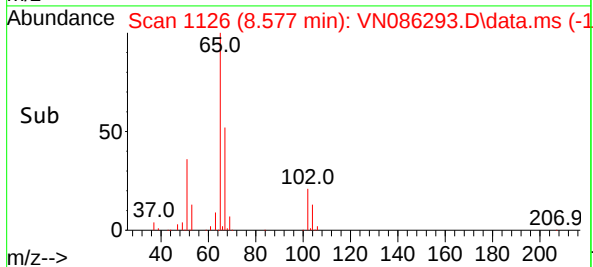
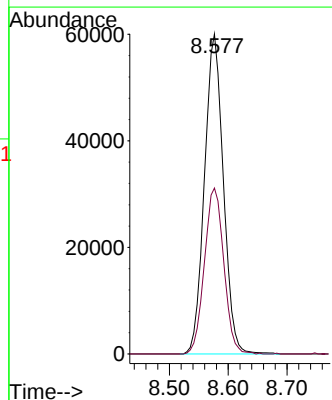
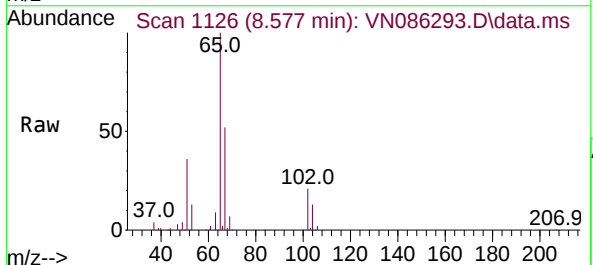
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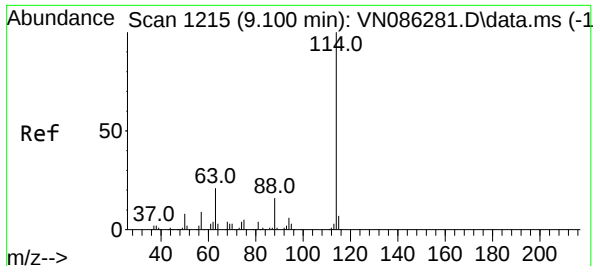
Tgt Ion: 56 Resp: 4876
Ion Ratio Lower Upper
56 100
69 169.7 24.2 36.2#
84 128.3 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 49.351 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086293.D
Acq: 16 Apr 2025 13:38

Tgt Ion: 65 Resp: 133897
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.0

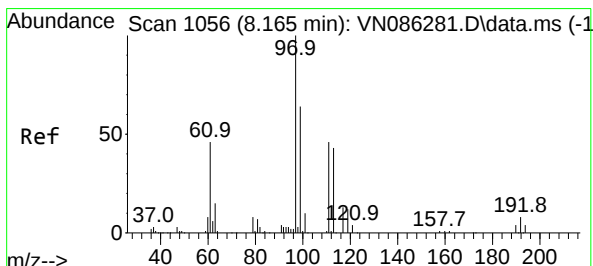
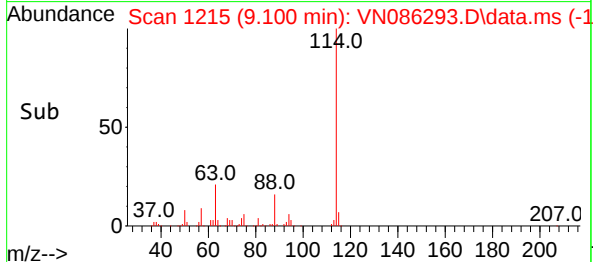
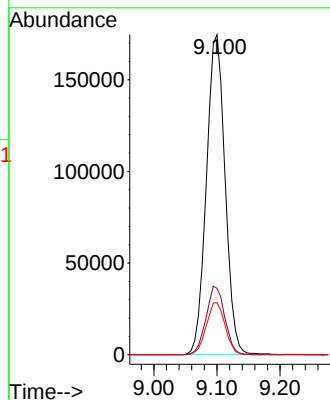
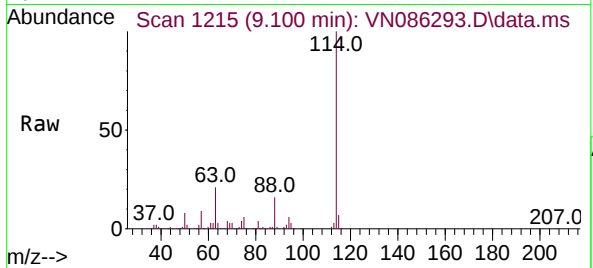




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086293.D
Acq: 16 Apr 2025 13:38

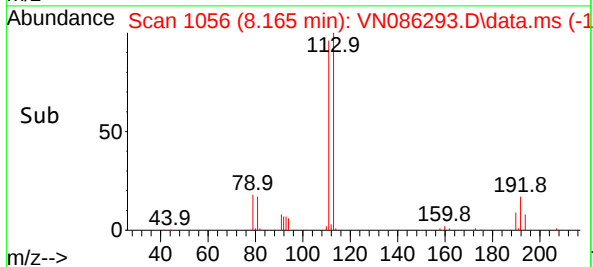
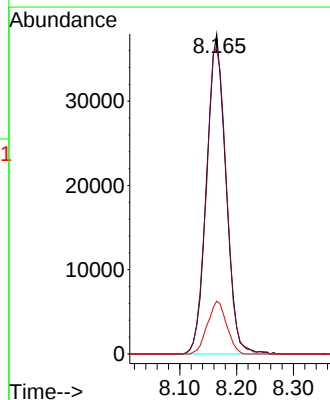
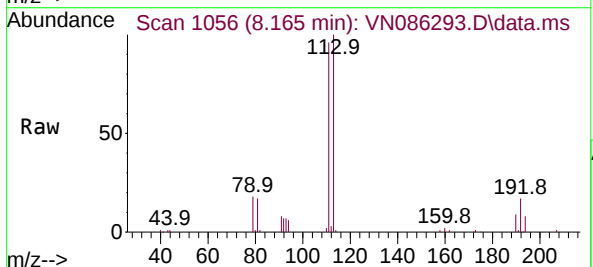
Instrument :
MSVOA_N
ClientSampleId :
RINSE-EB-TANK-041525

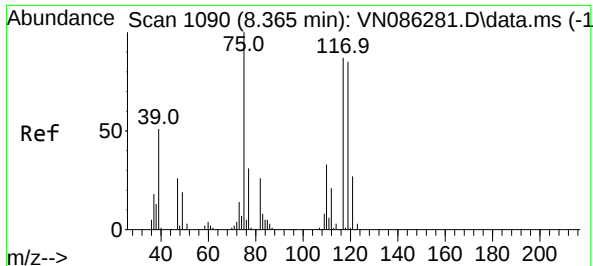
Tgt Ion:114 Resp: 358779
Ion Ratio Lower Upper
114 100
63 20.7 0.0 42.6
88 16.2 0.0 31.8



#35
Dibromofluoromethane
Concen: 53.593 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086293.D
Acq: 16 Apr 2025 13:38

Tgt Ion:113 Resp: 89240
Ion Ratio Lower Upper
113 100
111 100.4 83.4 125.0
192 16.4 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.749 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086293.D

Acq: 16 Apr 2025 13:38

Instrument :

MSVOA_N

ClientSampleId :

RINSE-EB-TANK-041525

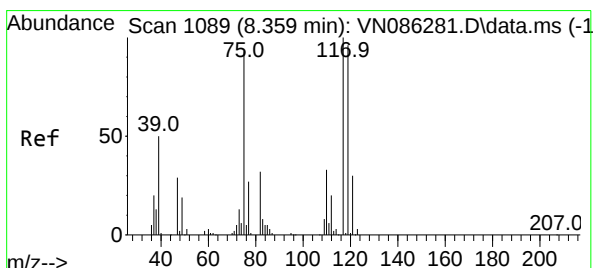
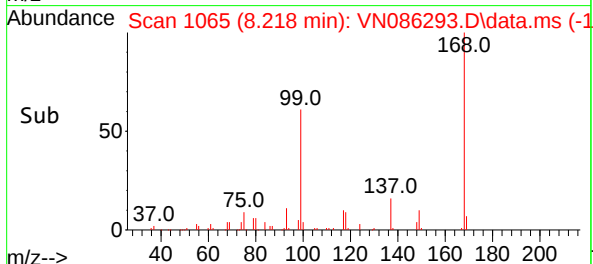
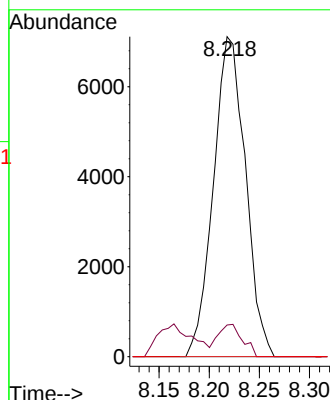
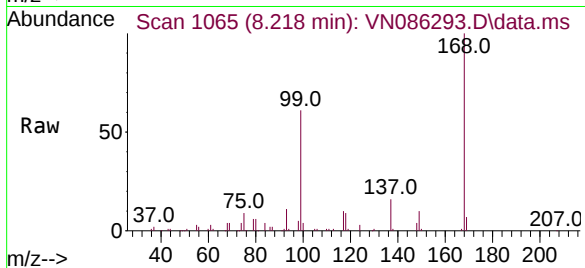
Tgt Ion: 75 Resp: 15793

Ion Ratio Lower Upper

75 100

110 7.7 16.8 50.4#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.059 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN086293.D

Acq: 16 Apr 2025 13:38

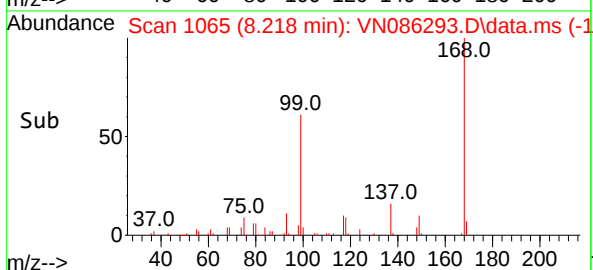
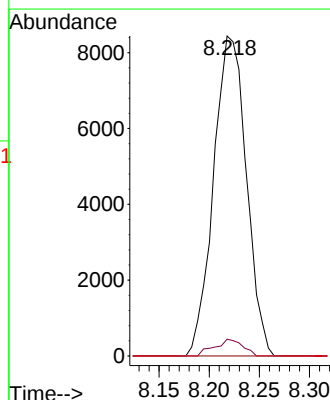
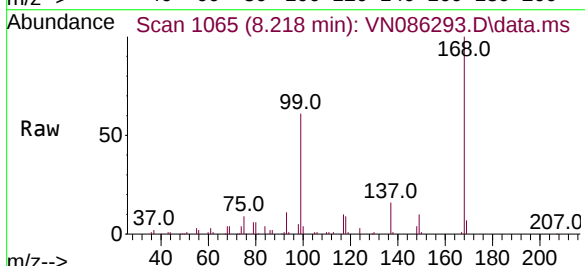
Tgt Ion: 117 Resp: 19189

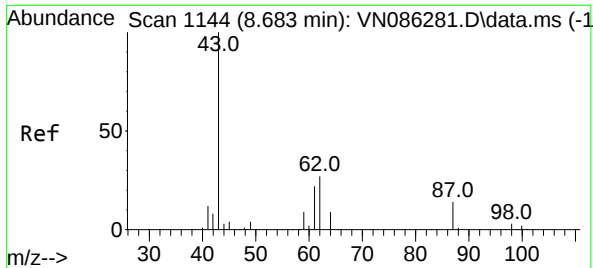
Ion Ratio Lower Upper

117 100

119 5.2 76.8 115.2#

121 0.0 23.8 35.8#





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.665 min Scan# 1141

Delta R.T. -0.018 min

Lab File: VN086293.D

Acq: 16 Apr 2025 13:38

Instrument :

MSVOA_N

ClientSampleId :

RINSE-EB-TANK-041525

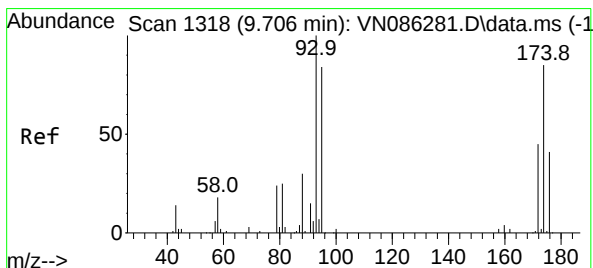
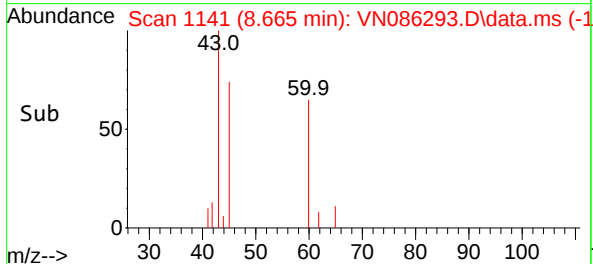
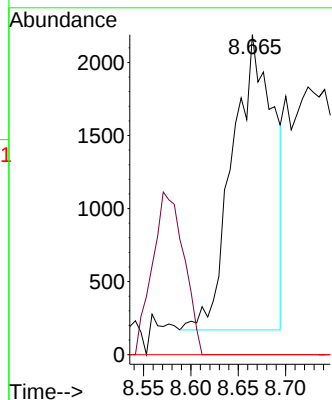
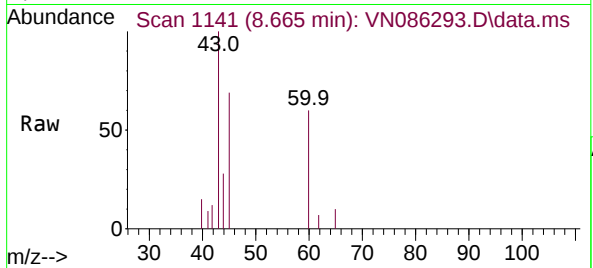
Tgt Ion: 43 Resp: 6136

Ion Ratio Lower Upper

43 100

61 0.0 20.5 30.7#

87 0.0 10.5 15.7#



#46

Dibromomethane

Concen: 0.645 ug/l

RT: 9.882 min Scan# 1348

Delta R.T. 0.176 min

Lab File: VN086293.D

Acq: 16 Apr 2025 13:38

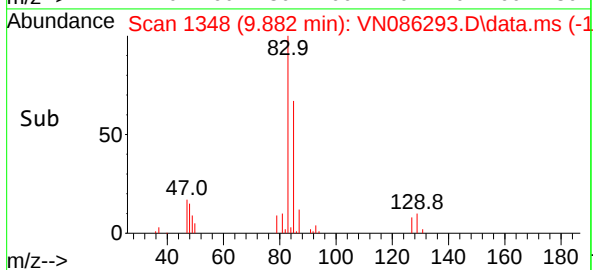
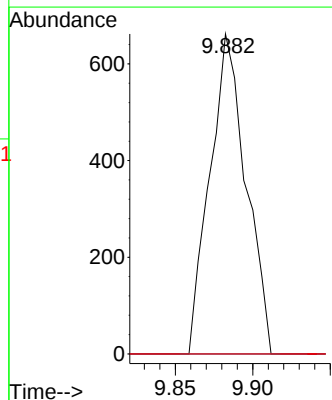
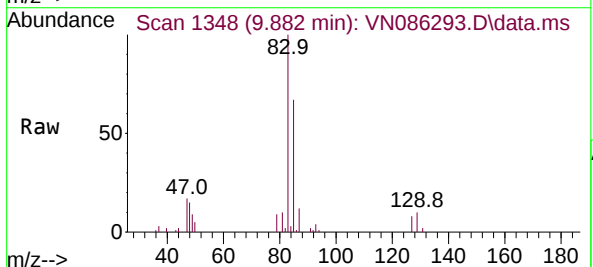
Tgt Ion: 93 Resp: 1072

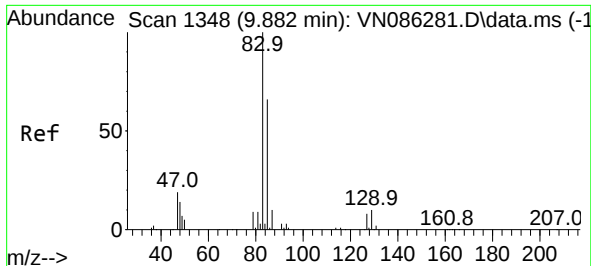
Ion Ratio Lower Upper

93 100

95 0.0 66.2 99.4#

174 0.0 67.8 101.6#





#47

Bromodichloromethane

Concen: 10.676 ug/l

RT: 9.888 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN086293.D

Acq: 16 Apr 2025 13:38

Instrument :

MSVOA_N

ClientSampleId :

RINSE-EB-TANK-041525

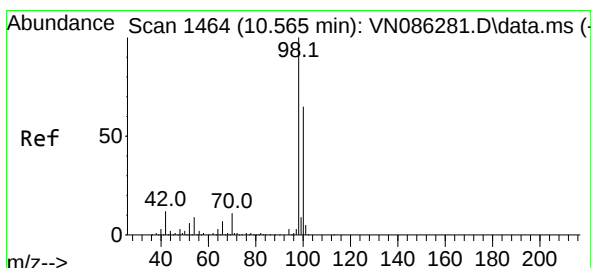
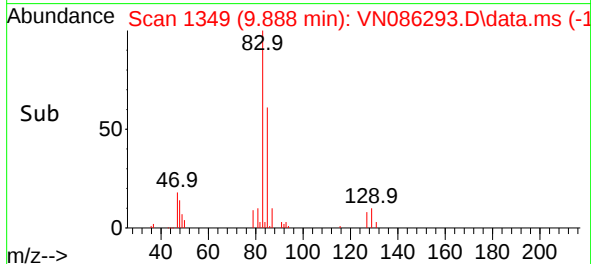
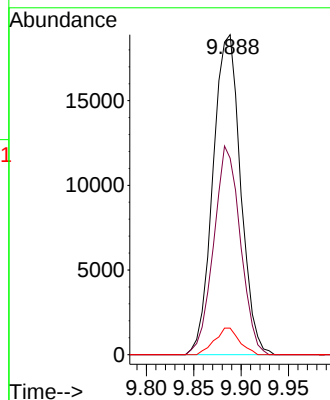
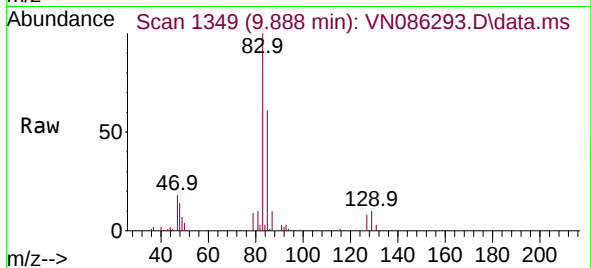
Tgt Ion: 83 Resp: 38322

Ion Ratio Lower Upper

83 100

85 61.4 52.6 78.8

127 8.3 6.1 9.1



#50

Toluene-d8

Concen: 50.436 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086293.D

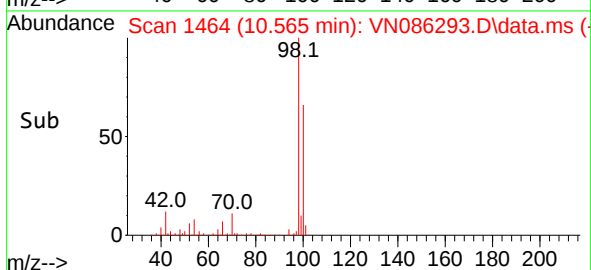
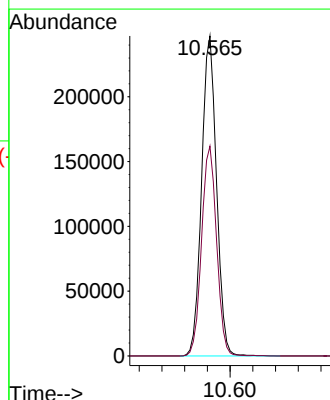
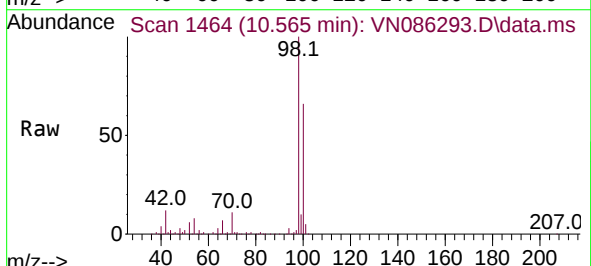
Acq: 16 Apr 2025 13:38

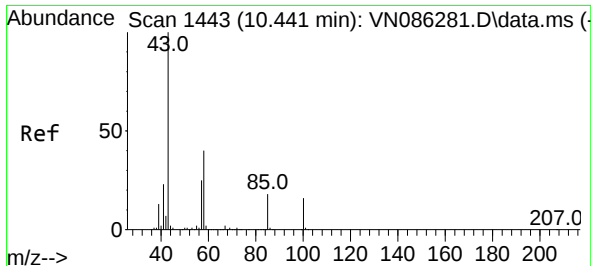
Tgt Ion: 98 Resp: 448849

Ion Ratio Lower Upper

98 100

100 65.9 52.5 78.7

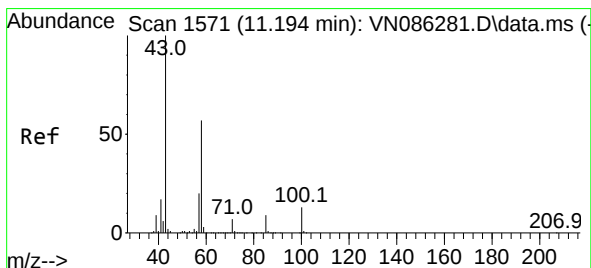
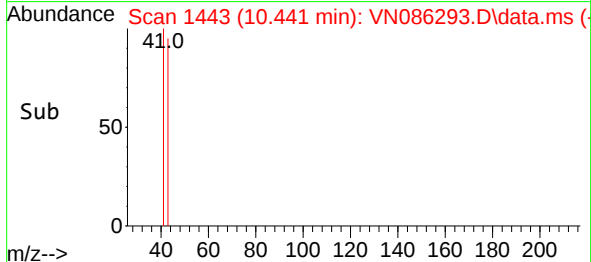
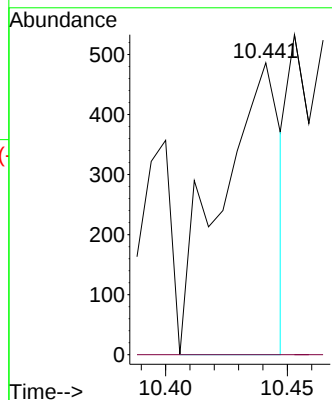
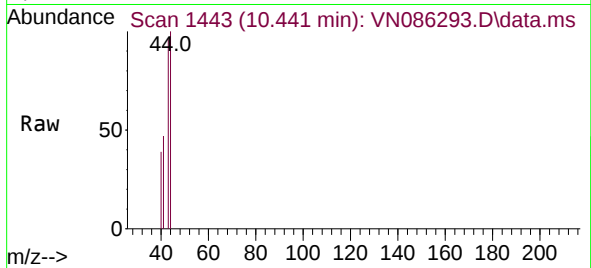




#51
4-Methyl-2-Pentanone
Concen: 0.231 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086293.D
Acq: 16 Apr 2025 13:38

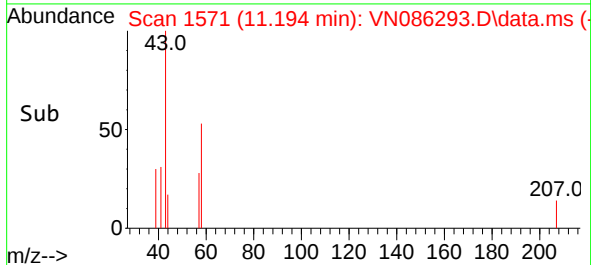
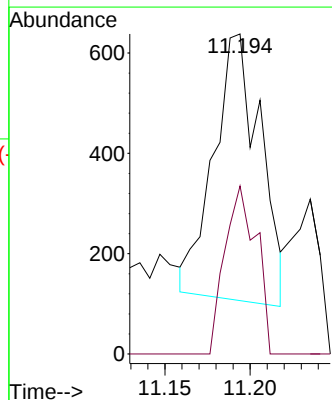
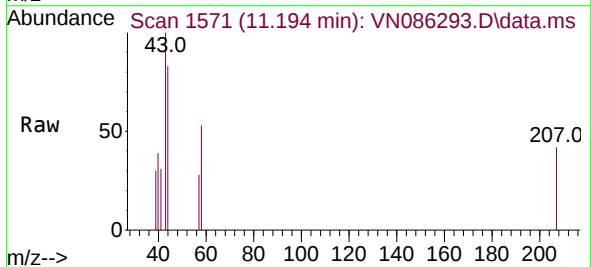
Instrument :
MSVOA_N
ClientSampleId :
RINSE-EB-TANK-041525

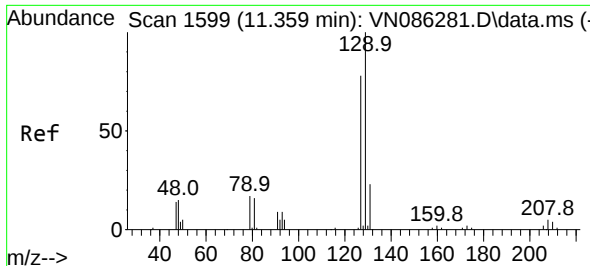
Tgt Ion: 43 Resp: 830
Ion Ratio Lower Upper
43 100
58 0.0 32.2 48.4#



#59
2-Hexanone
Concen: 0.378 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN086293.D
Acq: 16 Apr 2025 13:38

Tgt Ion: 43 Resp: 1006
Ion Ratio Lower Upper
43 100
58 42.9 28.3 85.0

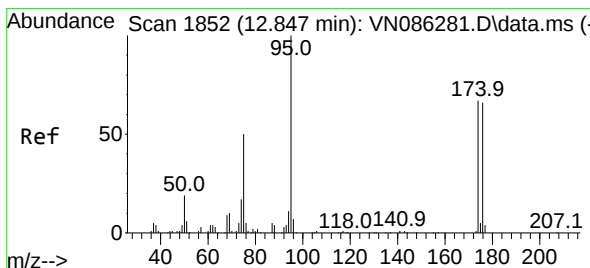
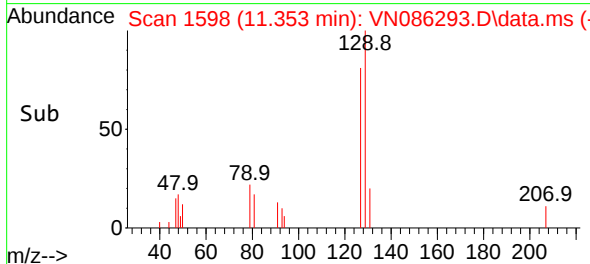
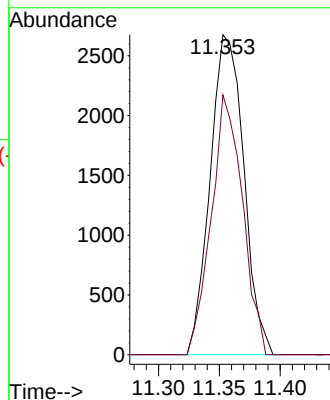
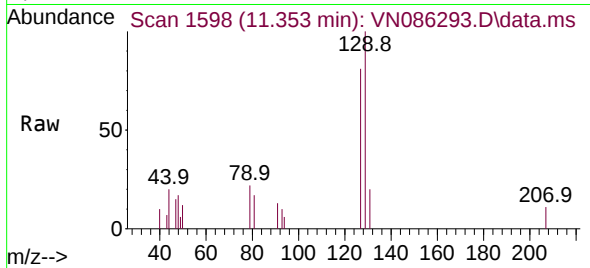




#60
Dibromochloromethane
Concen: 1.962 ug/l
RT: 11.353 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086293.D
Acq: 16 Apr 2025 13:38

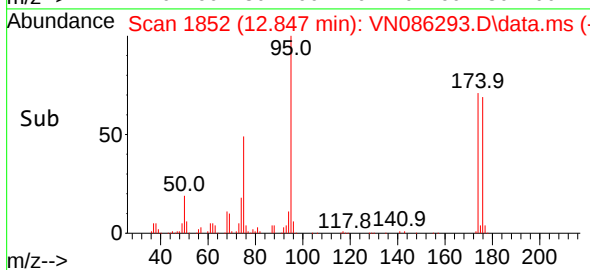
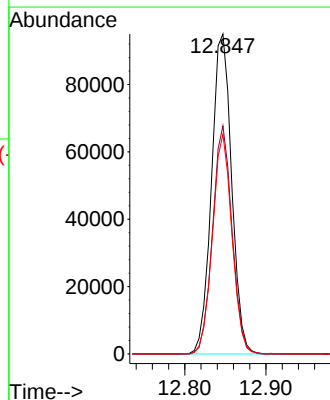
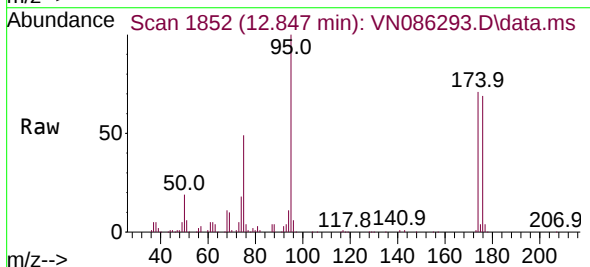
Instrument :
MSVOA_N
ClientSampleId :
RINSE-EB-TANK-041525

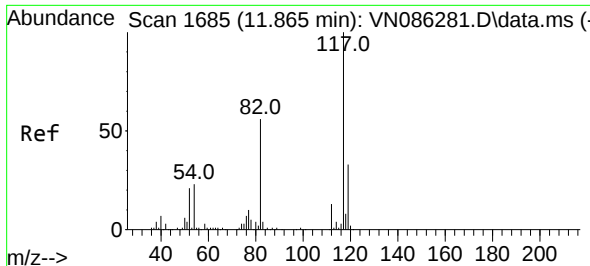
Tgt Ion:129 Resp: 5154
Ion Ratio Lower Upper
129 100
127 75.3 38.7 116.1



#62
4-Bromofluorobenzene
Concen: 50.296 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086293.D
Acq: 16 Apr 2025 13:38

Tgt Ion: 95 Resp: 163259
Ion Ratio Lower Upper
95 100
174 68.9 0.0 133.4
176 66.3 0.0 129.2

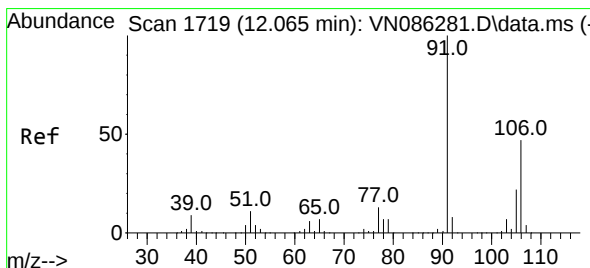
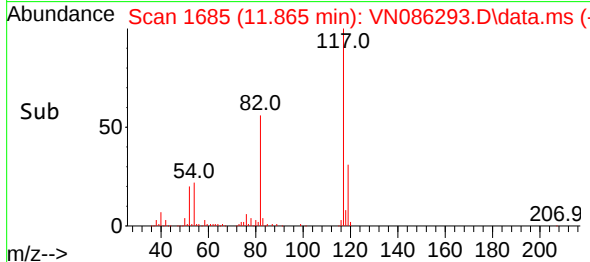
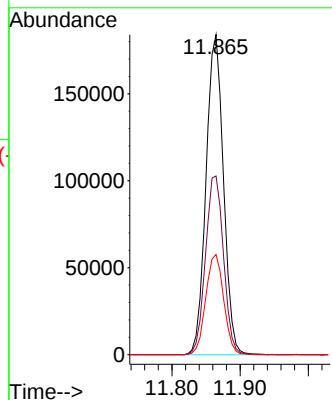
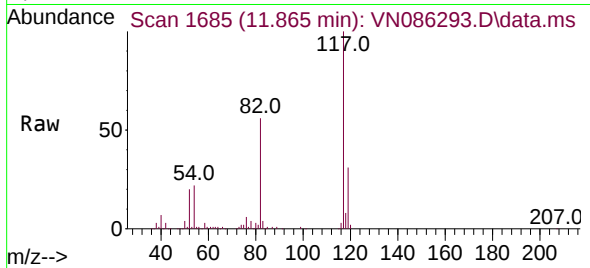




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN086293.D
Acq: 16 Apr 2025 13:38

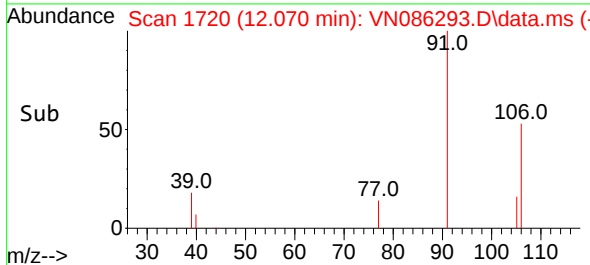
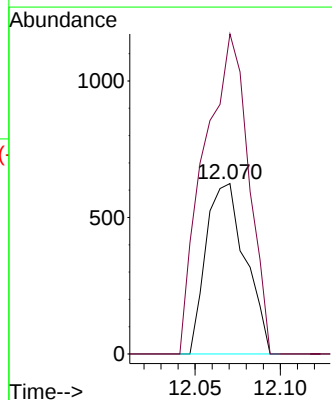
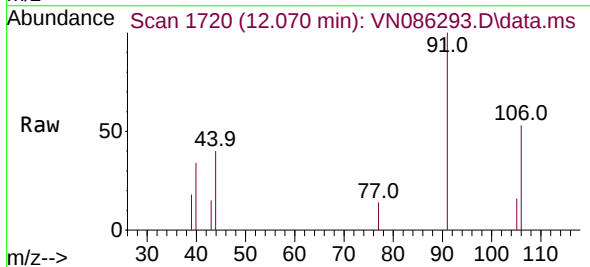
Instrument :
MSVOA_N
ClientSampleId :
RINSE-EB-TANK-041525

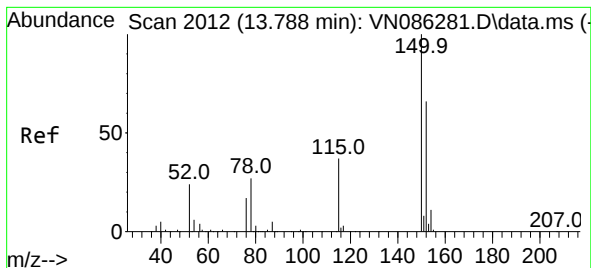
Tgt Ion:117 Resp: 327128
Ion Ratio Lower Upper
117 100
82 55.8 44.7 67.1
119 31.3 26.4 39.6



#68
m/p-Xylenes
Concen: 0.204 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN086293.D
Acq: 16 Apr 2025 13:38

Tgt Ion:106 Resp: 1005
Ion Ratio Lower Upper
106 100
91 211.4 166.5 249.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN086293.D

Acq: 16 Apr 2025 13:38

Instrument :

MSVOA_N

ClientSampleId :

RINSE-EB-TANK-041525

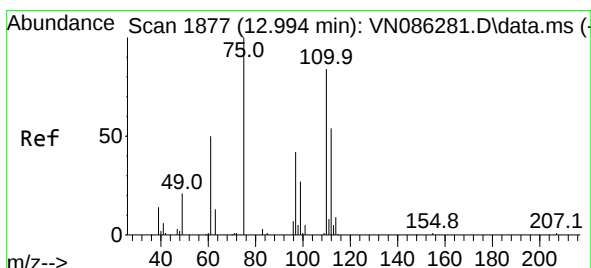
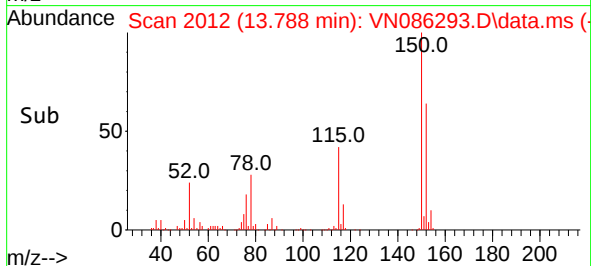
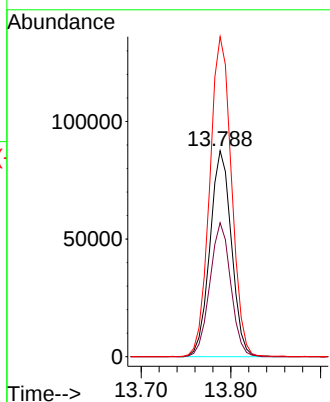
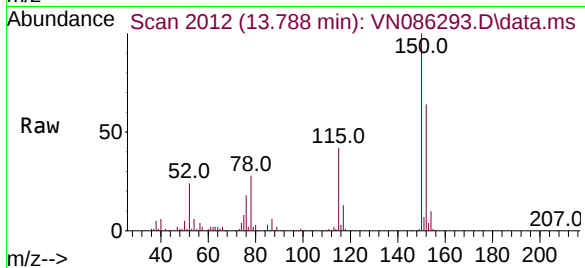
Tgt Ion:152 Resp: 145489

Ion Ratio Lower Upper

152 100

115 63.4 31.9 95.9

150 157.7 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 24.138 ug/l

RT: 12.841 min Scan# 1851

Delta R.T. -0.153 min

Lab File: VN086293.D

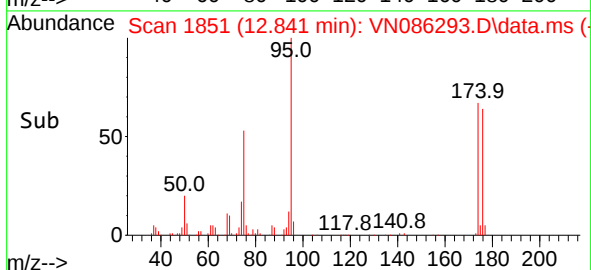
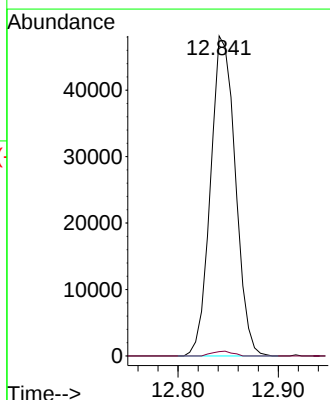
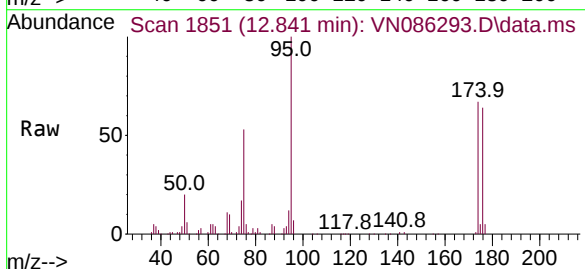
Acq: 16 Apr 2025 13:38

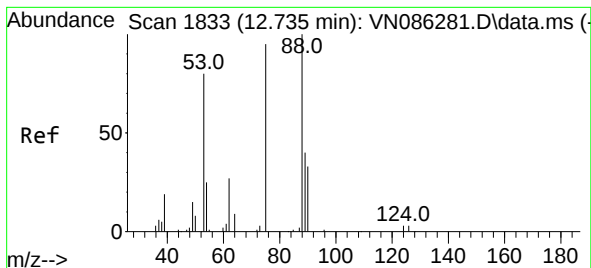
Tgt Ion: 75 Resp: 82875

Ion Ratio Lower Upper

75 100

77 1.2 98.8 296.4#

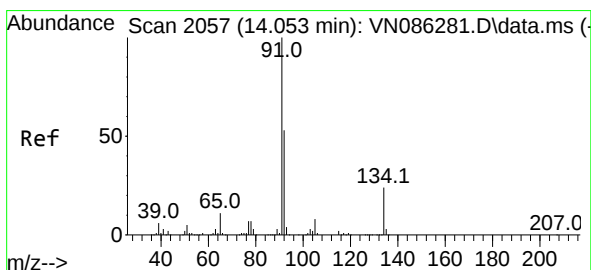
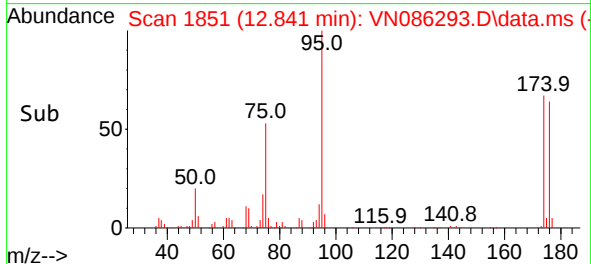
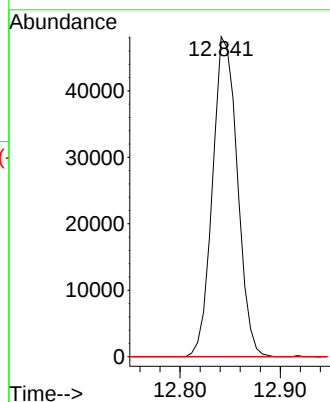
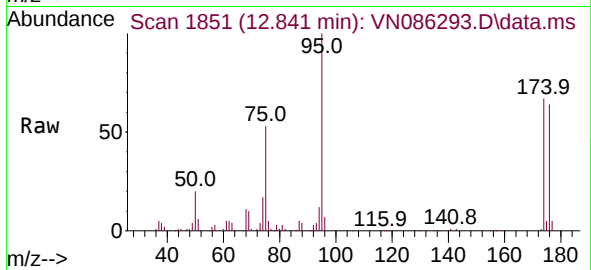




#81
trans-1,4-Dichloro-2-butene
Concen: 57.972 ug/l
RT: 12.841 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN086293.D
Acq: 16 Apr 2025 13:38

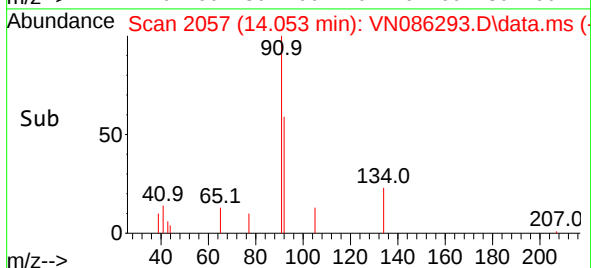
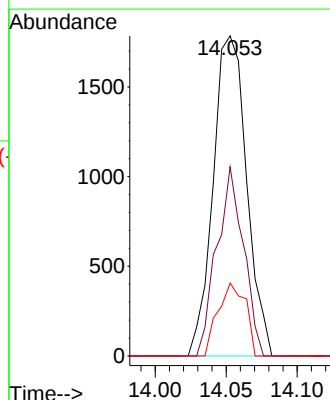
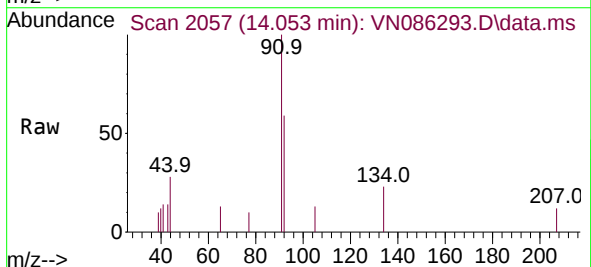
Instrument :
MSVOA_N
ClientSampleId :
RINSE-EB-TANK-041525

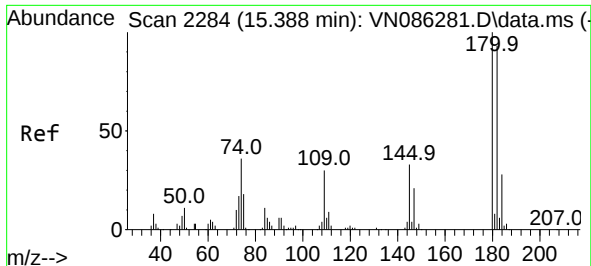
Tgt Ion: 75 Resp: 82875
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#



#89
n-Butylbenzene
Concen: 0.342 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN086293.D
Acq: 16 Apr 2025 13:38

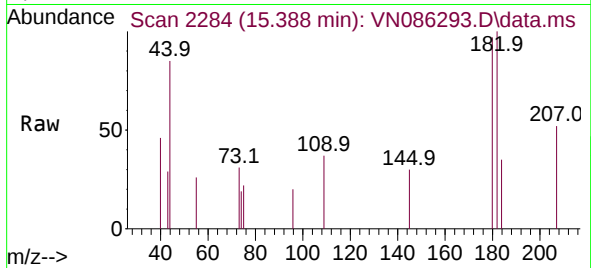
Tgt Ion: 91 Resp: 2924
Ion Ratio Lower Upper
91 100
92 47.2 26.8 80.4
134 18.7 12.2 36.6



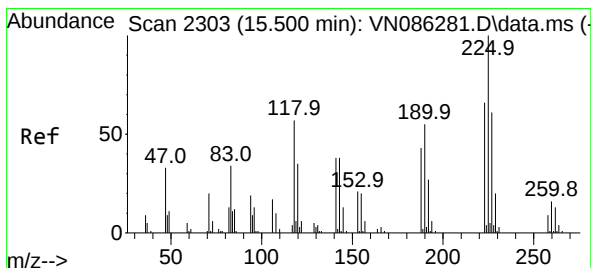
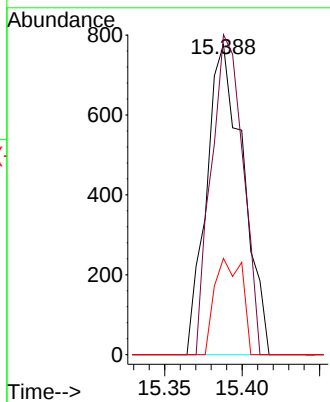
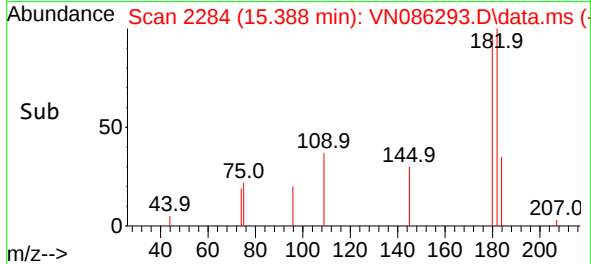


#93
 1,2,4-Trichlorobenzene
 Concen: 0.554 ug/l
 RT: 15.388 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN086293.D
 Acq: 16 Apr 2025 13:38

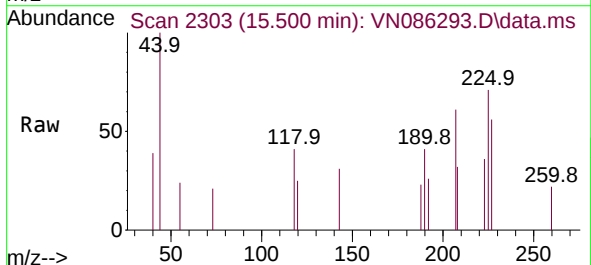
Instrument :
 MSVOA_N
 ClientSampleId :
 RINSE-EB-TANK-041525



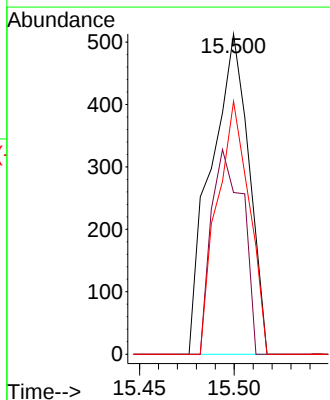
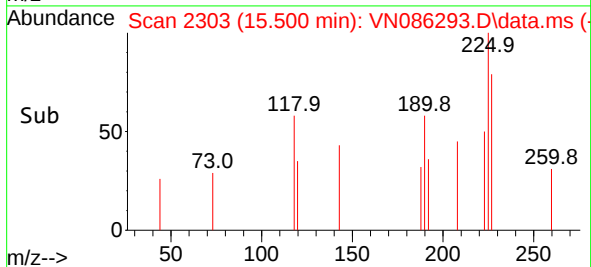
Tgt Ion:180 Resp: 1274
 Ion Ratio Lower Upper
 180 100
 182 89.4 47.0 141.0
 145 23.2 16.4 49.1

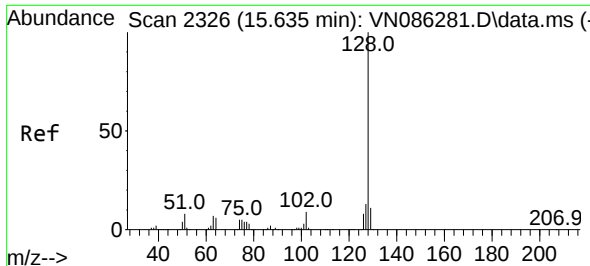


#94
 Hexachlorobutadiene
 Concen: 0.820 ug/l
 RT: 15.500 min Scan# 2303
 Delta R.T. -0.000 min
 Lab File: VN086293.D
 Acq: 16 Apr 2025 13:38



Tgt Ion:225 Resp: 712
 Ion Ratio Lower Upper
 225 100
 223 53.4 32.8 98.3
 227 67.0 31.4 94.0

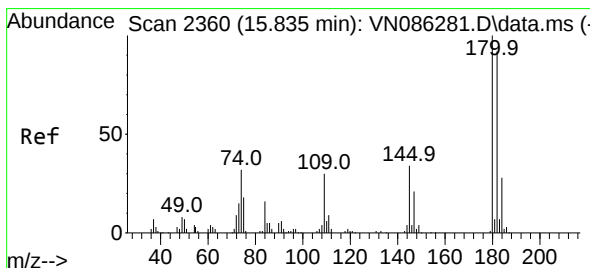
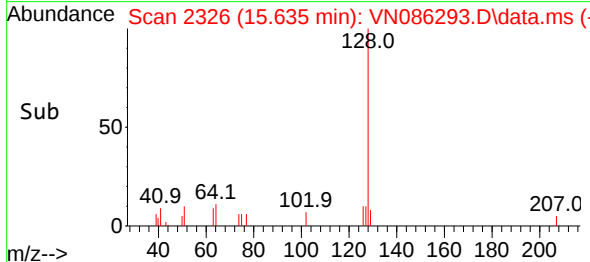
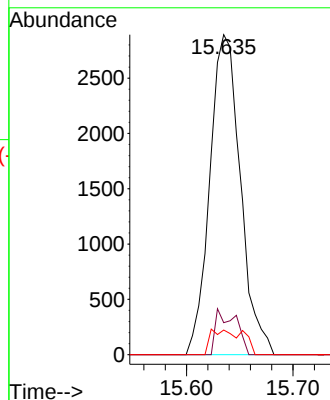
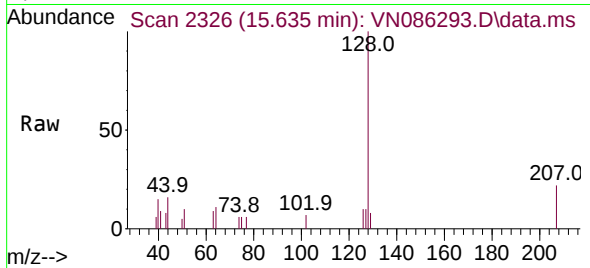




#95
Naphthalene
Concen: 0.708 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN086293.D
Acq: 16 Apr 2025 13:38

Instrument :
MSVOA_N
ClientSampleId :
RINSE-EB-TANK-041525

Tgt Ion:128 Resp: 5775
Ion Ratio Lower Upper
128 100
127 9.4 10.2 15.4#
129 8.3 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.556 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086293.D
Acq: 16 Apr 2025 13:38

Tgt Ion:180 Resp: 1212
Ion Ratio Lower Upper
180 100
182 106.8 47.3 142.0
145 24.9 17.2 51.5

