

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
 Data File : VN086924.D
 Acq On : 10 Jun 2025 13:34
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 11 01:54:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

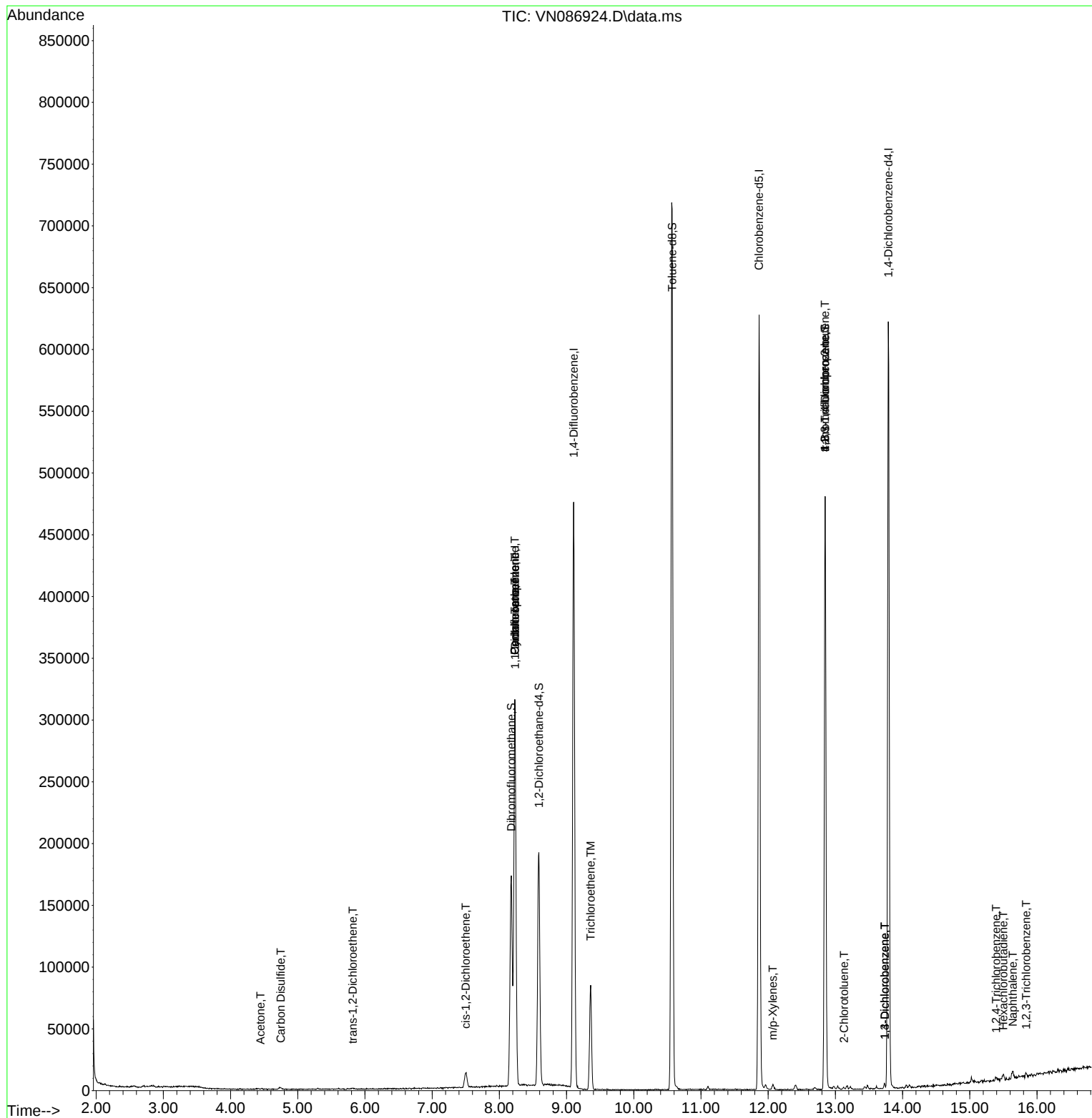
Internal Standards						
1) Pentafluorobenzene	8.230	168	242189	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	448471	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	388518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	184311	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	155596	47.984	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.960%
35) Dibromofluoromethane	8.177	113	130634	49.152	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.300%
50) Toluene-d8	10.571	98	538266	51.160	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.320%
62) 4-Bromofluorobenzene	12.847	95	192204	49.170	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.340%
Target Compounds						
					Qvalue	
16) Acetone	4.447	43	1028	0.598	ug/l #	40
17) Carbon Disulfide	4.747	76	2550	0.342	ug/l #	75
21) trans-1,2-Dichloroethene	5.818	96	1318	0.439	ug/l #	43
27) cis-1,2-Dichloroethene	7.500	96	9812	2.736	ug/l	76
31) Cyclohexane	8.230	56	4596	0.874	ug/l #	1
36) 1,1-Dichloropropene	8.235	75	18851	4.760	ug/l #	47
38) Carbon Tetrachloride	8.230	117	23669	6.088	ug/l #	19
44) Trichloroethene	9.359	130	33029	10.756	ug/l	98
68) m/p-Xylenes	12.070	106	1797	0.318	ug/l	94
76) 1,2,3-Trichloropropane	12.847	75	89145	20.347	ug/l #	1
79) 2-Chlorotoluene	13.129	91	2107	0.215	ug/l	80
81) trans-1,4-Dichloro-2-b...	12.847	75	89145	46.839	ug/l #	16
87) 1,3-Dichlorobenzene	13.735	146	1305	0.215	ug/l	88
88) 1,4-Dichlorobenzene	13.735	146	1305	0.211	ug/l	90
93) 1,2,4-Trichlorobenzene	15.394	180	970	0.261	ug/l	91
94) Hexachlorobutadiene	15.500	225	883	0.638	ug/l	90
95) Naphthalene	15.641	128	6162	0.445	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.841	180	977	0.265	ug/l	95

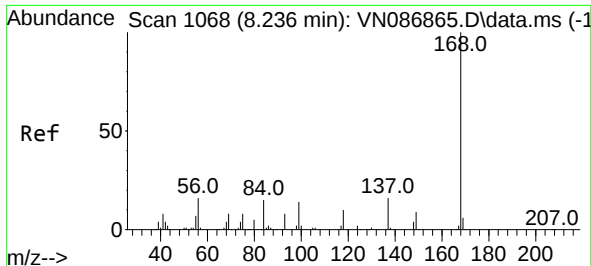
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

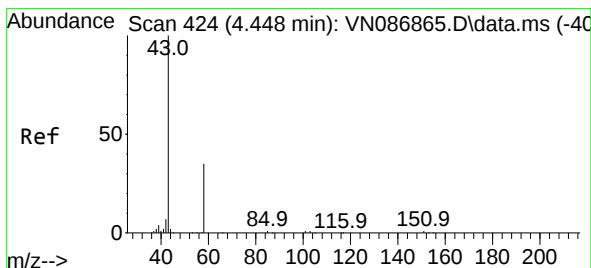
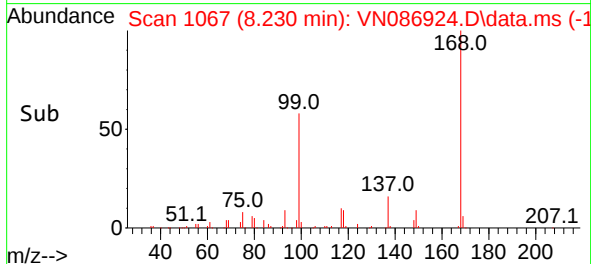
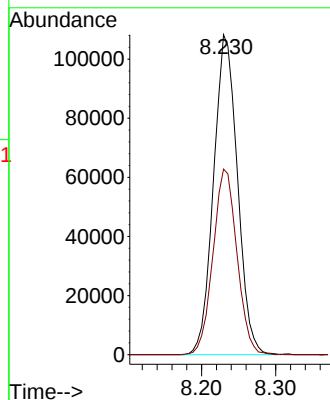
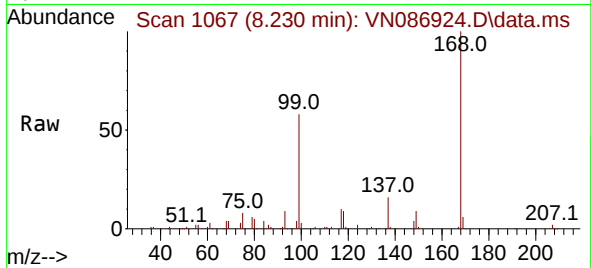




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN086924.D
Acq: 10 Jun 2025 13:34

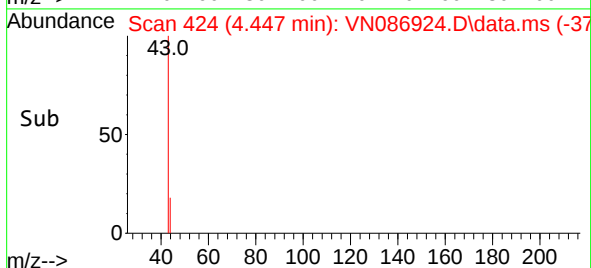
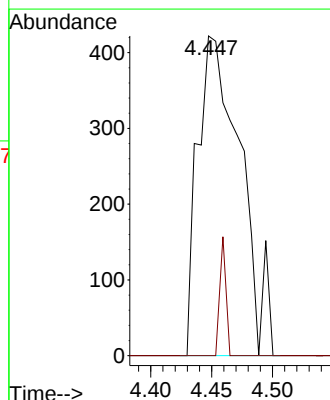
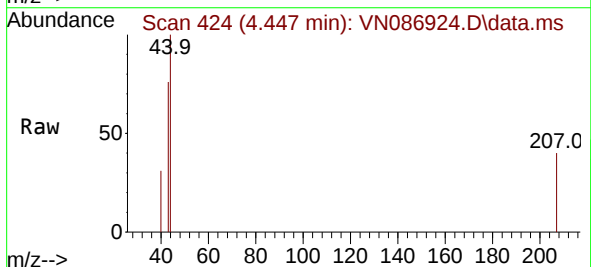
Instrument :
MSVOA_N
ClientSampleId :
IBLK

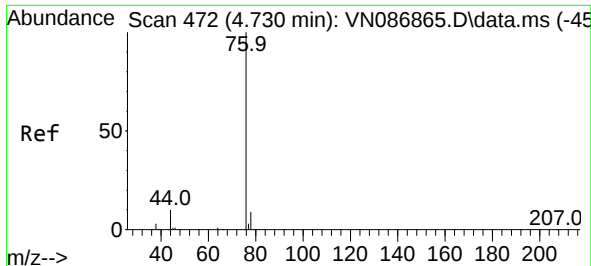
Tgt Ion:168 Resp: 242189
Ion Ratio Lower Upper
168 100
99 58.0 49.1 73.7



#16
Acetone
Concen: 0.598 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN086924.D
Acq: 10 Jun 2025 13:34

Tgt Ion: 43 Resp: 1028
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#





#17

Carbon Disulfide

Concen: 0.342 ug/l

RT: 4.747 min Scan# 41

Delta R.T. 0.017 min

Lab File: VN086924.D

Acq: 10 Jun 2025 13:34

Instrument :

MSVOA_N

ClientSampleId :

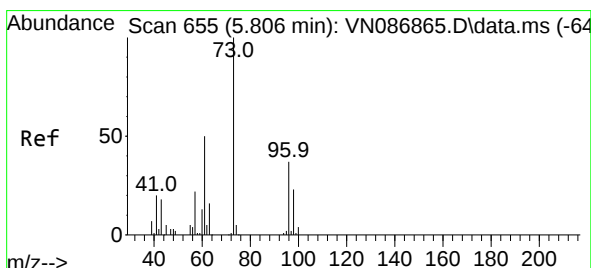
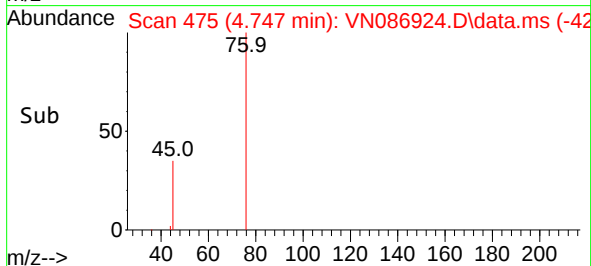
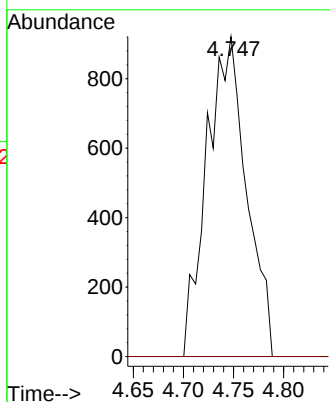
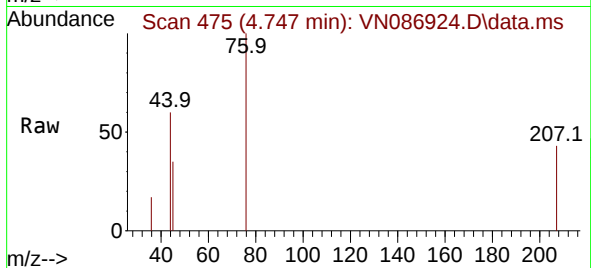
IBLK

Tgt Ion: 76 Resp: 2550

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#



#21

trans-1,2-Dichloroethene

Concen: 0.439 ug/l

RT: 5.818 min Scan# 657

Delta R.T. 0.012 min

Lab File: VN086924.D

Acq: 10 Jun 2025 13:34

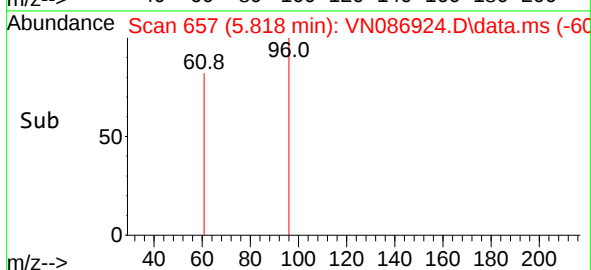
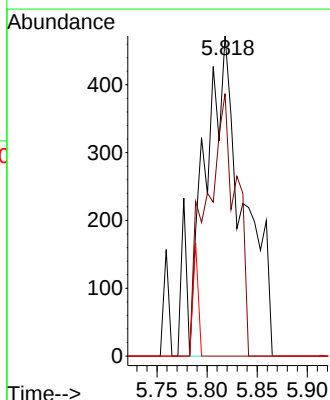
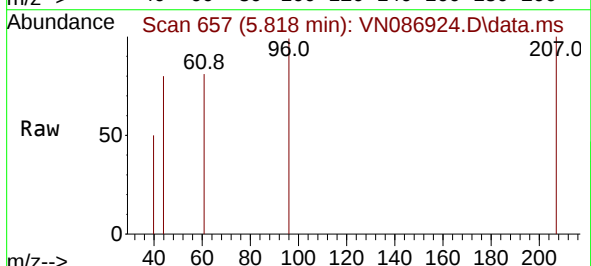
Tgt Ion: 96 Resp: 1318

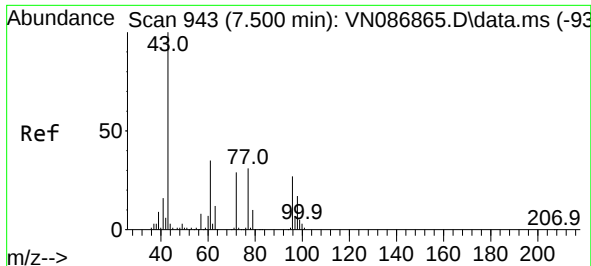
Ion Ratio Lower Upper

96 100

61 82.0 109.2 163.8#

98 0.0 49.8 74.8#

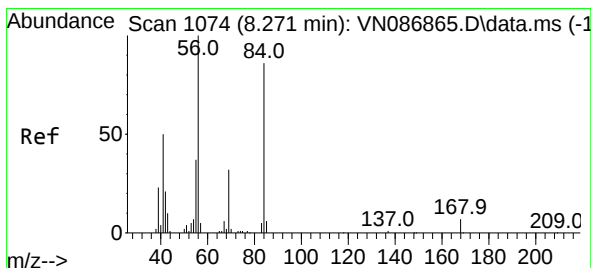
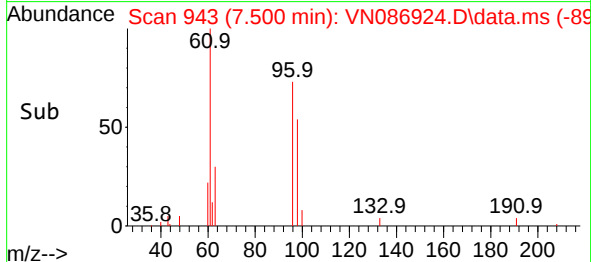
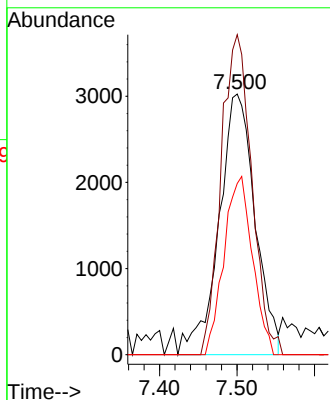
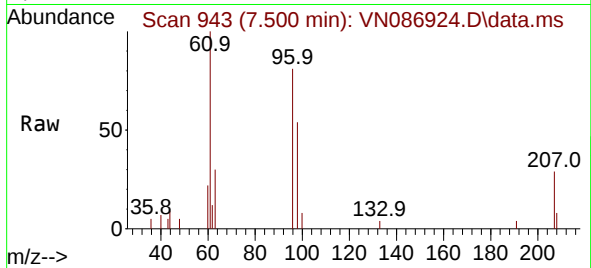




#27
 cis-1,2-Dichloroethene
 Concen: 2.736 ug/l
 RT: 7.500 min Scan# 94
 Delta R.T. -0.000 min
 Lab File: VN086924.D
 Acq: 10 Jun 2025 13:34

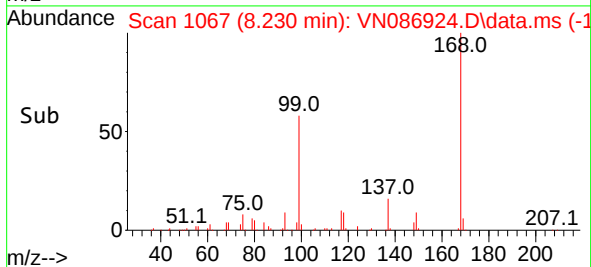
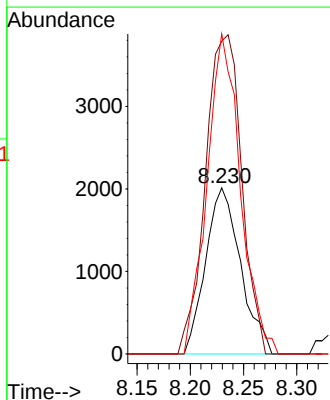
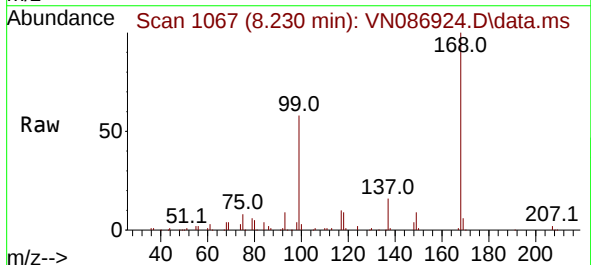
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

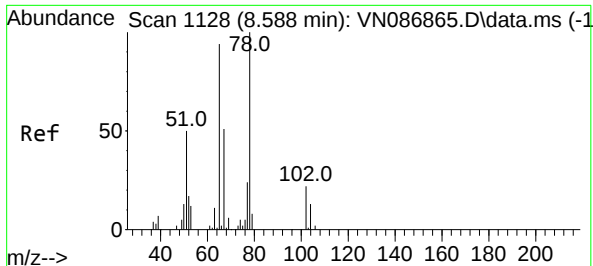
Tgt Ion: 96 Resp: 9812
 Ion Ratio Lower Upper
 96 100
 61 104.0 0.0 278.0
 98 54.0 0.0 128.2



#31
 Cyclohexane
 Concen: 0.874 ug/l
 RT: 8.230 min Scan# 1067
 Delta R.T. -0.041 min
 Lab File: VN086924.D
 Acq: 10 Jun 2025 13:34

Tgt Ion: 56 Resp: 4596
 Ion Ratio Lower Upper
 56 100
 69 188.4 25.4 38.0#
 84 192.7 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 47.984 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN086924.D

Acq: 10 Jun 2025 13:34

Instrument :

MSVOA_N

ClientSampleId :

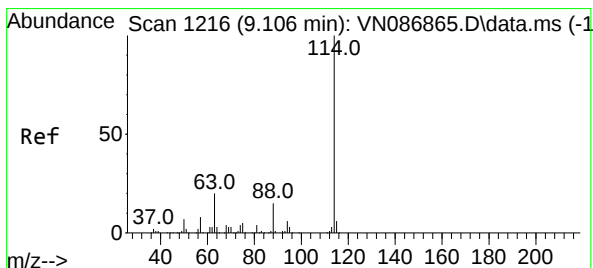
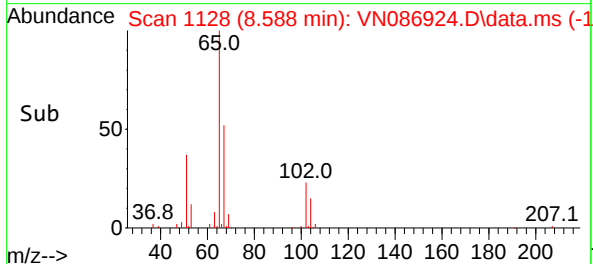
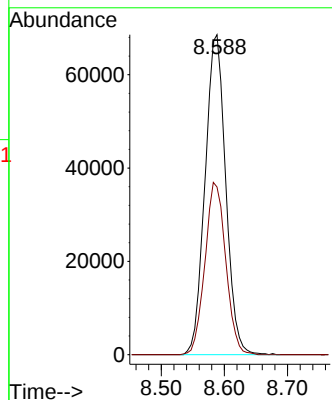
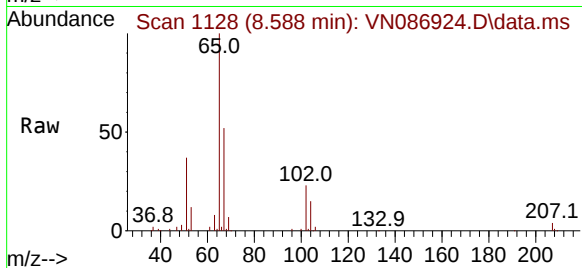
IBLK

Tgt Ion: 65 Resp: 155596

Ion Ratio Lower Upper

65 100

67 54.2 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN086924.D

Acq: 10 Jun 2025 13:34

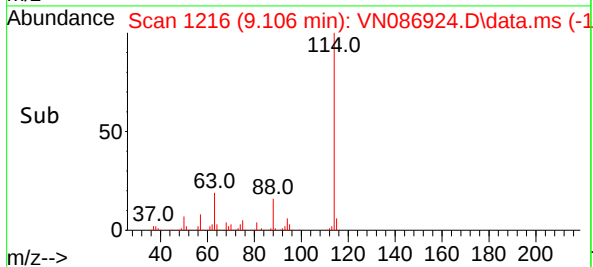
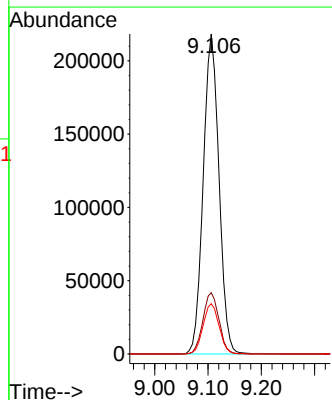
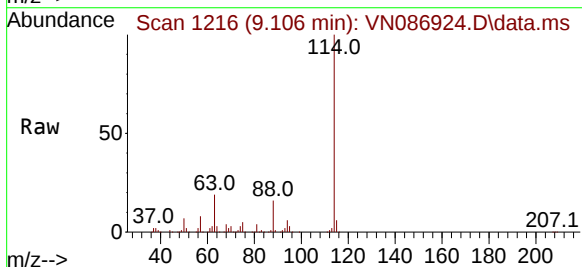
Tgt Ion: 114 Resp: 448471

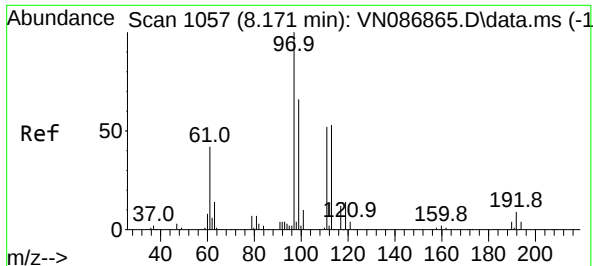
Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

88 15.7 0.0 30.2





#35

Dibromofluoromethane

Concen: 49.152 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN086924.D

Acq: 10 Jun 2025 13:34

Instrument :

MSVOA_N

ClientSampleId :

IBLK

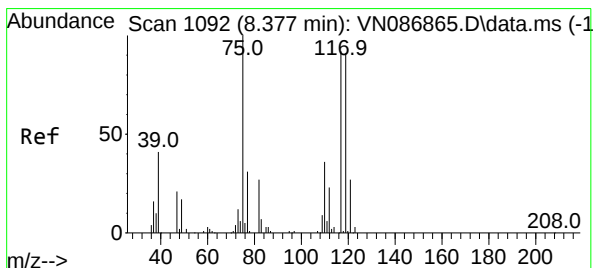
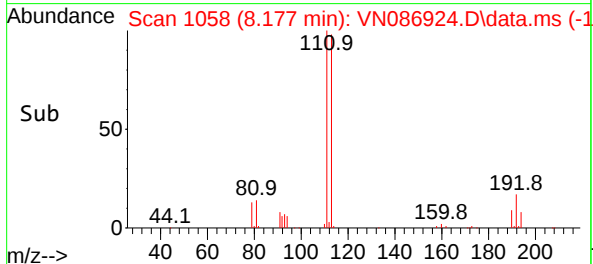
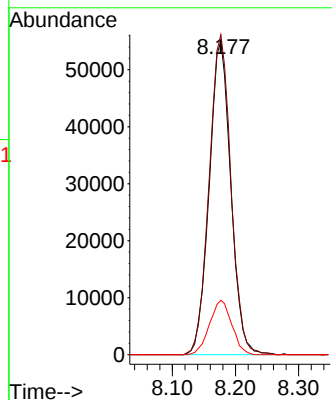
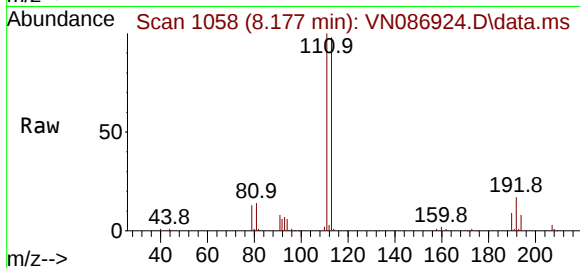
Tgt Ion:113 Resp: 130634

Ion Ratio Lower Upper

113 100

111 103.1 84.2 126.2

192 17.9 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.760 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN086924.D

Acq: 10 Jun 2025 13:34

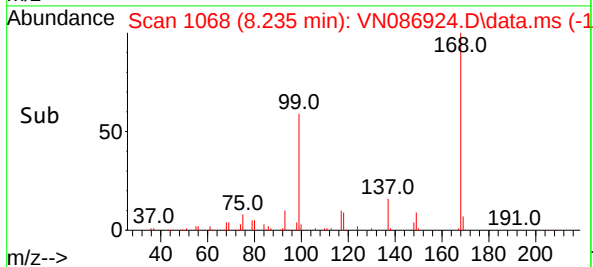
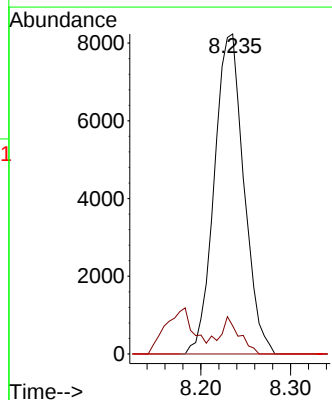
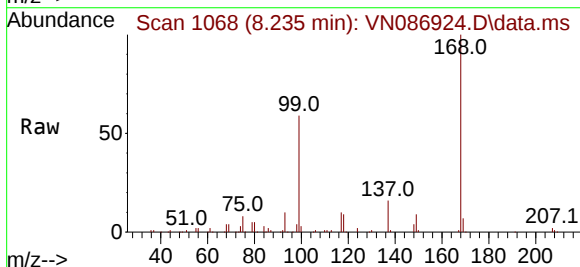
Tgt Ion: 75 Resp: 18851

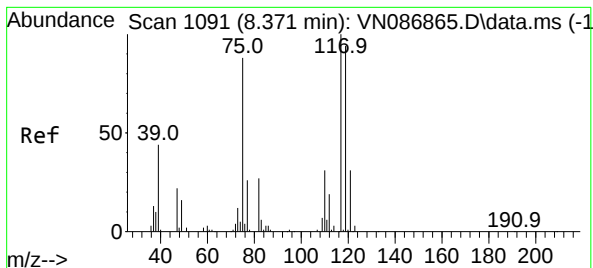
Ion Ratio Lower Upper

75 100

110 6.5 17.6 52.9#

77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 6.088 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN086924.D

Acq: 10 Jun 2025 13:34

Instrument :

MSVOA_N

ClientSampleId :

IBLK

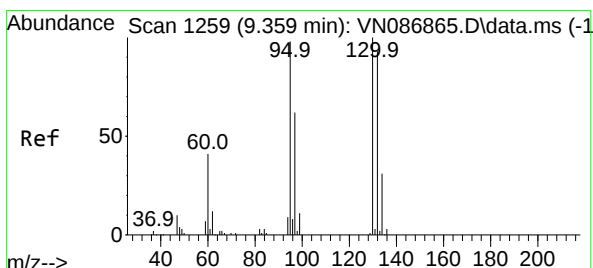
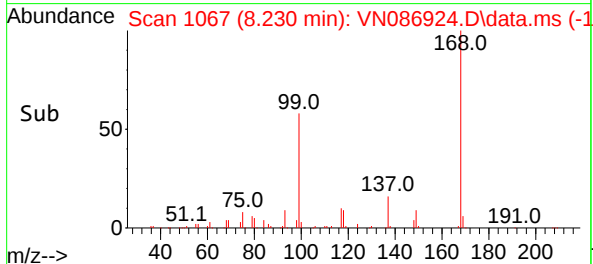
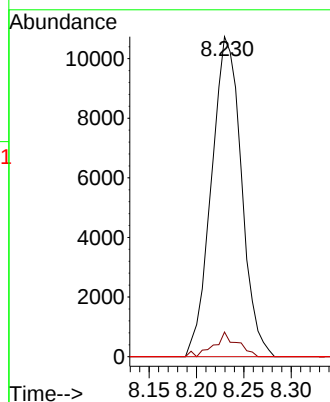
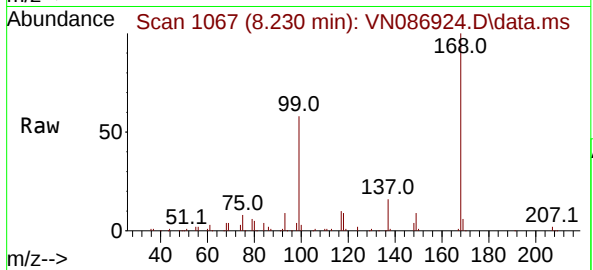
Tgt Ion:117 Resp: 23669

Ion Ratio Lower Upper

117 100

119 7.7 75.0 112.6#

121 0.0 24.9 37.3#



#44

Trichloroethene

Concen: 10.756 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VN086924.D

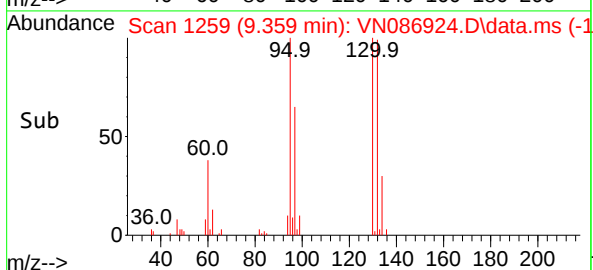
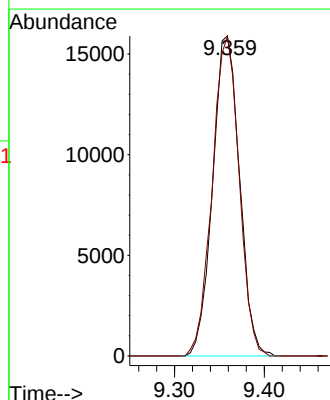
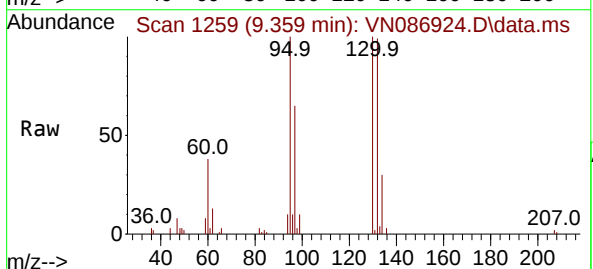
Acq: 10 Jun 2025 13:34

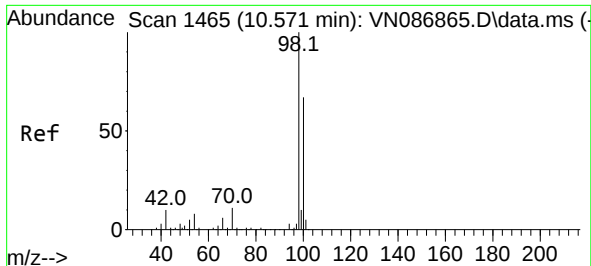
Tgt Ion:130 Resp: 33029

Ion Ratio Lower Upper

130 100

95 99.9 0.0 196.2

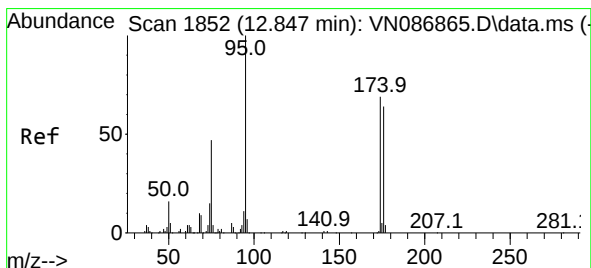
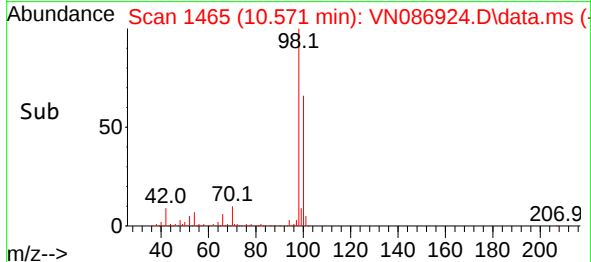
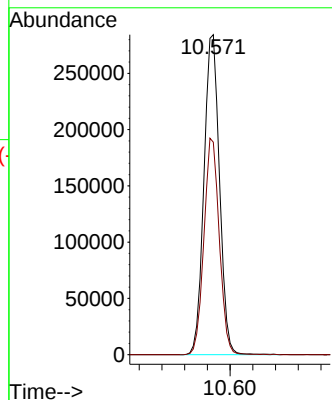
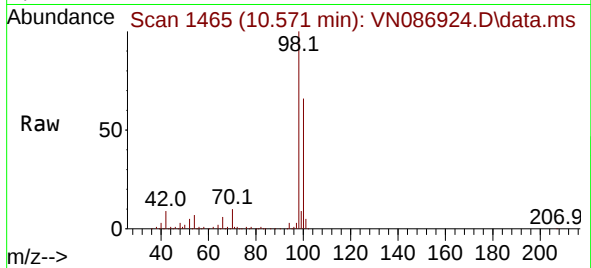




#50
Toluene-d8
Concen: 51.160 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086924.D
Acq: 10 Jun 2025 13:34

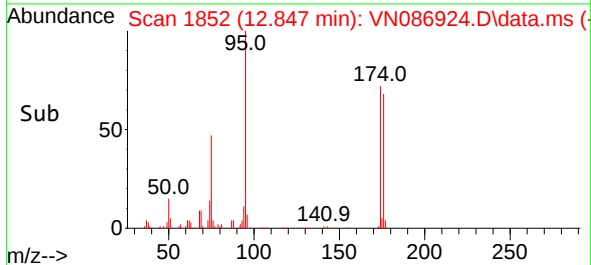
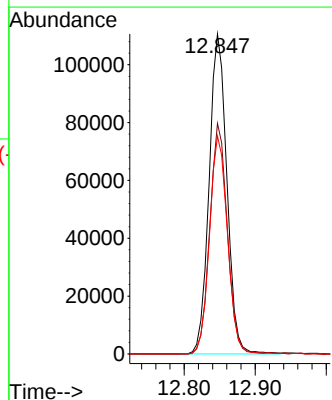
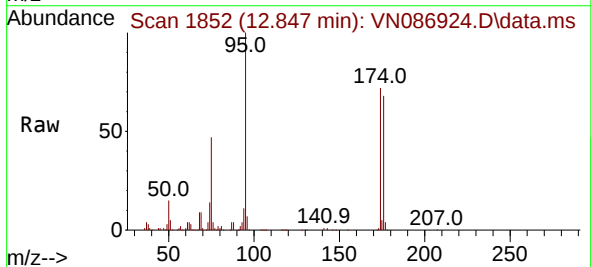
Instrument :
MSVOA_N
ClientSampleId :
IBLK

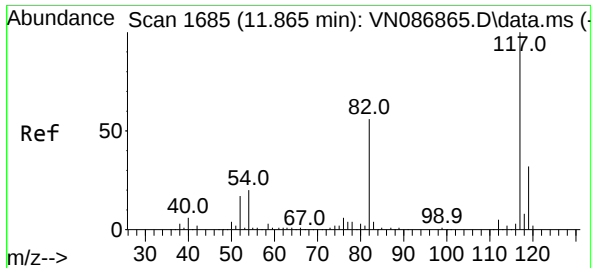
Tgt Ion: 98 Resp: 538266
Ion Ratio Lower Upper
98 100
100 66.8 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 49.170 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086924.D
Acq: 10 Jun 2025 13:34

Tgt Ion: 95 Resp: 192204
Ion Ratio Lower Upper
95 100
174 71.1 0.0 141.8
176 68.7 0.0 132.6

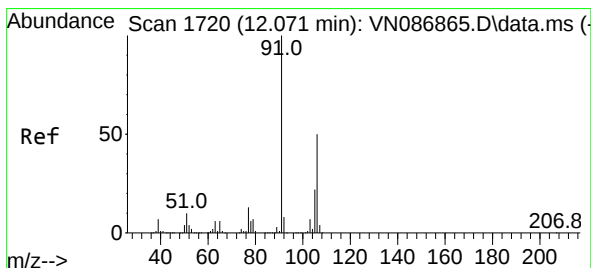
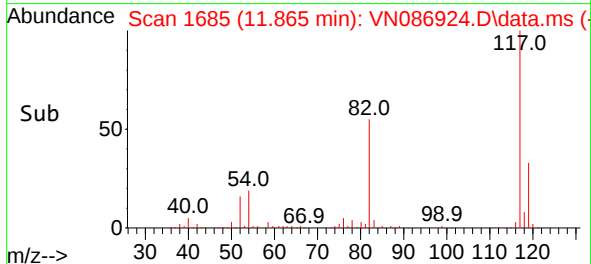
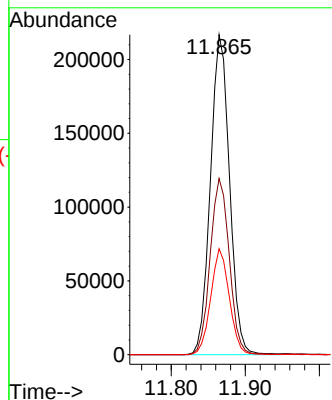
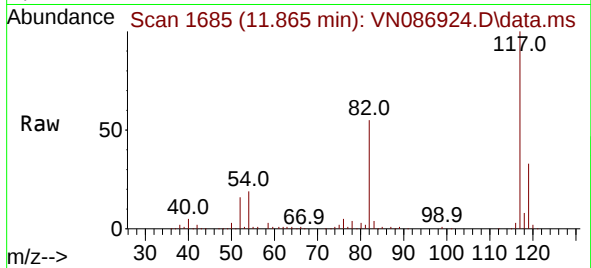




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086924.D
Acq: 10 Jun 2025 13:34

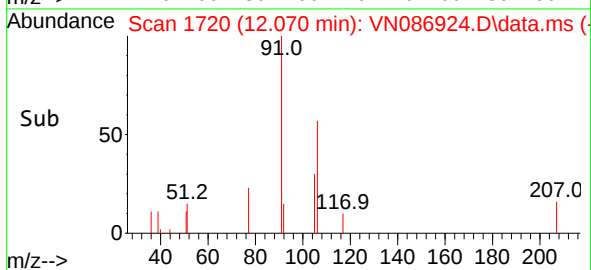
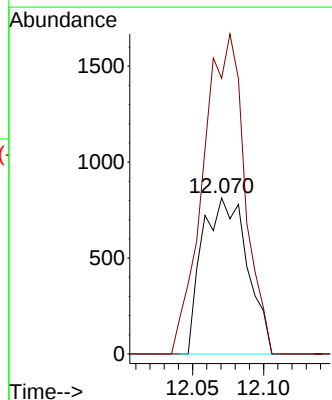
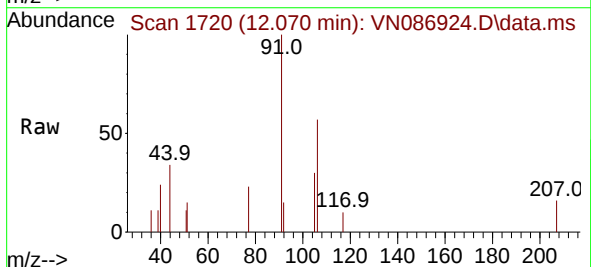
Instrument :
MSVOA_N
ClientSampleId :
IBLK

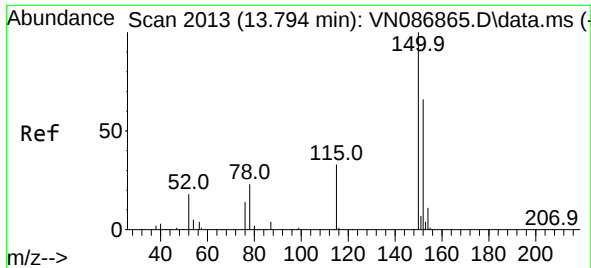
Tgt Ion:117 Resp: 388518
Ion Ratio Lower Upper
117 100
82 55.0 44.6 67.0
119 33.1 25.5 38.3



#68
m/p-Xylenes
Concen: 0.318 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086924.D
Acq: 10 Jun 2025 13:34

Tgt Ion:106 Resp: 1797
Ion Ratio Lower Upper
106 100
91 189.4 159.4 239.0

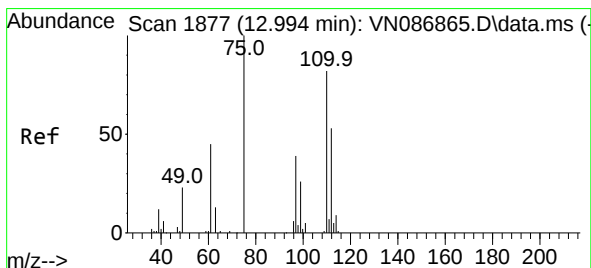
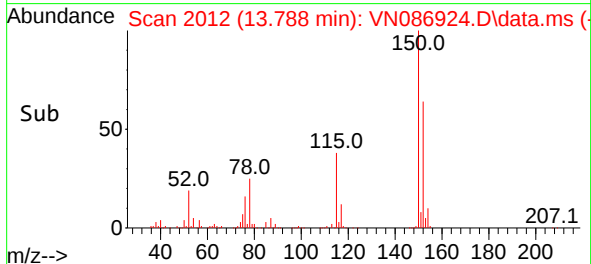
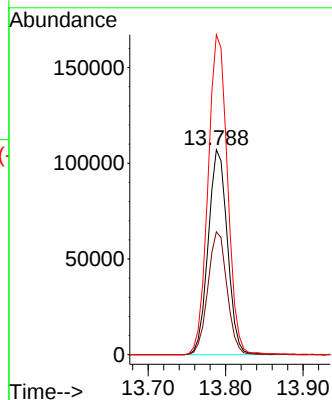
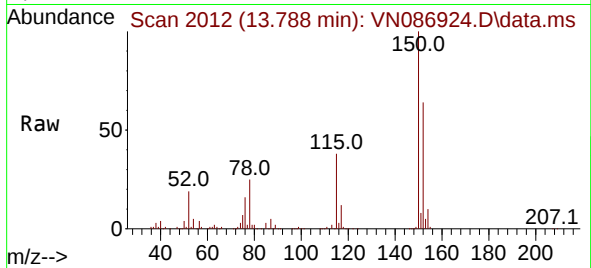




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2013
Delta R.T. -0.006 min
Lab File: VN086924.D
Acq: 10 Jun 2025 13:34

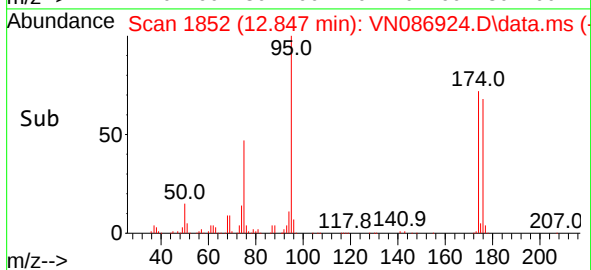
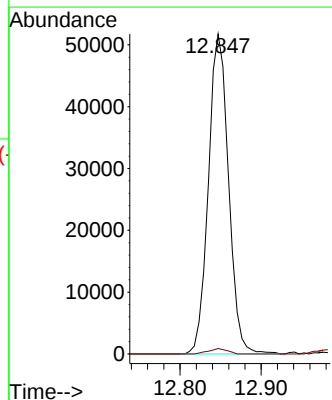
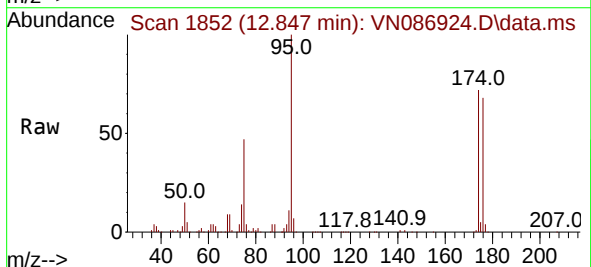
Instrument :
MSVOA_N
ClientSampleId :
IBLK

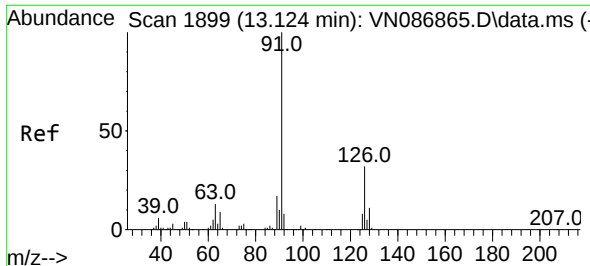
Tgt Ion:152 Resp: 184311
Ion Ratio Lower Upper
152 100
115 59.9 30.1 90.5
150 158.3 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 20.347 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086924.D
Acq: 10 Jun 2025 13:34

Tgt Ion: 75 Resp: 89145
Ion Ratio Lower Upper
75 100
77 1.6 79.3 237.9#

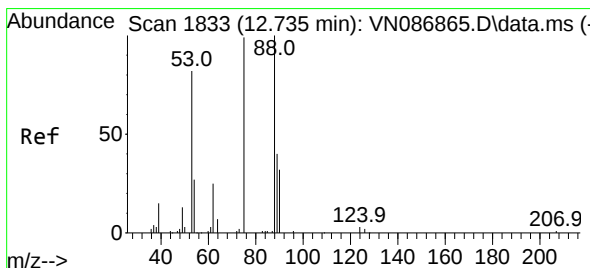
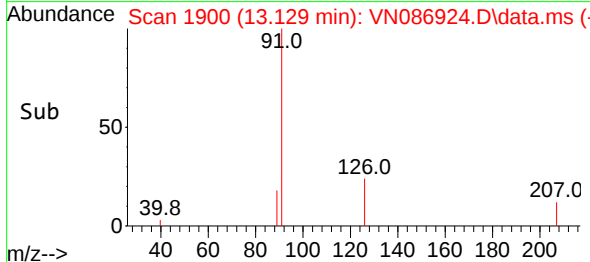
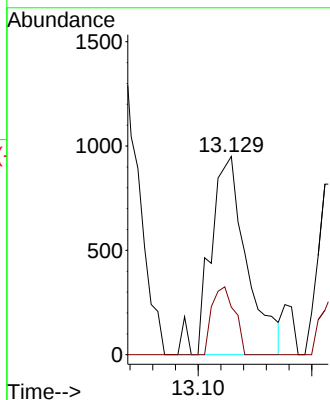
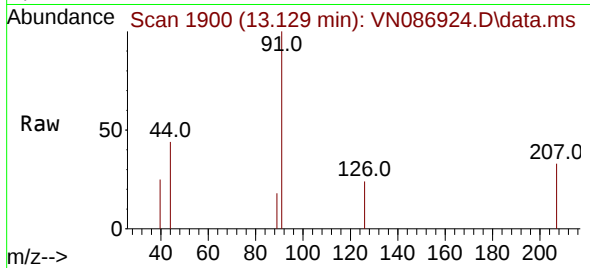




#79
2-Chlorotoluene
Concen: 0.215 ug/l
RT: 13.129 min Scan# 1899
Delta R.T. 0.006 min
Lab File: VN086924.D
Acq: 10 Jun 2025 13:34

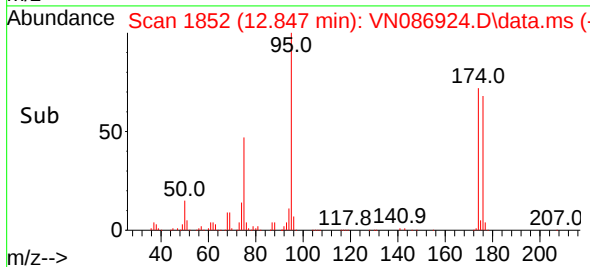
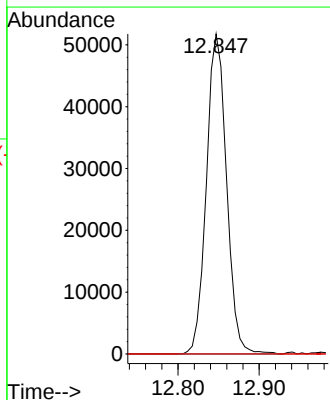
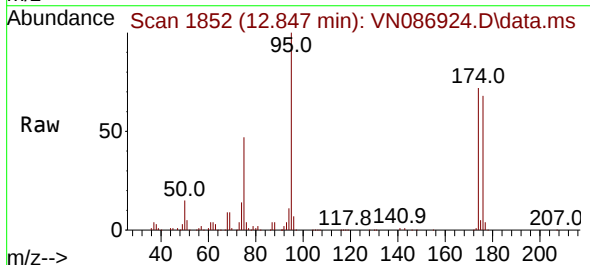
Instrument :
MSVOA_N
ClientSampleId :
IBLK

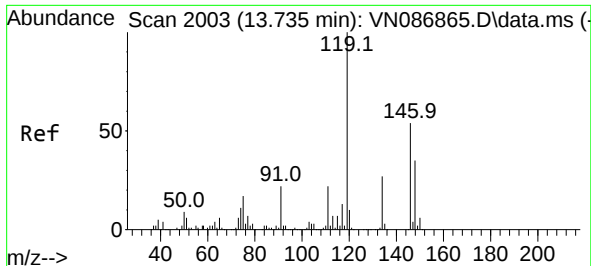
Tgt Ion: 91 Resp: 2107
Ion Ratio Lower Upper
91 100
126 21.4 16.2 48.5



#81
trans-1,4-Dichloro-2-butene
Concen: 46.839 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086924.D
Acq: 10 Jun 2025 13:34

Tgt Ion: 75 Resp: 89145
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#

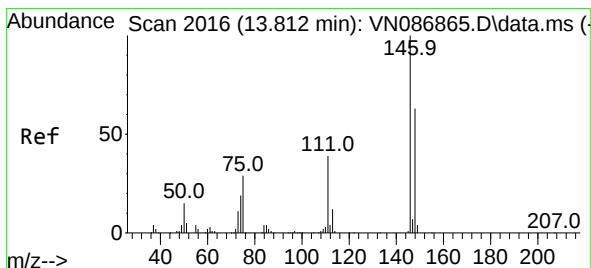
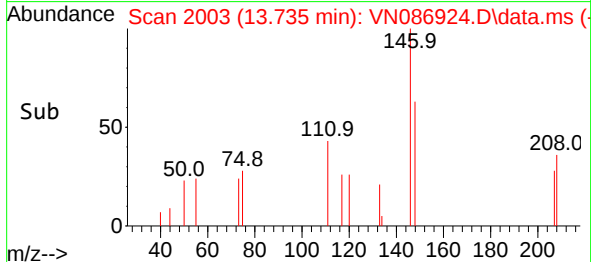
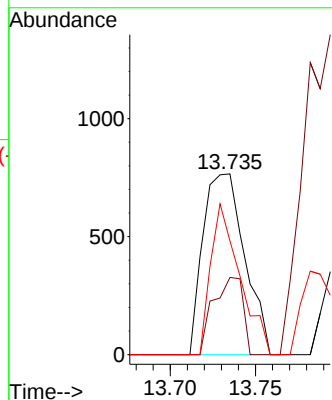
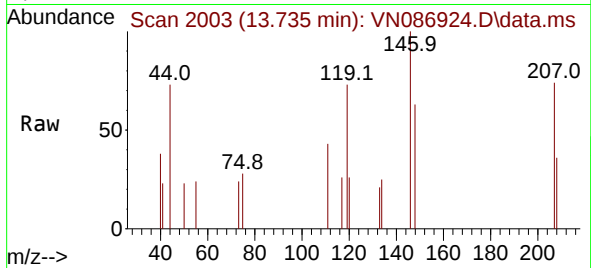




#87
 1,3-Dichlorobenzene
 Concen: 0.215 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. -0.000 min
 Lab File: VN086924.D
 Acq: 10 Jun 2025 13:34

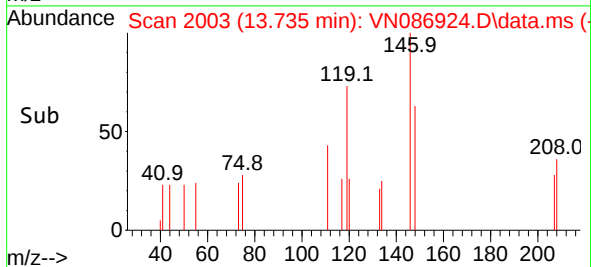
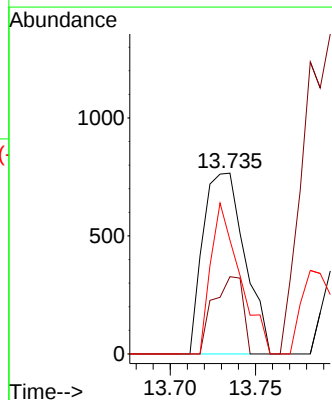
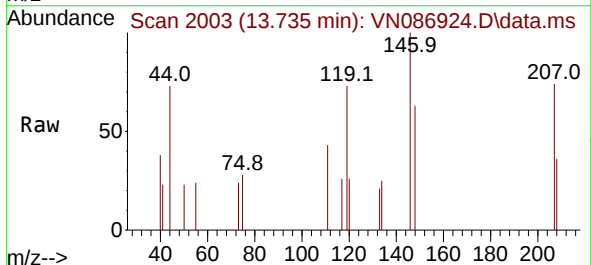
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

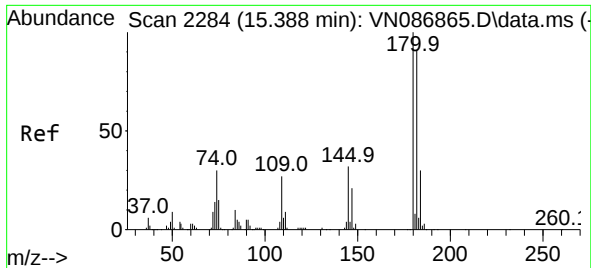
Tgt Ion:	146	Resp:	1305
Ion	Ratio	Lower	Upper
146	100		
111	30.1	20.9	62.8
148	58.3	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 0.211 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. -0.077 min
 Lab File: VN086924.D
 Acq: 10 Jun 2025 13:34

Tgt Ion:	146	Resp:	1305
Ion	Ratio	Lower	Upper
146	100		
111	30.1	19.9	59.7
148	58.3	31.8	95.4

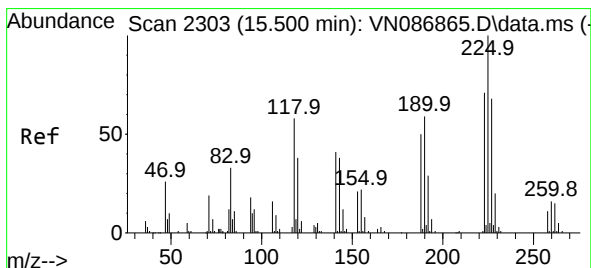
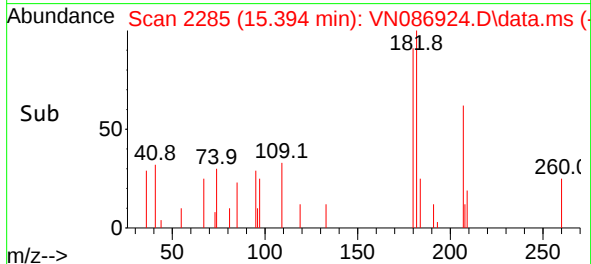
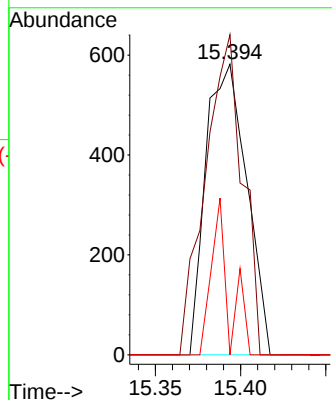
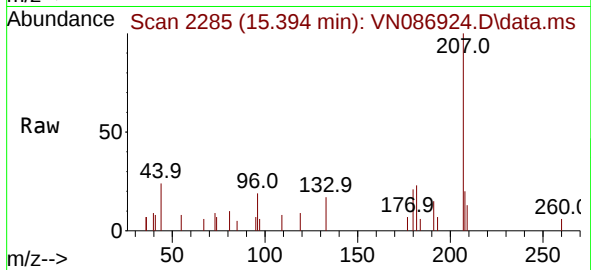




#93
1,2,4-Trichlorobenzene
Concen: 0.261 ug/l
RT: 15.394 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN086924.D
Acq: 10 Jun 2025 13:34

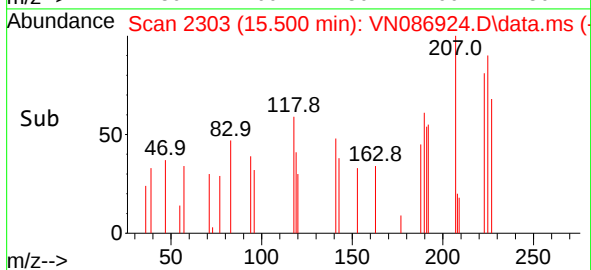
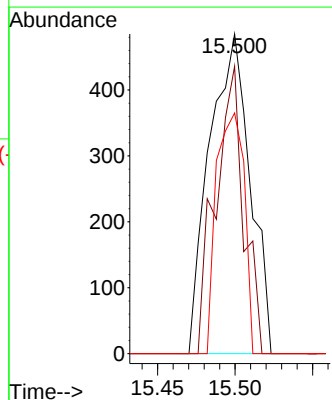
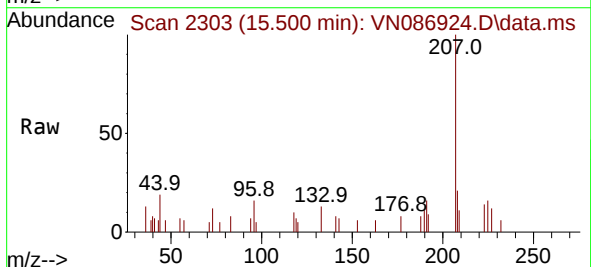
Instrument :
MSVOA_N
ClientSampleId :
IBLK

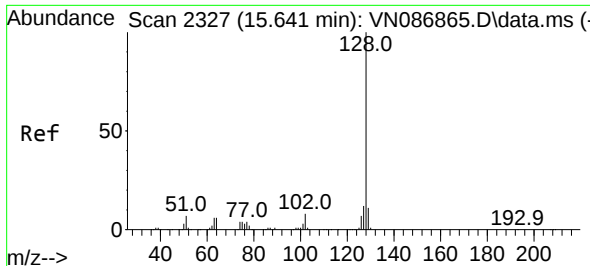
Tgt Ion:180 Resp: 970
Ion Ratio Lower Upper
180 100
182 100.4 46.9 140.7
145 23.2 16.0 47.9



#94
Hexachlorobutadiene
Concen: 0.638 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086924.D
Acq: 10 Jun 2025 13:34

Tgt Ion:225 Resp: 883
Ion Ratio Lower Upper
225 100
223 62.3 33.5 100.4
227 51.5 31.1 93.5

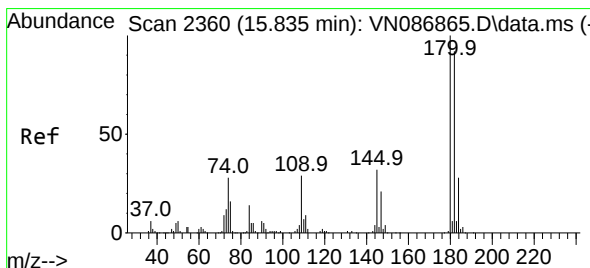
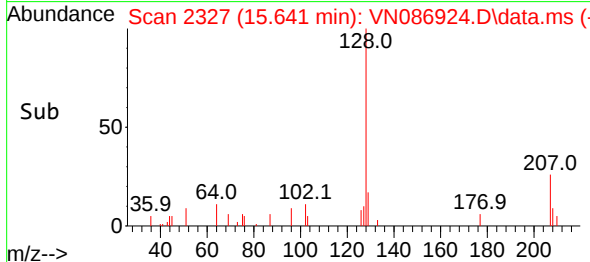
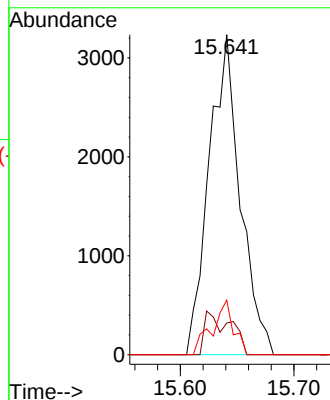
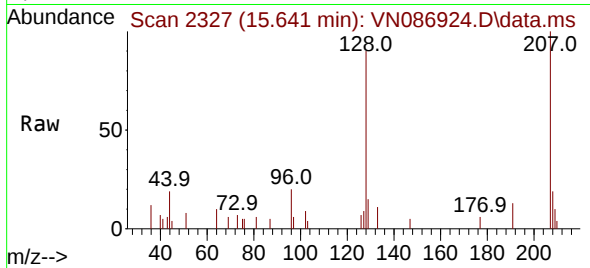




#95
Naphthalene
Concen: 0.445 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN086924.D
Acq: 10 Jun 2025 13:34

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:128 Resp: 6162
Ion Ratio Lower Upper
128 100
127 6.0 10.2 15.2#
129 11.7 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.265 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN086924.D
Acq: 10 Jun 2025 13:34

Tgt Ion:180 Resp: 977
Ion Ratio Lower Upper
180 100
182 90.9 47.0 141.0
145 28.0 16.6 49.8

