

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041625\
 Data File : VN086291.D
 Acq On : 16 Apr 2025 12:50
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Apr 17 03:06:20 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)

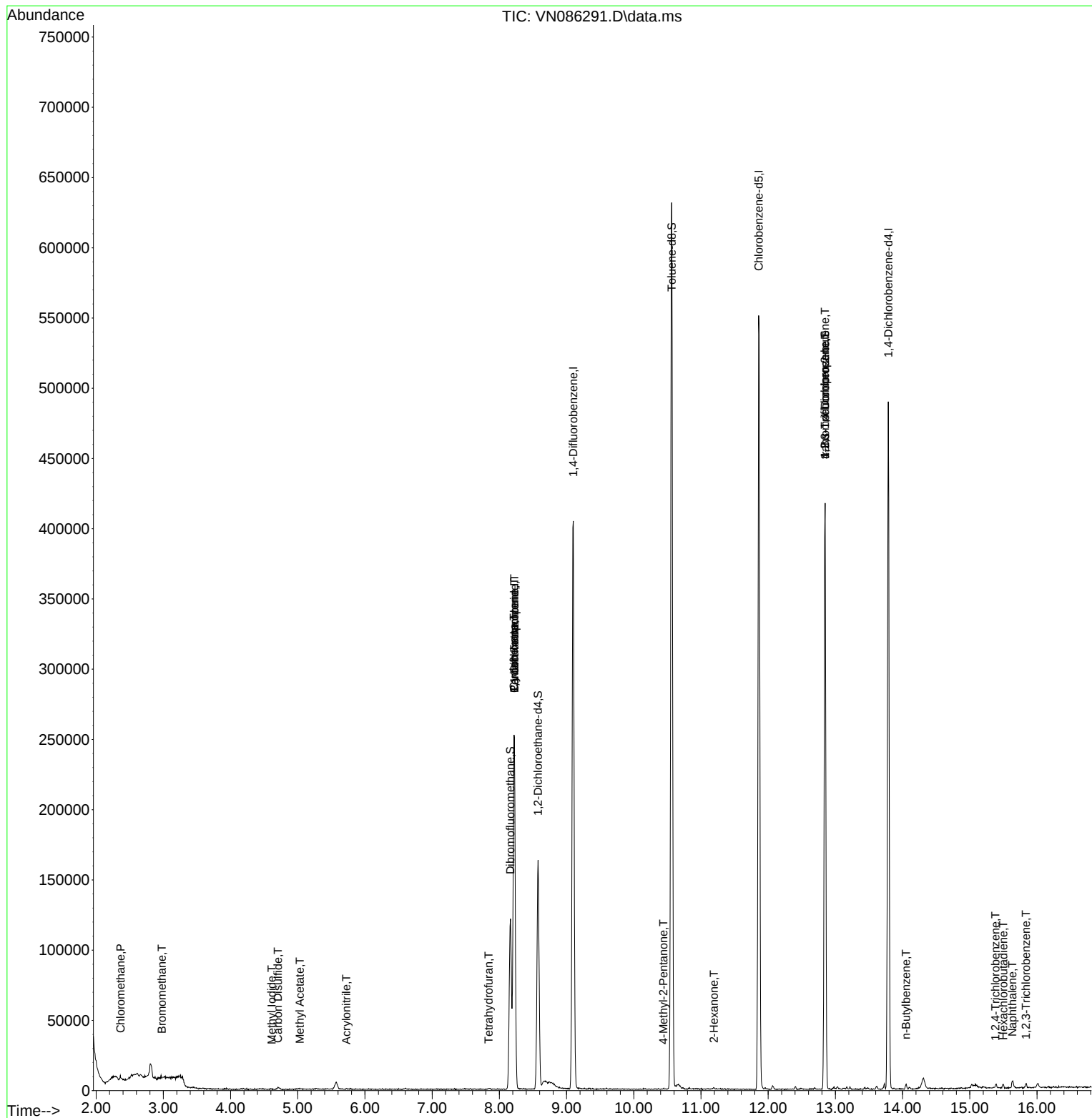
Internal Standards						
1) Pentafluorobenzene	8.224	168	187831	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	357022	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	320997	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	129310	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	133036	48.844	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.680%		
35) Dibromofluoromethane	8.165	113	90977	54.905	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	109.820%		
50) Toluene-d8	10.565	98	450698	50.893	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.780%		
62) 4-Bromofluorobenzene	12.847	95	155302	48.080	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.160%		
Target Compounds						Qvalue
3) Chloromethane	2.365	50	1634	0.505	ug/l #	76
5) Bromomethane	2.977	94	870	0.626	ug/l #	71
10) Methyl Iodide	4.612	142	654	0.287	ug/l #	42
13) Acrolein	4.189	56	682	Below Cal		85
15) Acrylonitrile	5.724	53	263	0.214	ug/l #	58
16) Acetone	4.447	43	1685	Below Cal	#	43
17) Carbon Disulfide	4.706	76	3328	0.503	ug/l #	74
18) Methyl Acetate	5.030	43	1068	0.327	ug/l #	51
29) Tetrahydrofuran	7.841	42	540	0.476	ug/l #	40
31) Cyclohexane	8.218	56	4585	1.039	ug/l #	10
36) 1,1-Dichloropropene	8.224	75	15870	4.795	ug/l #	49
38) Carbon Tetrachloride	8.224	117	19280	6.117	ug/l #	15
43) Isopropyl Acetate	8.671	43	5174	Below Cal	#	55
51) 4-Methyl-2-Pentanone	10.441	43	1074	0.301	ug/l #	35
59) 2-Hexanone	11.194	43	1281	0.484	ug/l #	45
76) 1,2,3-Trichloropropane	12.847	75	78936	25.868	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	78936	62.125	ug/l #	10
89) n-Butylbenzene	14.053	91	2337	0.307	ug/l	92
93) 1,2,4-Trichlorobenzene	15.382	180	1142	0.558	ug/l #	90
94) Hexachlorobutadiene	15.500	225	525	0.680	ug/l	83
95) Naphthalene	15.635	128	5898	0.813	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.835	180	1143	0.590	ug/l #	84

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041625\
Data File : VN086291.D
Acq On : 16 Apr 2025 12:50
Operator : JC\MD
Sample : IBLK
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Quant Time: Apr 17 03:06:20 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

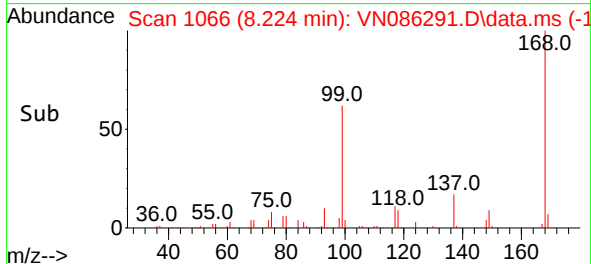
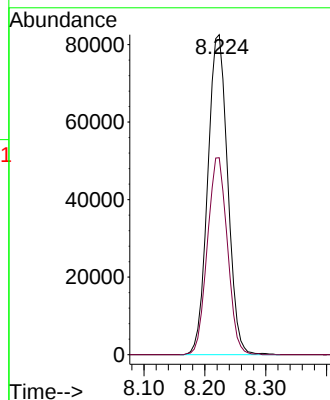
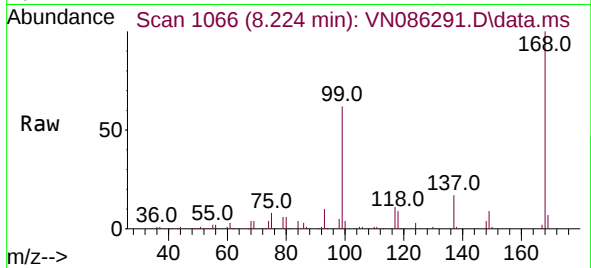




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN086291.D
Acq: 16 Apr 2025 12:50

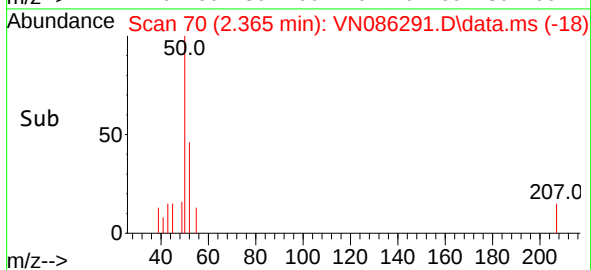
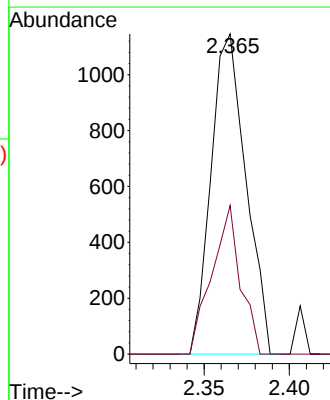
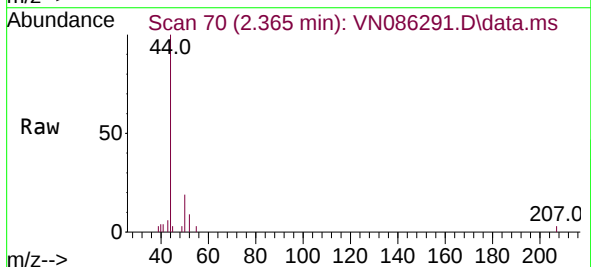
Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:168 Resp: 187831
Ion Ratio Lower Upper
168 100
99 61.6 52.5 78.7



#3
Chloromethane
Concen: 0.505 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086291.D
Acq: 16 Apr 2025 12:50

Tgt Ion: 50 Resp: 1634
Ion Ratio Lower Upper
50 100
52 46.4 26.5 39.7#

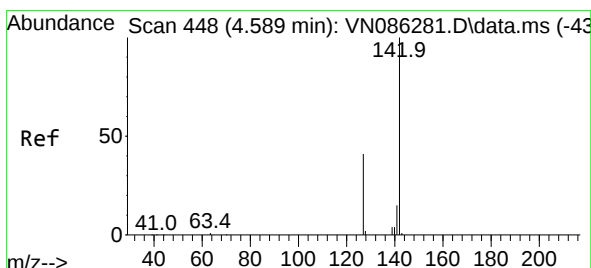
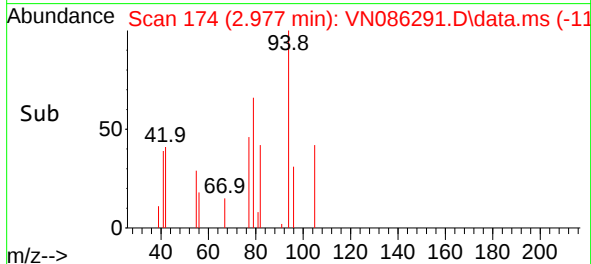
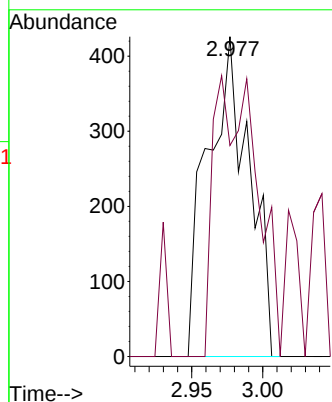
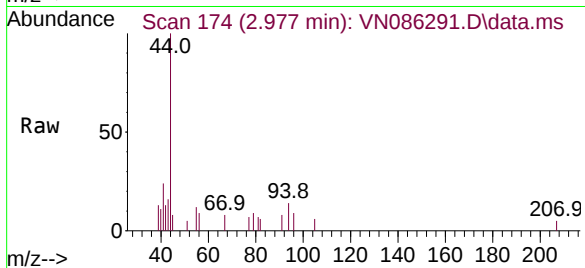




#5
Bromomethane
Concen: 0.626 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN086291.D
Acq: 16 Apr 2025 12:50

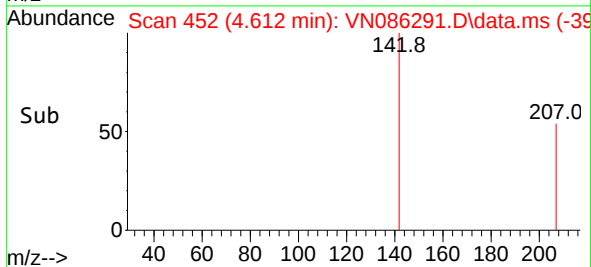
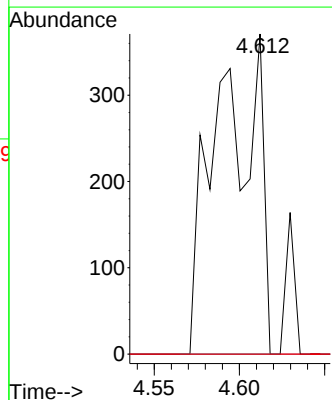
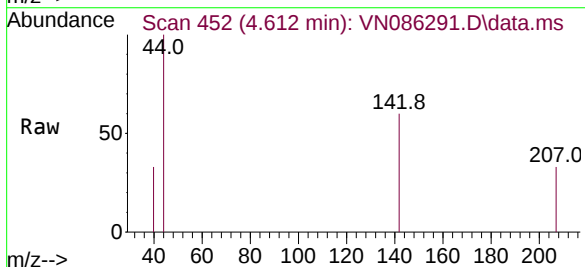
Instrument :
MSVOA_N
ClientSampleId :
IBLK

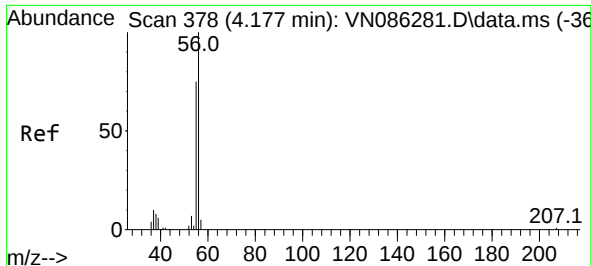
Tgt Ion: 94 Resp: 870
Ion Ratio Lower Upper
94 100
96 66.0 75.2 112.8#



#10
Methyl Iodide
Concen: 0.287 ug/l
RT: 4.612 min Scan# 452
Delta R.T. 0.023 min
Lab File: VN086291.D
Acq: 16 Apr 2025 12:50

Tgt Ion: 142 Resp: 654
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.7 17.5#

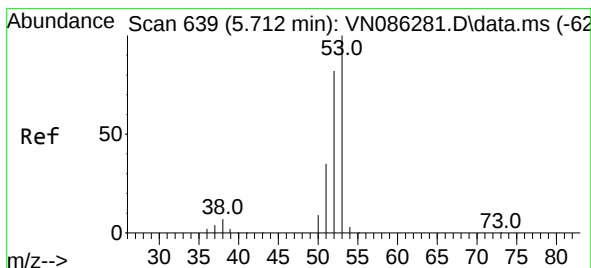
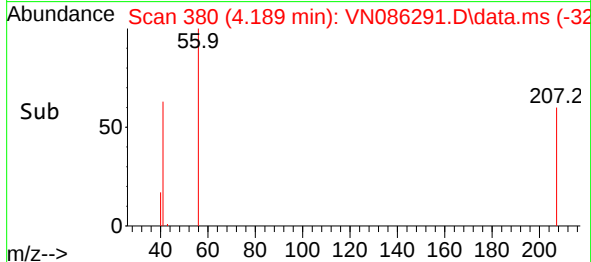
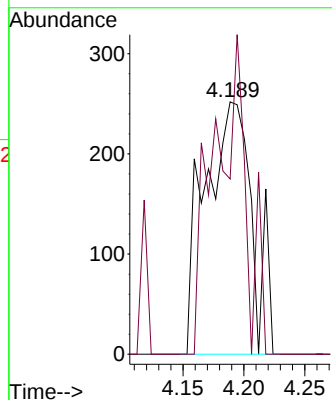
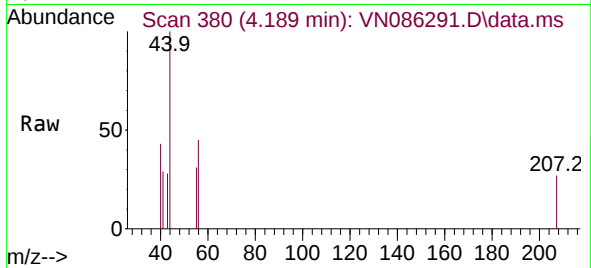




#13
Acrolein
Concen: Below Cal
RT: 4.189 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN086291.D
Acq: 16 Apr 2025 12:50

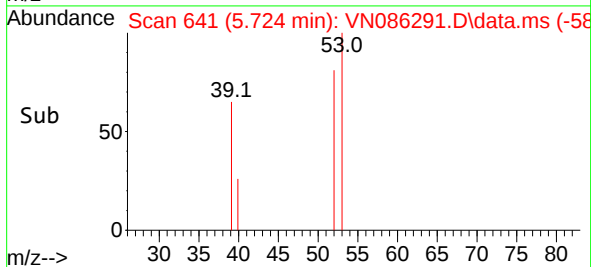
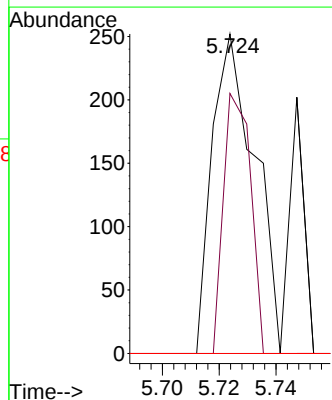
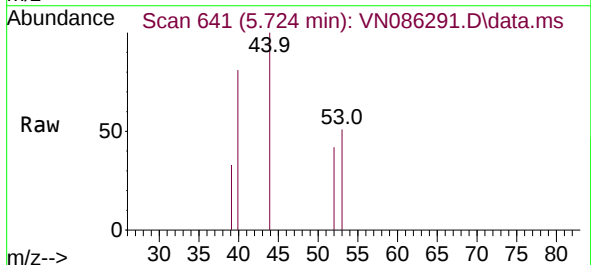
Instrument :
MSVOA_N
ClientSampleId :
IBLK

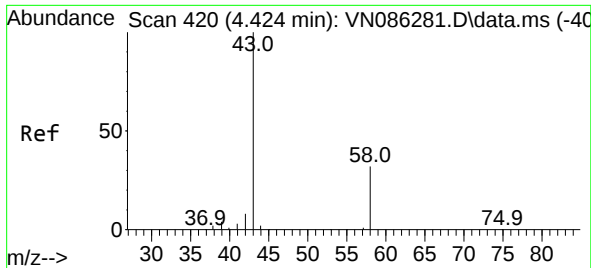
Tgt Ion: 56 Resp: 682
Ion Ratio Lower Upper
56 100
55 85.8 58.5 87.7



#15
Acrylonitrile
Concen: 0.214 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.012 min
Lab File: VN086291.D
Acq: 16 Apr 2025 12:50

Tgt Ion: 53 Resp: 263
Ion Ratio Lower Upper
53 100
52 51.7 65.5 98.3#
51 0.0 28.6 42.8#





#16

Acetone

Concen: Below Cal

RT: 4.447 min Scan# 41

Delta R.T. 0.023 min

Lab File: VN086291.D

Acq: 16 Apr 2025 12:50

Instrument :

MSVOA_N

ClientSampleId :

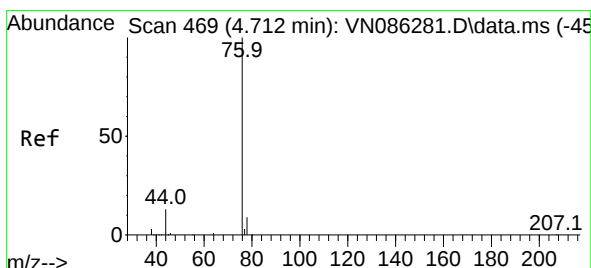
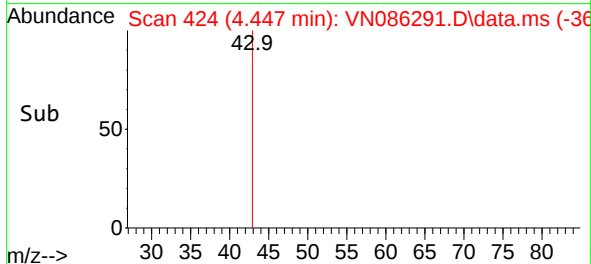
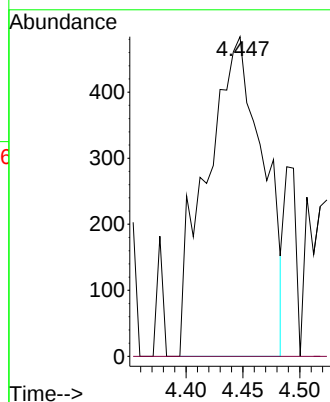
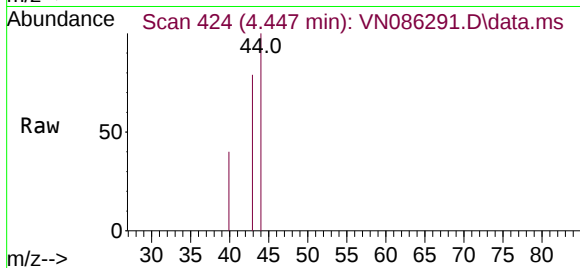
IBLK

Tgt Ion: 43 Resp: 1685

Ion Ratio Lower Upper

43 100

58 0.0 25.3 37.9#



#17

Carbon Disulfide

Concen: 0.503 ug/l

RT: 4.706 min Scan# 468

Delta R.T. -0.006 min

Lab File: VN086291.D

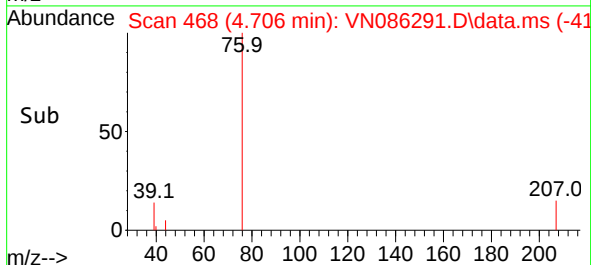
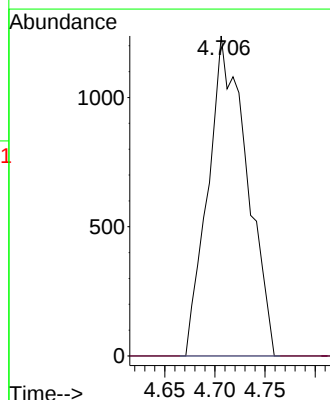
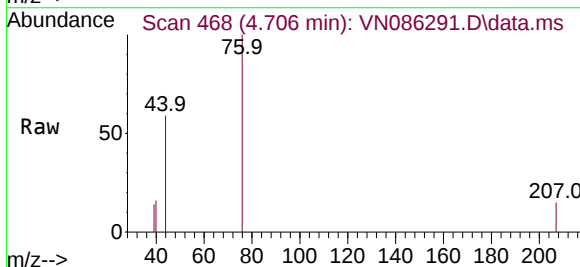
Acq: 16 Apr 2025 12:50

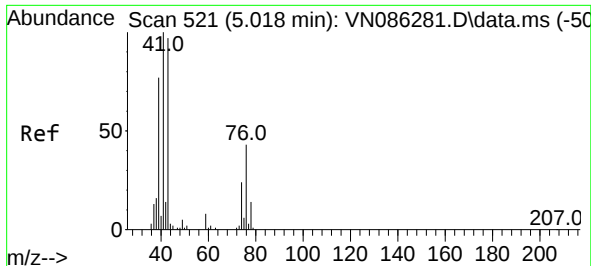
Tgt Ion: 76 Resp: 3328

Ion Ratio Lower Upper

76 100

78 0.0 7.6 11.4#

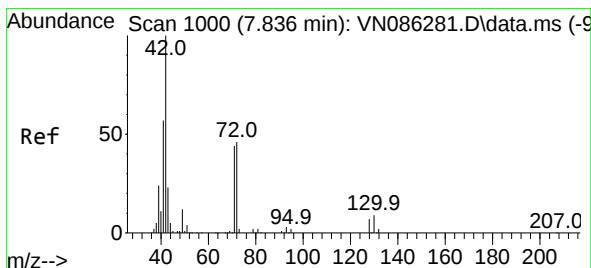
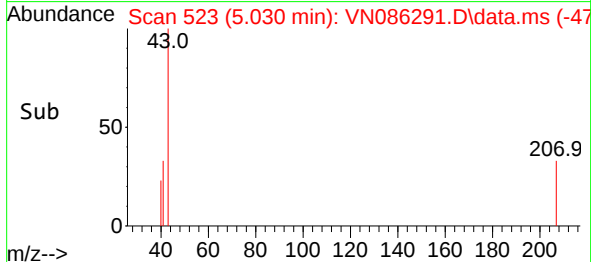
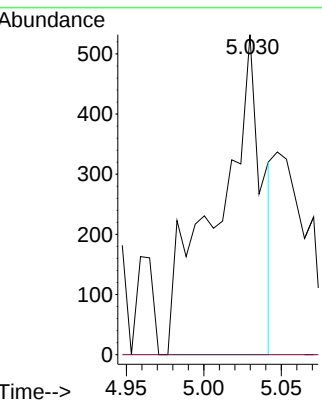
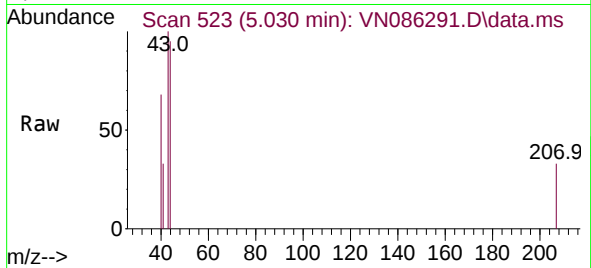




#18
Methyl Acetate
Concen: 0.327 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN086291.D
Acq: 16 Apr 2025 12:50

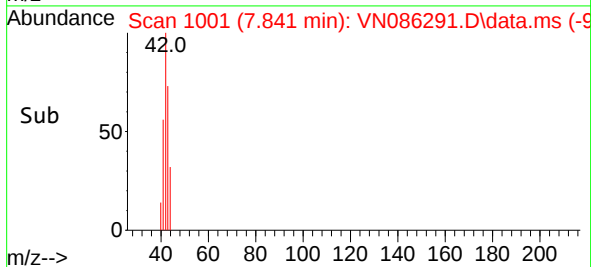
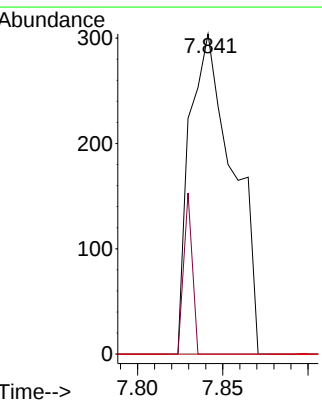
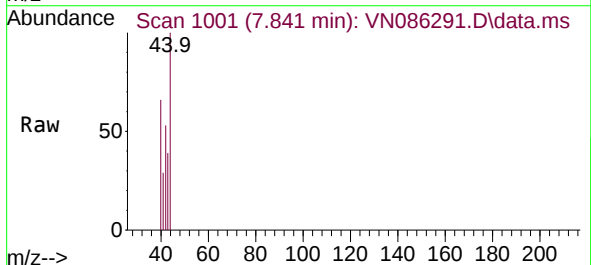
Instrument :
MSVOA_N
ClientSampleId :
IBLK

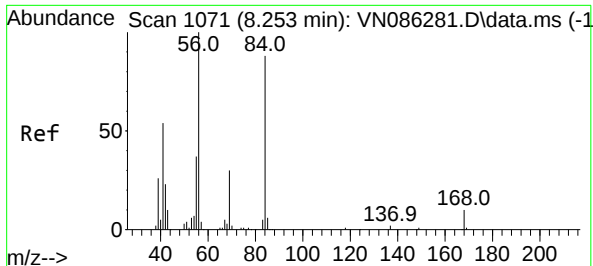
Tgt Ion: 43 Resp: 1068
Ion Ratio Lower Upper
43 100
74 0.0 19.8 29.6#



#29
Tetrahydrofuran
Concen: 0.476 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN086291.D
Acq: 16 Apr 2025 12:50

Tgt Ion: 42 Resp: 540
Ion Ratio Lower Upper
42 100
72 10.0 36.2 54.4#
71 0.0 34.0 51.0#

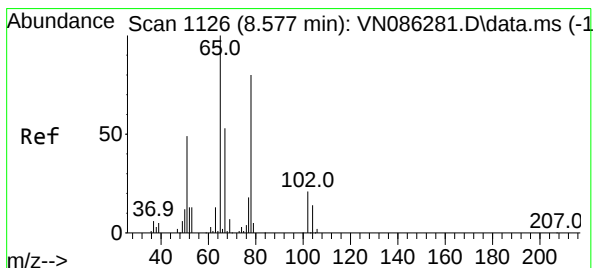
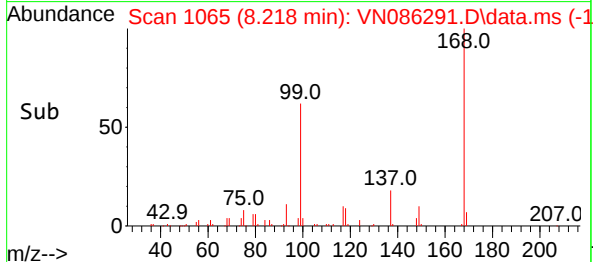
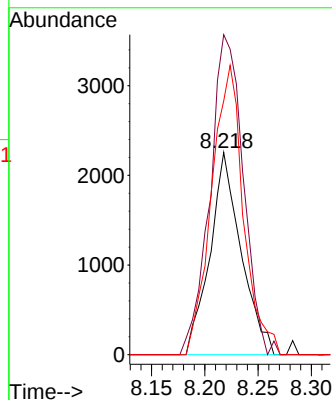
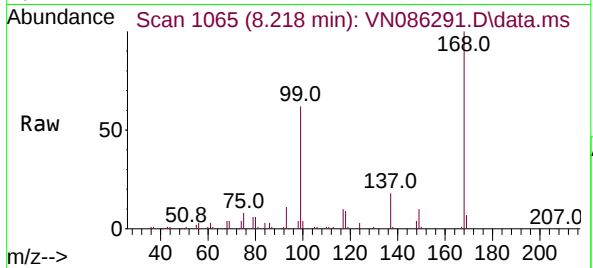




#31
Cyclohexane
Concen: 1.039 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086291.D
Acq: 16 Apr 2025 12:50

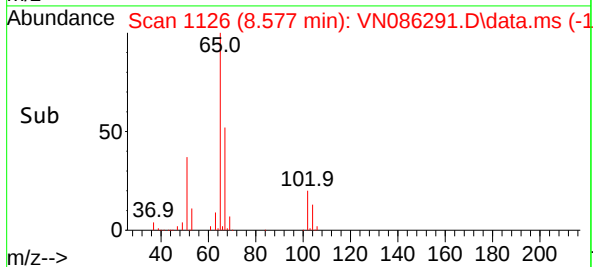
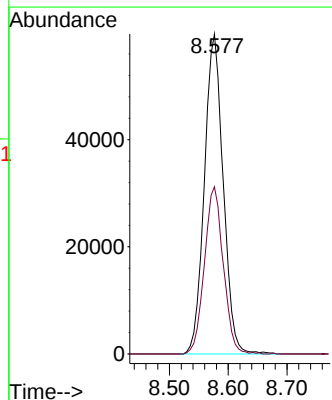
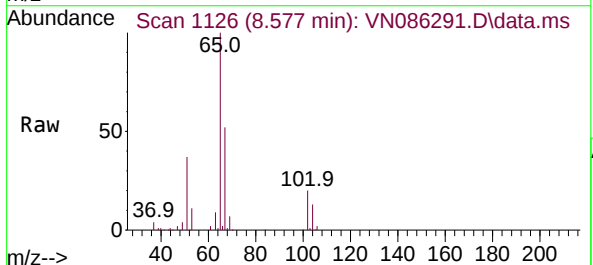
Instrument :
MSVOA_N
ClientSampleId :
IBLK

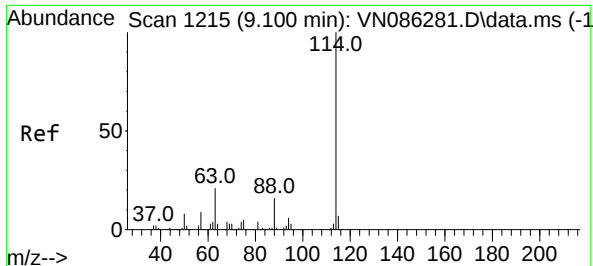
Tgt Ion: 56 Resp: 4585
Ion Ratio Lower Upper
56 100
69 158.3 24.2 36.2#
84 125.5 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 48.844 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086291.D
Acq: 16 Apr 2025 12:50

Tgt Ion: 65 Resp: 133036
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.0

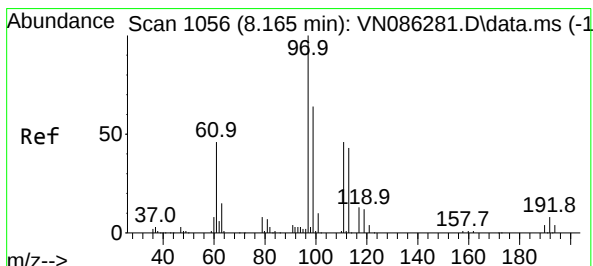
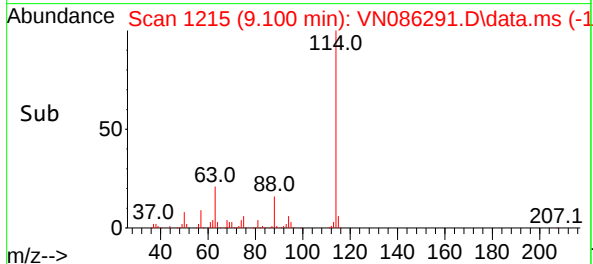
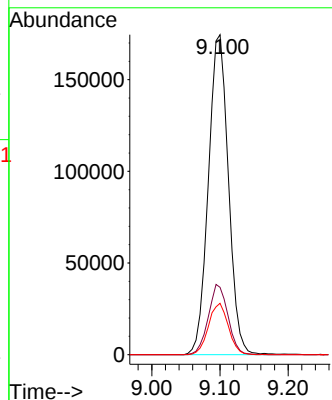
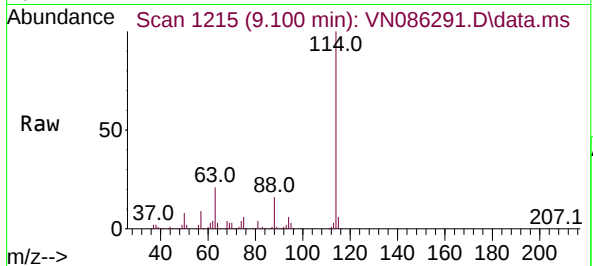




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086291.D
Acq: 16 Apr 2025 12:50

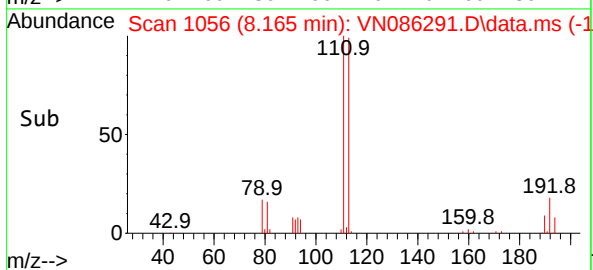
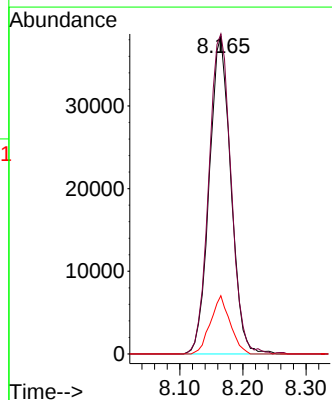
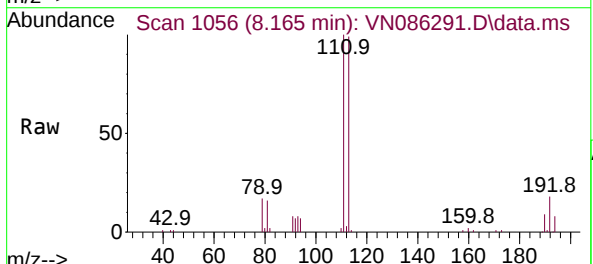
Instrument :
MSVOA_N
ClientSampleId :
IBLK

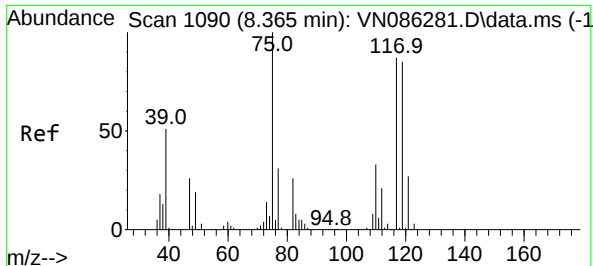
Tgt Ion:114 Resp: 357022
Ion Ratio Lower Upper
114 100
63 21.0 0.0 42.6
88 16.1 0.0 31.8



#35
Dibromofluoromethane
Concen: 54.905 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086291.D
Acq: 16 Apr 2025 12:50

Tgt Ion:113 Resp: 90977
Ion Ratio Lower Upper
113 100
111 104.0 83.4 125.0
192 16.7 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.795 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086291.D

Acq: 16 Apr 2025 12:50

Instrument :

MSVOA_N

ClientSampleId :

IBLK

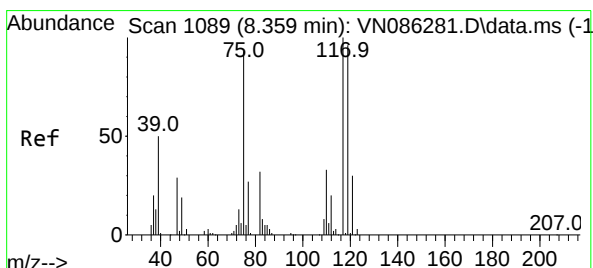
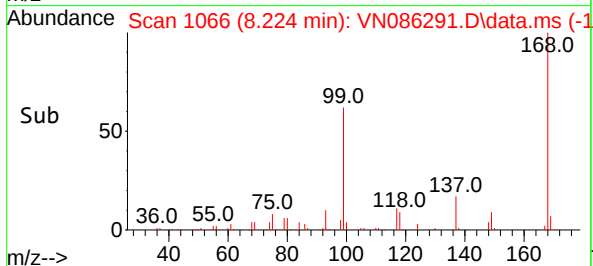
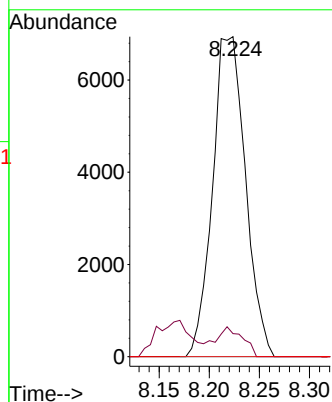
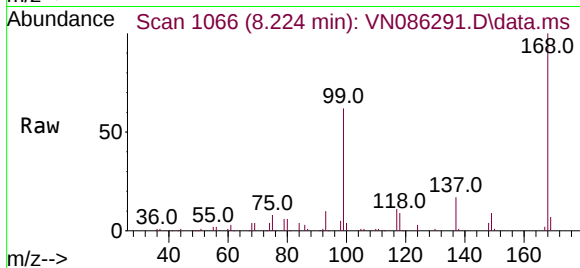
Tgt Ion: 75 Resp: 15870

Ion Ratio Lower Upper

75 100

110 7.6 16.8 50.4#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.117 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN086291.D

Acq: 16 Apr 2025 12:50

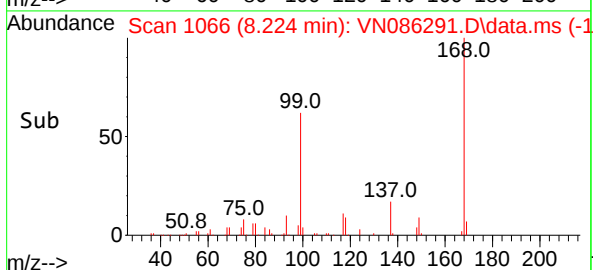
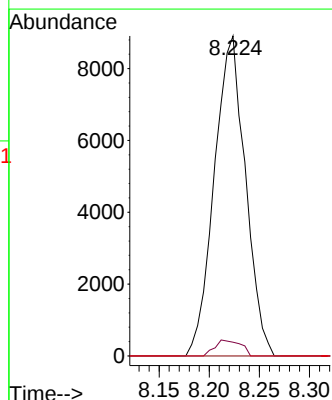
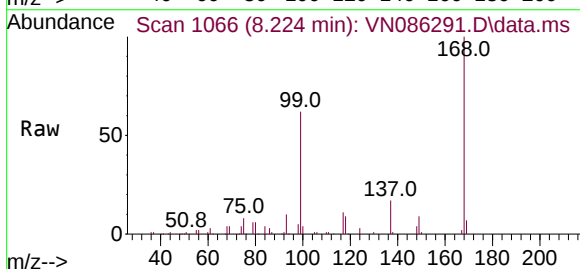
Tgt Ion: 117 Resp: 19280

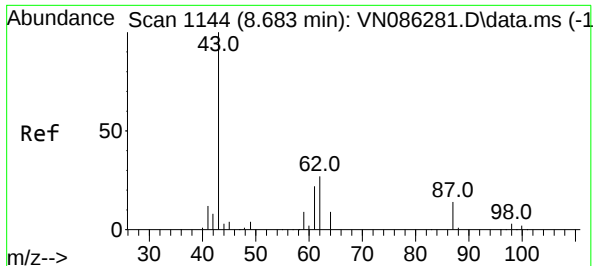
Ion Ratio Lower Upper

117 100

119 4.3 76.8 115.2#

121 0.0 23.8 35.8#





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.671 min Scan# 1144

Delta R.T. -0.012 min

Lab File: VN086291.D

Acq: 16 Apr 2025 12:50

Instrument :

MSVOA_N

ClientSampleId :

IBLK

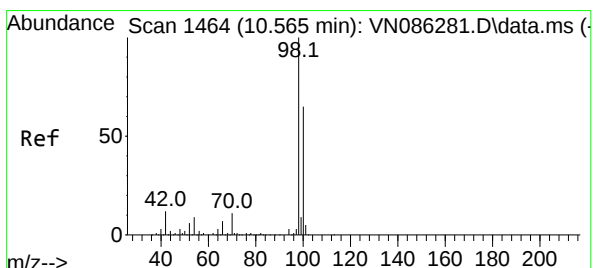
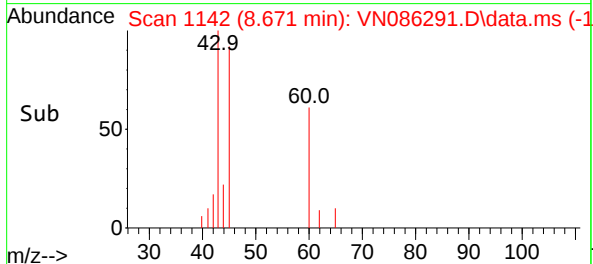
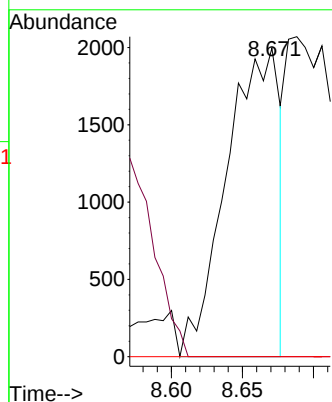
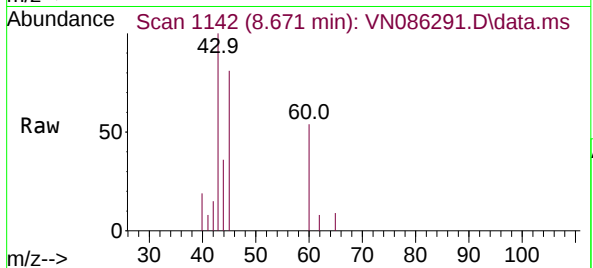
Tgt Ion: 43 Resp: 5174

Ion Ratio Lower Upper

43 100

61 0.0 20.5 30.7#

87 0.0 10.5 15.7#



#50

Toluene-d8

Concen: 50.893 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086291.D

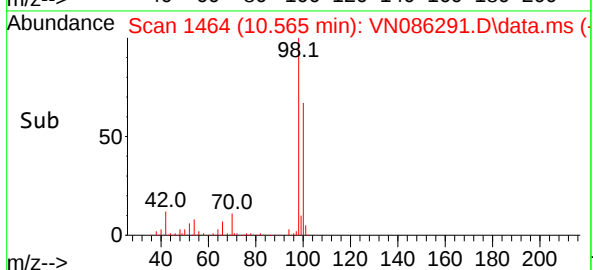
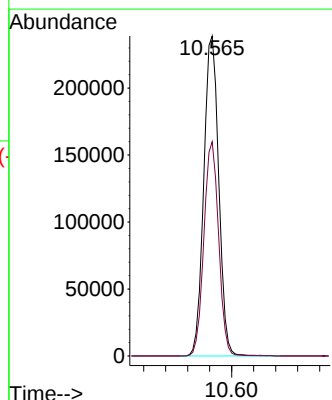
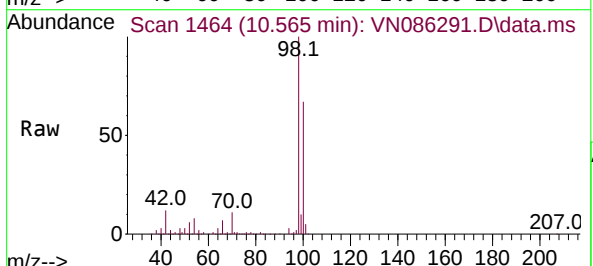
Acq: 16 Apr 2025 12:50

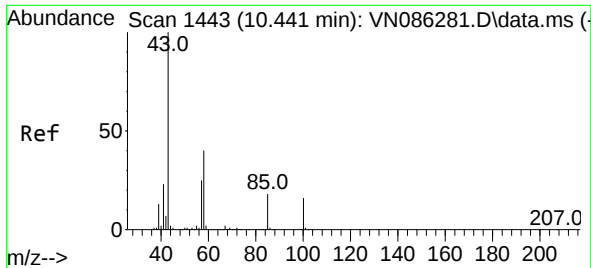
Tgt Ion: 98 Resp: 450698

Ion Ratio Lower Upper

98 100

100 65.9 52.5 78.7

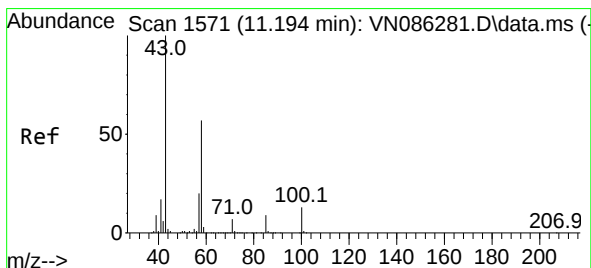
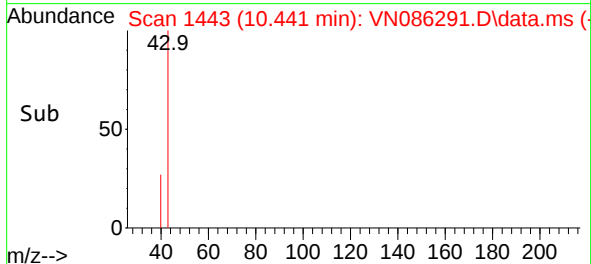
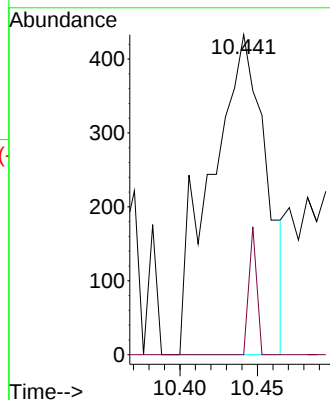
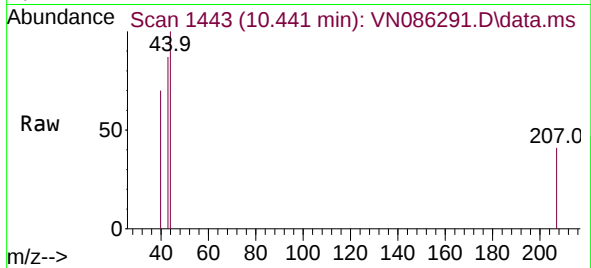




#51
4-Methyl-2-Pentanone
Concen: 0.301 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086291.D
Acq: 16 Apr 2025 12:50

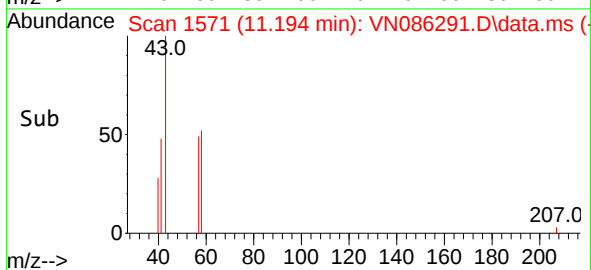
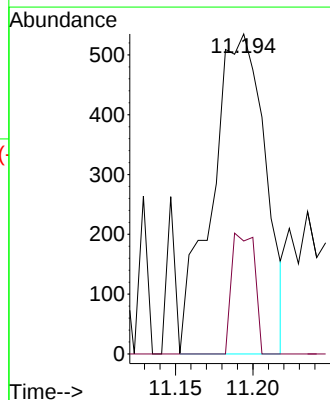
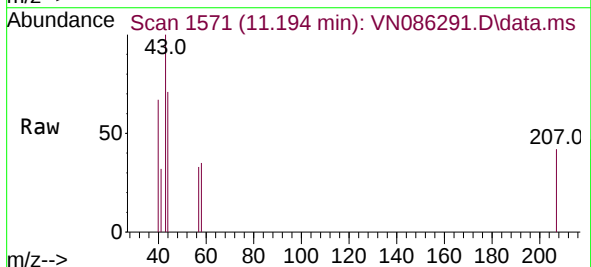
Instrument :
MSVOA_N
ClientSampleId :
IBLK

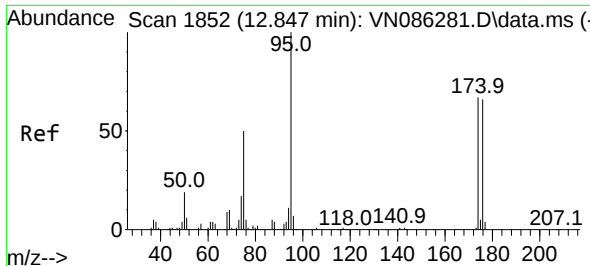
Tgt Ion: 43 Resp: 1074
Ion Ratio Lower Upper
43 100
58 0.0 32.2 48.4#



#59
2-Hexanone
Concen: 0.484 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN086291.D
Acq: 16 Apr 2025 12:50

Tgt Ion: 43 Resp: 1281
Ion Ratio Lower Upper
43 100
58 16.2 28.3 85.0#

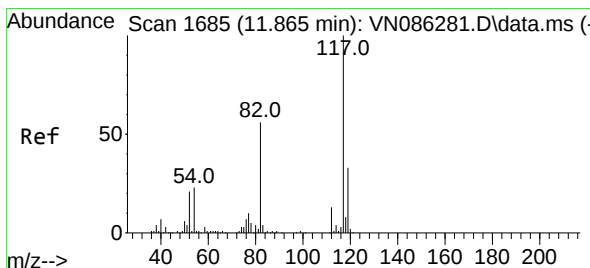
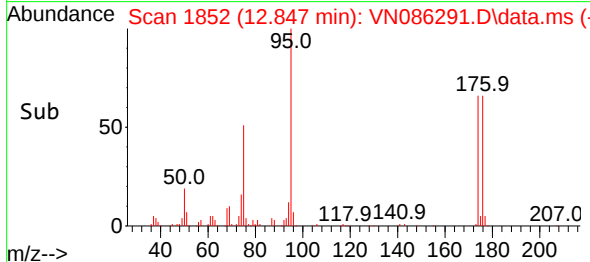
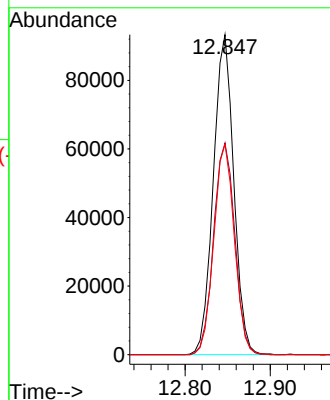
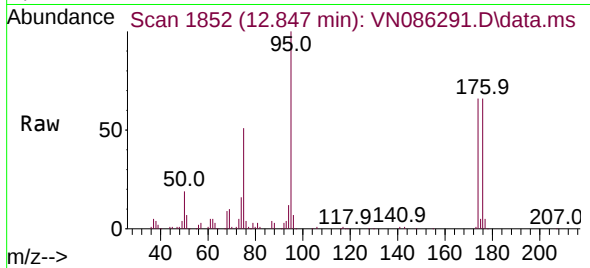




#62
4-Bromofluorobenzene
Concen: 48.080 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086291.D
Acq: 16 Apr 2025 12:50

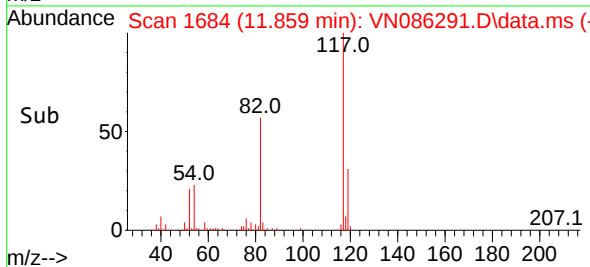
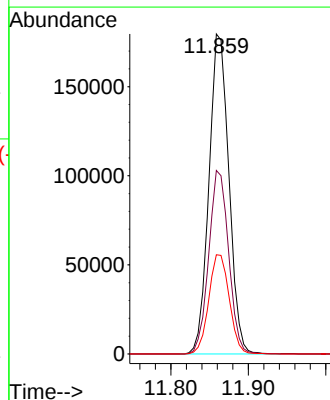
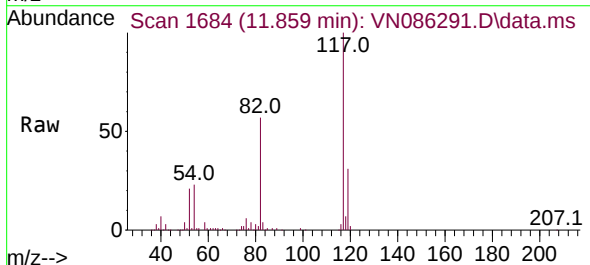
Instrument :
MSVOA_N
ClientSampleId :
IBLK

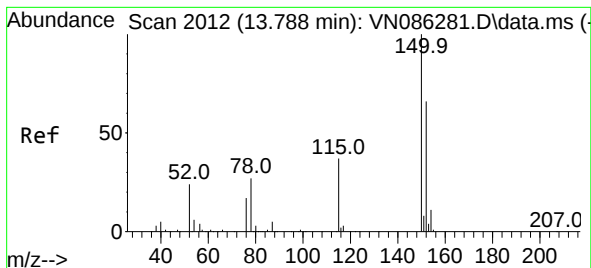
Tgt Ion: 95 Resp: 155302
Ion Ratio Lower Upper
95 100
174 68.7 0.0 133.4
176 66.2 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1684
Delta R.T. -0.006 min
Lab File: VN086291.D
Acq: 16 Apr 2025 12:50

Tgt Ion: 117 Resp: 320997
Ion Ratio Lower Upper
117 100
82 57.4 44.7 67.1
119 31.0 26.4 39.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN086291.D

Acq: 16 Apr 2025 12:50

Instrument :

MSVOA_N

ClientSampleId :

IBLK

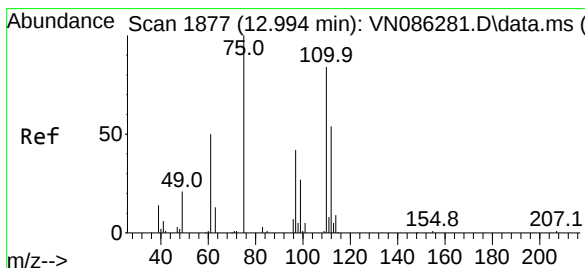
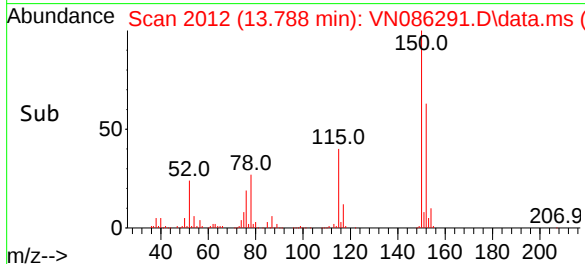
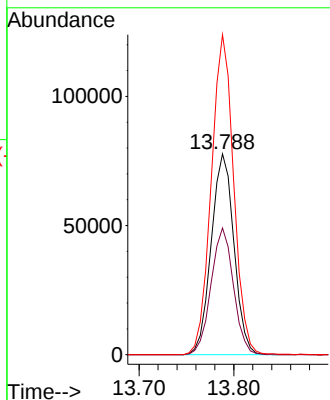
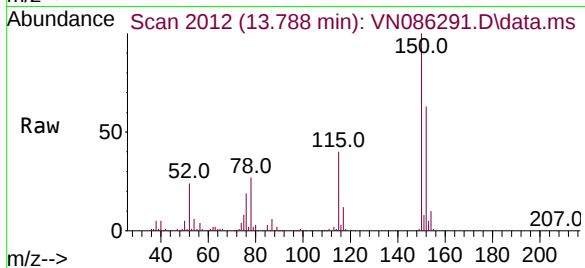
Tgt Ion:152 Resp: 129310

Ion Ratio Lower Upper

152 100

115 62.2 31.9 95.9

150 157.0 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 25.868 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN086291.D

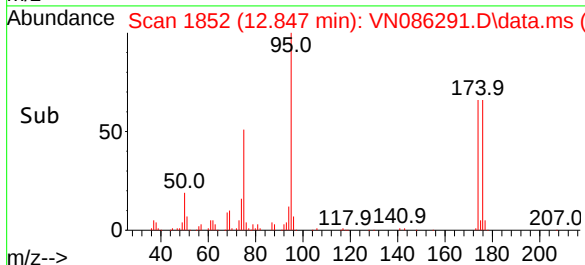
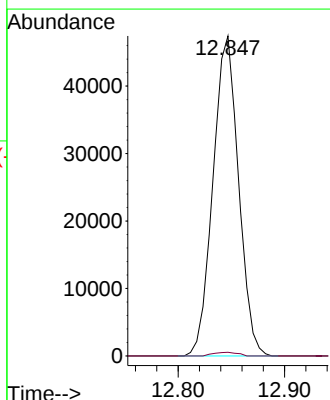
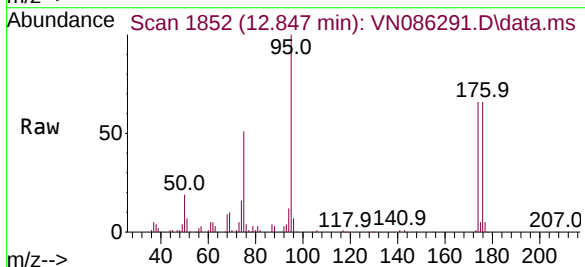
Acq: 16 Apr 2025 12:50

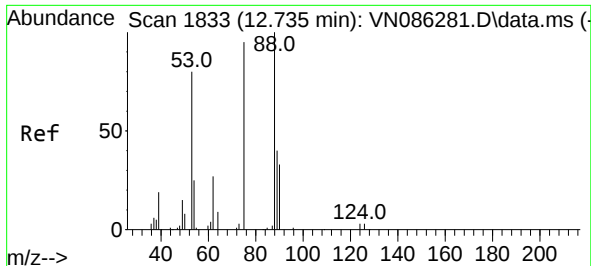
Tgt Ion: 75 Resp: 78936

Ion Ratio Lower Upper

75 100

77 1.1 98.8 296.4#

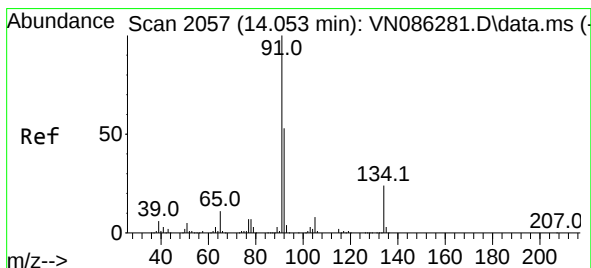
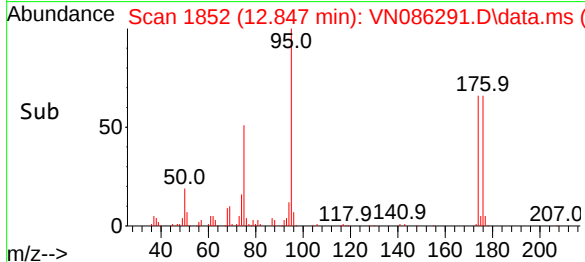
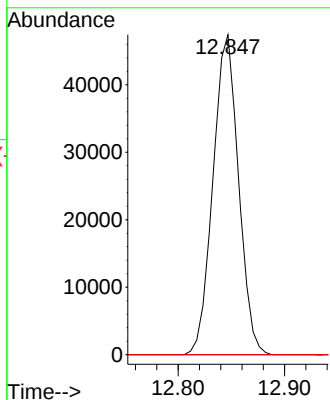
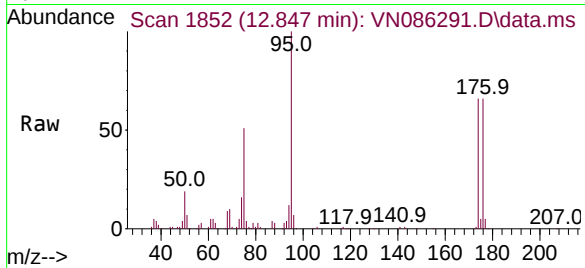




#81
trans-1,4-Dichloro-2-butene
Concen: 62.125 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086291.D
Acq: 16 Apr 2025 12:50

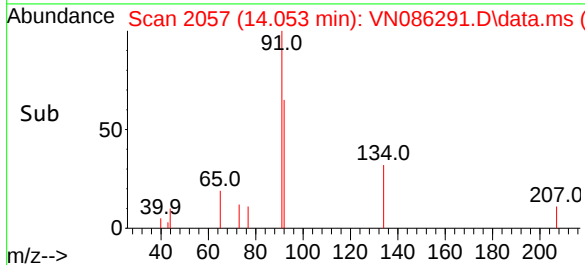
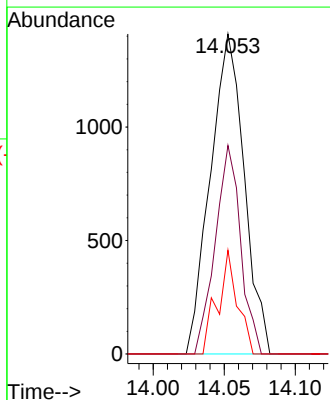
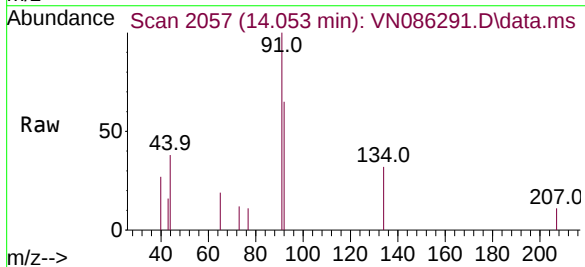
Instrument :
MSVOA_N
ClientSampleId :
IBLK

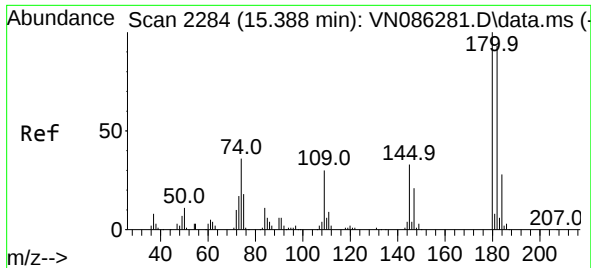
Tgt Ion: 75 Resp: 78936
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#



#89
n-Butylbenzene
Concen: 0.307 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN086291.D
Acq: 16 Apr 2025 12:50

Tgt Ion: 91 Resp: 2337
Ion Ratio Lower Upper
91 100
92 48.9 26.8 80.4
134 19.0 12.2 36.6

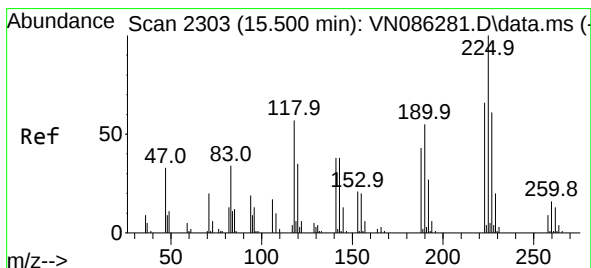
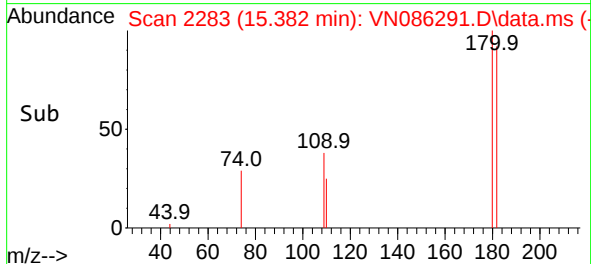
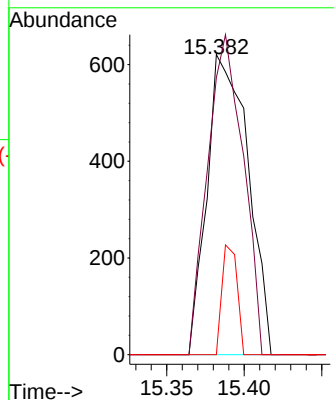
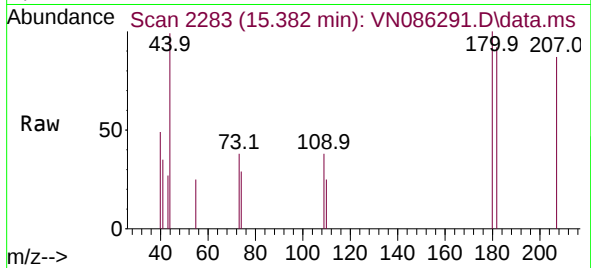




#93
 1,2,4-Trichlorobenzene
 Concen: 0.558 ug/l
 RT: 15.382 min Scan# 211
 Delta R.T. -0.006 min
 Lab File: VN086291.D
 Acq: 16 Apr 2025 12:50

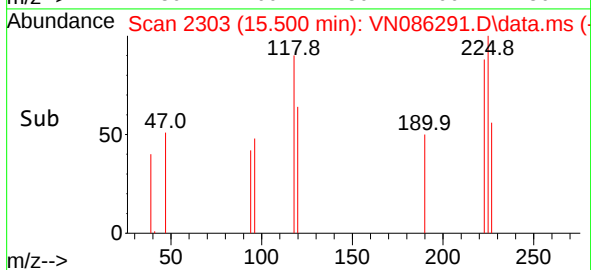
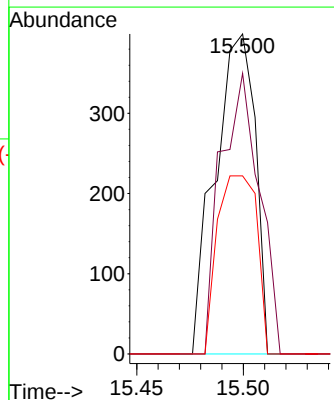
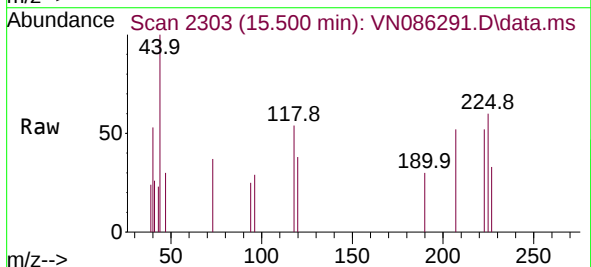
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

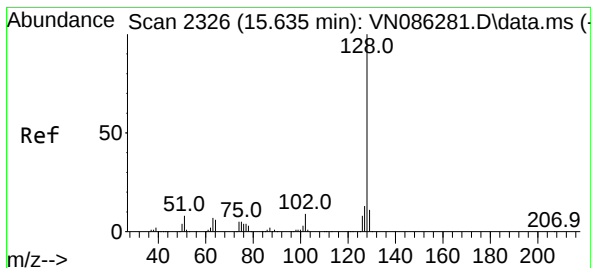
Tgt Ion:180 Resp: 1142
 Ion Ratio Lower Upper
 180 100
 182 92.7 47.0 141.0
 145 13.4 16.4 49.1#



#94
 Hexachlorobutadiene
 Concen: 0.680 ug/l
 RT: 15.500 min Scan# 2303
 Delta R.T. -0.000 min
 Lab File: VN086291.D
 Acq: 16 Apr 2025 12:50

Tgt Ion:225 Resp: 525
 Ion Ratio Lower Upper
 225 100
 223 83.6 32.8 98.3
 227 54.7 31.4 94.0





#95

Naphthalene

Concen: 0.813 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN086291.D

Acq: 16 Apr 2025 12:50

Instrument :

MSVOA_N

ClientSampleId :

IBLK

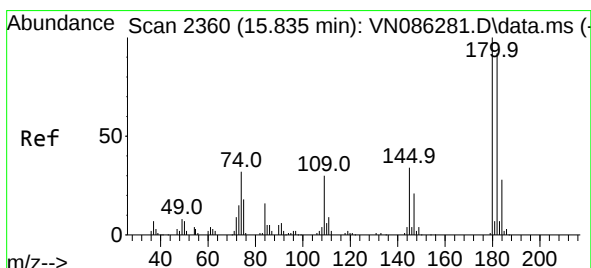
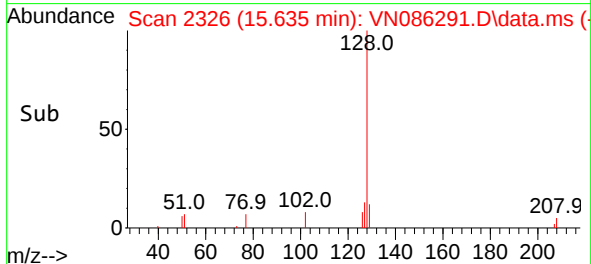
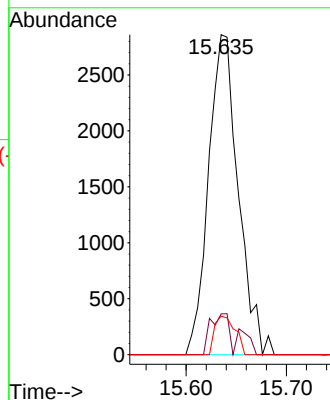
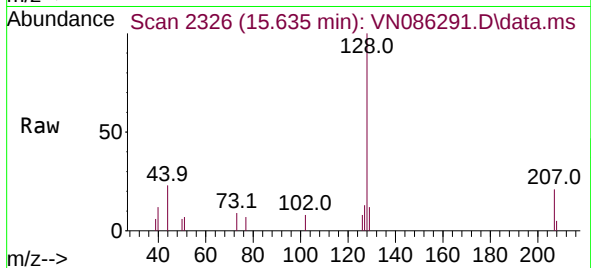
Tgt Ion:128 Resp: 5898

Ion Ratio Lower Upper

128 100

127 7.9 10.2 15.4#

129 8.3 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 0.590 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.000 min

Lab File: VN086291.D

Acq: 16 Apr 2025 12:50

Tgt Ion:180 Resp: 1143

Ion Ratio Lower Upper

180 100

182 90.4 47.3 142.0

145 7.3 17.2 51.5#

