

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090225\
 Data File : VN087709.D
 Acq On : 02 Sep 2025 13:15
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Sep 03 01:19:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

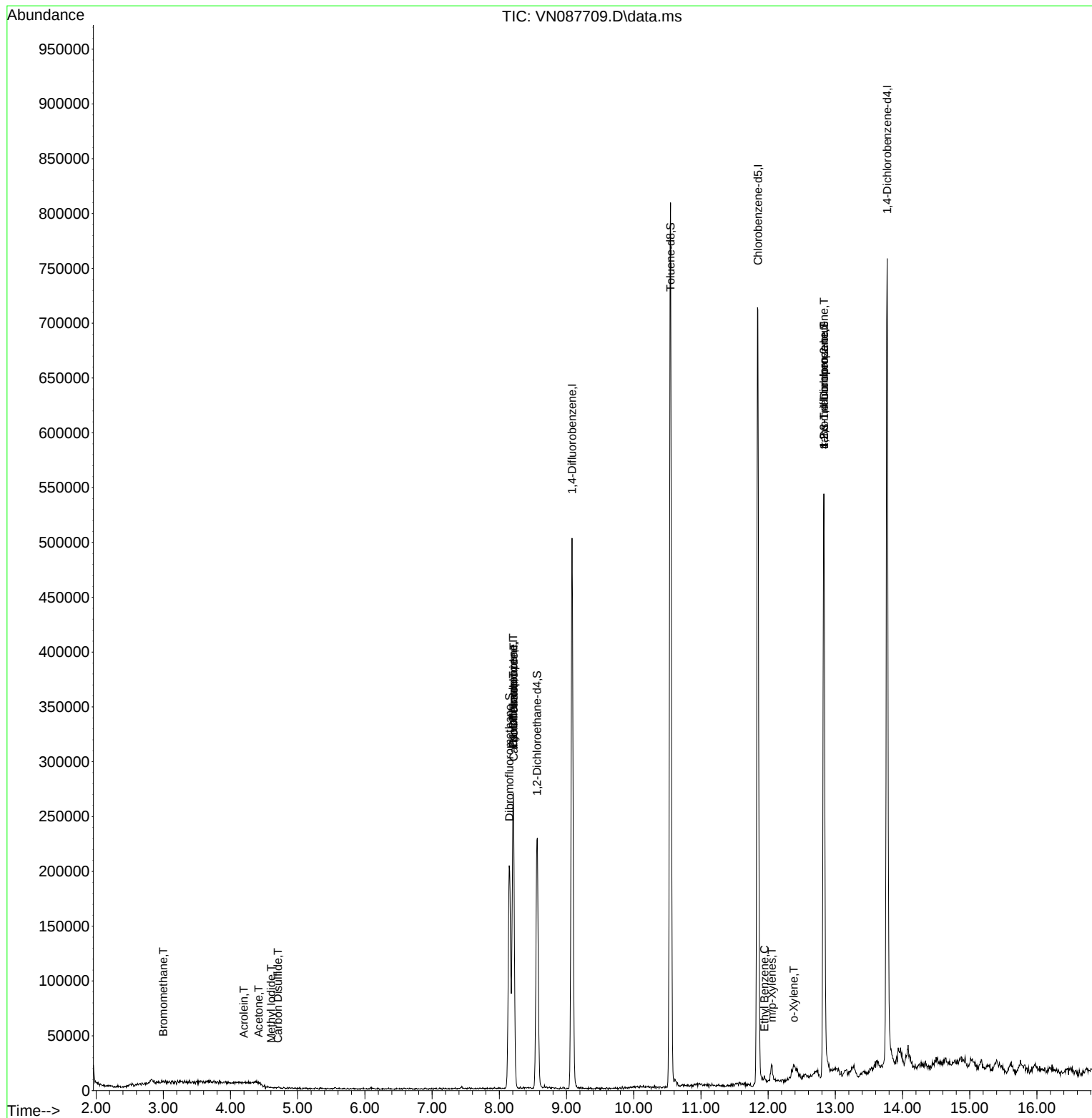
Internal Standards						
1) Pentafluorobenzene	8.206	168	179043	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	417087	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	391302	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	187123	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	193548	52.761	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.520%			
35) Dibromofluoromethane	8.147	113	148160	49.200	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.400%			
50) Toluene-d8	10.547	98	535565	47.517	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.040%			
62) 4-Bromofluorobenzene	12.829	95	190260	47.466	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.940%			
Target Compounds						
					Qvalue	
5) Bromomethane	3.001	94	1178	0.753	ug/l #	42
10) Methyl Iodide	4.606	142	305	6.951	ug/l #	38
13) Acrolein	4.201	56	370	0.473	ug/l #	14
16) Acetone	4.418	43	407	0.204	ug/l #	79
17) Carbon Disulfide	4.706	76	1519	0.214	ug/l #	74
20) Methylene Chloride	5.259	84	54	Below Cal	#	35
31) Cyclohexane	8.206	56	5893	1.277	ug/l #	1
36) 1,1-Dichloropropene	8.206	75	17570	3.803	ug/l #	52
38) Carbon Tetrachloride	8.212	117	20705	4.539	ug/l #	15
67) Ethyl Benzene	11.947	91	3546	0.210	ug/l #	68
68) m/p-Xylenes	12.053	106	4849	0.784	ug/l	92
69) o-Xylene	12.382	106	1391	0.230	ug/l	85
76) 1,2,3-Trichloropropane	12.829	75	111907	25.502	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	111907	67.514	ug/l #	1

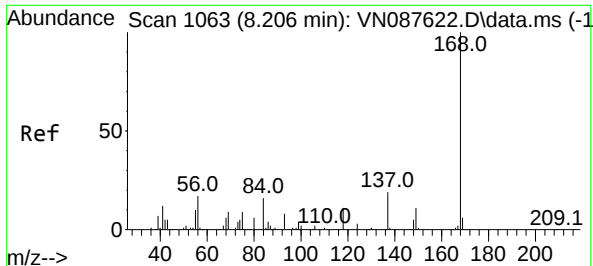
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 22 02:55:42 2025
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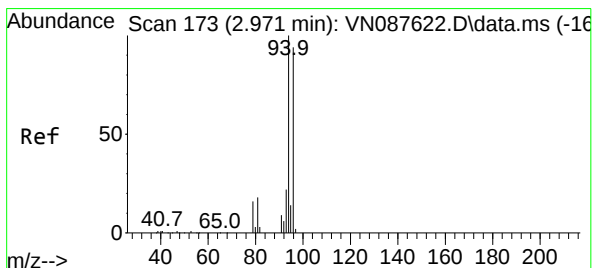
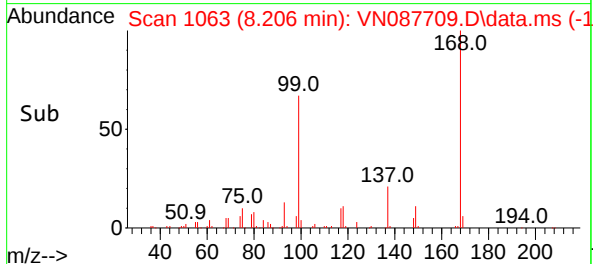
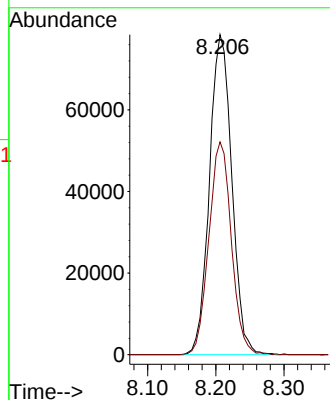
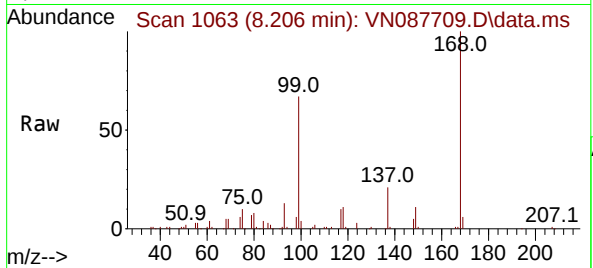




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087709.D
Acq: 02 Sep 2025 13:15

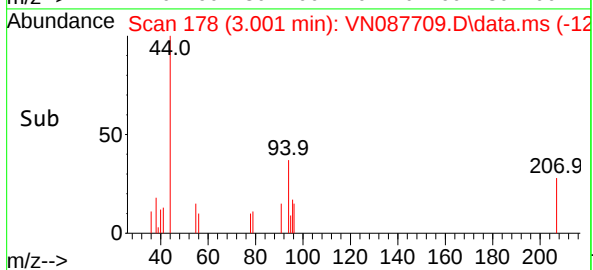
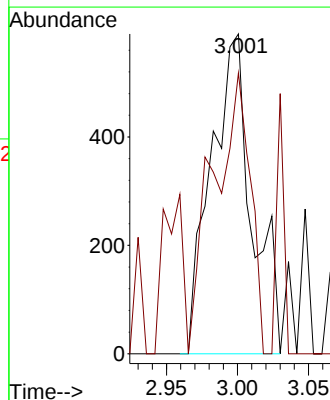
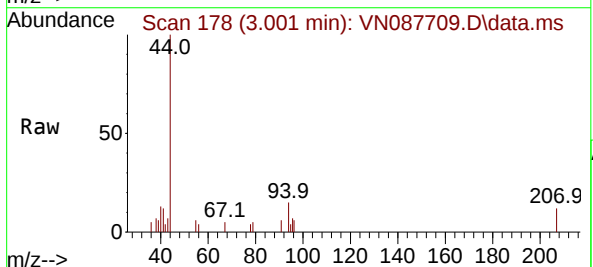
Instrument :
MSVOA_N
ClientSampleId :
IBLK

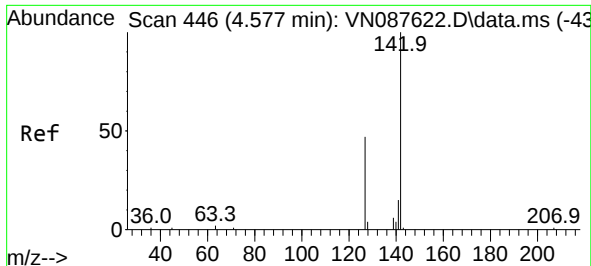
Tgt Ion:168 Resp: 179043
Ion Ratio Lower Upper
168 100
99 66.5 57.2 85.8



#5
Bromomethane
Concen: 0.753 ug/l
RT: 3.001 min Scan# 178
Delta R.T. 0.029 min
Lab File: VN087709.D
Acq: 02 Sep 2025 13:15

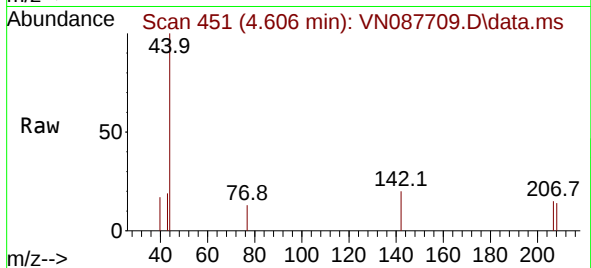
Tgt Ion: 94 Resp: 1178
Ion Ratio Lower Upper
94 100
96 38.0 75.4 113.2#



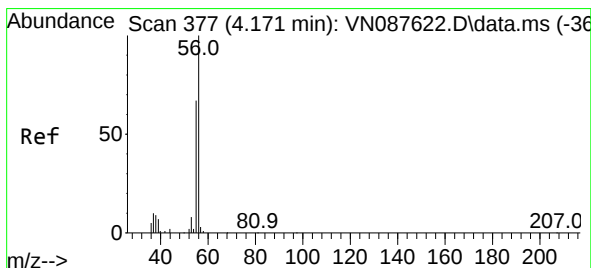
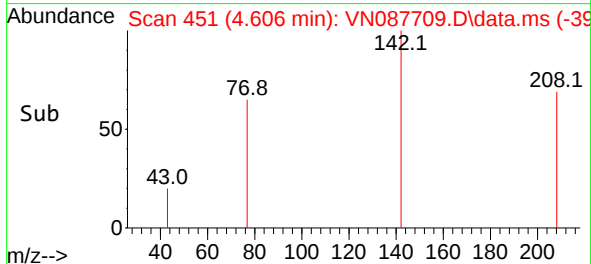
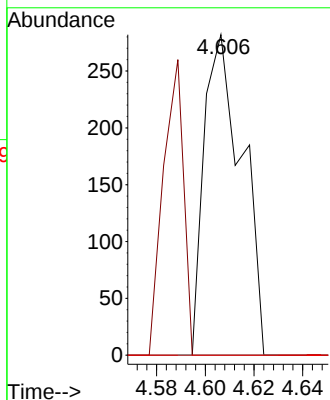


#10
Methyl Iodide
Concen: 6.951 ug/l
RT: 4.606 min Scan# 41
Delta R.T. 0.029 min
Lab File: VN087709.D
Acq: 02 Sep 2025 13:15

Instrument :
MSVOA_N
ClientSampleId :
IBLK

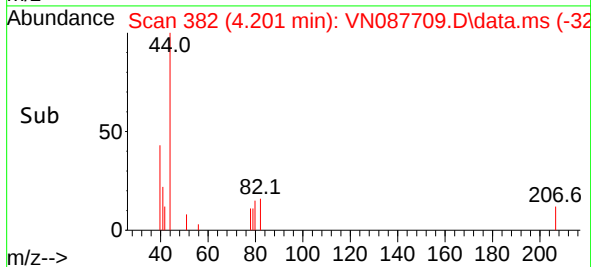
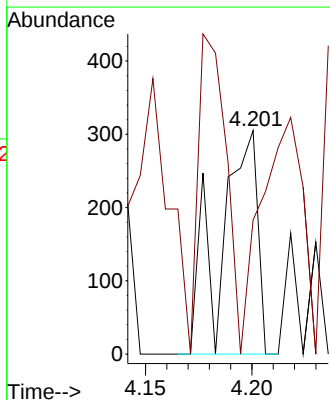
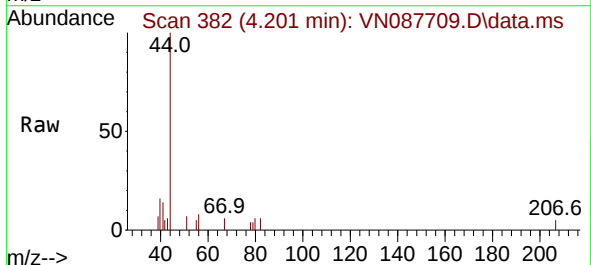


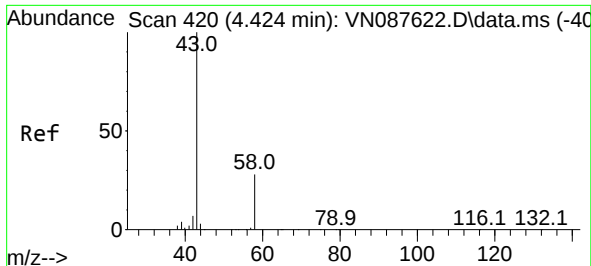
Tgt Ion:142 Resp: 305
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#



#13
Acrolein
Concen: 0.473 ug/l
RT: 4.201 min Scan# 382
Delta R.T. 0.029 min
Lab File: VN087709.D
Acq: 02 Sep 2025 13:15

Tgt Ion: 56 Resp: 370
Ion Ratio Lower Upper
56 100
55 0.0 57.3 85.9#





#16

Acetone

Concen: 0.204 ug/l

RT: 4.418 min Scan# 41

Delta R.T. -0.006 min

Lab File: VN087709.D

Acq: 02 Sep 2025 13:15

Instrument :

MSVOA_N

ClientSampleId :

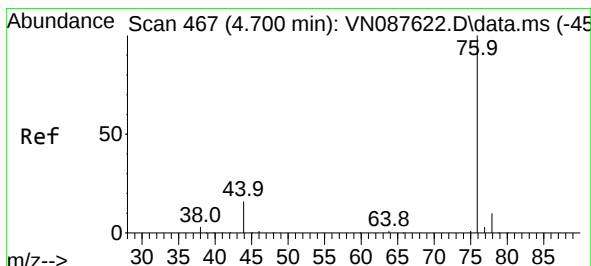
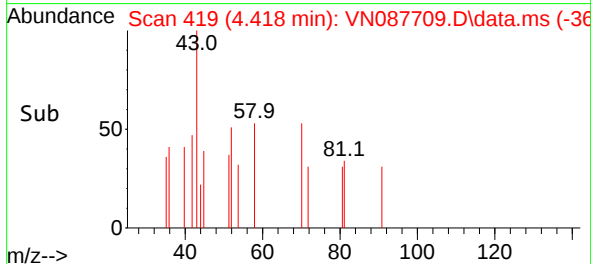
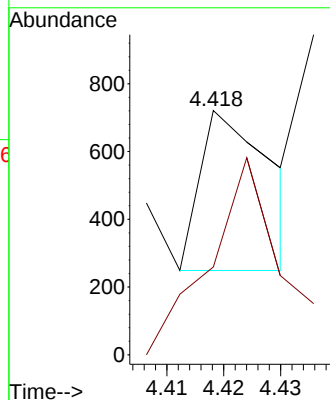
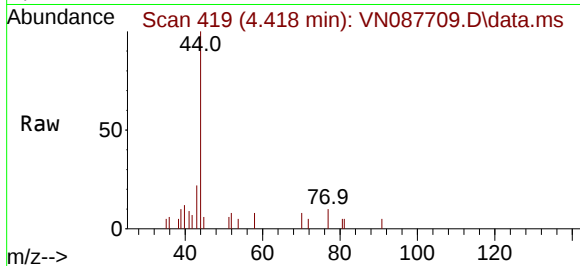
IBLK

Tgt Ion: 43 Resp: 407

Ion Ratio Lower Upper

43 100

58 16.9 22.6 33.8#



#17

Carbon Disulfide

Concen: 0.214 ug/l

RT: 4.706 min Scan# 468

Delta R.T. 0.006 min

Lab File: VN087709.D

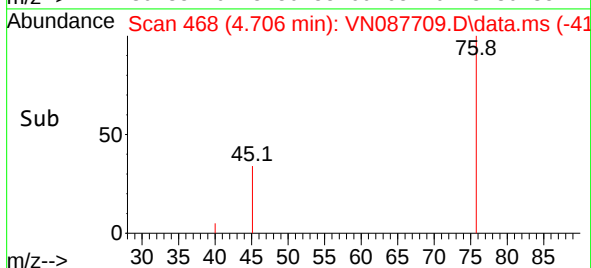
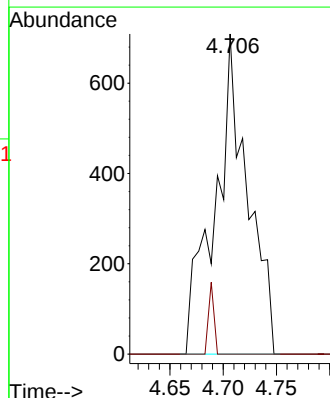
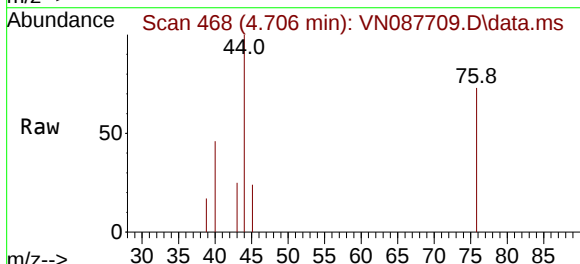
Acq: 02 Sep 2025 13:15

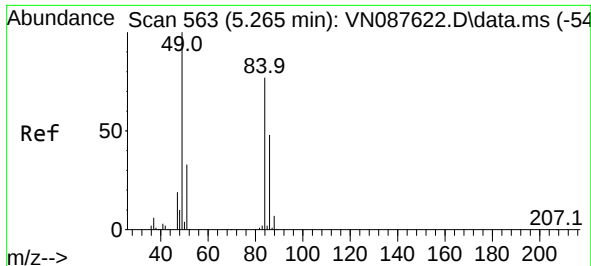
Tgt Ion: 76 Resp: 1519

Ion Ratio Lower Upper

76 100

78 0.0 7.6 11.4#





#20

Methylene Chloride

Concen: Below Cal

RT: 5.259 min Scan# 5

Delta R.T. -0.006 min

Lab File: VN087709.D

Acq: 02 Sep 2025 13:15

Instrument :

MSVOA_N

ClientSampleId :

IBLK

Tgt Ion: 84 Resp: 54

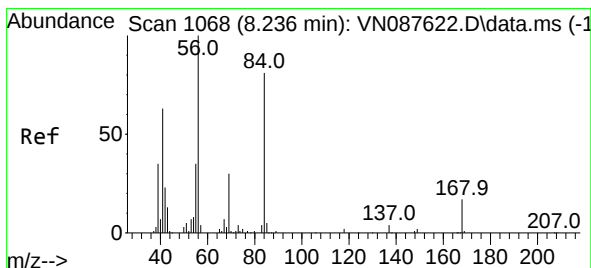
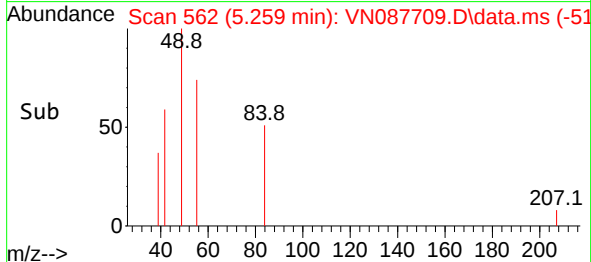
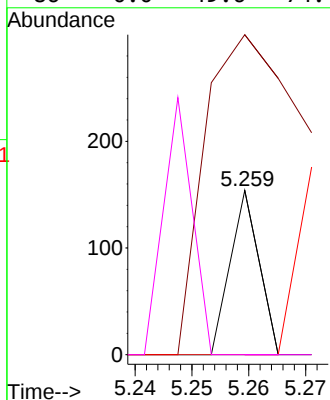
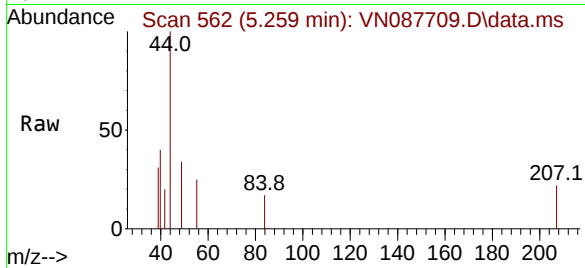
Ion Ratio Lower Upper

84 100

49 194.8 103.4 155.2#

51 0.0 33.8 50.8#

86 0.0 49.6 74.4#



#31

Cyclohexane

Concen: 1.277 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.029 min

Lab File: VN087709.D

Acq: 02 Sep 2025 13:15

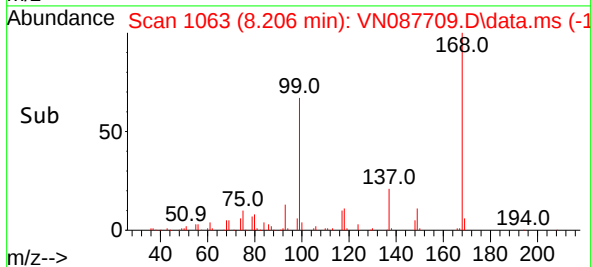
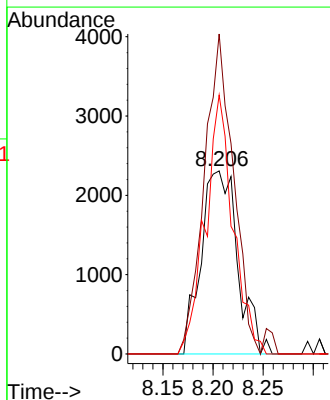
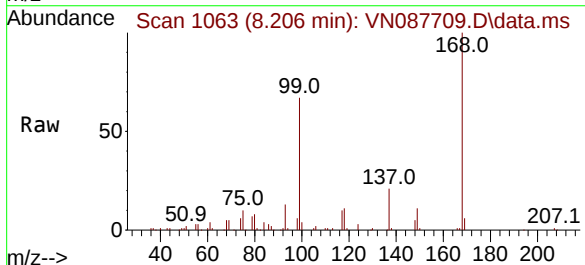
Tgt Ion: 56 Resp: 5893

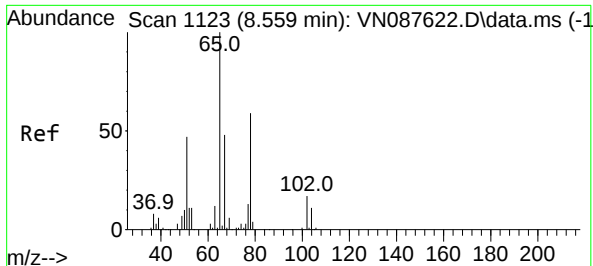
Ion Ratio Lower Upper

56 100

69 174.8 23.7 35.5#

84 141.4 64.7 97.1#





#33

1,2-Dichloroethane-d4

Concen: 52.761 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN087709.D

Acq: 02 Sep 2025 13:15

Instrument :

MSVOA_N

ClientSampleId :

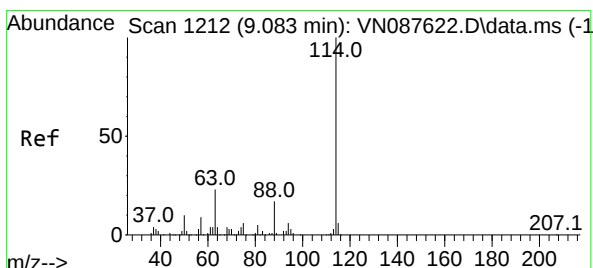
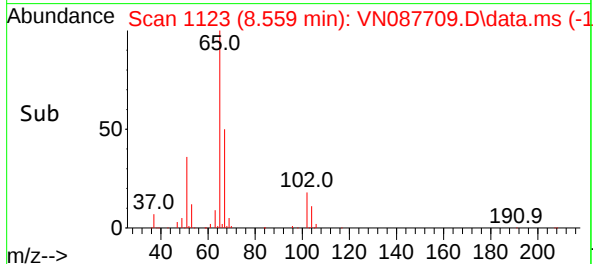
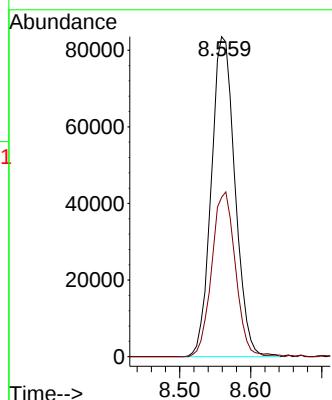
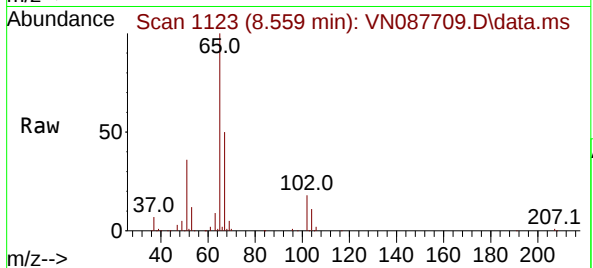
IBLK

Tgt Ion: 65 Resp: 193548

Ion Ratio Lower Upper

65 100

67 51.1 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN087709.D

Acq: 02 Sep 2025 13:15

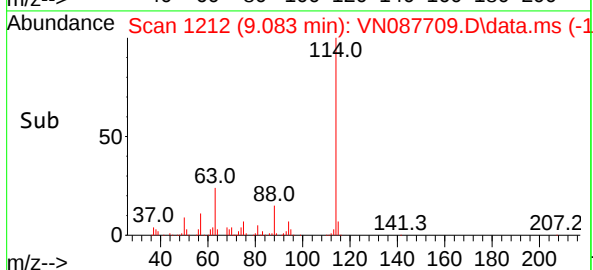
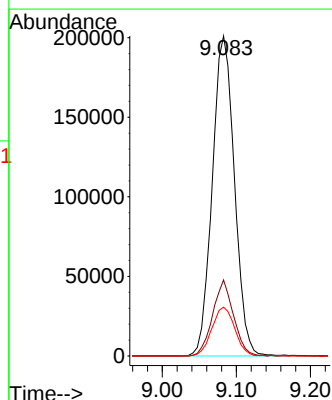
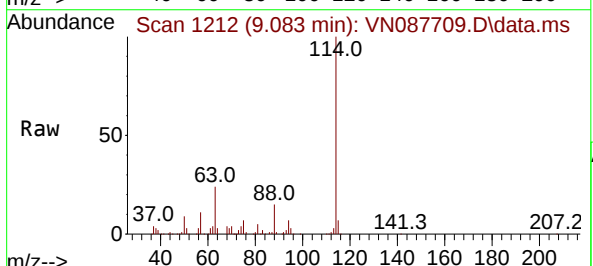
Tgt Ion: 114 Resp: 417087

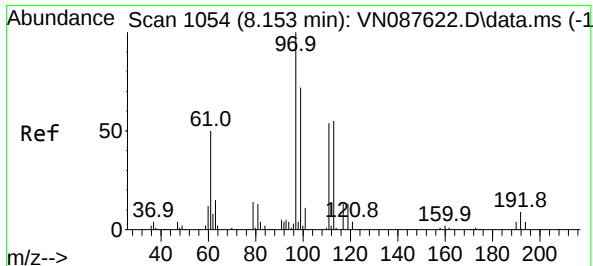
Ion Ratio Lower Upper

114 100

63 23.8 0.0 45.2

88 15.2 0.0 33.4





#35

Dibromofluoromethane

Concen: 49.200 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087709.D

Acq: 02 Sep 2025 13:15

Instrument :

MSVOA_N

ClientSampleId :

IBLK

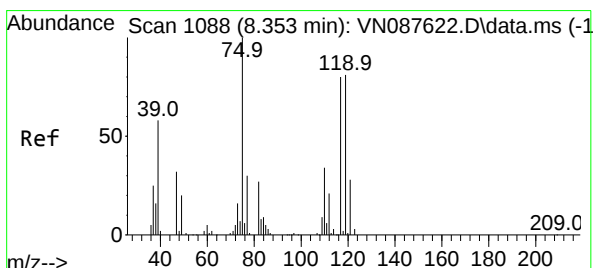
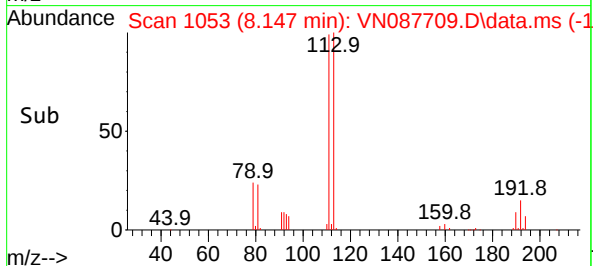
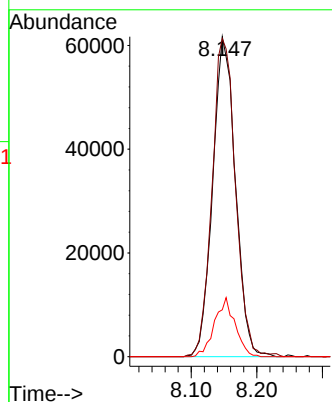
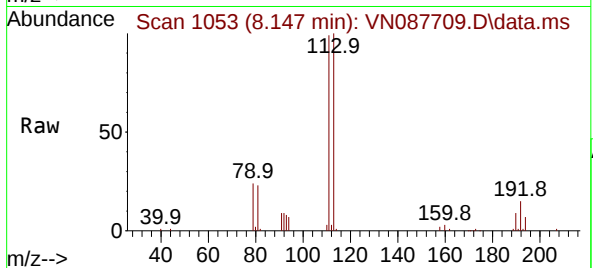
Tgt Ion:113 Resp: 148160

Ion Ratio Lower Upper

113 100

111 102.4 82.8 124.2

192 16.7 12.8 19.2



#36

1,1-Dichloropropene

Concen: 3.803 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN087709.D

Acq: 02 Sep 2025 13:15

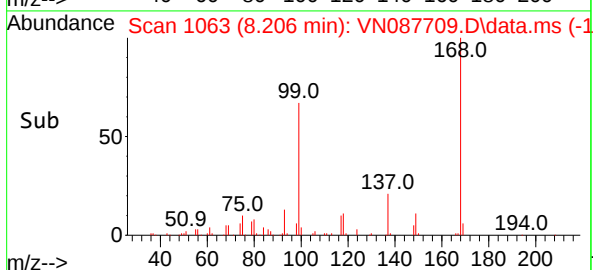
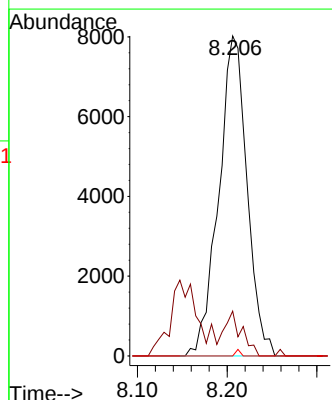
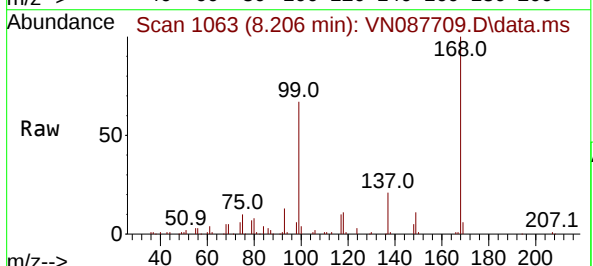
Tgt Ion: 75 Resp: 17570

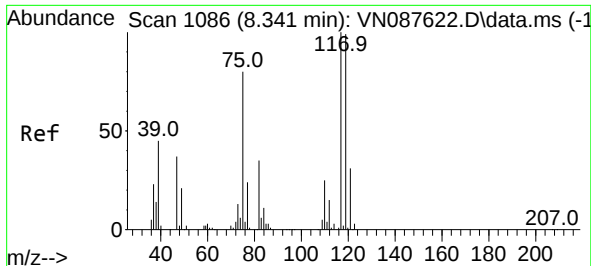
Ion Ratio Lower Upper

75 100

110 8.6 15.9 47.6#

77 0.3 24.4 36.6#

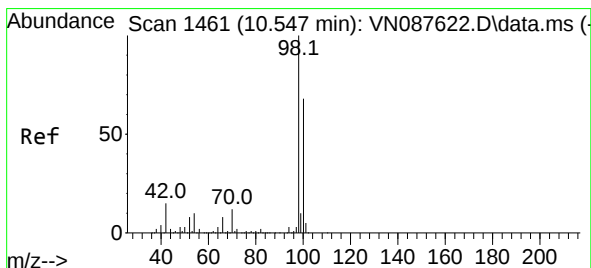
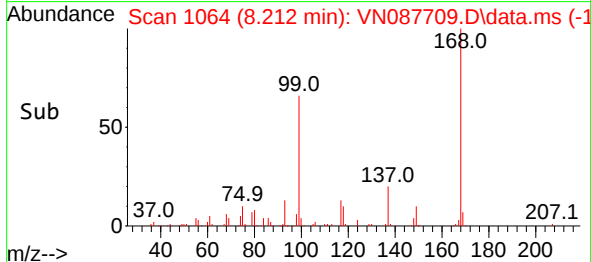
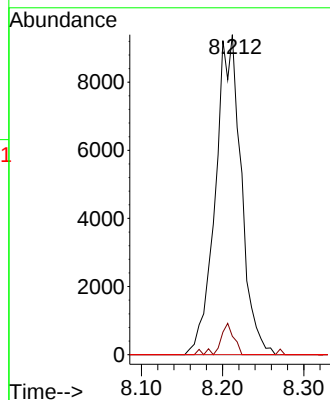
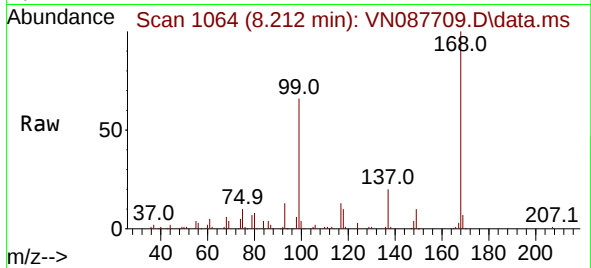




#38
Carbon Tetrachloride
Concen: 4.539 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.129 min
Lab File: VN087709.D
Acq: 02 Sep 2025 13:15

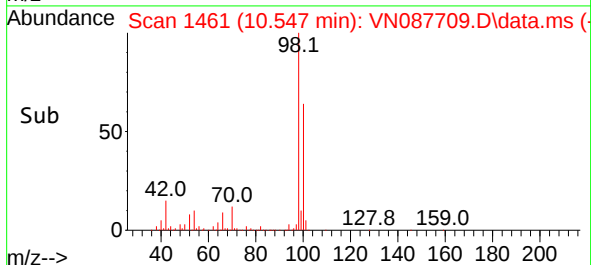
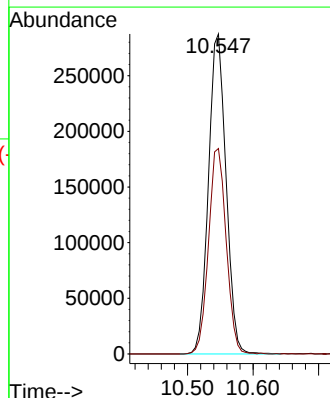
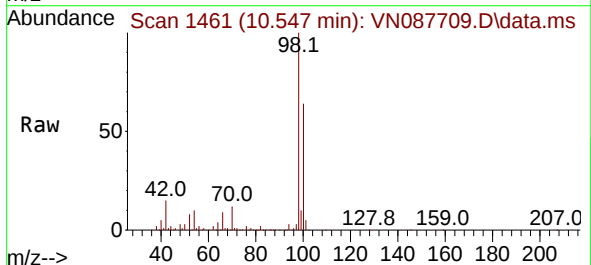
Instrument :
MSVOA_N
ClientSampleId :
IBLK

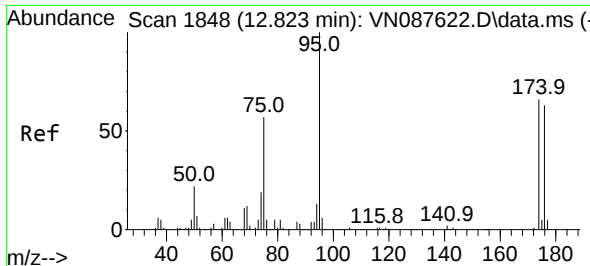
Tgt Ion:117 Resp: 20705
Ion Ratio Lower Upper
117 100
119 5.7 79.0 118.6#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 47.517 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087709.D
Acq: 02 Sep 2025 13:15

Tgt Ion: 98 Resp: 535565
Ion Ratio Lower Upper
98 100
100 64.6 52.8 79.2

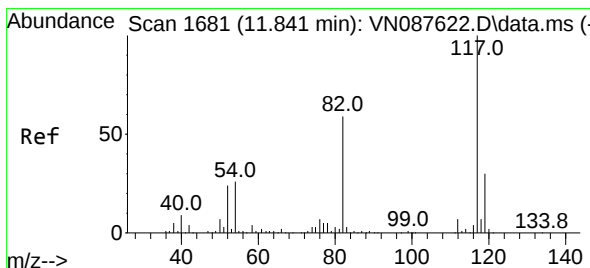
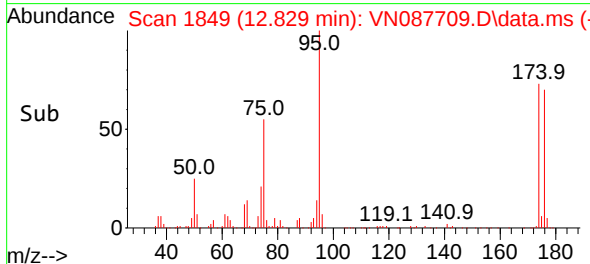
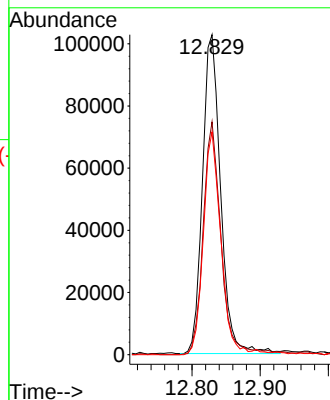
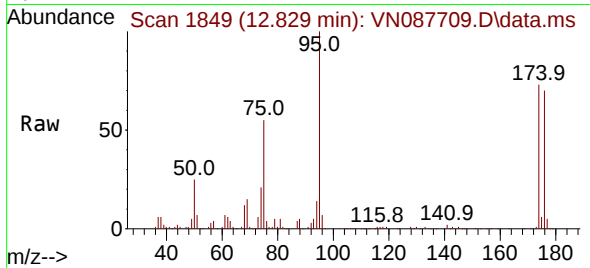




#62
4-Bromofluorobenzene
Concen: 47.466 ug/l
RT: 12.829 min Scan# 1848
Delta R.T. 0.006 min
Lab File: VN087709.D
Acq: 02 Sep 2025 13:15

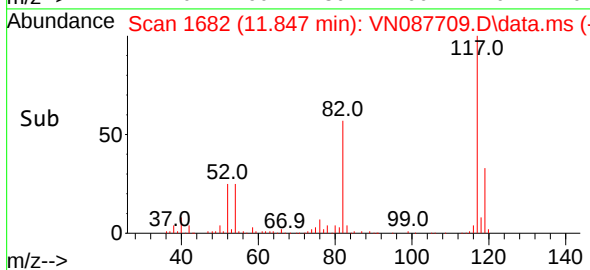
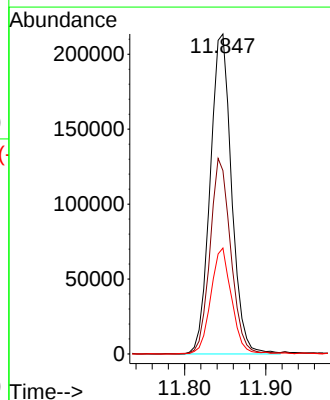
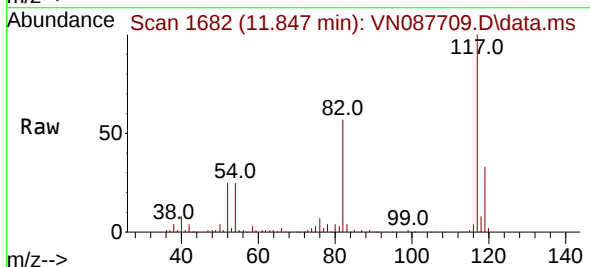
Instrument :
MSVOA_N
ClientSampleId :
IBLK

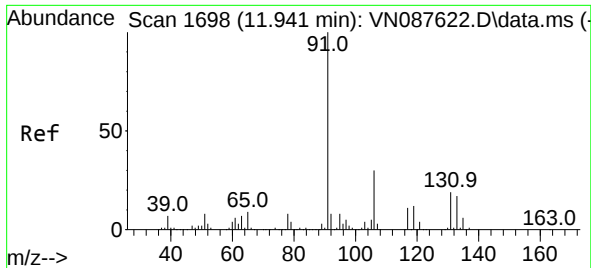
Tgt Ion: 95 Resp: 190260
Ion Ratio Lower Upper
95 100
174 71.6 0.0 138.4
176 66.8 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087709.D
Acq: 02 Sep 2025 13:15

Tgt Ion: 117 Resp: 391302
Ion Ratio Lower Upper
117 100
82 57.3 47.4 71.2
119 33.0 24.3 36.5





#67

Ethyl Benzene

Concen: 0.210 ug/l

RT: 11.947 min Scan# 1698

Delta R.T. 0.006 min

Lab File: VN087709.D

Acq: 02 Sep 2025 13:15

Instrument :

MSVOA_N

ClientSampleId :

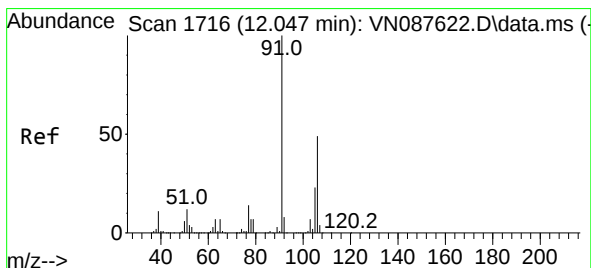
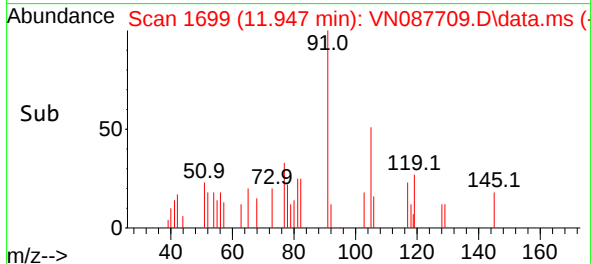
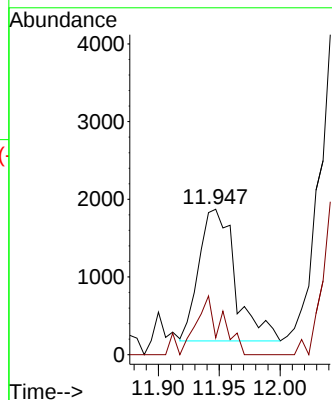
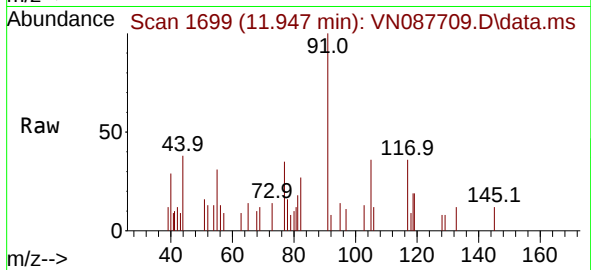
IBLK

Tgt Ion: 91 Resp: 3546

Ion Ratio Lower Upper

91 100

106 12.7 24.1 36.1#



#68

m/p-Xylenes

Concen: 0.784 ug/l

RT: 12.053 min Scan# 1717

Delta R.T. 0.006 min

Lab File: VN087709.D

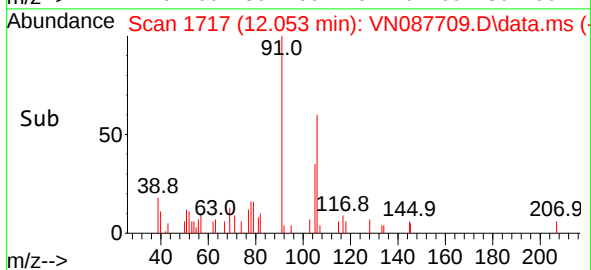
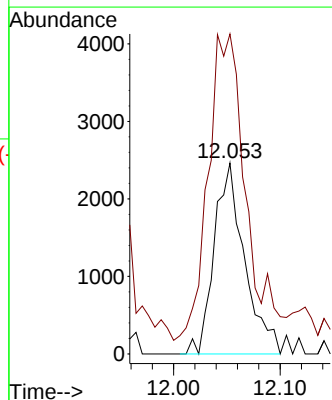
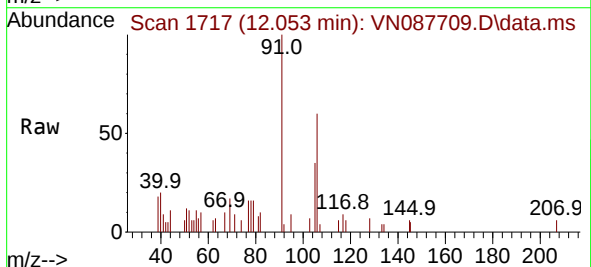
Acq: 02 Sep 2025 13:15

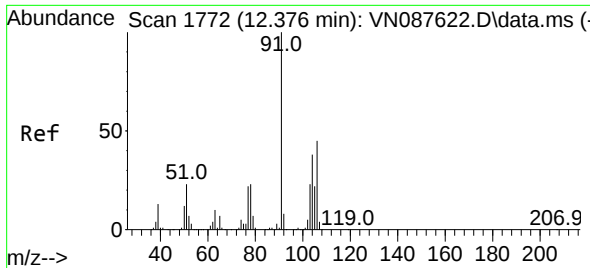
Tgt Ion: 106 Resp: 4849

Ion Ratio Lower Upper

106 100

91 199.4 169.3 253.9

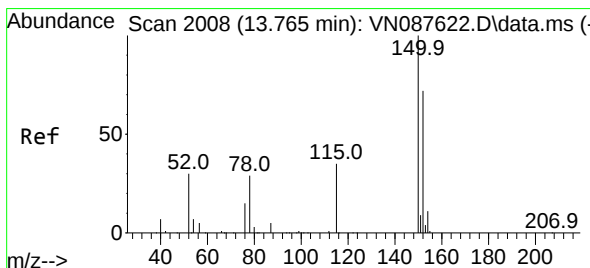
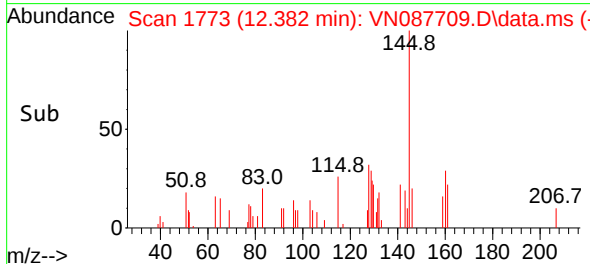
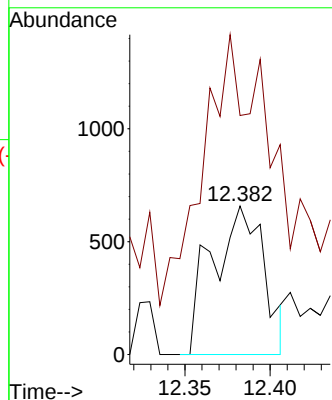
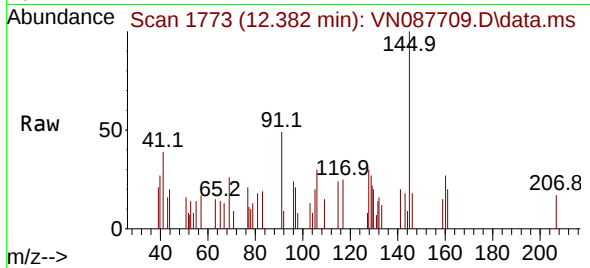




#69
o-Xylene
Concen: 0.230 ug/l
RT: 12.382 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087709.D
Acq: 02 Sep 2025 13:15

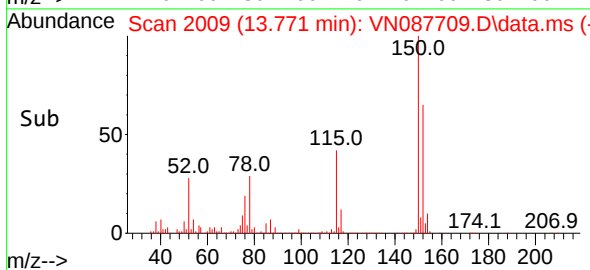
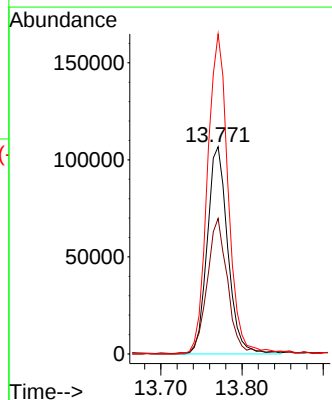
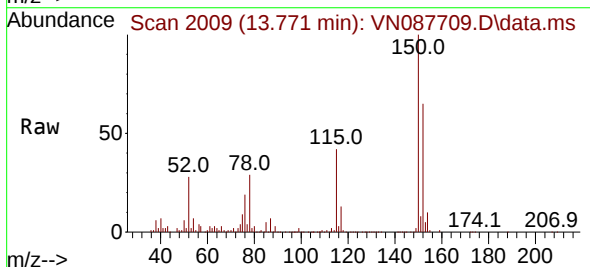
Instrument :
MSVOA_N
ClientSampleId :
IBLK

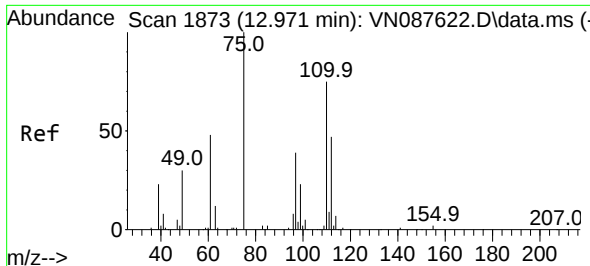
Tgt Ion:106 Resp: 1391
Ion Ratio Lower Upper
106 100
91 247.7 111.4 334.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087709.D
Acq: 02 Sep 2025 13:15

Tgt Ion:152 Resp: 187123
Ion Ratio Lower Upper
152 100
115 64.5 32.3 96.8
150 156.4 0.0 351.0

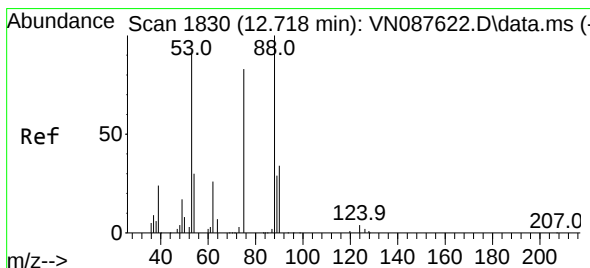
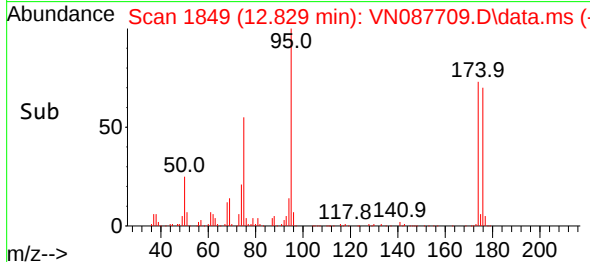
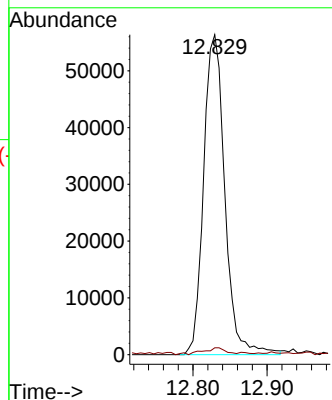
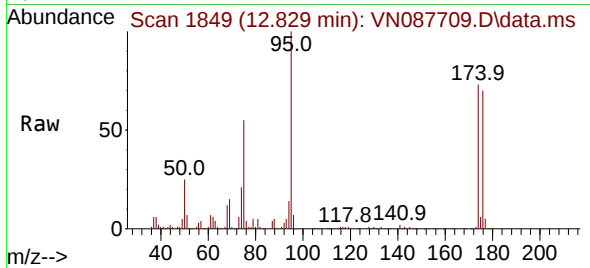




#76
1,2,3-Trichloropropane
Concen: 25.502 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087709.D
Acq: 02 Sep 2025 13:15

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 111907
Ion Ratio Lower Upper
75 100
77 1.6 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.514 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087709.D
Acq: 02 Sep 2025 13:15

Tgt Ion: 75 Resp: 111907
Ion Ratio Lower Upper
75 100
53 0.1 101.8 152.6#
89 0.1 35.6 53.4#

