

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
 Data File : VN086962.D
 Acq On : 11 Jun 2025 20:17
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 12 01:46:51 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	8.235	168	283775	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	536256	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	470110	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	227763	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	185453	48.811	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.620%
35) Dibromofluoromethane	8.177	113	157304	49.498	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.000%
50) Toluene-d8	10.570	98	648681	51.561	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.120%
62) 4-Bromofluorobenzene	12.847	95	231233	49.471	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.940%

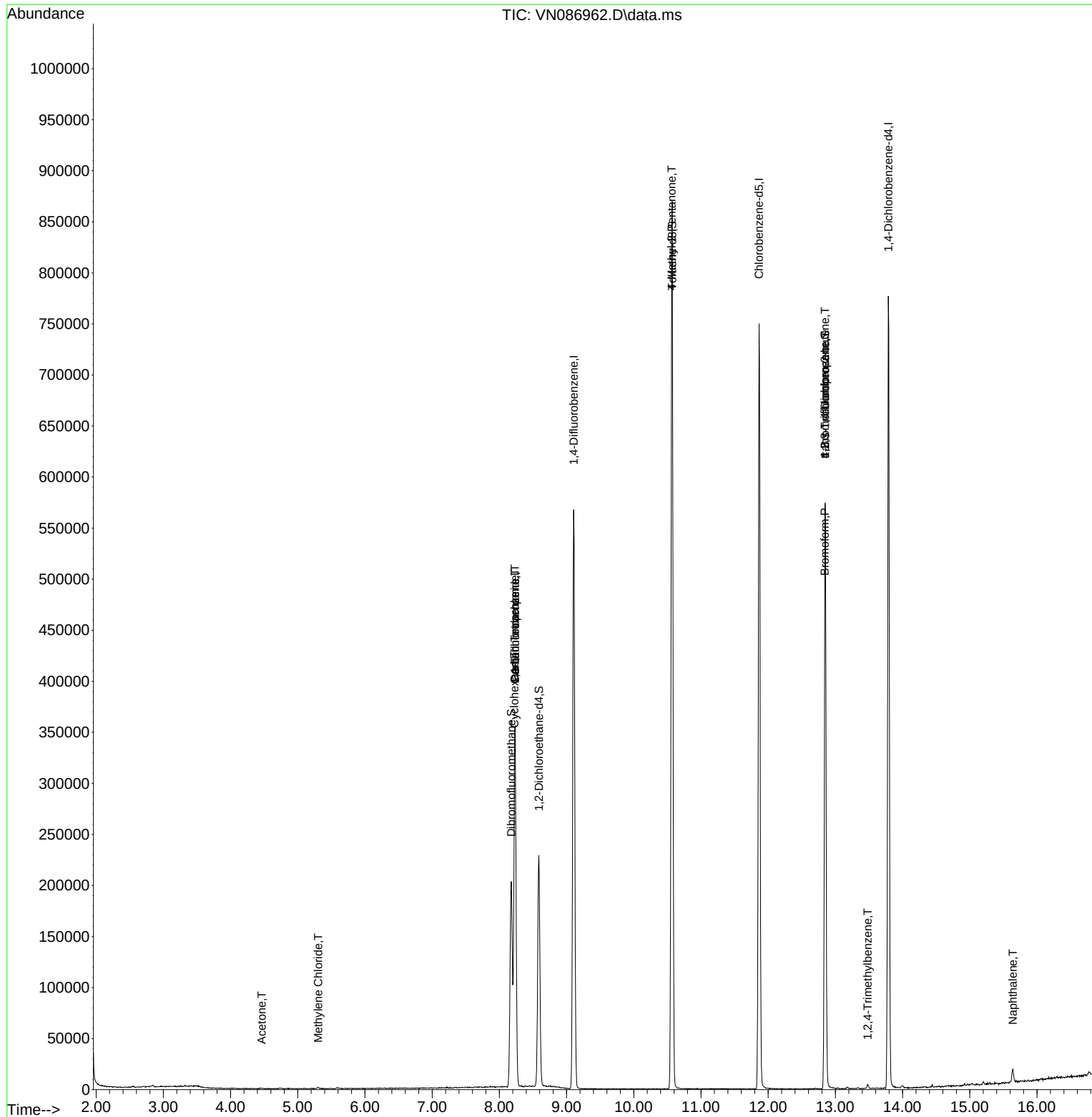
Target Compounds					Qvalue	
16) Acetone	4.465	43	898	0.446	ug/l #	40
20) Methylene Chloride	5.306	84	824	0.218	ug/l	85
31) Cyclohexane	8.224	56	5212	0.846	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	21588	4.559	ug/l #	47
38) Carbon Tetrachloride	8.229	117	27099	5.829	ug/l #	18
51) 4-Methyl-2-Pentanone	10.565	43	2381	0.409	ug/l #	1
71) Bromoform	12.841	173	1181	0.478	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	108151	19.976	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	108151	45.984	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.482	105	3309	0.241	ug/l	96
95) Naphthalene	15.641	128	12827	0.750	ug/l	98

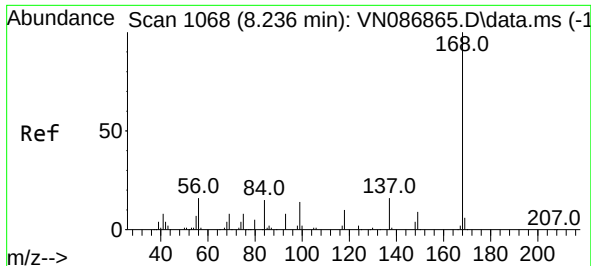
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

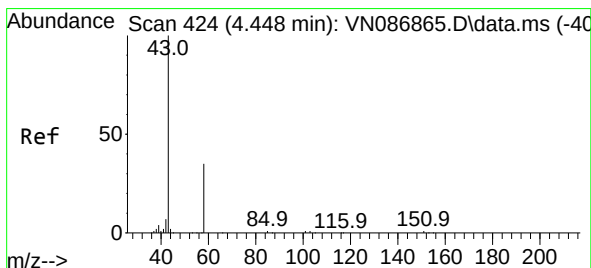
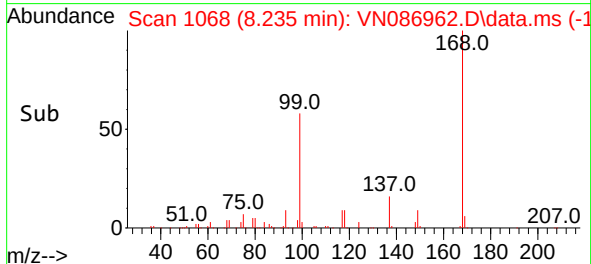
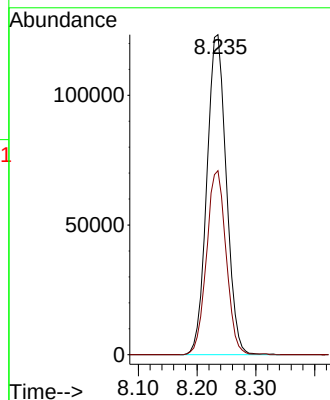
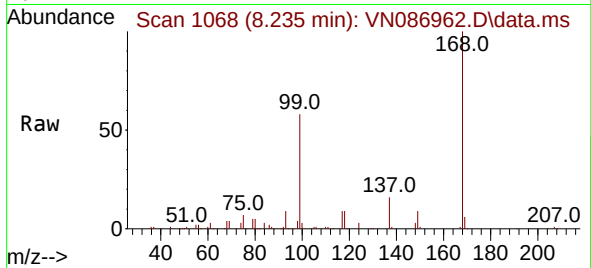




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN086962.D
Acq: 11 Jun 2025 20:17

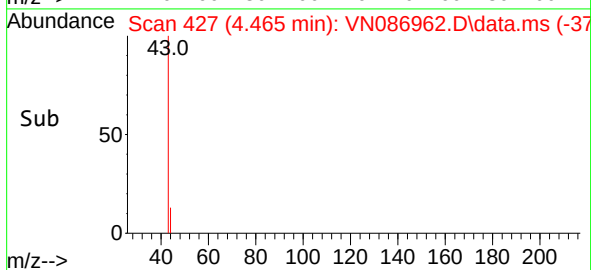
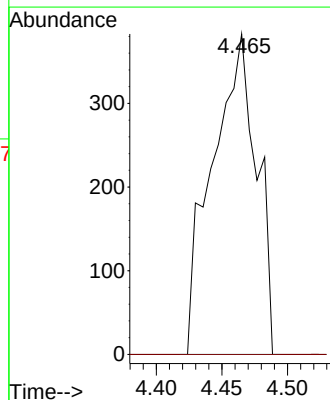
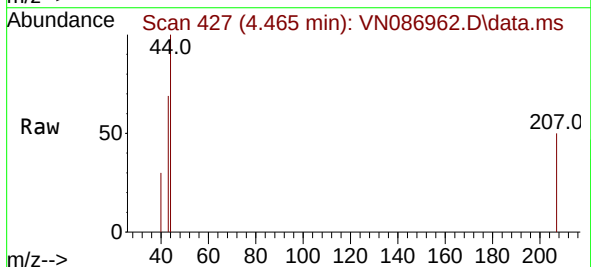
Instrument :
MSVOA_N
ClientSampleId :
IBLK

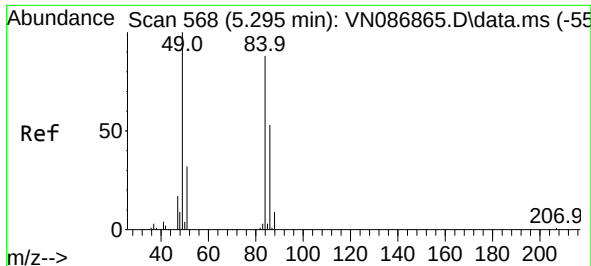
Tgt Ion:168 Resp: 283775
Ion Ratio Lower Upper
168 100
99 57.5 49.1 73.7



#16
Acetone
Concen: 0.446 ug/l
RT: 4.465 min Scan# 427
Delta R.T. 0.017 min
Lab File: VN086962.D
Acq: 11 Jun 2025 20:17

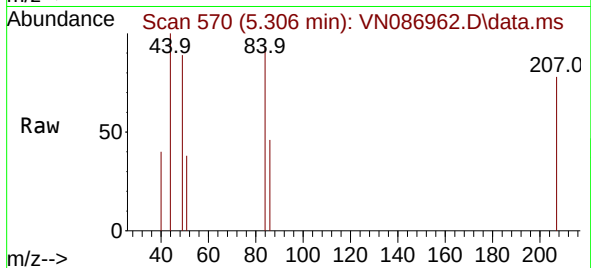
Tgt Ion: 43 Resp: 898
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#





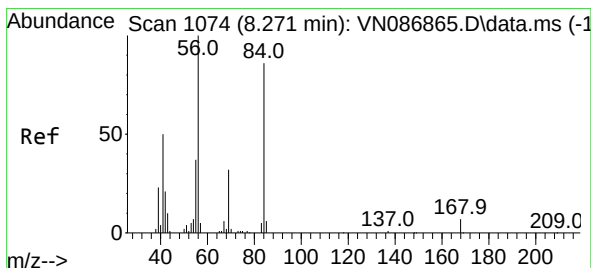
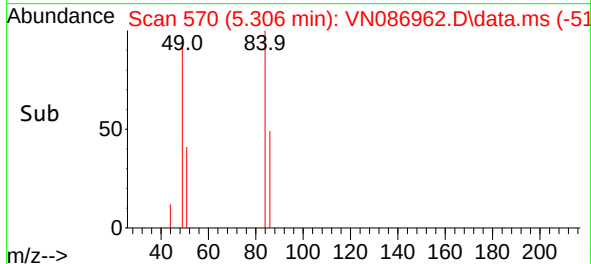
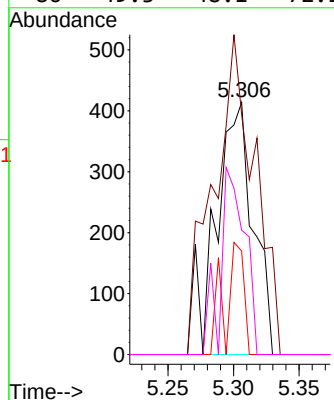
#20
Methylene Chloride
Concen: 0.218 ug/l
RT: 5.306 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN086962.D
Acq: 11 Jun 2025 20:17

Instrument :
MSVOA_N
ClientSampleId :
IBLK



Tgt Ion: 84 Resp: 824

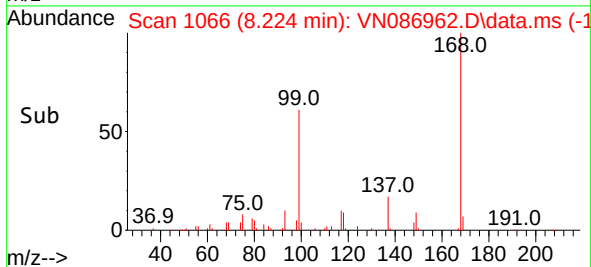
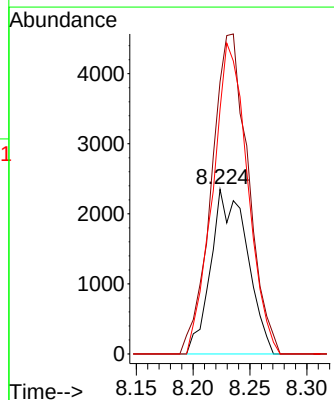
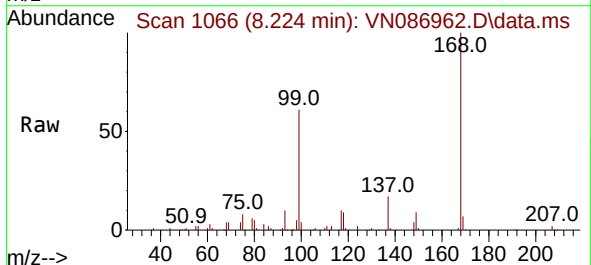
Ion	Ratio	Lower	Upper
84	100		
49	95.2	90.5	135.7
51	41.1	28.5	42.7
86	49.3	48.1	72.1

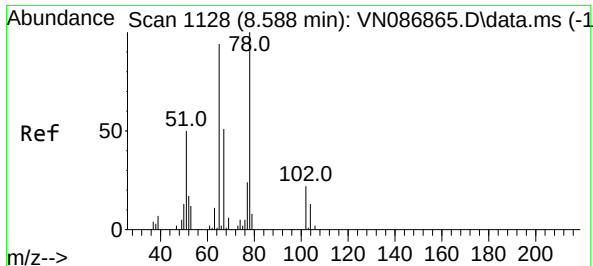


#31
Cyclohexane
Concen: 0.846 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.047 min
Lab File: VN086962.D
Acq: 11 Jun 2025 20:17

Tgt Ion: 56 Resp: 5212

Ion	Ratio	Lower	Upper
56	100		
69	165.3	25.4	38.0#
84	148.6	68.8	103.2#





#33

1,2-Dichloroethane-d4

Concen: 48.811 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN086962.D

Acq: 11 Jun 2025 20:17

Instrument :

MSVOA_N

ClientSampleId :

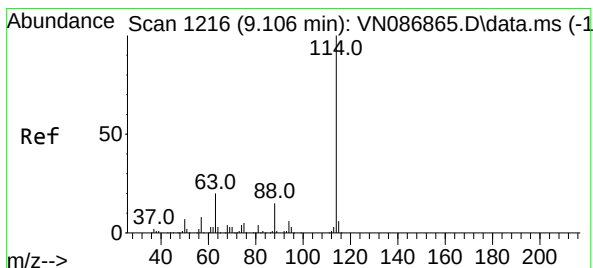
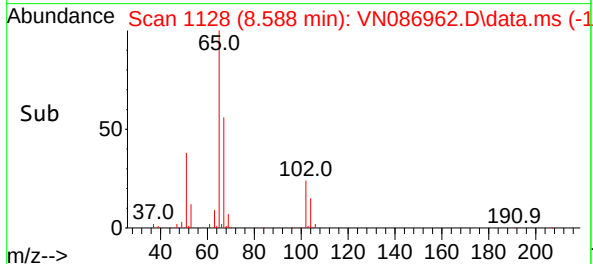
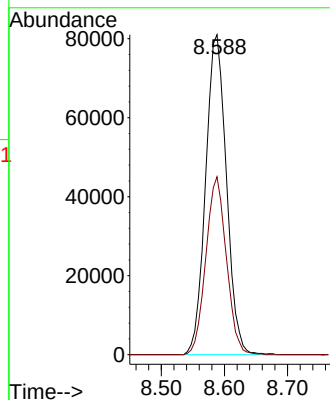
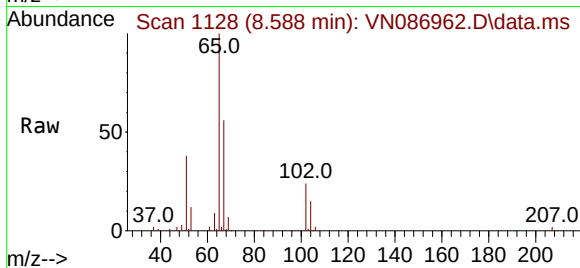
IBLK

Tgt Ion: 65 Resp: 185453

Ion Ratio Lower Upper

65 100

67 54.8 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: VN086962.D

Acq: 11 Jun 2025 20:17

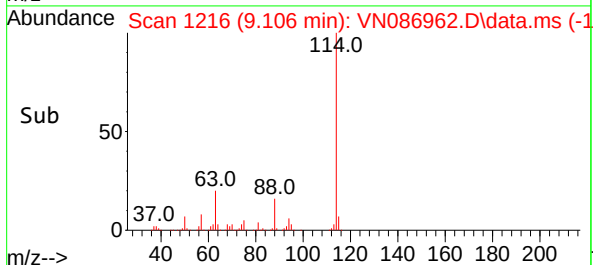
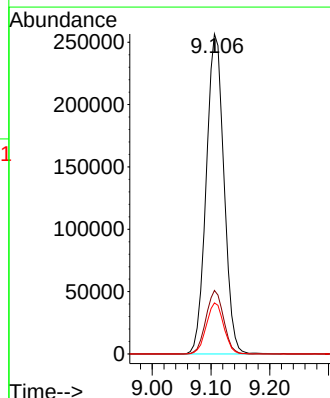
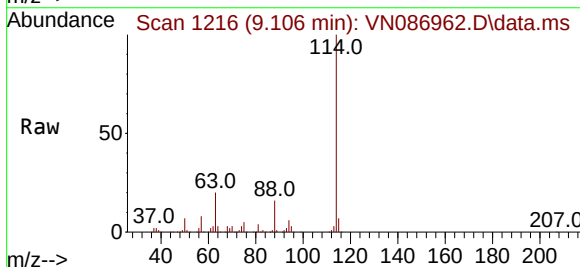
Tgt Ion: 114 Resp: 536256

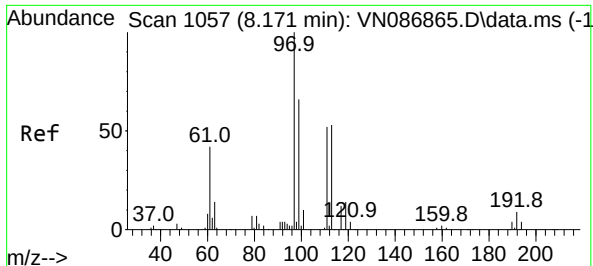
Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

88 16.0 0.0 30.2

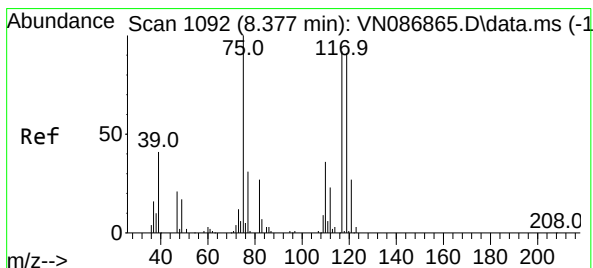
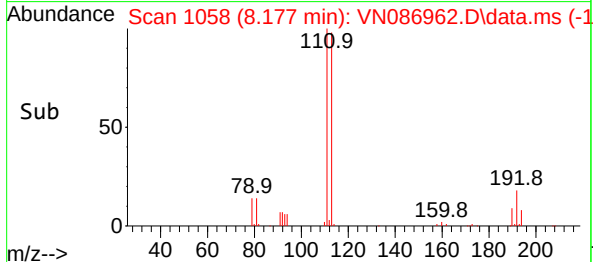
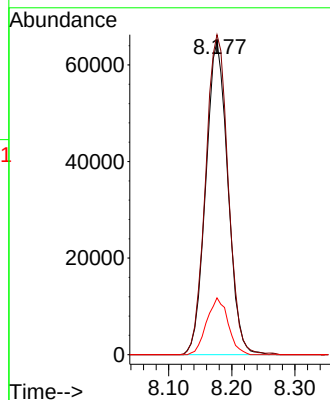
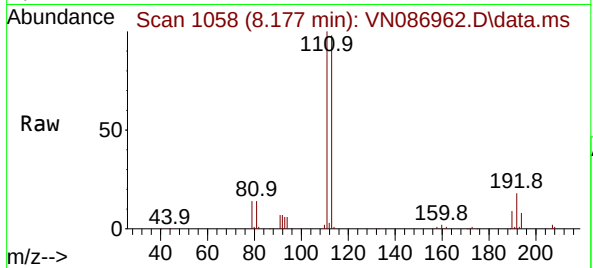




#35
Dibromofluoromethane
Concen: 49.498 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN086962.D
Acq: 11 Jun 2025 20:17

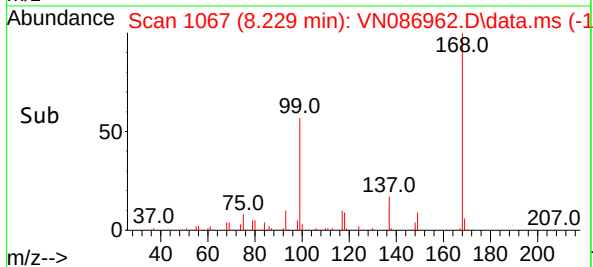
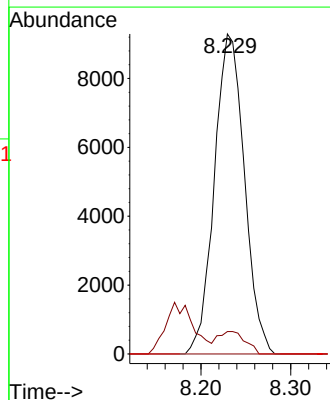
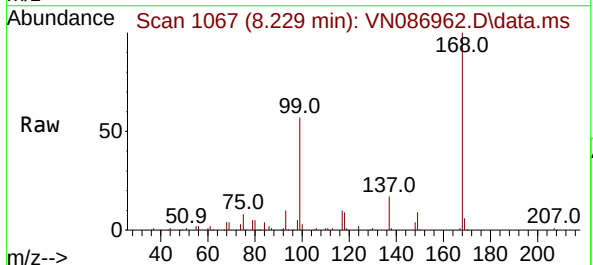
Instrument :
MSVOA_N
ClientSampleId :
IBLK

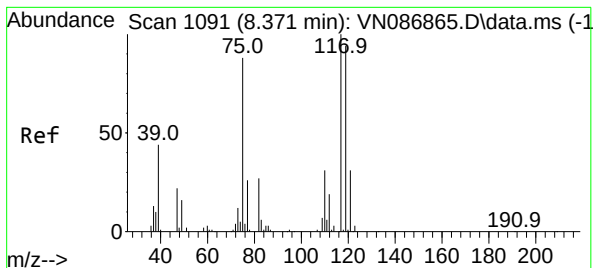
Tgt Ion:113 Resp: 157304
Ion Ratio Lower Upper
113 100
111 104.7 84.2 126.2
192 17.6 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.559 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN086962.D
Acq: 11 Jun 2025 20:17

Tgt Ion: 75 Resp: 21588
Ion Ratio Lower Upper
75 100
110 6.4 17.6 52.9#
77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 5.829 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN086962.D

Acq: 11 Jun 2025 20:17

Instrument :

MSVOA_N

ClientSampleId :

IBLK

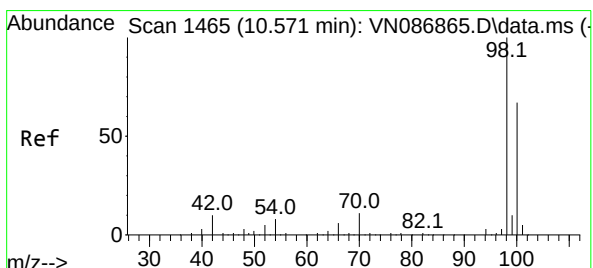
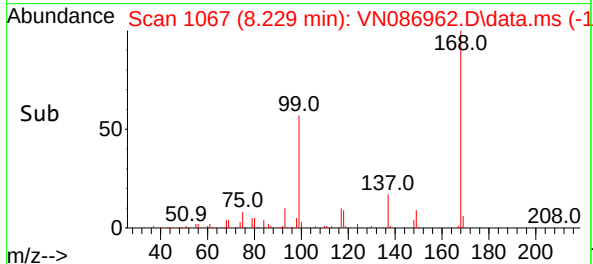
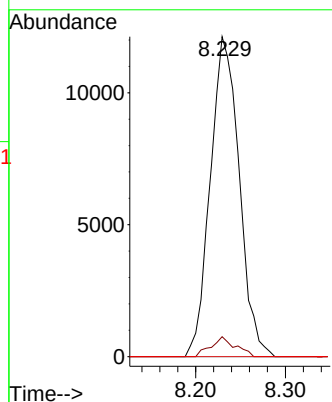
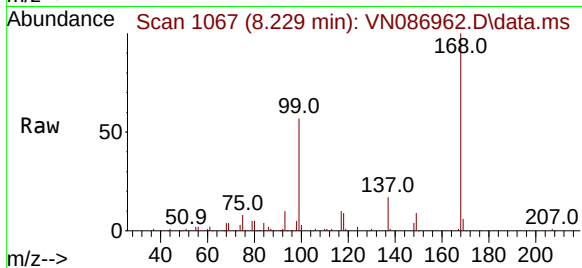
Tgt Ion:117 Resp: 27099

Ion Ratio Lower Upper

117 100

119 6.2 75.0 112.6#

121 0.0 24.9 37.3#



#50

Toluene-d8

Concen: 51.561 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN086962.D

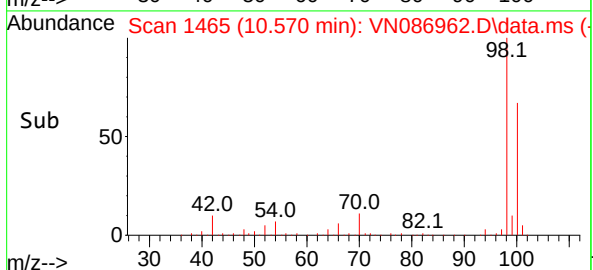
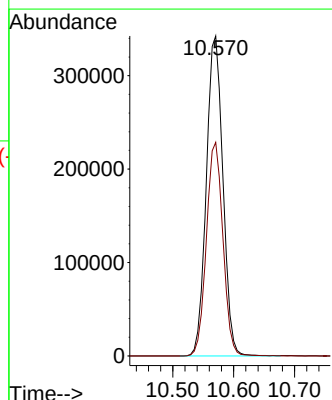
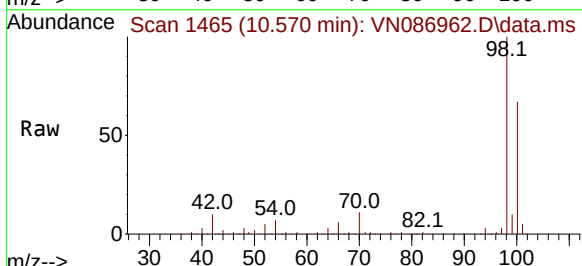
Acq: 11 Jun 2025 20:17

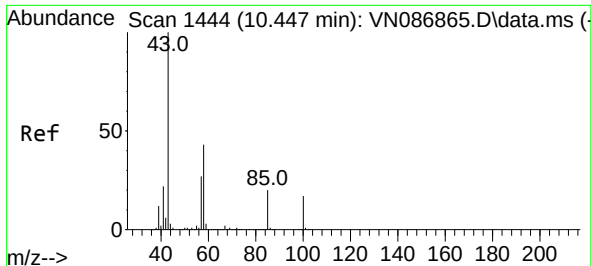
Tgt Ion: 98 Resp: 648681

Ion Ratio Lower Upper

98 100

100 66.4 53.4 80.0





#51

4-Methyl-2-Pentanone

Concen: 0.409 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.117 min

Lab File: VN086962.D

Acq: 11 Jun 2025 20:17

Instrument :

MSVOA_N

ClientSampleId :

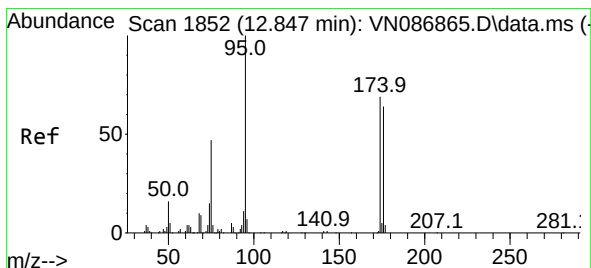
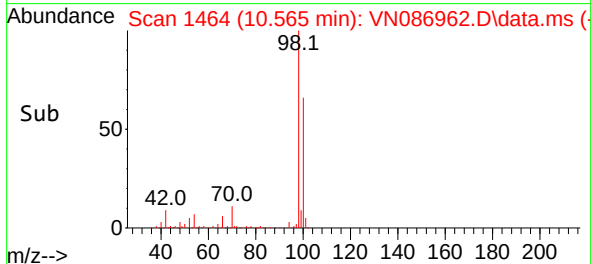
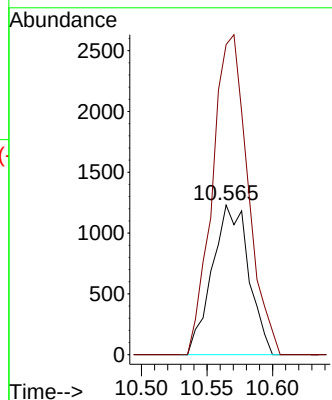
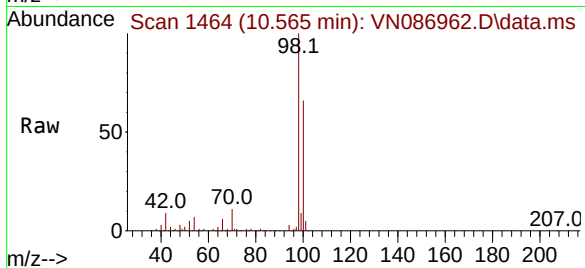
IBLK

Tgt Ion: 43 Resp: 2381

Ion Ratio Lower Upper

43 100

58 208.0 34.2 51.4#



#62

4-Bromofluorobenzene

Concen: 49.471 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN086962.D

Acq: 11 Jun 2025 20:17

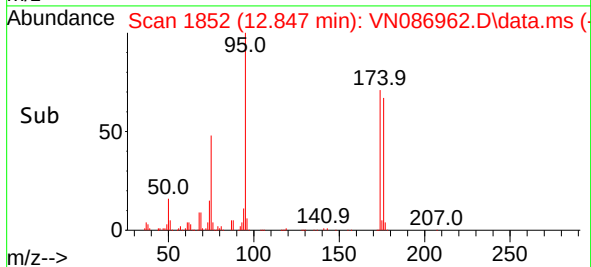
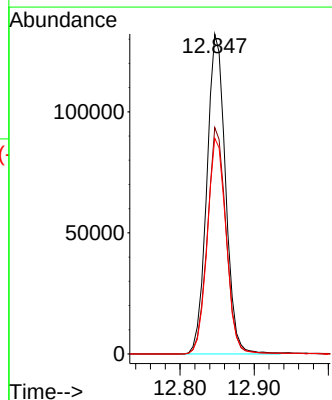
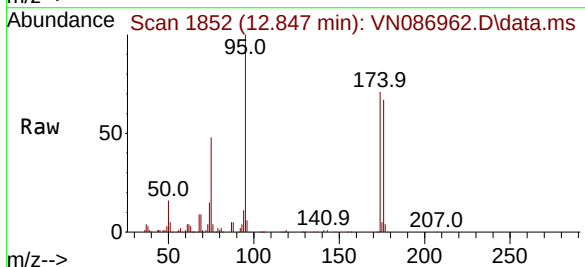
Tgt Ion: 95 Resp: 231233

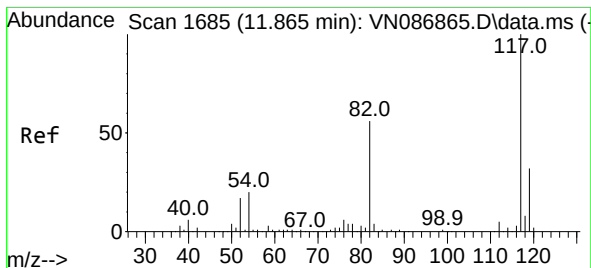
Ion Ratio Lower Upper

95 100

174 70.6 0.0 141.8

176 68.1 0.0 132.6

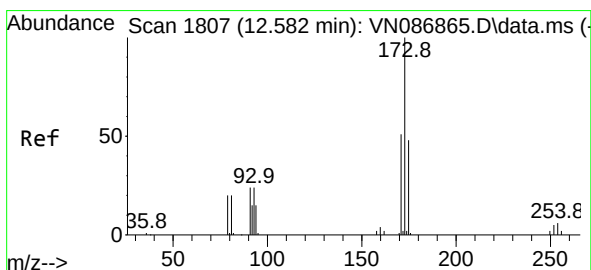
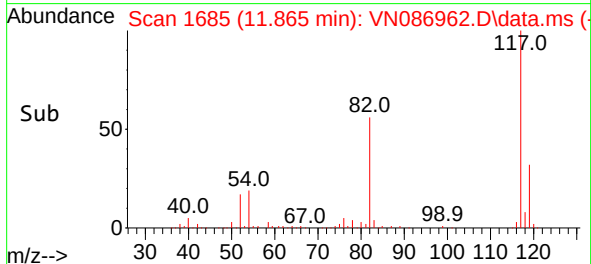
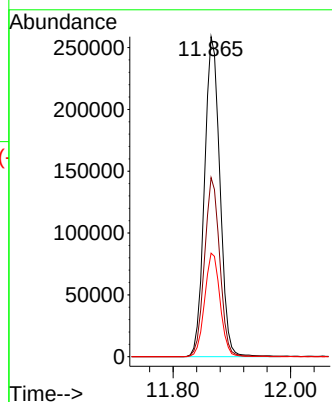
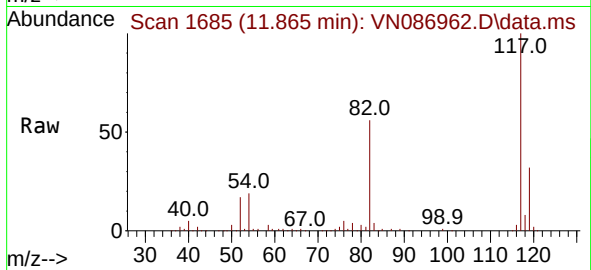




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086962.D
Acq: 11 Jun 2025 20:17

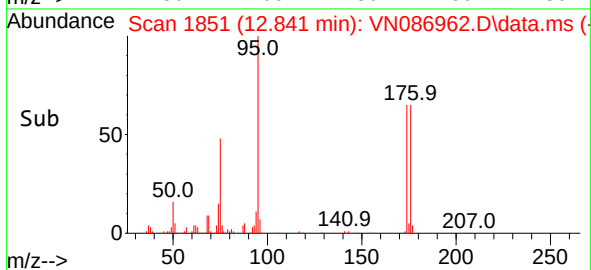
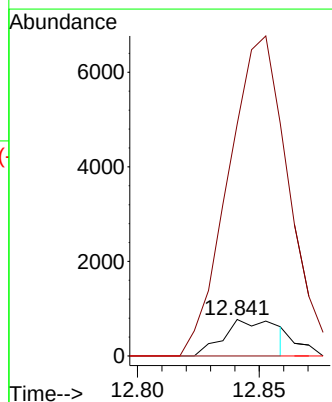
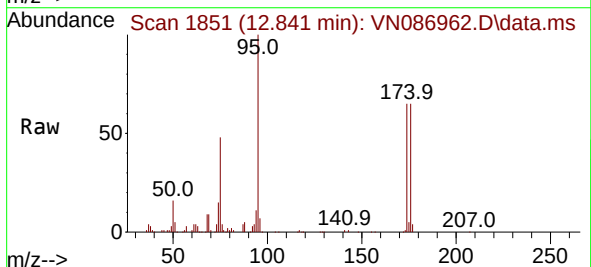
Instrument :
MSVOA_N
ClientSampleId :
IBLK

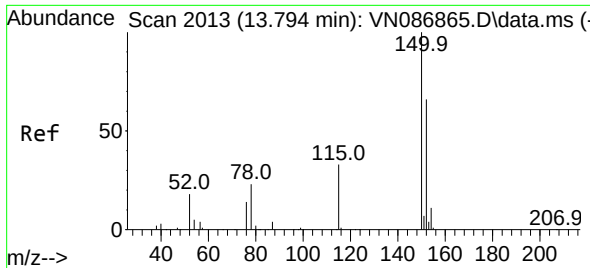
Tgt Ion:117 Resp: 470110
Ion Ratio Lower Upper
117 100
82 56.0 44.6 67.0
119 32.4 25.5 38.3



#71
Bromoform
Concen: 0.478 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.259 min
Lab File: VN086962.D
Acq: 11 Jun 2025 20:17

Tgt Ion:173 Resp: 1181
Ion Ratio Lower Upper
173 100
175 842.8 24.1 72.4#
254 0.0 0.0 0.0

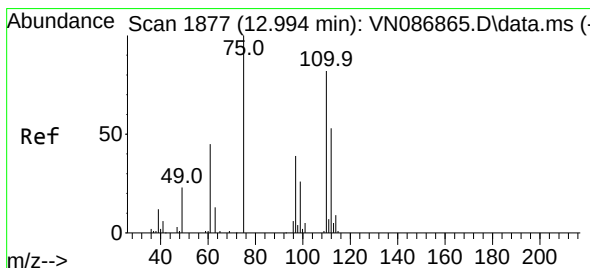
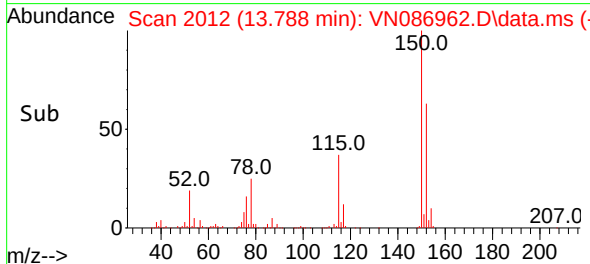
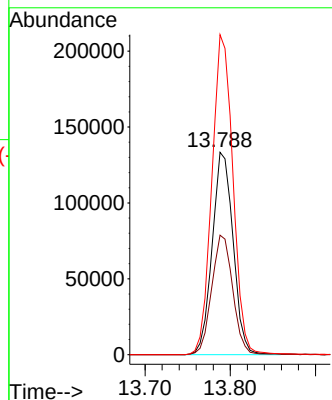
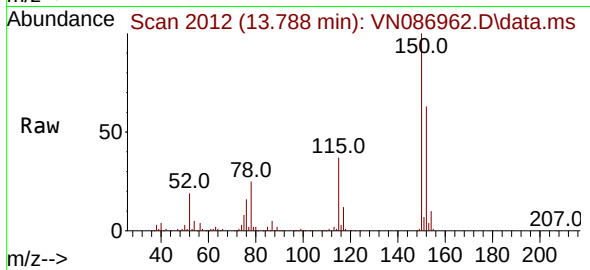




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN086962.D
 Acq: 11 Jun 2025 20:17

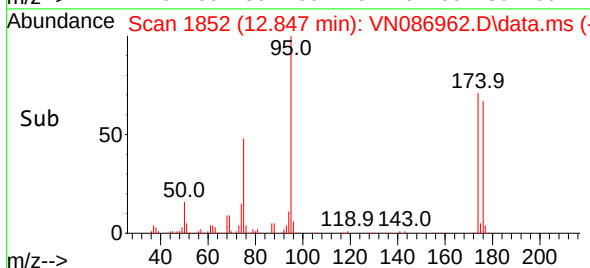
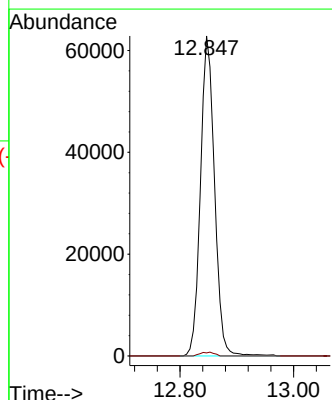
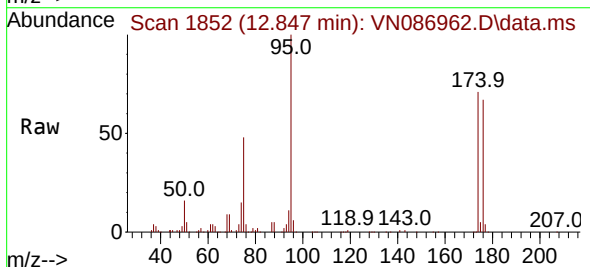
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

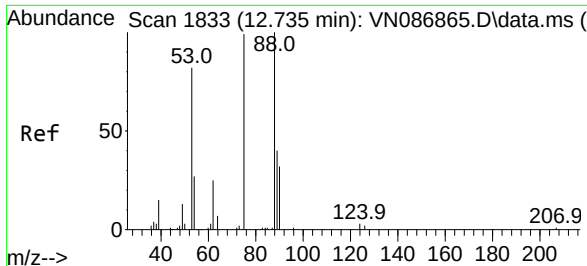
Tgt Ion:152 Resp: 227763
 Ion Ratio Lower Upper
 152 100
 115 59.6 30.1 90.5
 150 159.4 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 19.976 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN086962.D
 Acq: 11 Jun 2025 20:17

Tgt Ion: 75 Resp: 108151
 Ion Ratio Lower Upper
 75 100
 77 1.2 79.3 237.9#

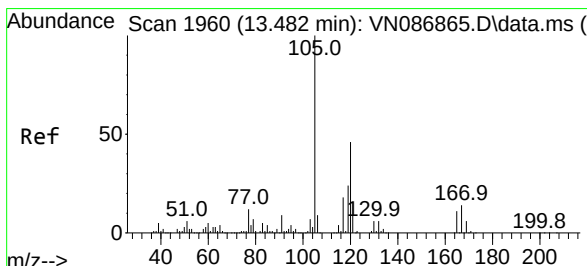
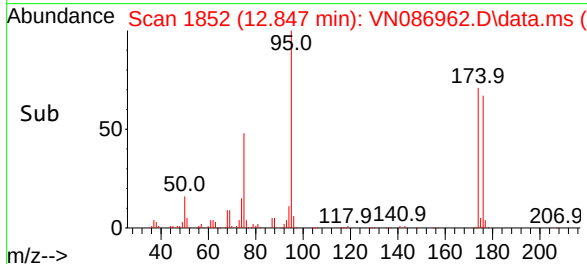
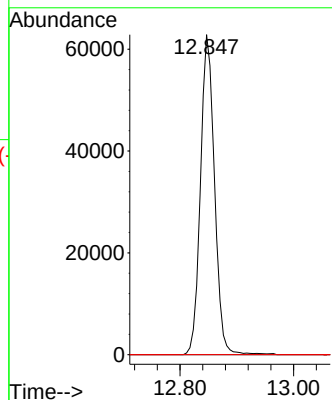
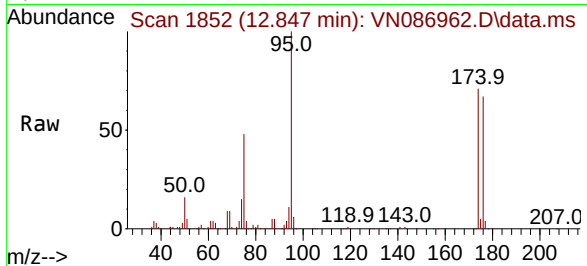




#81
trans-1,4-Dichloro-2-butene
Concen: 45.984 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.111 min
Lab File: VN086962.D
Acq: 11 Jun 2025 20:17

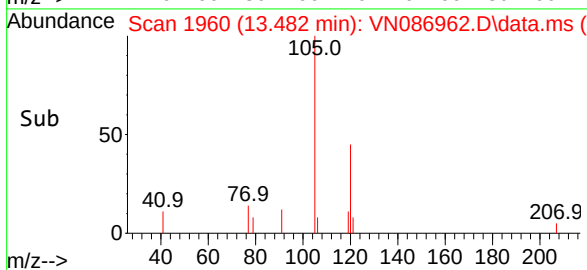
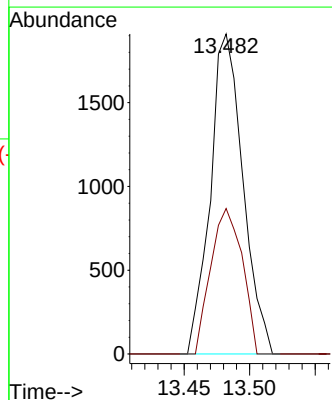
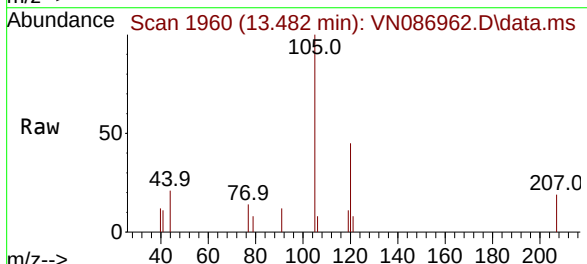
Instrument :
MSVOA_N
ClientSampleId :
IBLK

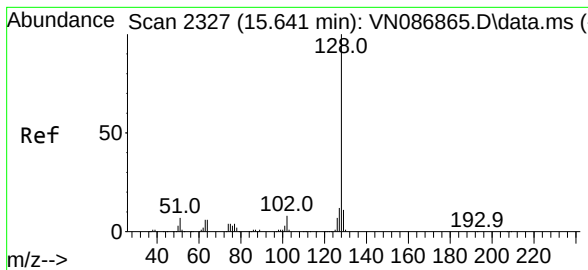
Tgt Ion: 75 Resp: 108151
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#



#84
1,2,4-Trimethylbenzene
Concen: 0.241 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086962.D
Acq: 11 Jun 2025 20:17

Tgt Ion: 105 Resp: 3309
Ion Ratio Lower Upper
105 100
120 43.8 23.2 69.6





#95
Naphthalene
Concen: 0.750 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086962.D
Acq: 11 Jun 2025 20:17

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:	128	Resp:	12827
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	9.9	8.8	13.2

