

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051425\
 Data File : VN086624.D
 Acq On : 14 May 2025 14:08
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: May 15 03:03:26 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)

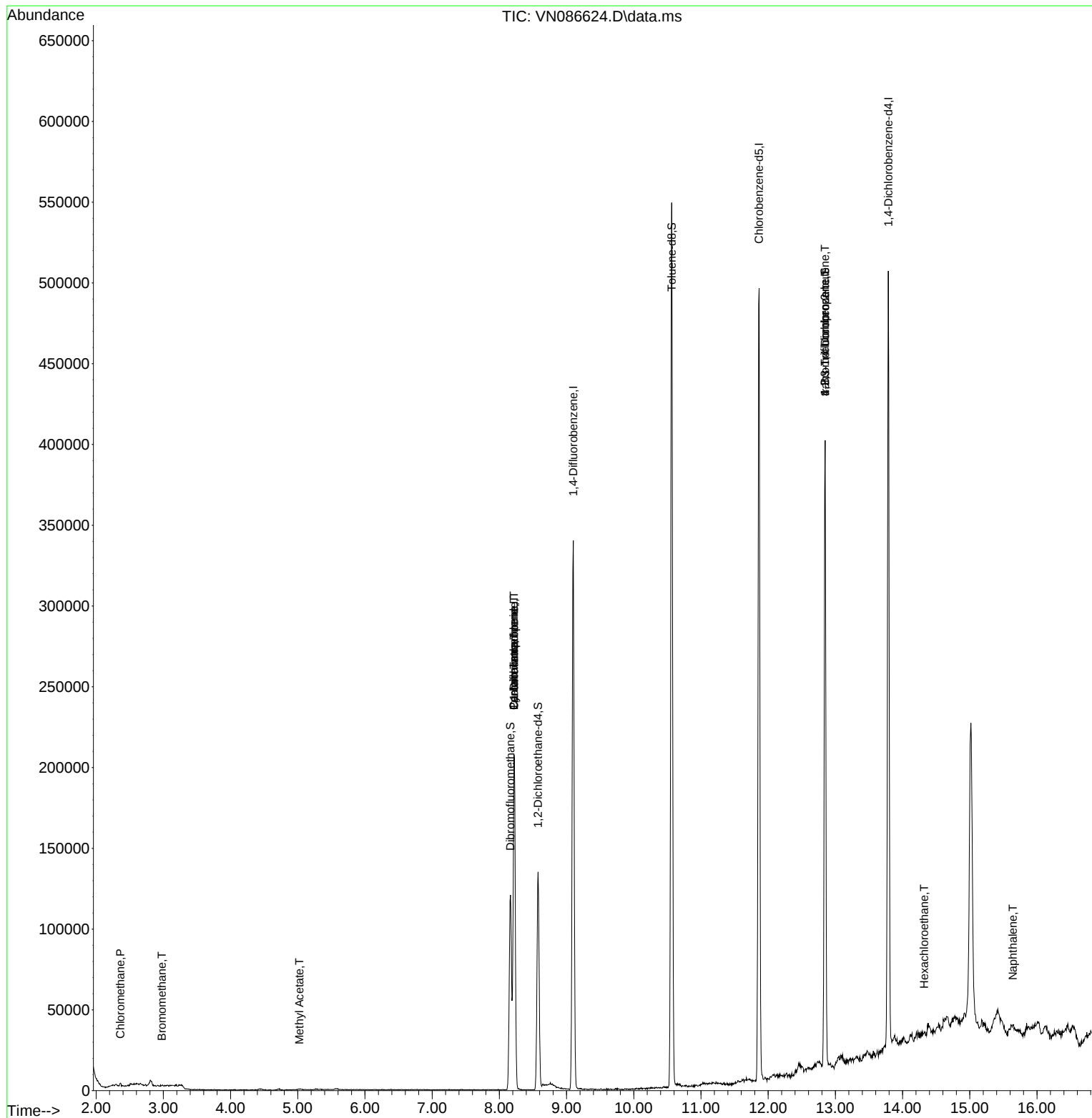
Internal Standards						
1) Pentafluorobenzene	8.218	168	155822	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	300163	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	292915	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130284	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	112634	49.848	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.700%			
35) Dibromofluoromethane	8.165	113	91728	65.845	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 131.680%#			
50) Toluene-d8	10.565	98	386477	51.908	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.820%			
62) 4-Bromofluorobenzene	12.847	95	140812	51.852	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.700%			
Target Compounds			Qvalue			
3) Chloromethane	2.359	50	1719	0.640	ug/l	92
5) Bromomethane	2.977	94	275	0.239	ug/l #	3
16) Acetone	4.436	43	1816	Below Cal		94
18) Methyl Acetate	5.024	43	600	0.221	ug/l #	51
31) Cyclohexane	8.218	56	3381	0.923	ug/l #	23
36) 1,1-Dichloropropene	8.218	75	13302	4.781	ug/l #	49
38) Carbon Tetrachloride	8.218	117	15832	5.975	ug/l #	17
43) Isopropyl Acetate	8.677	43	520	Below Cal	#	55
76) 1,2,3-Trichloropropane	12.847	75	72002	23.419	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	72002	56.244	ug/l #	10
90) Hexachloroethane	14.323	117	312	0.215	ug/l #	19
95) Naphthalene	15.641	128	1792	0.245	ug/l #	64

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

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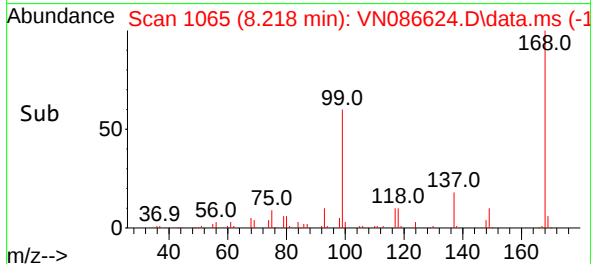
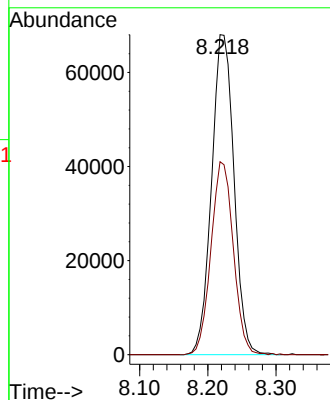
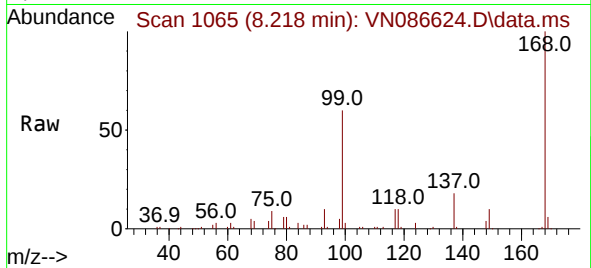




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN086624.D
Acq: 14 May 2025 14:08

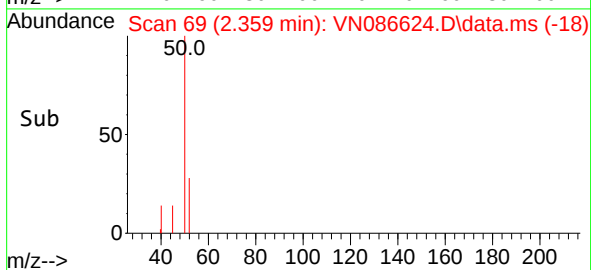
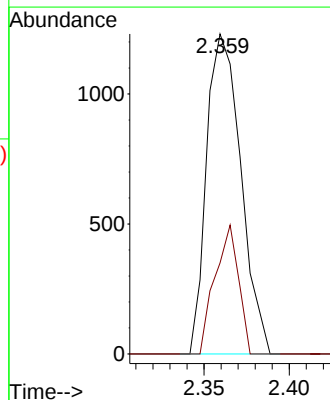
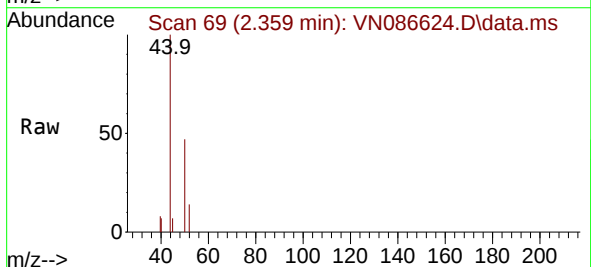
Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:168 Resp: 155822
Ion Ratio Lower Upper
168 100
99 60.3 52.5 78.7



#3
Chloromethane
Concen: 0.640 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086624.D
Acq: 14 May 2025 14:08

Tgt Ion: 50 Resp: 1719
Ion Ratio Lower Upper
50 100
52 28.4 26.5 39.7

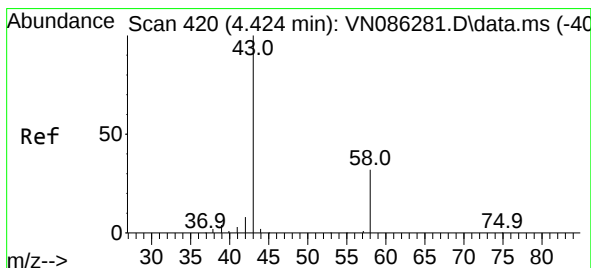
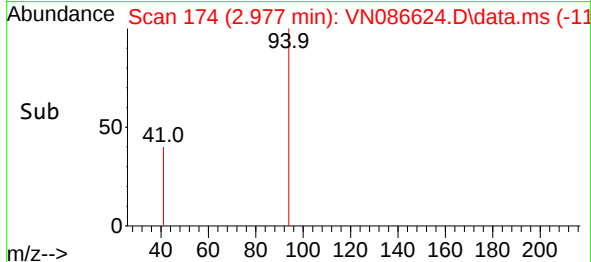
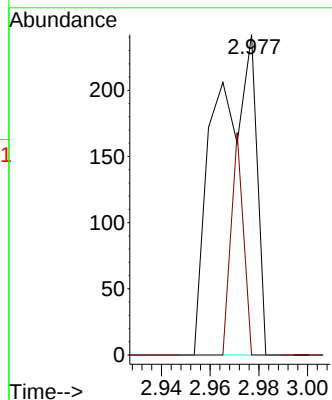
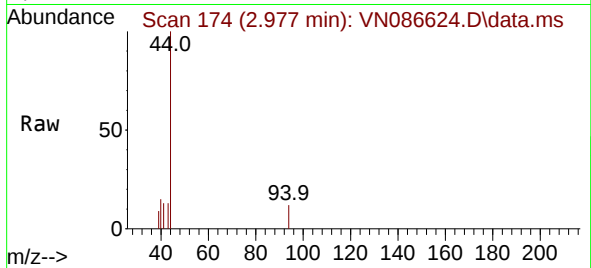




#5
Bromomethane
Concen: 0.239 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN086624.D
Acq: 14 May 2025 14:08

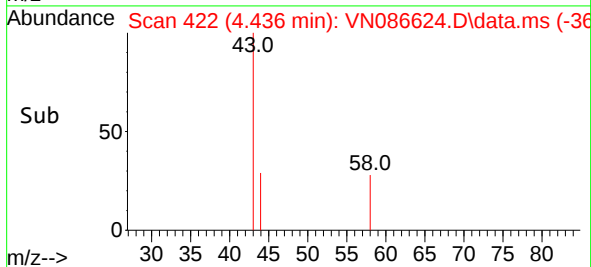
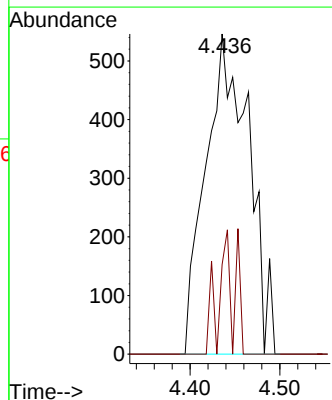
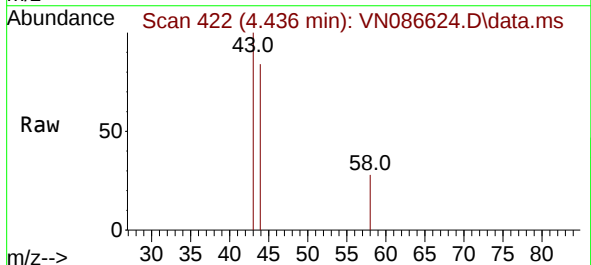
Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 94 Resp: 275
Ion Ratio Lower Upper
94 100
96 0.0 75.2 112.8#



#16
Acetone
Concen: Below Cal
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN086624.D
Acq: 14 May 2025 14:08

Tgt Ion: 43 Resp: 1816
Ion Ratio Lower Upper
43 100
58 28.0 25.3 37.9

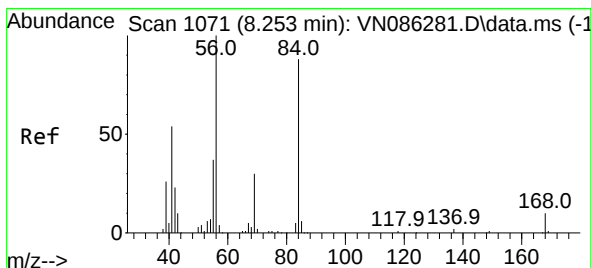
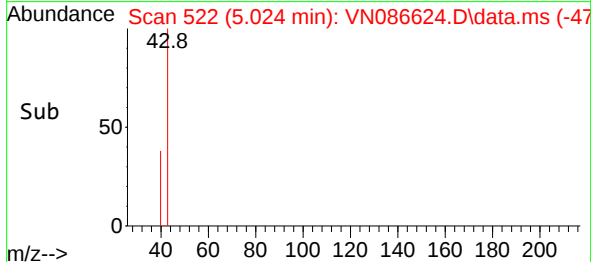
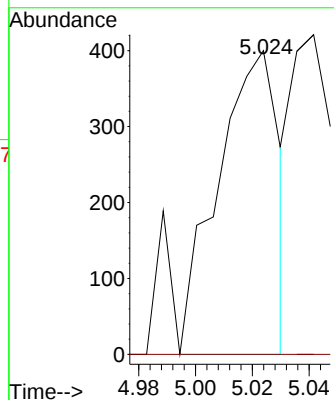
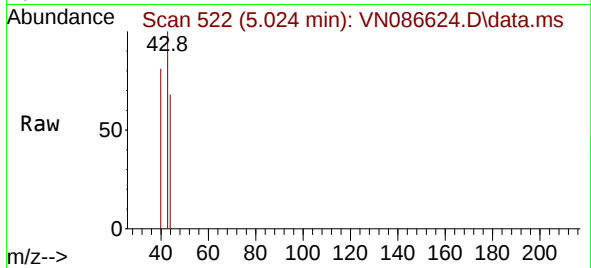




#18
Methyl Acetate
Concen: 0.221 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086624.D
Acq: 14 May 2025 14:08

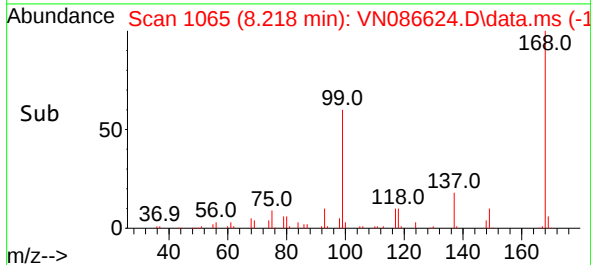
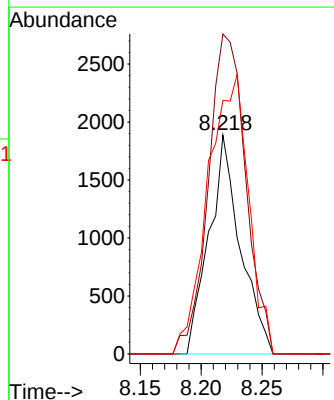
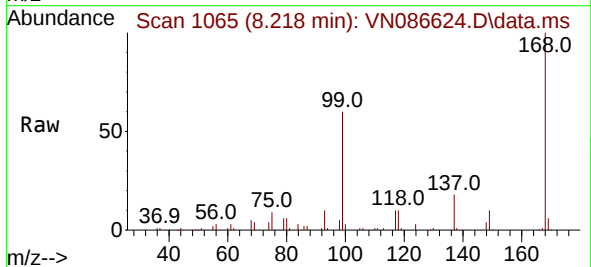
Instrument :
MSVOA_N
ClientSampleId :
IBLK

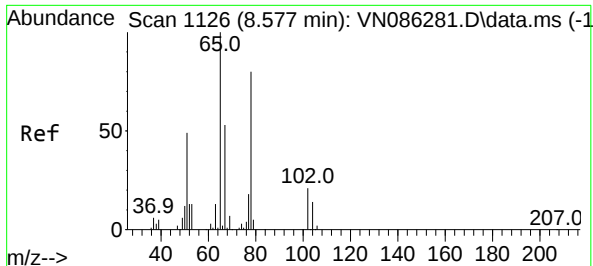
Tgt Ion: 43 Resp: 600
Ion Ratio Lower Upper
43 100
74 0.0 19.8 29.6#



#31
Cyclohexane
Concen: 0.923 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086624.D
Acq: 14 May 2025 14:08

Tgt Ion: 56 Resp: 3381
Ion Ratio Lower Upper
56 100
69 146.3 24.2 36.2#
84 115.9 70.3 105.5#





#33

1,2-Dichloroethane-d4

Concen: 49.848 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086624.D

Acq: 14 May 2025 14:08

Instrument :

MSVOA_N

ClientSampleId :

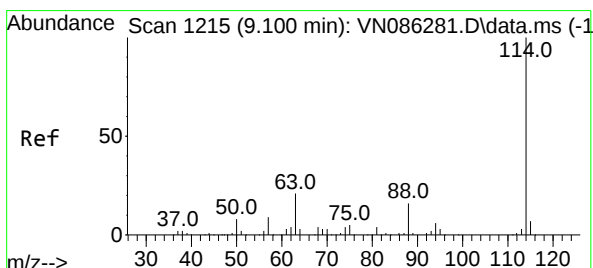
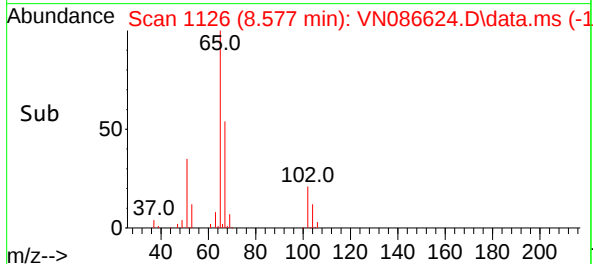
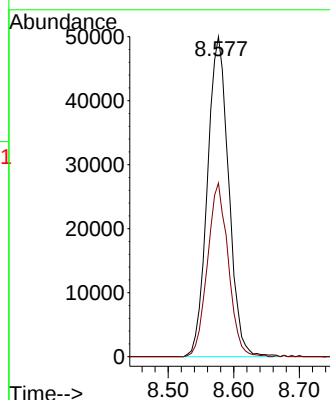
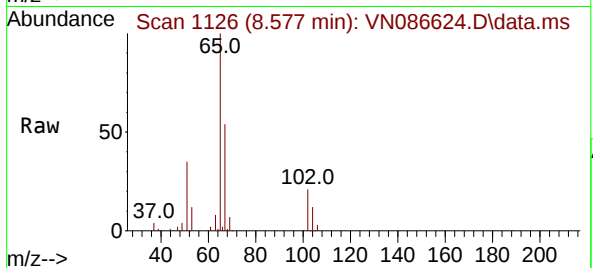
IBLK

Tgt Ion: 65 Resp: 112634

Ion Ratio Lower Upper

65 100

67 53.1 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086624.D

Acq: 14 May 2025 14:08

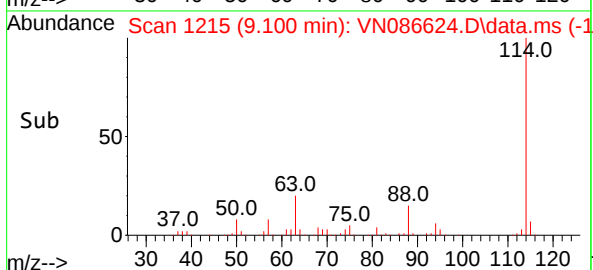
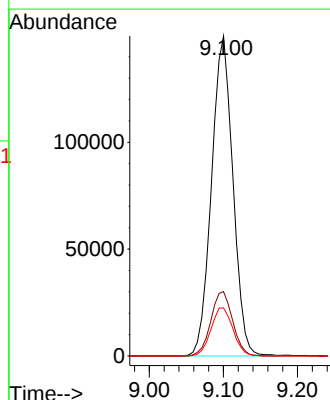
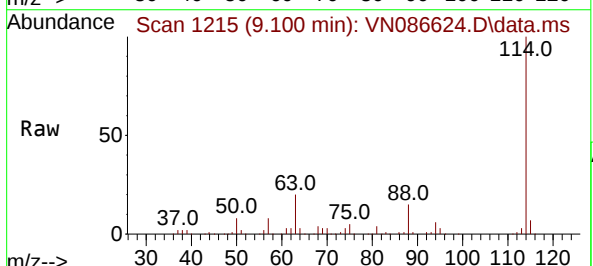
Tgt Ion: 114 Resp: 300163

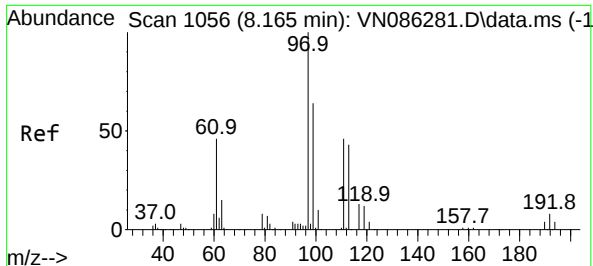
Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.6

88 15.0 0.0 31.8





#35

Dibromofluoromethane

Concen: 65.845 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086624.D

Acq: 14 May 2025 14:08

Instrument :

MSVOA_N

ClientSampleId :

IBLK

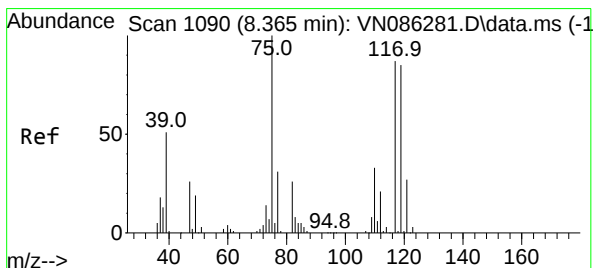
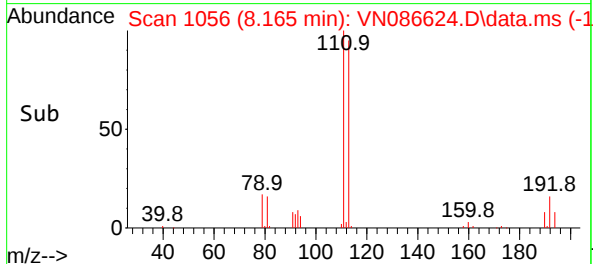
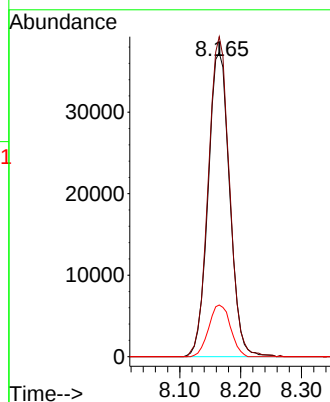
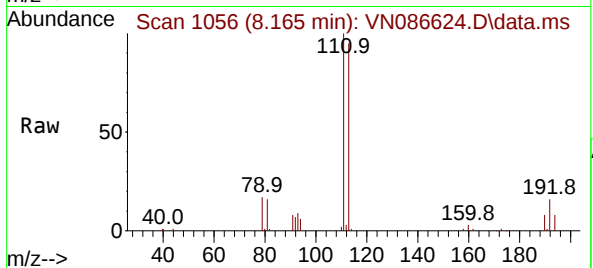
Tgt Ion:113 Resp: 91728

Ion Ratio Lower Upper

113 100

111 103.3 83.4 125.0

192 17.2 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.781 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086624.D

Acq: 14 May 2025 14:08

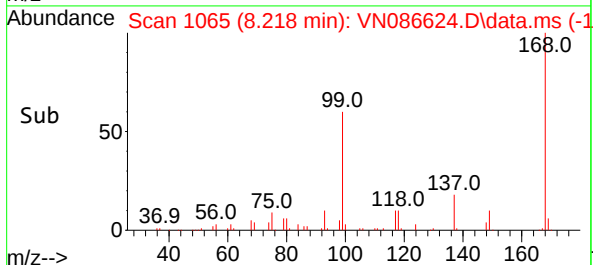
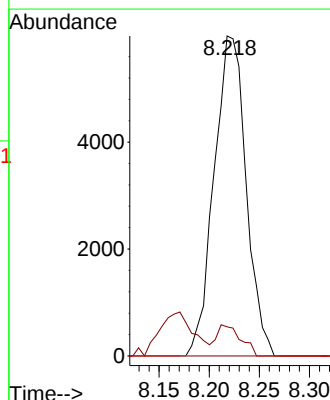
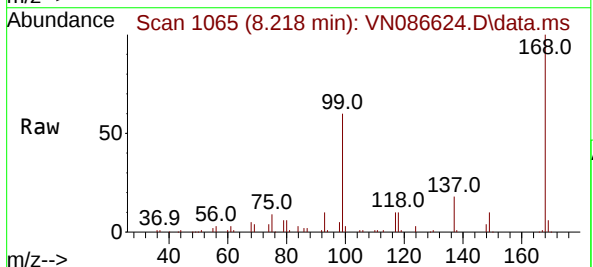
Tgt Ion: 75 Resp: 13302

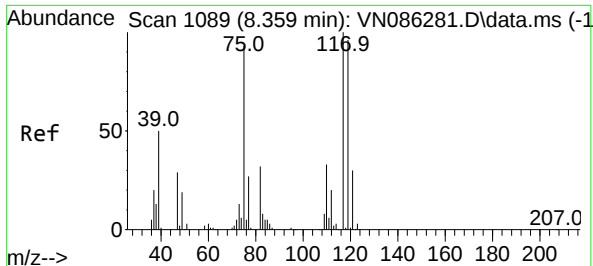
Ion Ratio Lower Upper

75 100

110 7.3 16.8 50.4#

77 0.0 24.9 37.3#

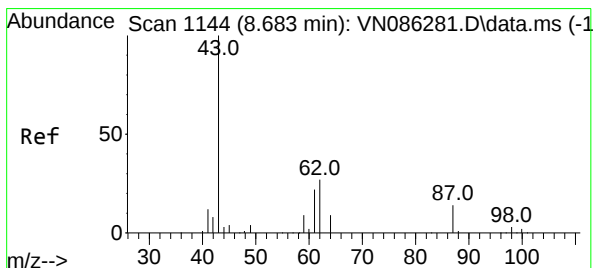
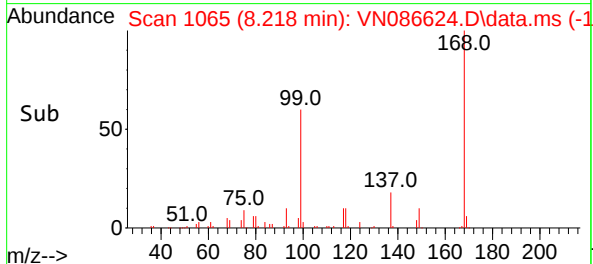
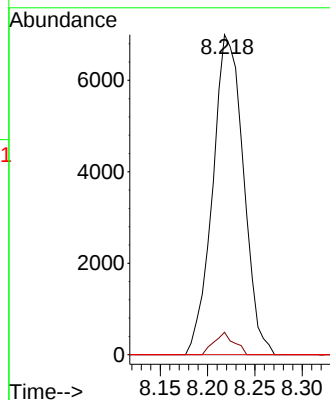
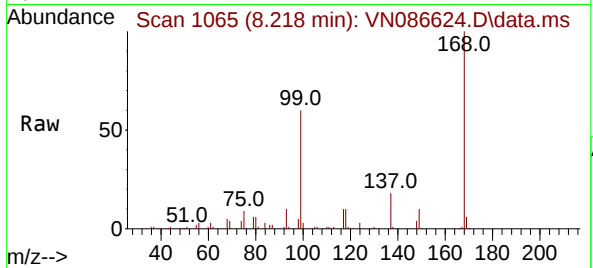




#38
Carbon Tetrachloride
Concen: 5.975 ug/l
RT: 8.218 min Scan# 110
Delta R.T. -0.141 min
Lab File: VN086624.D
Acq: 14 May 2025 14:08

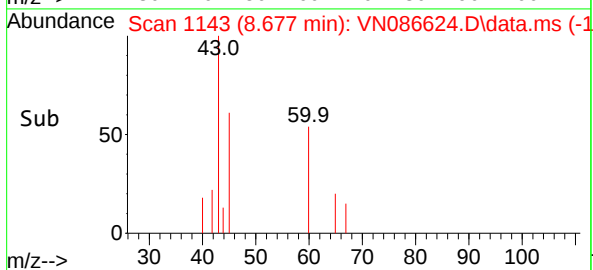
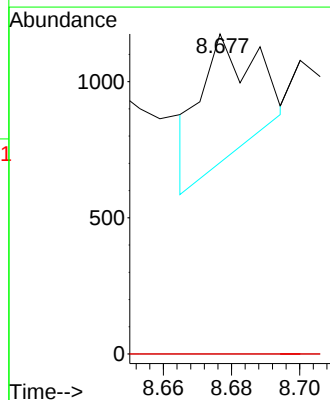
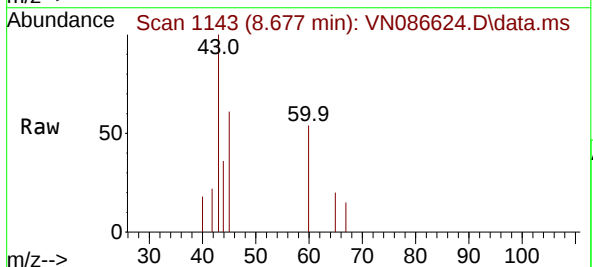
Instrument :
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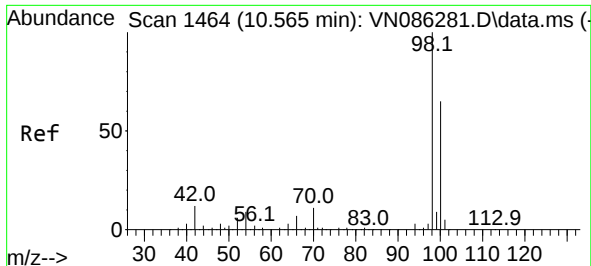
Tgt Ion:117 Resp: 15832
Ion Ratio Lower Upper
117 100
119 7.0 76.8 115.2#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.677 min Scan# 1143
Delta R.T. -0.006 min
Lab File: VN086624.D
Acq: 14 May 2025 14:08

Tgt Ion: 43 Resp: 520
Ion Ratio Lower Upper
43 100
61 0.0 20.5 30.7#
87 0.0 10.5 15.7#

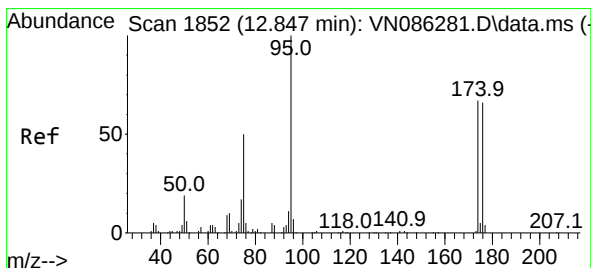
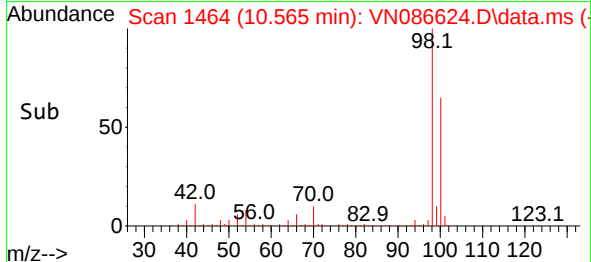
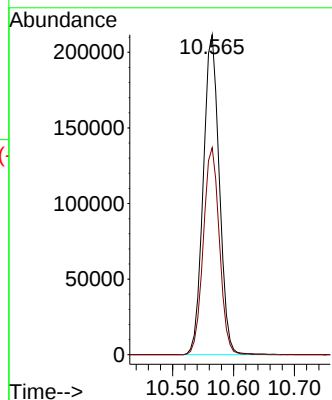
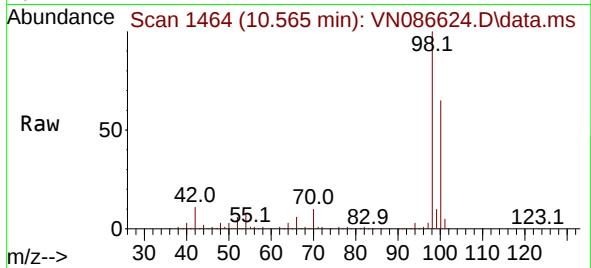




#50
Toluene-d8
Concen: 51.908 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086624.D
Acq: 14 May 2025 14:08

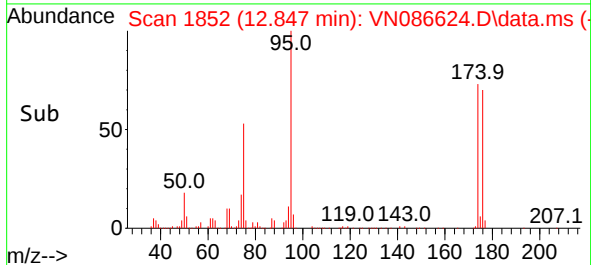
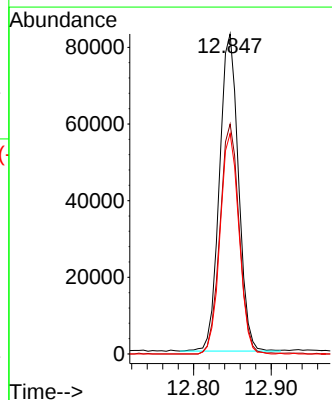
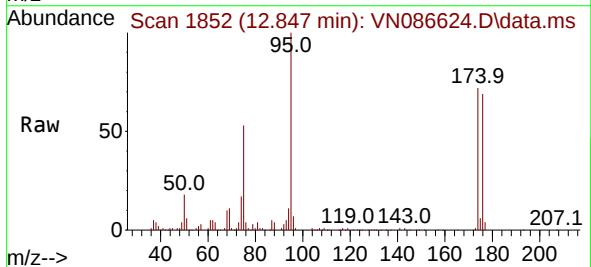
Instrument :
MSVOA_N
ClientSampleId :
IBLK

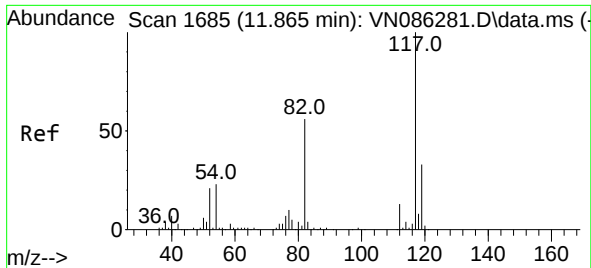
Tgt Ion: 98 Resp: 386477
Ion Ratio Lower Upper
98 100
100 64.9 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 51.852 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086624.D
Acq: 14 May 2025 14:08

Tgt Ion: 95 Resp: 140812
Ion Ratio Lower Upper
95 100
174 73.5 0.0 133.4
176 69.2 0.0 129.2

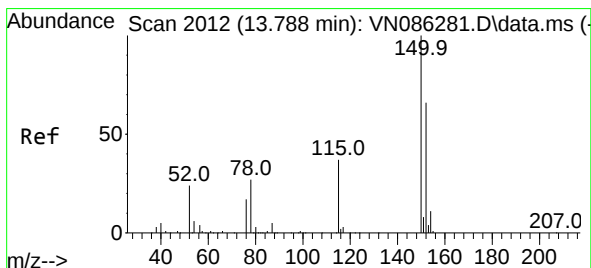
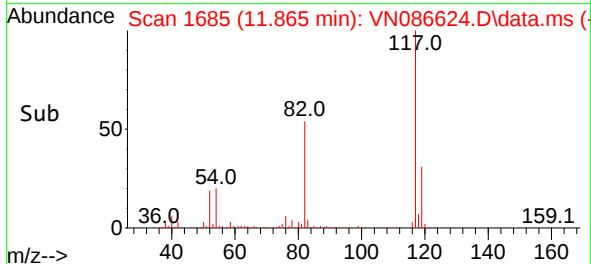
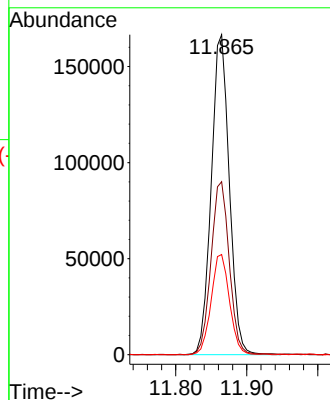
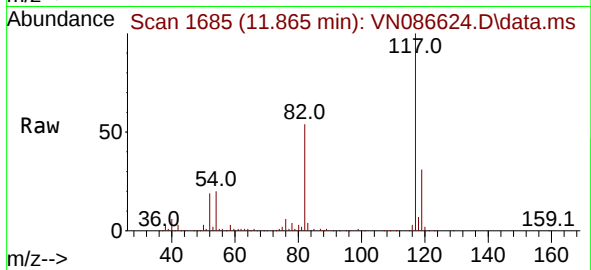




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086624.D
Acq: 14 May 2025 14:08

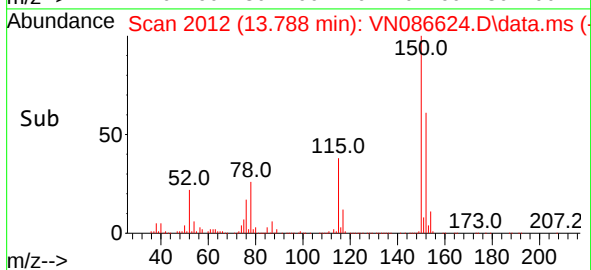
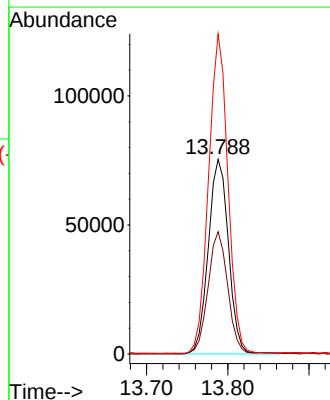
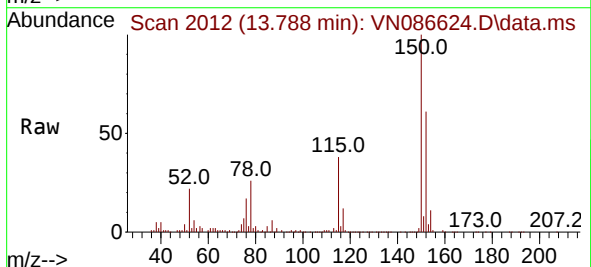
Instrument :
MSVOA_N
ClientSampleId :
IBLK

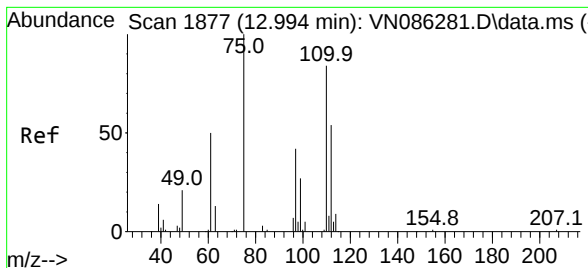
Tgt Ion:117 Resp: 292915
Ion Ratio Lower Upper
117 100
82 53.9 44.7 67.1
119 31.3 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086624.D
Acq: 14 May 2025 14:08

Tgt Ion:152 Resp: 130284
Ion Ratio Lower Upper
152 100
115 60.1 31.9 95.9
150 158.3 0.0 352.0





#76

1,2,3-Trichloropropane

Concen: 23.419 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN086624.D

Acq: 14 May 2025 14:08

Instrument :

MSVOA_N

ClientSampleId :

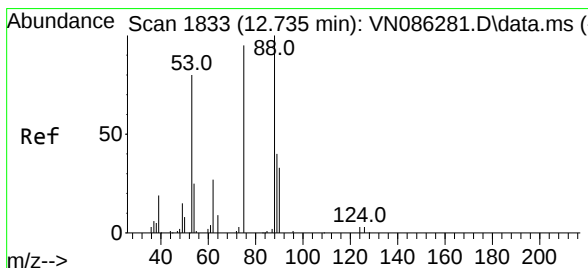
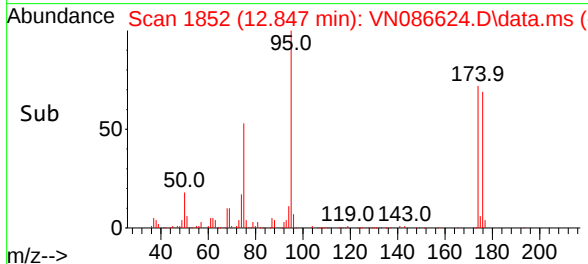
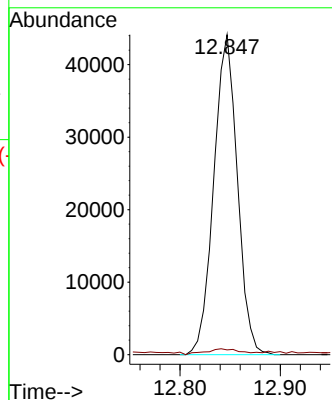
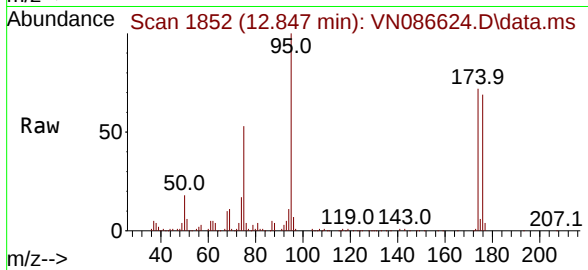
IBLK

Tgt Ion: 75 Resp: 72002

Ion Ratio Lower Upper

75 100

77 2.6 98.8 296.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 56.244 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN086624.D

Acq: 14 May 2025 14:08

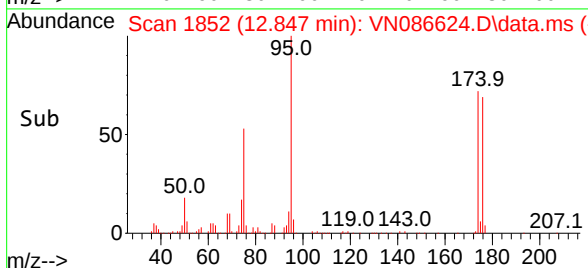
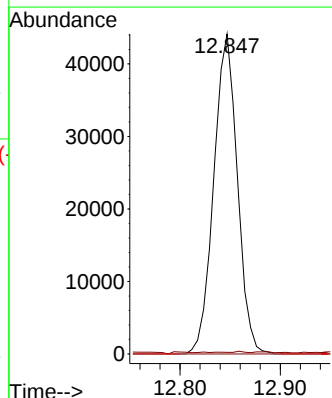
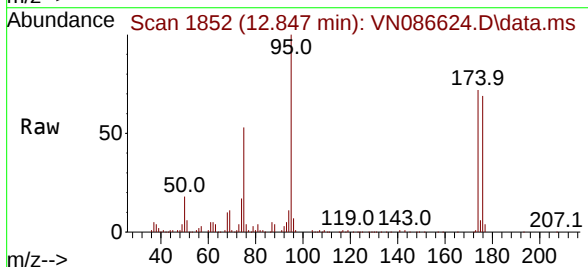
Tgt Ion: 75 Resp: 72002

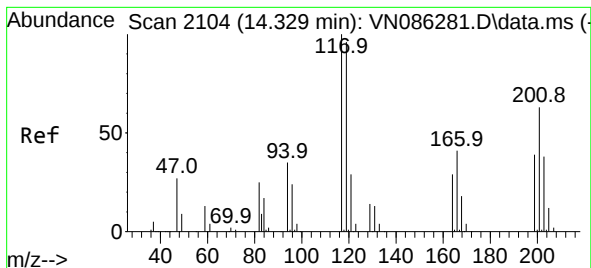
Ion Ratio Lower Upper

75 100

53 0.3 79.2 118.8#

89 0.0 35.7 53.5#





#90

Hexachloroethane

Concen: 0.215 ug/l

RT: 14.323 min Scan# 2104

Delta R.T. -0.006 min

Lab File: VN086624.D

Acq: 14 May 2025 14:08

Instrument :

MSVOA_N

ClientSampleId :

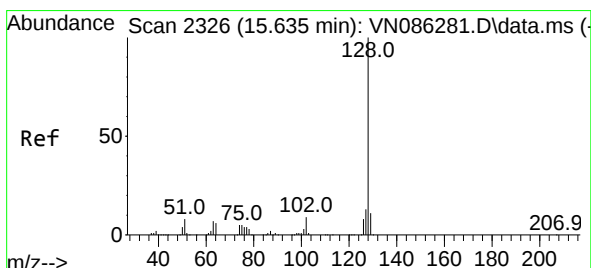
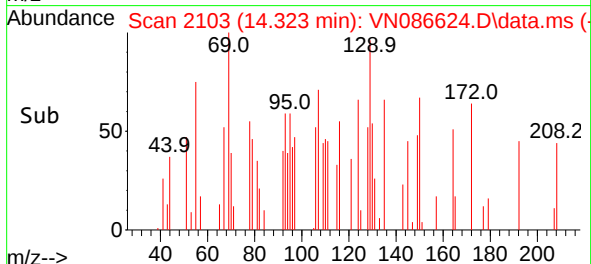
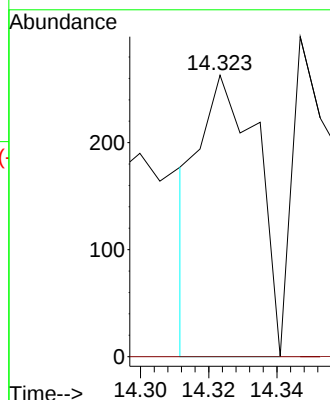
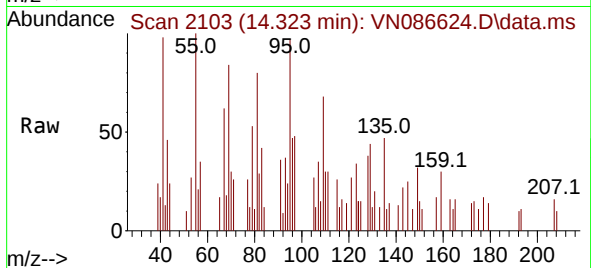
IBLK

Tgt Ion:117 Resp: 312

Ion Ratio Lower Upper

117 100

201 0.0 31.4 94.2#



#95

Naphthalene

Concen: 0.245 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.006 min

Lab File: VN086624.D

Acq: 14 May 2025 14:08

Tgt Ion:128 Resp: 1792

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 25.8 8.6 13.0#

