

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
 Data File : VN086072.D
 Acq On : 24 Mar 2025 15:12
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Mar 25 01:24:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

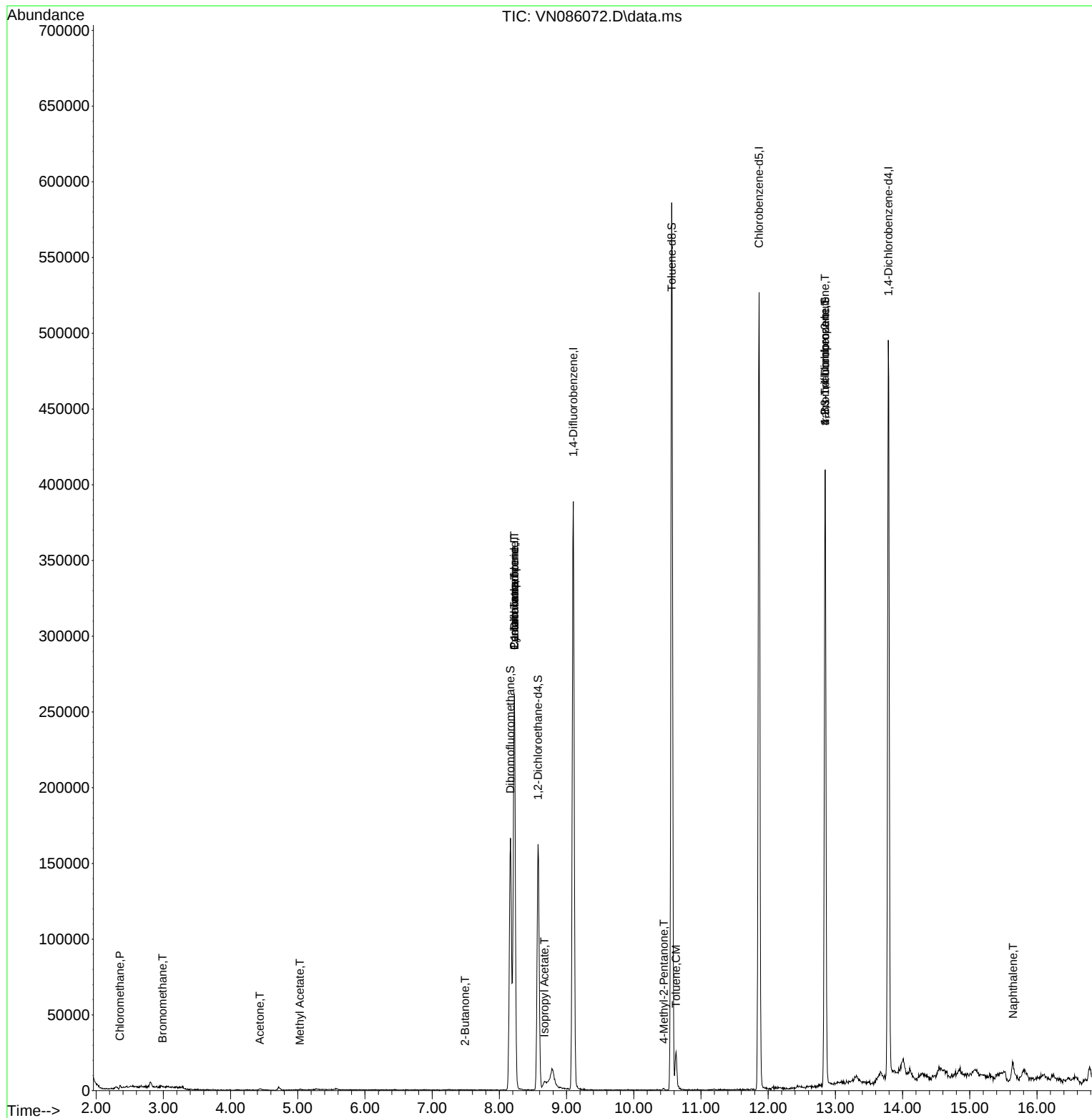
Internal Standards						
1) Pentafluorobenzene	8.224	168	190367	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	346741	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	316044	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	142900	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	135242	51.881	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.760%			
35) Dibromofluoromethane	8.165	113	118367	48.908	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.820%			
50) Toluene-d8	10.565	98	415345	47.286	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.580%			
62) 4-Bromofluorobenzene	12.847	95	148289	47.339	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.680%			
Target Compounds						Qvalue
3) Chloromethane	2.354	50	1823	0.825	ug/l	97
5) Bromomethane	2.989	94	546	0.355	ug/l	81
16) Acetone	4.436	43	1578	1.981	ug/l #	86
18) Methyl Acetate	5.030	43	625	0.317	ug/l #	45
25) 2-Butanone	7.489	43	241	0.210	ug/l #	40
31) Cyclohexane	8.224	56	3726	1.147	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14198	4.455	ug/l #	49
38) Carbon Tetrachloride	8.224	117	19642	4.688	ug/l #	17
43) Isopropyl Acetate	8.671	43	4287	0.736	ug/l #	50
51) 4-Methyl-2-Pentanone	10.447	43	1032	0.402	ug/l #	65
52) Toluene	10.630	92	11262	1.834	ug/l	98
76) 1,2,3-Trichloropropane	12.847	75	73986	23.126	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73986	61.141	ug/l #	16
95) Naphthalene	15.647	128	7792	1.098	ug/l #	77

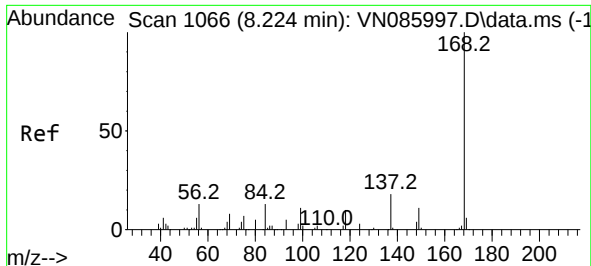
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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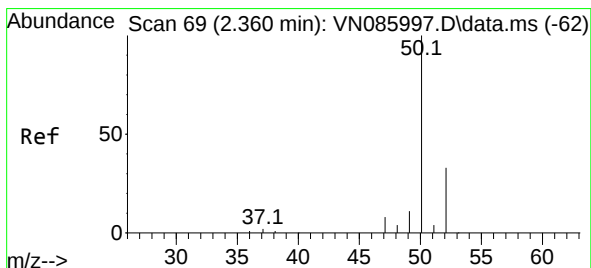
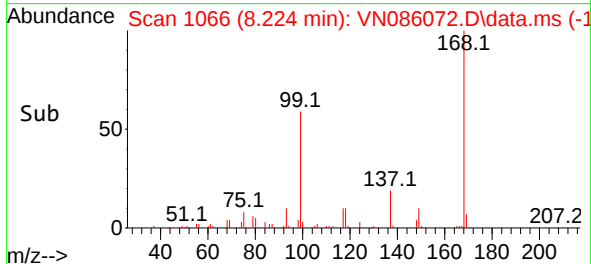
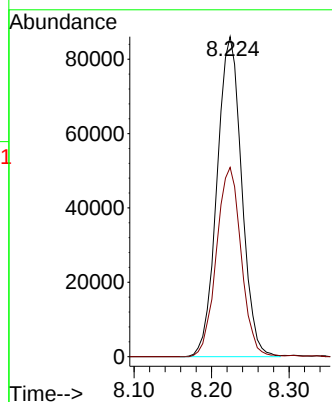
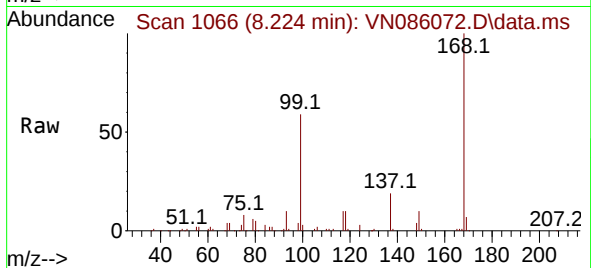




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086072.D
Acq: 24 Mar 2025 15:12

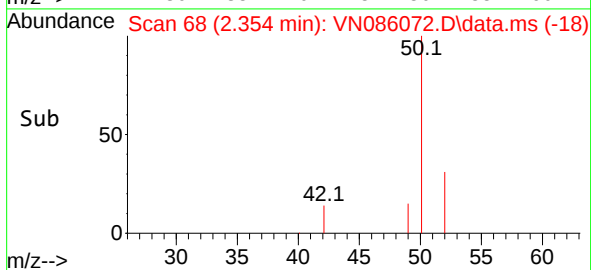
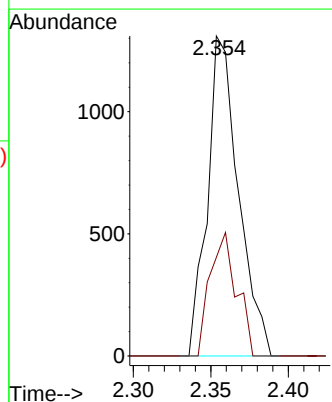
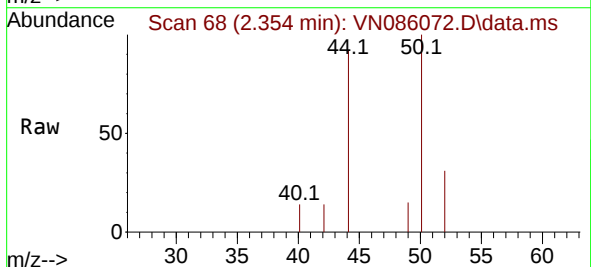
Instrument :
MSVOA_N
ClientSampleId :
IBLK

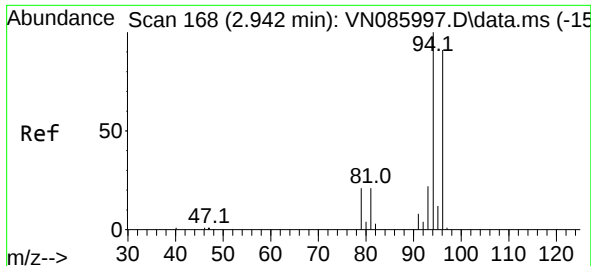
Tgt Ion:168 Resp: 190367
Ion Ratio Lower Upper
168 100
99 59.2 49.4 74.2



#3
Chloromethane
Concen: 0.825 ug/l
RT: 2.354 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN086072.D
Acq: 24 Mar 2025 15:12

Tgt Ion: 50 Resp: 1823
Ion Ratio Lower Upper
50 100
52 30.8 26.0 39.0

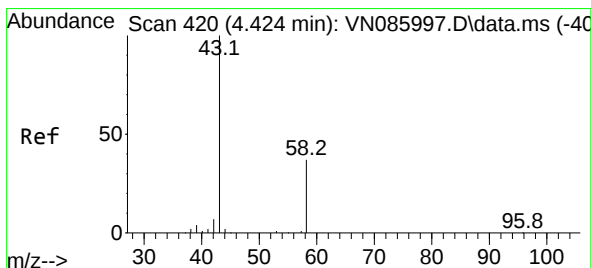
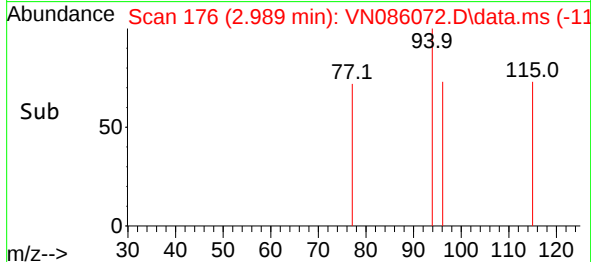
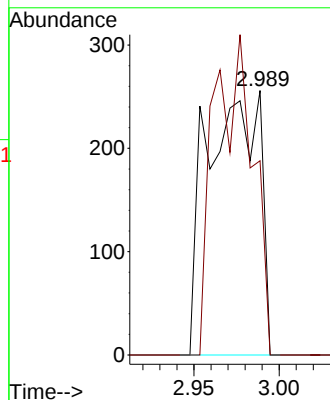
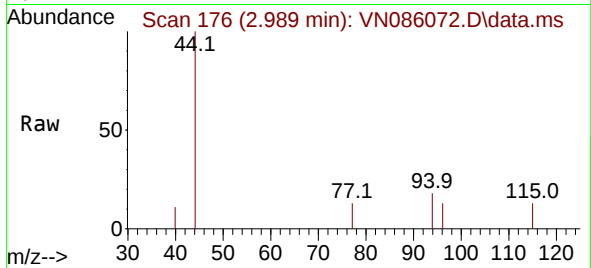




#5
Bromomethane
Concen: 0.355 ug/l
RT: 2.989 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN086072.D
Acq: 24 Mar 2025 15:12

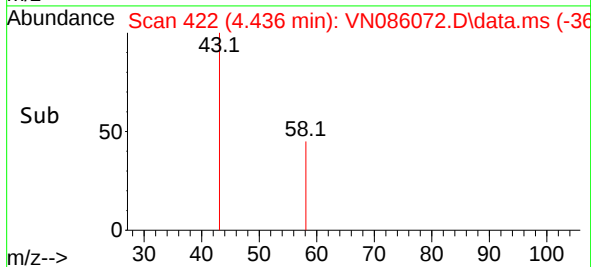
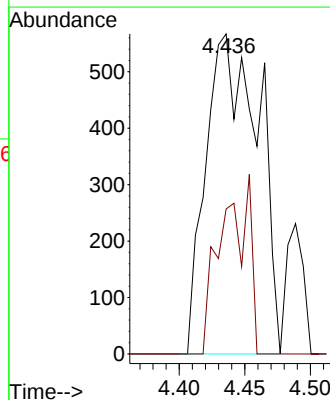
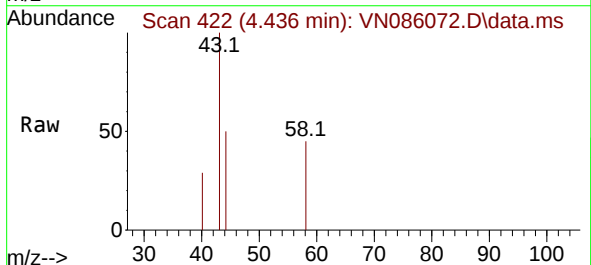
Instrument :
MSVOA_N
ClientSampleId :
IBLK

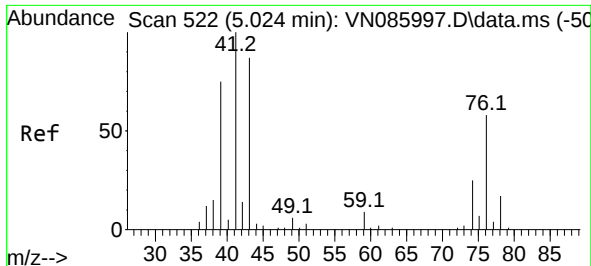
Tgt Ion: 94 Resp: 546
Ion Ratio Lower Upper
94 100
96 73.4 72.8 109.2



#16
Acetone
Concen: 1.981 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN086072.D
Acq: 24 Mar 2025 15:12

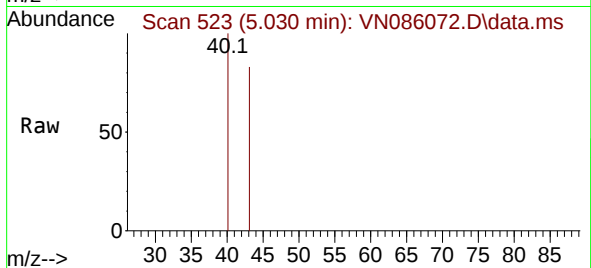
Tgt Ion: 43 Resp: 1578
Ion Ratio Lower Upper
43 100
58 45.3 29.4 44.2#



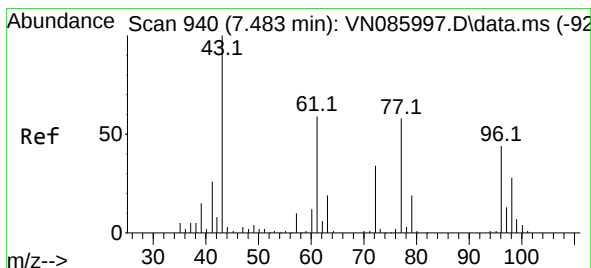
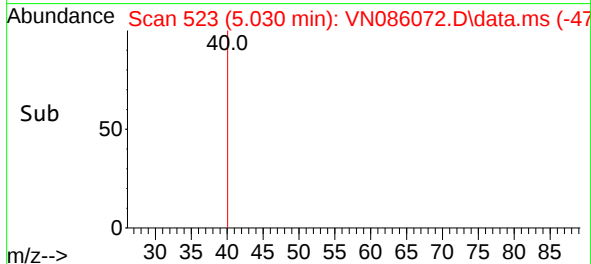
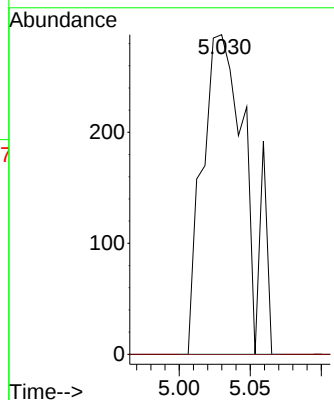


#18
Methyl Acetate
Concen: 0.317 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086072.D
Acq: 24 Mar 2025 15:12

Instrument :
MSVOA_N
ClientSampleId :
IBLK

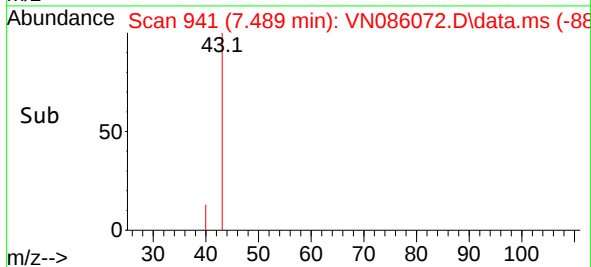
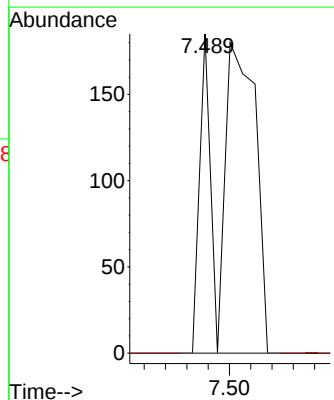
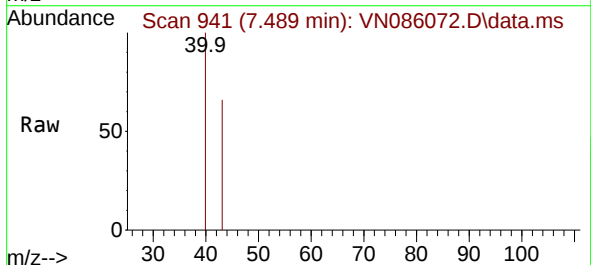


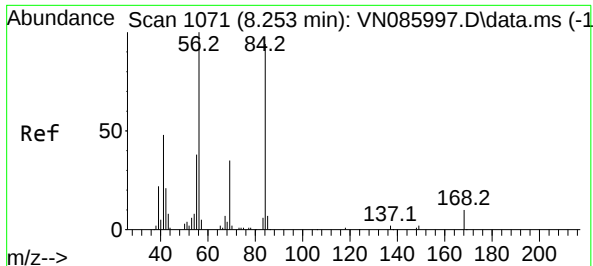
Tgt Ion: 43 Resp: 625
Ion Ratio Lower Upper
43 100
74 0.0 23.9 35.9#



#25
2-Butanone
Concen: 0.210 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN086072.D
Acq: 24 Mar 2025 15:12

Tgt Ion: 43 Resp: 241
Ion Ratio Lower Upper
43 100
72 0.0 27.4 41.0#

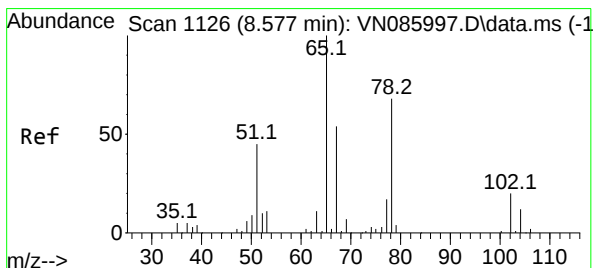
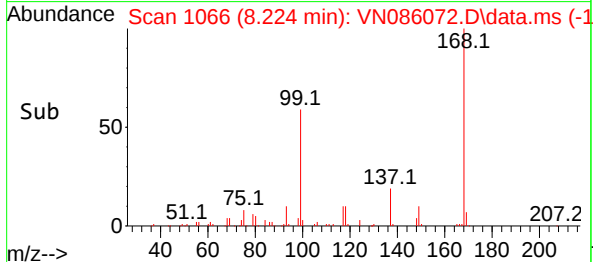
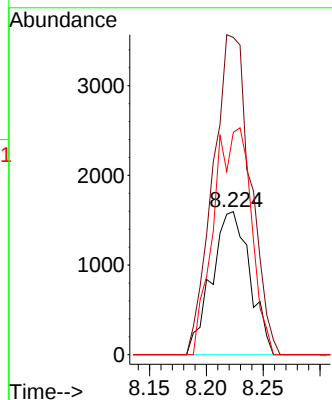
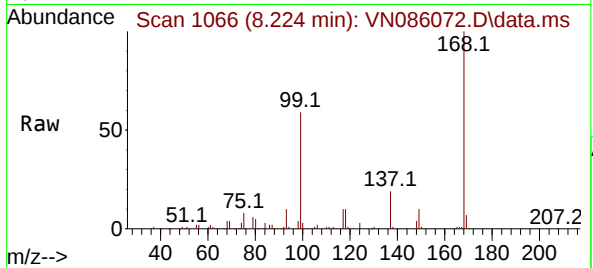




#31
Cyclohexane
Concen: 1.147 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN086072.D
Acq: 24 Mar 2025 15:12

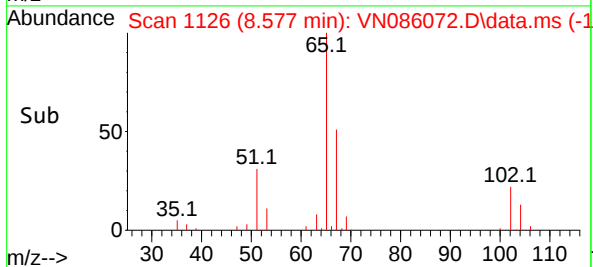
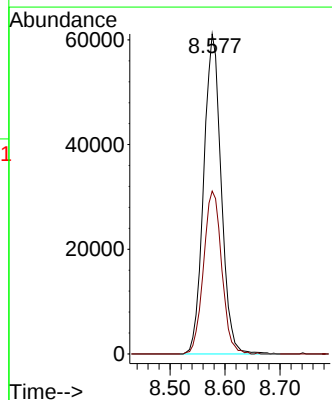
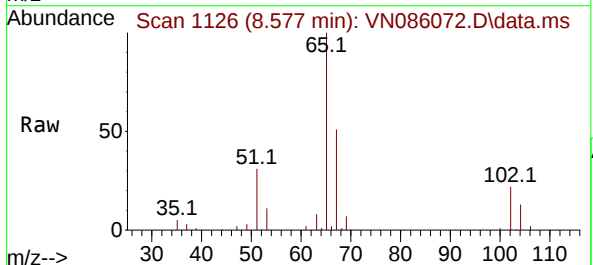
Instrument :
MSVOA_N
ClientSampleId :
IBLK

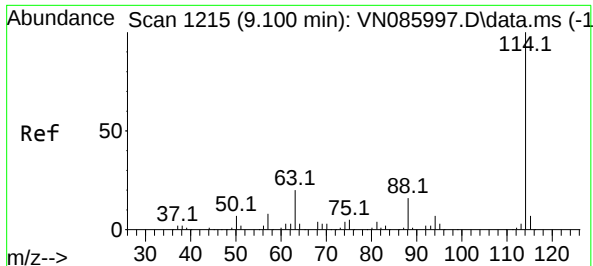
Tgt Ion: 56 Resp: 3726
Ion Ratio Lower Upper
56 100
69 221.8 28.0 42.0#
84 155.5 75.0 112.6#



#33
1,2-Dichloroethane-d4
Concen: 51.881 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086072.D
Acq: 24 Mar 2025 15:12

Tgt Ion: 65 Resp: 135242
Ion Ratio Lower Upper
65 100
67 52.8 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086072.D

Acq: 24 Mar 2025 15:12

Instrument :

MSVOA_N

ClientSampleId :

IBLK

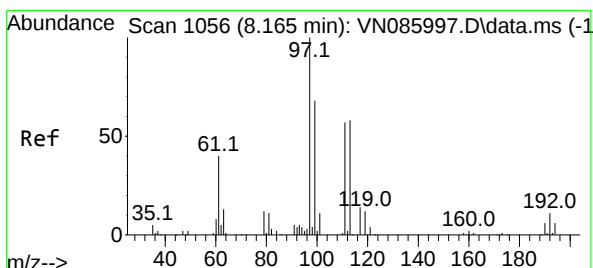
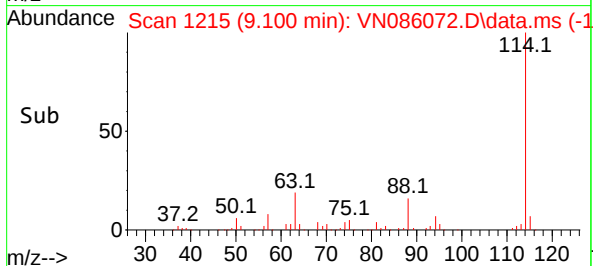
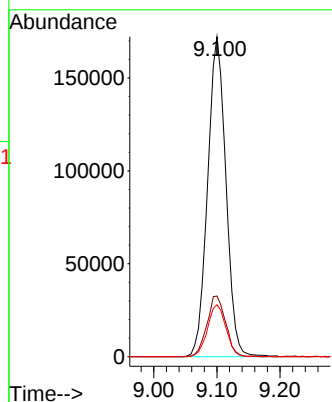
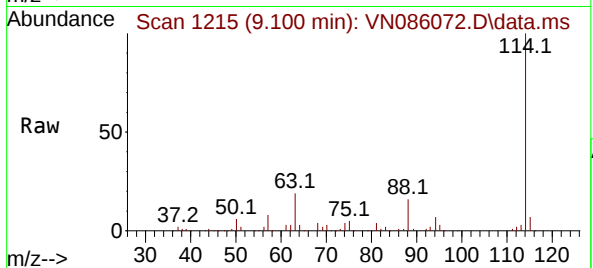
Tgt Ion:114 Resp: 346741

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.6

88 16.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.908 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086072.D

Acq: 24 Mar 2025 15:12

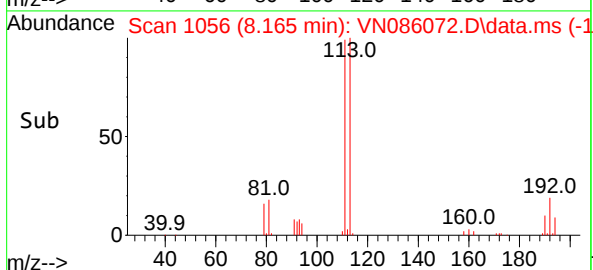
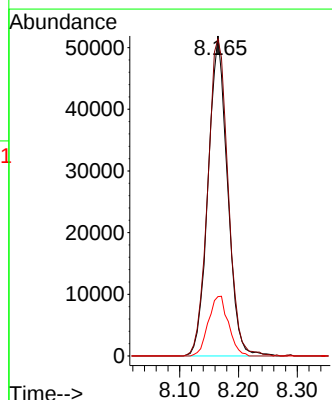
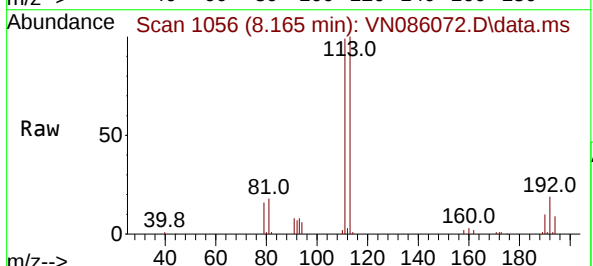
Tgt Ion:113 Resp: 118367

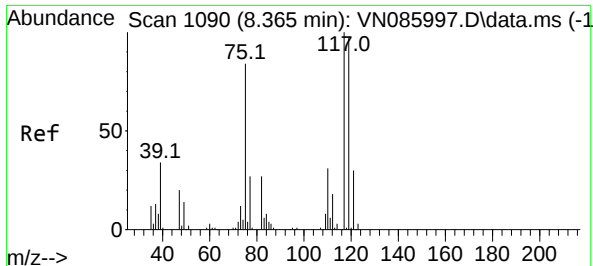
Ion Ratio Lower Upper

113 100

111 104.3 81.8 122.8

192 19.3 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.455 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086072.D

Acq: 24 Mar 2025 15:12

Instrument :

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ClientSampleId :

IBLK

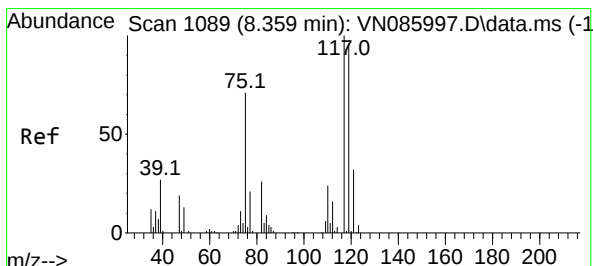
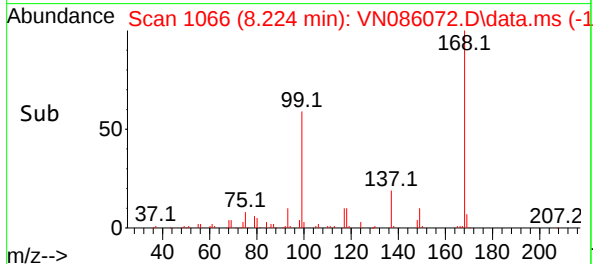
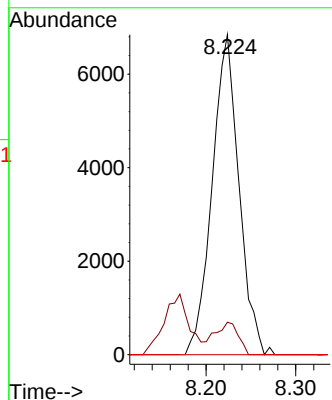
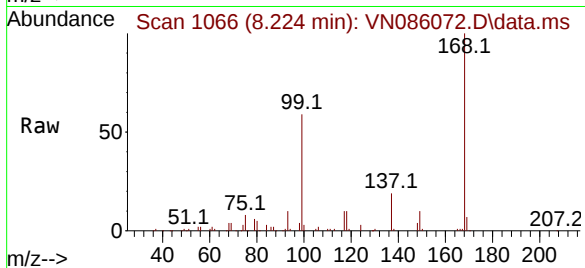
Tgt Ion: 75 Resp: 14198

Ion Ratio Lower Upper

75 100

110 8.6 17.8 53.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 4.688 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN086072.D

Acq: 24 Mar 2025 15:12

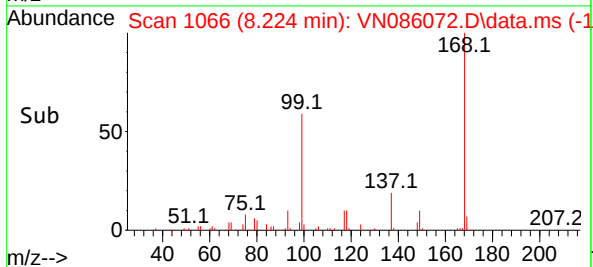
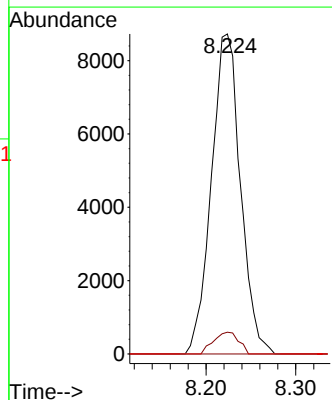
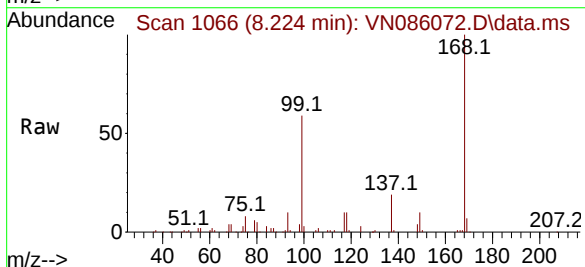
Tgt Ion: 117 Resp: 19642

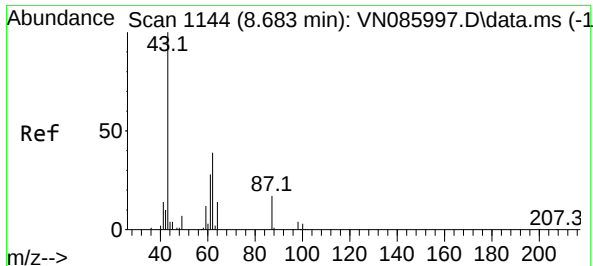
Ion Ratio Lower Upper

117 100

119 6.8 77.0 115.4#

121 0.0 25.6 38.4#





#43

Isopropyl Acetate

Concen: 0.736 ug/l

RT: 8.671 min Scan# 1144

Delta R.T. -0.012 min

Lab File: VN086072.D

Acq: 24 Mar 2025 15:12

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IBLK

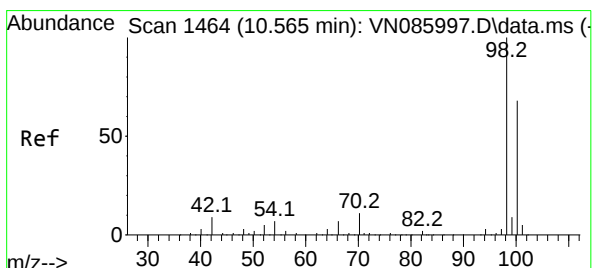
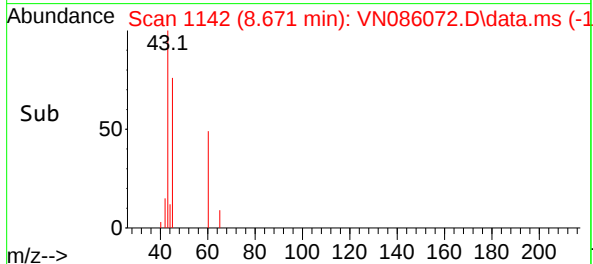
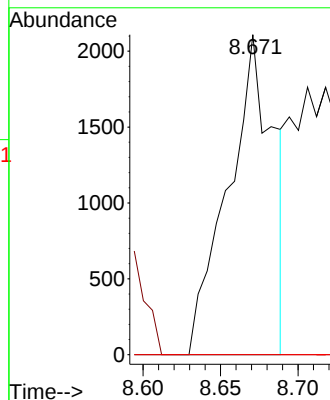
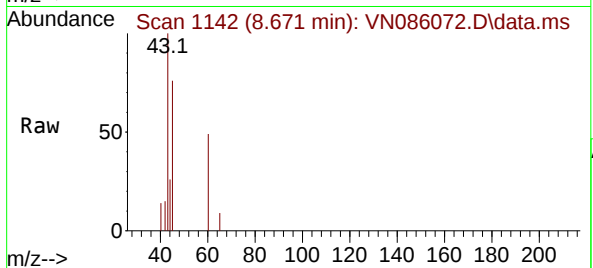
Tgt Ion: 43 Resp: 4287

Ion Ratio Lower Upper

43 100

61 0.0 25.0 37.6#

87 0.0 13.0 19.4#



#50

Toluene-d8

Concen: 47.286 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086072.D

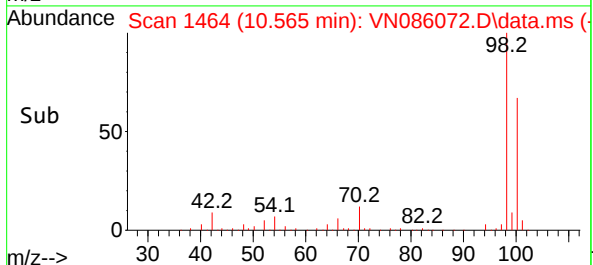
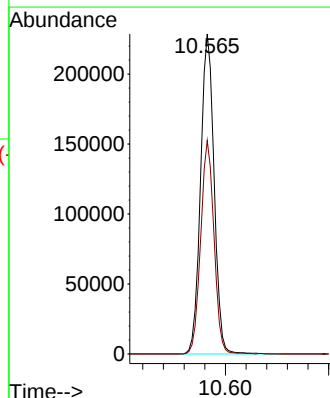
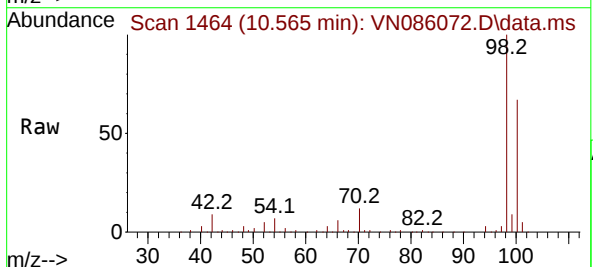
Acq: 24 Mar 2025 15:12

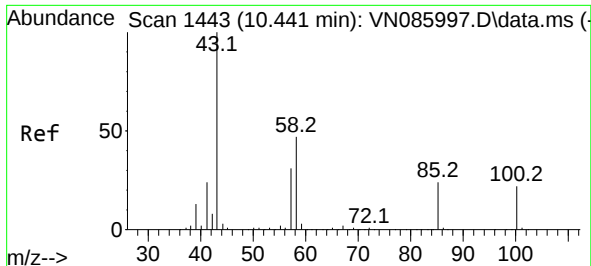
Tgt Ion: 98 Resp: 415345

Ion Ratio Lower Upper

98 100

100 65.5 53.1 79.7

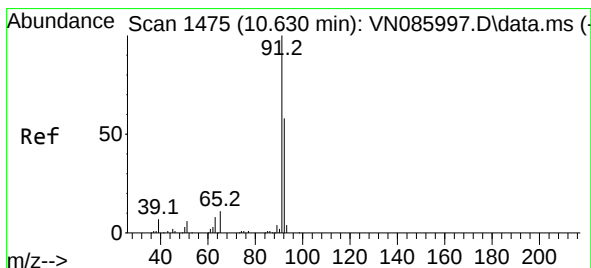
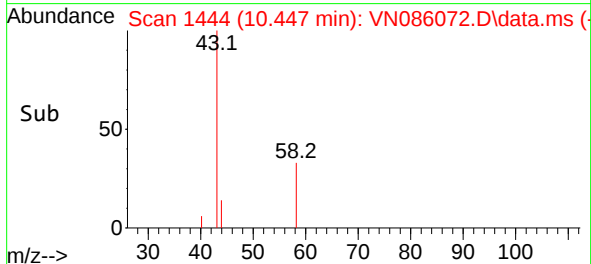
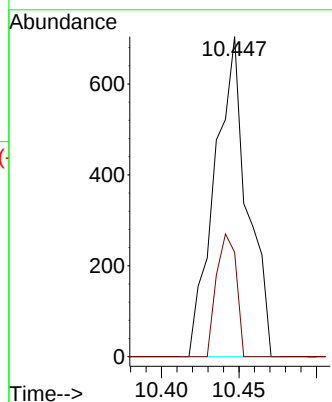
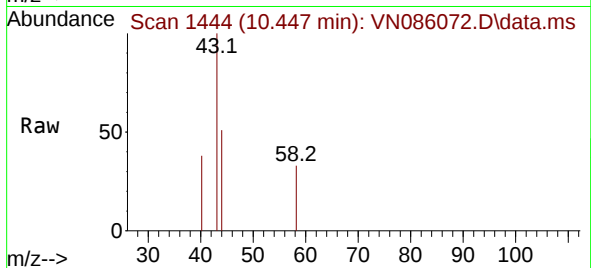




#51
4-Methyl-2-Pentanone
Concen: 0.402 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN086072.D
Acq: 24 Mar 2025 15:12

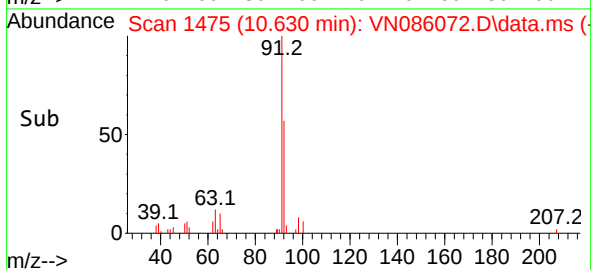
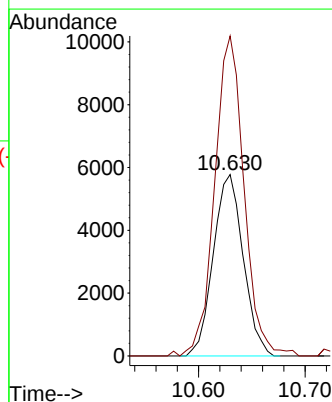
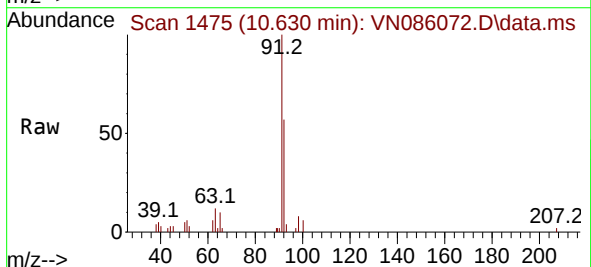
Instrument :
MSVOA_N
ClientSampleId :
IBLK

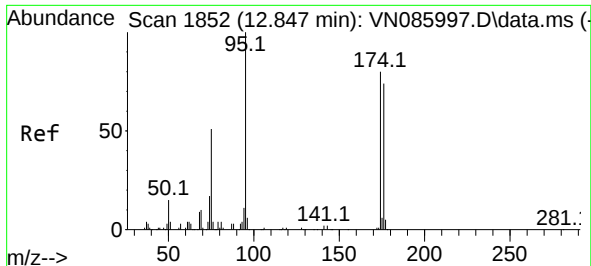
Tgt Ion: 43 Resp: 1032
Ion Ratio Lower Upper
43 100
58 23.3 37.4 56.0#



#52
Toluene
Concen: 1.834 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086072.D
Acq: 24 Mar 2025 15:12

Tgt Ion: 92 Resp: 11262
Ion Ratio Lower Upper
92 100
91 173.5 136.2 204.4

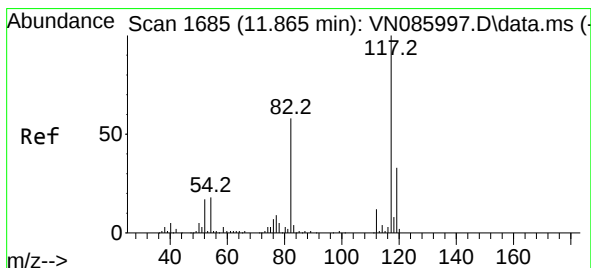
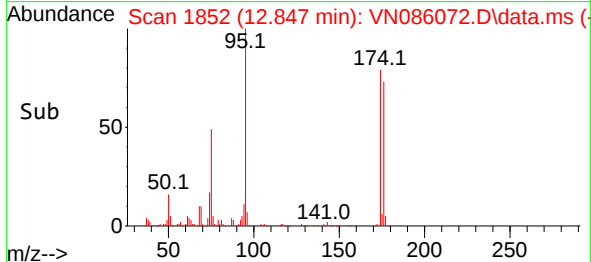
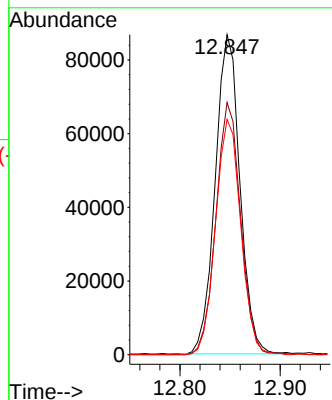
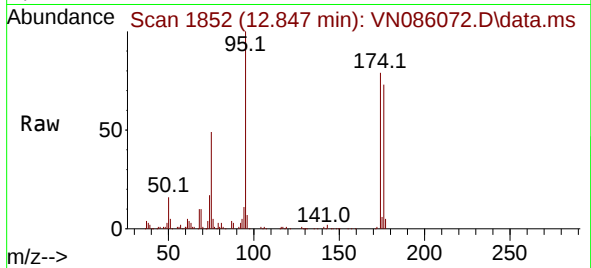




#62
4-Bromofluorobenzene
Concen: 47.339 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086072.D
Acq: 24 Mar 2025 15:12

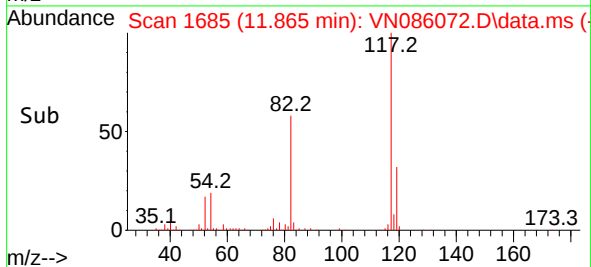
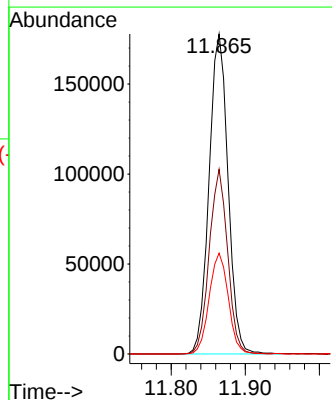
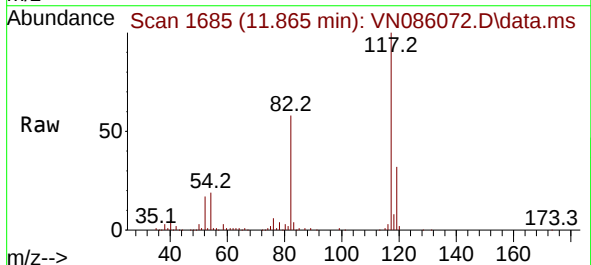
Instrument :
MSVOA_N
ClientSampleId :
IBLK

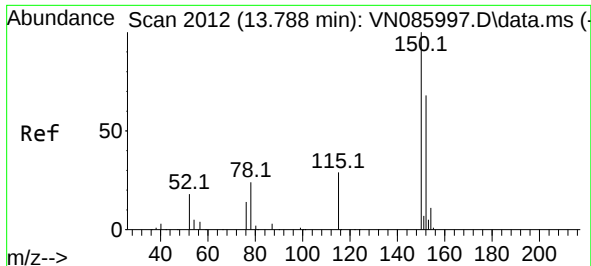
Tgt Ion: 95 Resp: 148289
Ion Ratio Lower Upper
95 100
174 79.1 0.0 156.8
176 75.2 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086072.D
Acq: 24 Mar 2025 15:12

Tgt Ion: 117 Resp: 316044
Ion Ratio Lower Upper
117 100
82 57.7 46.7 70.1
119 31.5 26.5 39.7

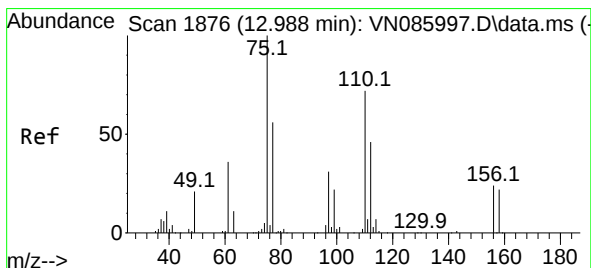
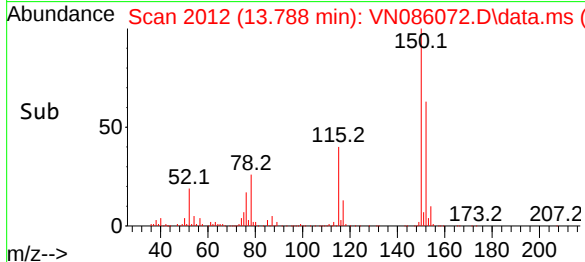
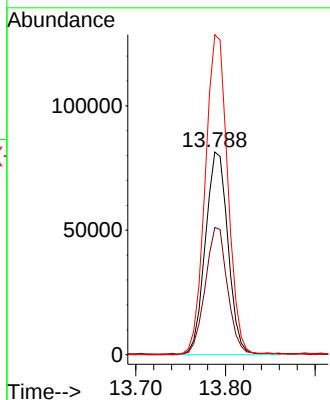
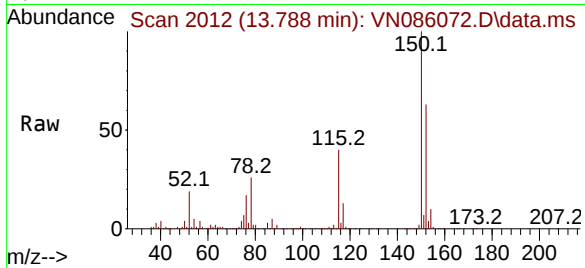




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN086072.D
 Acq: 24 Mar 2025 15:12

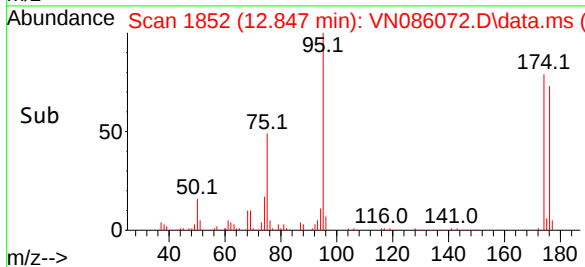
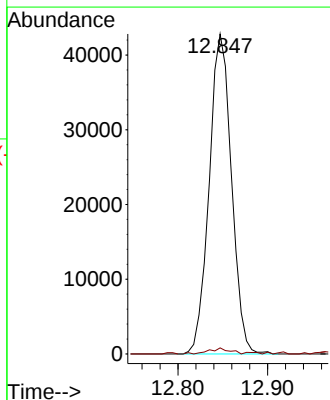
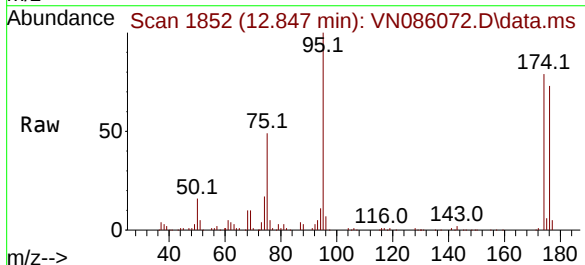
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

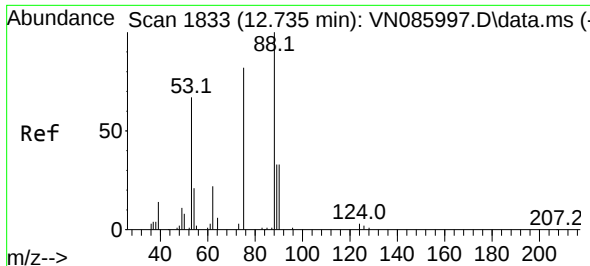
Tgt Ion:152 Resp: 142900
 Ion Ratio Lower Upper
 152 100
 115 61.0 31.1 93.2
 150 157.0 0.0 359.6



#76
 1,2,3-Trichloropropane
 Concen: 23.126 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN086072.D
 Acq: 24 Mar 2025 15:12

Tgt Ion: 75 Resp: 73986
 Ion Ratio Lower Upper
 75 100
 77 1.7 83.7 251.0#

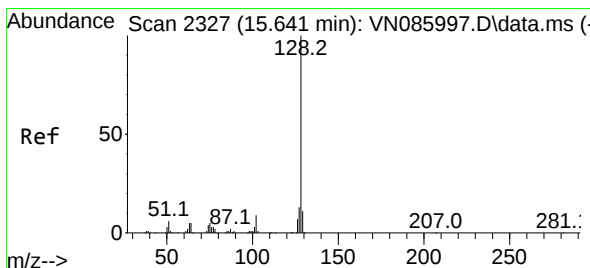
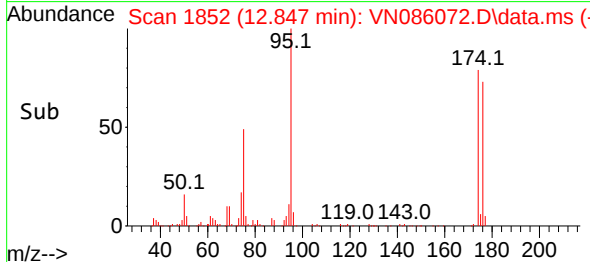
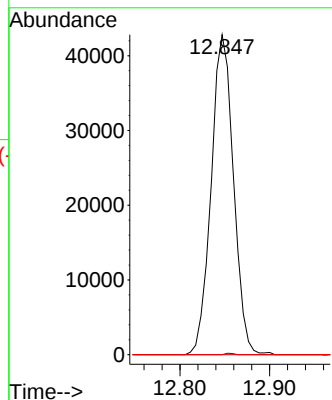
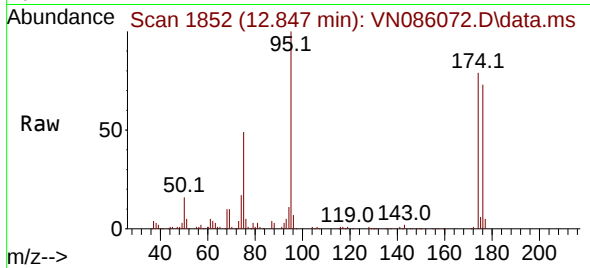




#81
trans-1,4-Dichloro-2-butene
Concen: 61.141 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086072.D
Acq: 24 Mar 2025 15:12

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 73986
Ion Ratio Lower Upper
75 100
53 0.2 66.0 99.0#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 1.098 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN086072.D
Acq: 24 Mar 2025 15:12

Tgt Ion: 128 Resp: 7792
Ion Ratio Lower Upper
128 100
127 18.2 10.2 15.4#
129 24.1 9.0 13.6#

