

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051525\
 Data File : VN086639.D
 Acq On : 15 May 2025 12:46
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: May 16 05:25:39 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)

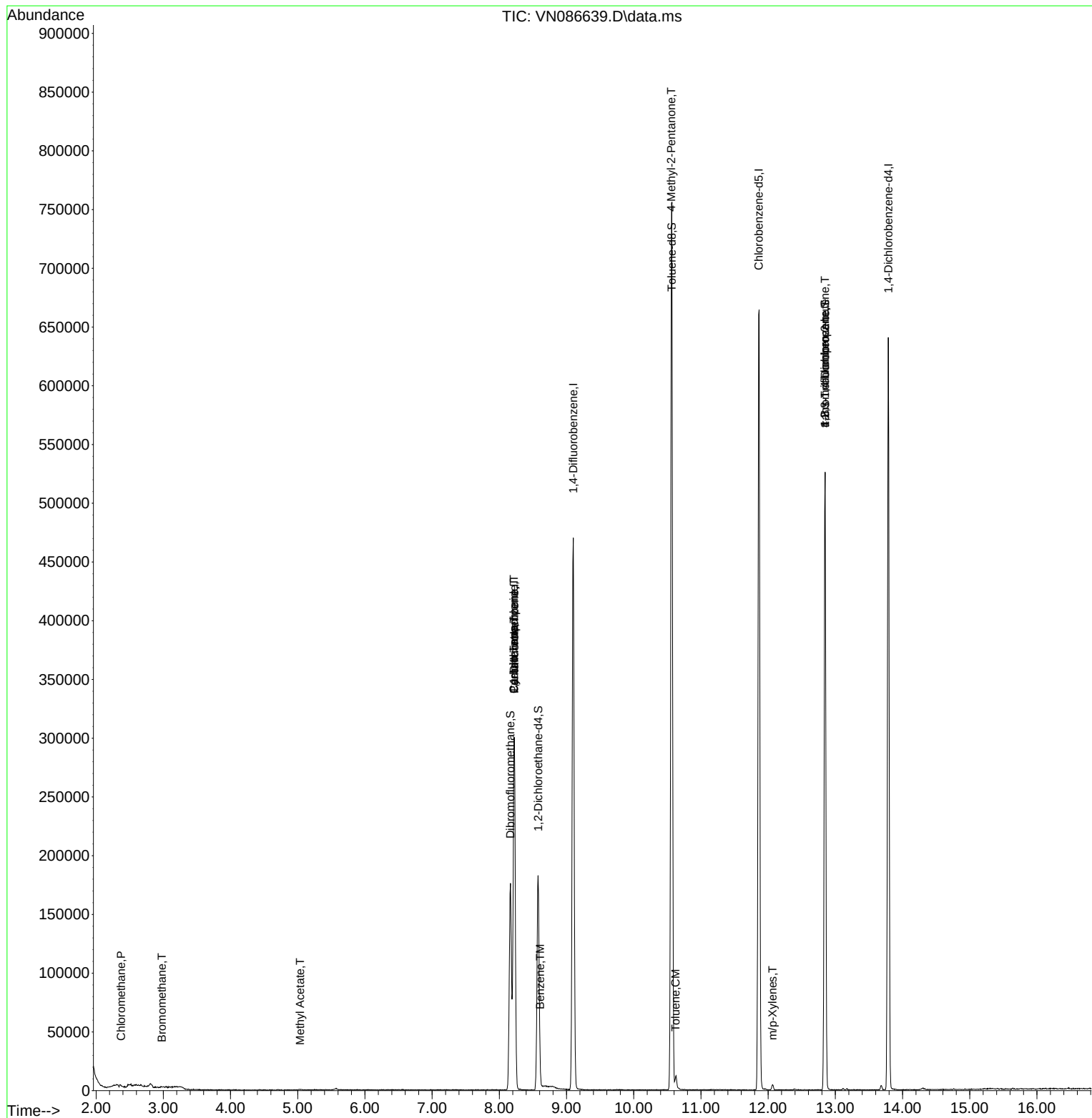
Internal Standards						
1) Pentafluorobenzene	8.224	168	234099	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	434508	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	410919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	179228	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	151264	44.560	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.120%
35) Dibromofluoromethane	8.165	113	129041	63.989	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	127.980%#
50) Toluene-d8	10.565	98	545842	50.645	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.300%
62) 4-Bromofluorobenzene	12.847	95	197232	50.172	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.340%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	946	0.235	ug/l	98
5) Bromomethane	2.977	94	371	0.214	ug/l #	3
16) Acetone	4.448	43	361	Below Cal	#	43
18) Methyl Acetate	5.036	43	899	0.221	ug/l #	51
31) Cyclohexane	8.218	56	4406	0.801	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	18164	4.510	ug/l #	49
38) Carbon Tetrachloride	8.218	117	23205	6.050	ug/l #	16
40) Benzene	8.606	78	5632	0.436	ug/l	100
43) Isopropyl Acetate	8.706	43	301	Below Cal	#	55
51) 4-Methyl-2-Pentanone	10.559	43	2235	0.515	ug/l #	1
52) Toluene	10.624	92	4860	0.604	ug/l	92
68) m/p-Xylenes	12.065	106	1781	0.287	ug/l	91
76) 1,2,3-Trichloropropane	12.847	75	97837	23.132	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	97837	55.554	ug/l #	10

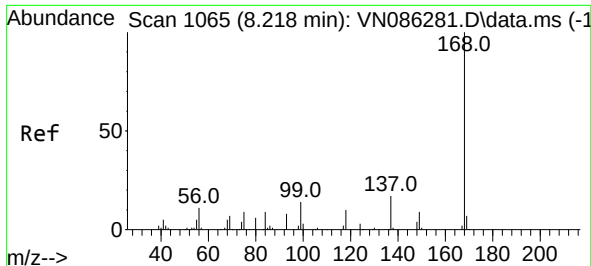
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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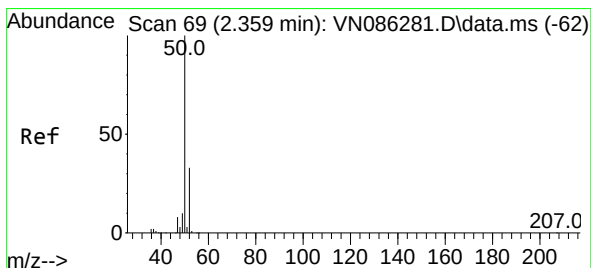
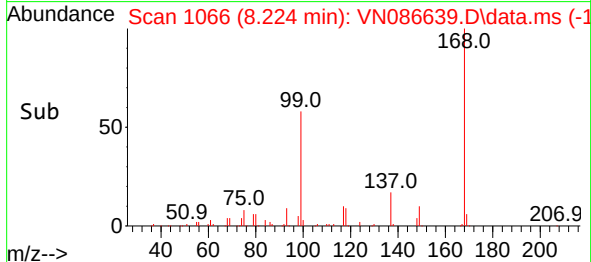
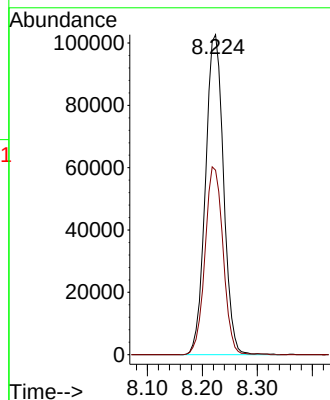
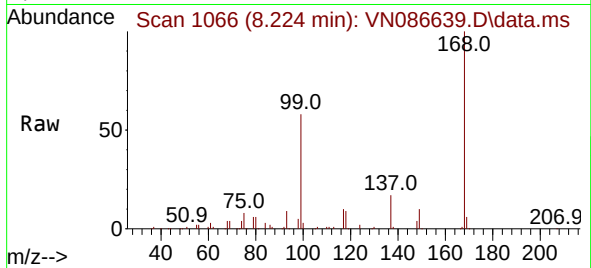




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN086639.D
Acq: 15 May 2025 12:46

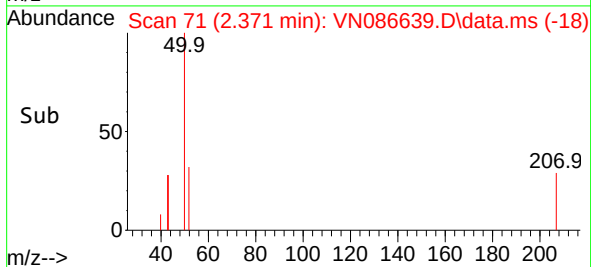
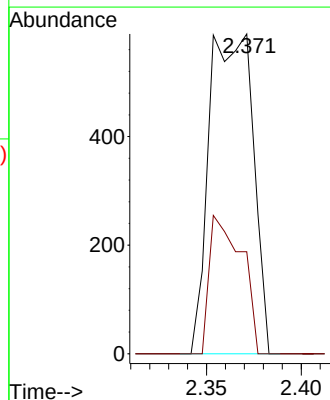
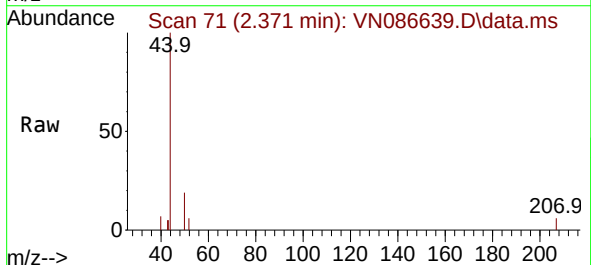
Instrument :
MSVOA_N
ClientSampleId :
IBLK

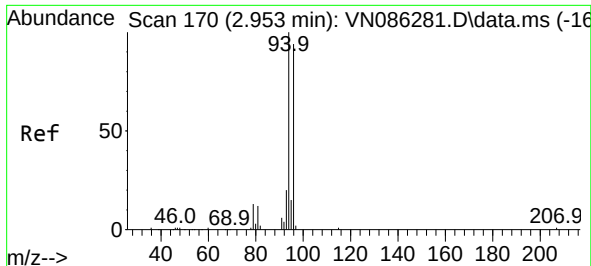
Tgt Ion:168 Resp: 234099
Ion Ratio Lower Upper
168 100
99 57.6 52.5 78.7



#3
Chloromethane
Concen: 0.235 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN086639.D
Acq: 15 May 2025 12:46

Tgt Ion: 50 Resp: 946
Ion Ratio Lower Upper
50 100
52 31.9 26.5 39.7

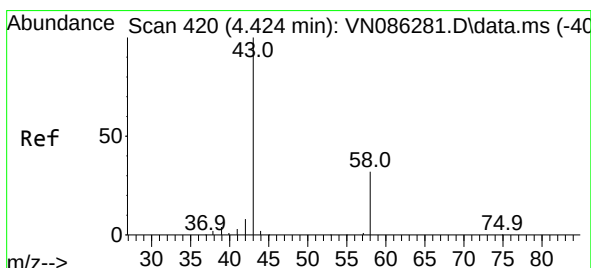
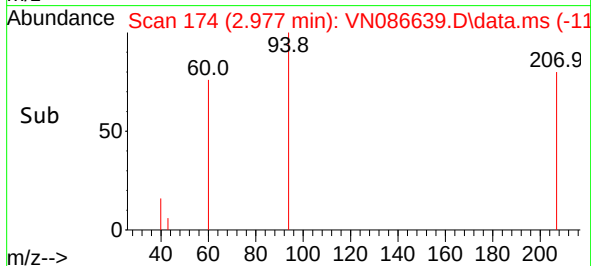
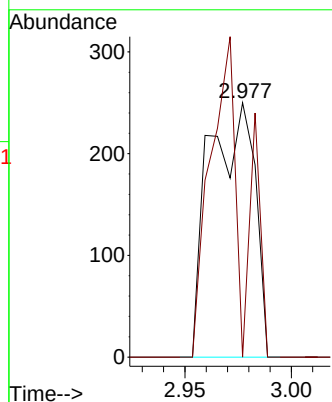
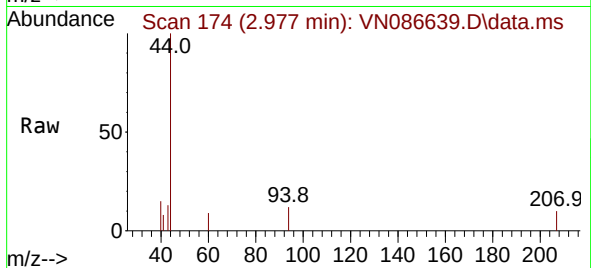




#5
Bromomethane
Concen: 0.214 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN086639.D
Acq: 15 May 2025 12:46

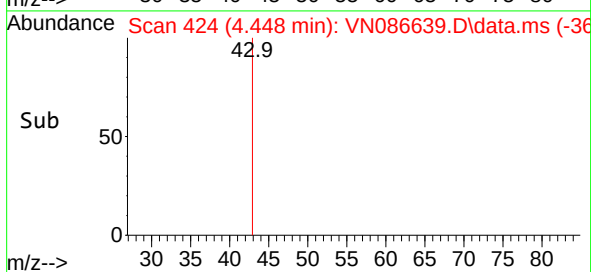
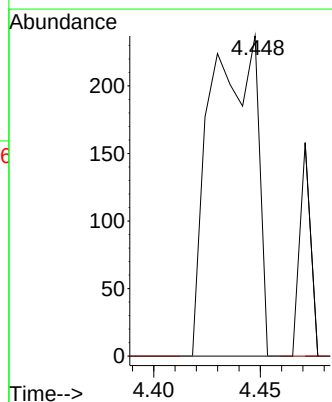
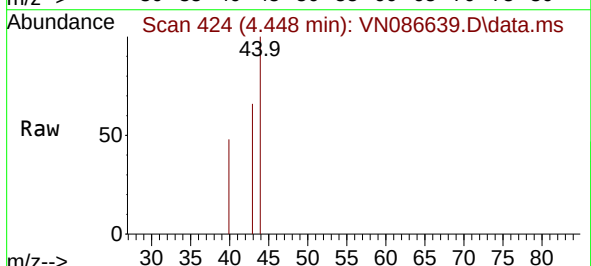
Instrument :
MSVOA_N
ClientSampleId :
IBLK

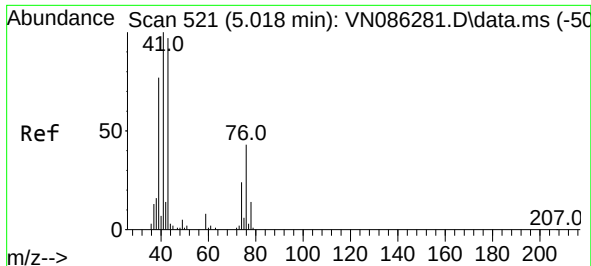
Tgt Ion: 94 Resp: 371
Ion Ratio Lower Upper
94 100
96 0.0 75.2 112.8#



#16
Acetone
Concen: Below Cal
RT: 4.448 min Scan# 424
Delta R.T. 0.024 min
Lab File: VN086639.D
Acq: 15 May 2025 12:46

Tgt Ion: 43 Resp: 361
Ion Ratio Lower Upper
43 100
58 0.0 25.3 37.9#





#18

Methyl Acetate

Concen: 0.221 ug/l

RT: 5.036 min Scan# 51

Delta R.T. 0.018 min

Lab File: VN086639.D

Acq: 15 May 2025 12:46

Instrument :

MSVOA_N

ClientSampleId :

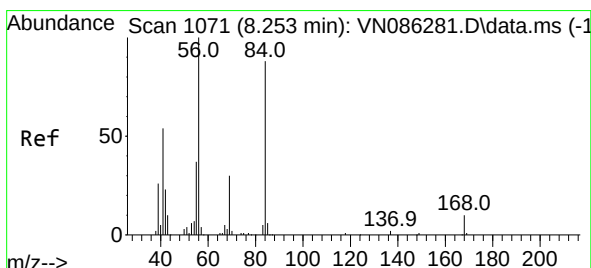
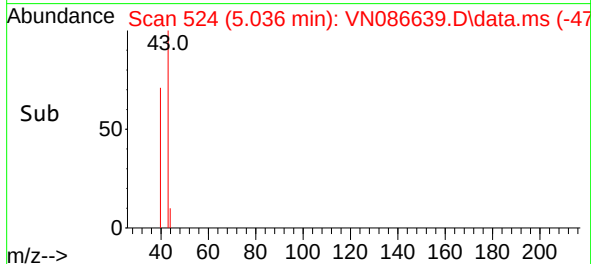
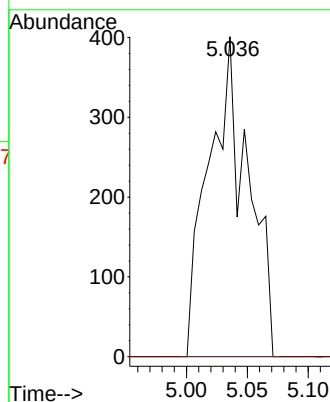
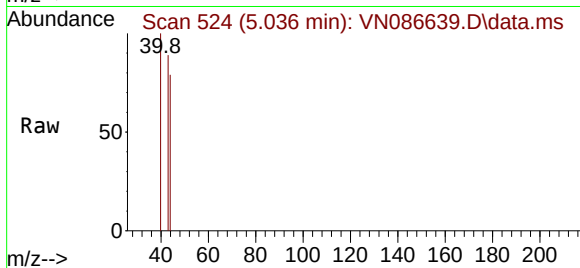
IBLK

Tgt Ion: 43 Resp: 899

Ion Ratio Lower Upper

43 100

74 0.0 19.8 29.6#



#31

Cyclohexane

Concen: 0.801 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN086639.D

Acq: 15 May 2025 12:46

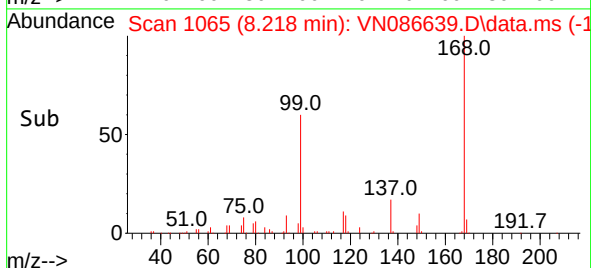
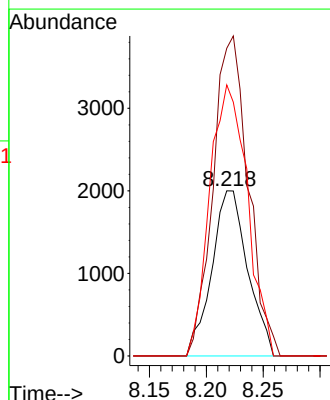
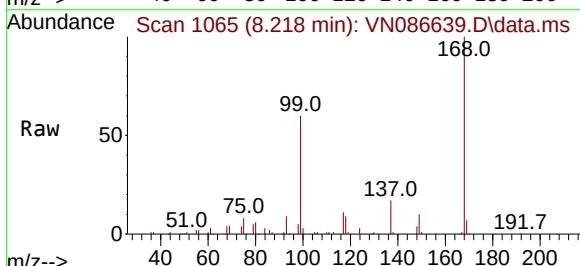
Tgt Ion: 56 Resp: 4406

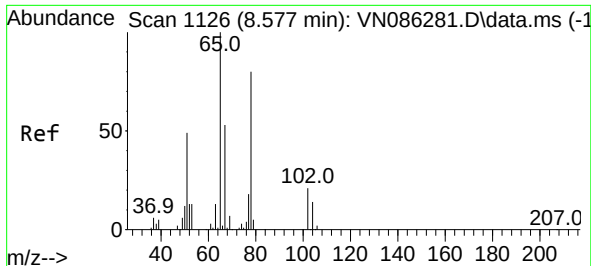
Ion Ratio Lower Upper

56 100

69 186.3 24.2 36.2#

84 164.2 70.3 105.5#





#33

1,2-Dichloroethane-d4

Concen: 44.560 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN086639.D

Acq: 15 May 2025 12:46

Instrument :

MSVOA_N

ClientSampleId :

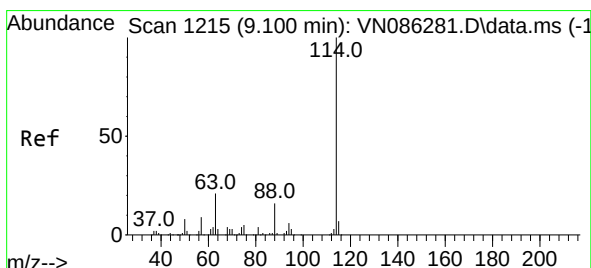
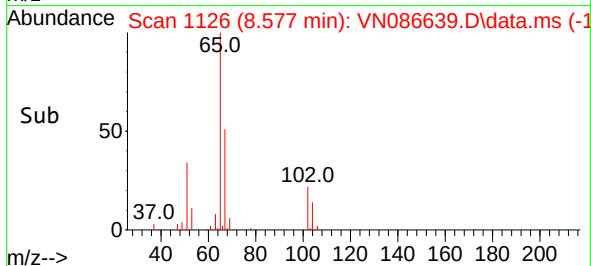
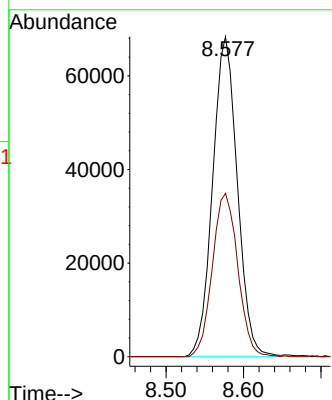
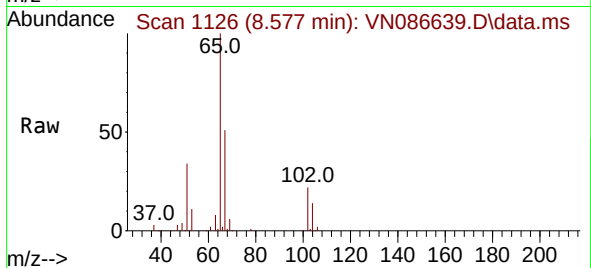
IBLK

Tgt Ion: 65 Resp: 151264

Ion Ratio Lower Upper

65 100

67 52.6 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: VN086639.D

Acq: 15 May 2025 12:46

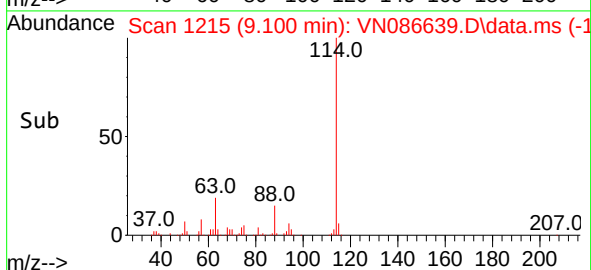
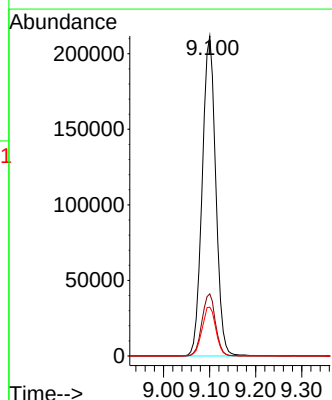
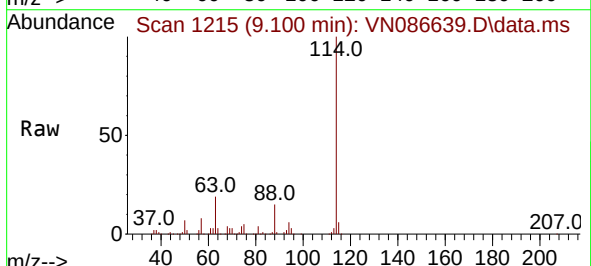
Tgt Ion: 114 Resp: 434508

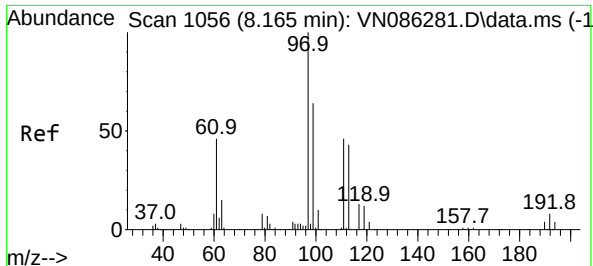
Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.6

88 15.3 0.0 31.8





#35

Dibromofluoromethane

Concen: 63.989 ug/l

RT: 8.165 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN086639.D

Acq: 15 May 2025 12:46

Instrument :

MSVOA_N

ClientSampleId :

IBLK

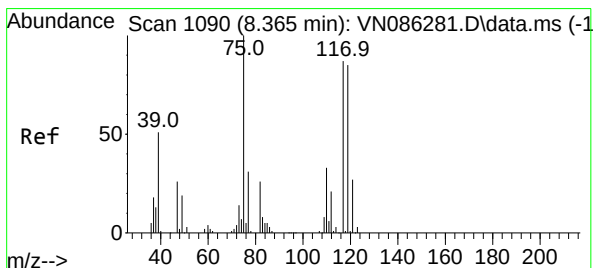
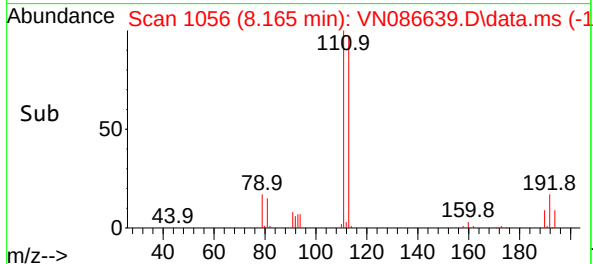
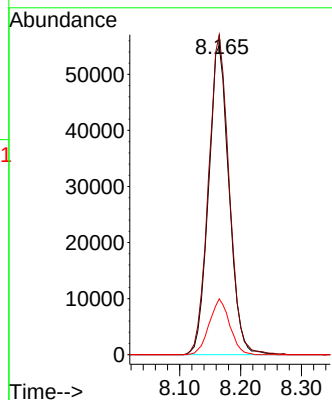
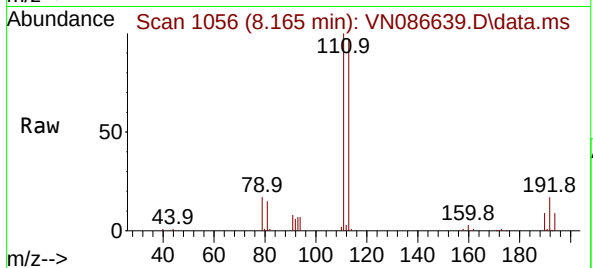
Tgt Ion:113 Resp: 129041

Ion Ratio Lower Upper

113 100

111 104.2 83.4 125.0

192 18.0 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.510 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086639.D

Acq: 15 May 2025 12:46

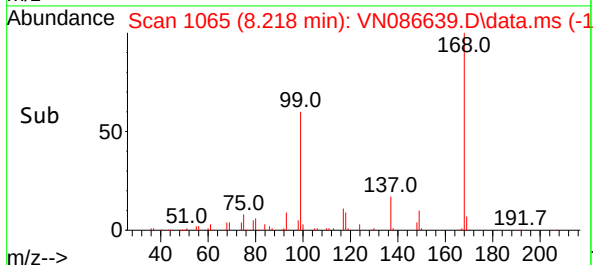
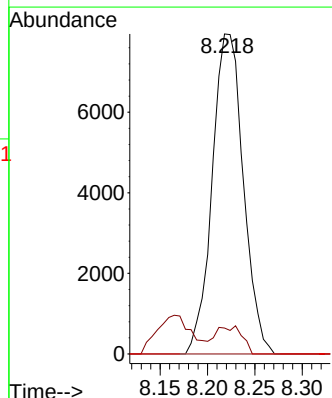
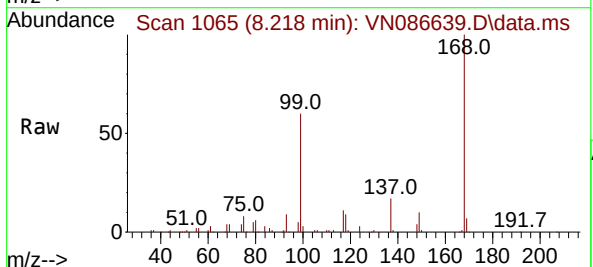
Tgt Ion: 75 Resp: 18164

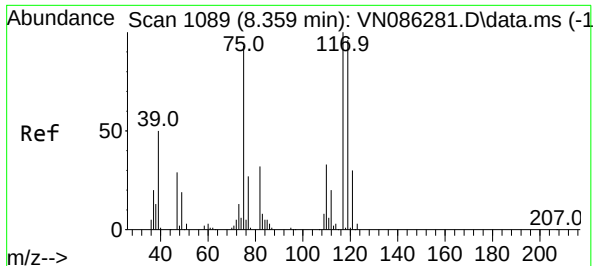
Ion Ratio Lower Upper

75 100

110 7.3 16.8 50.4#

77 0.0 24.9 37.3#

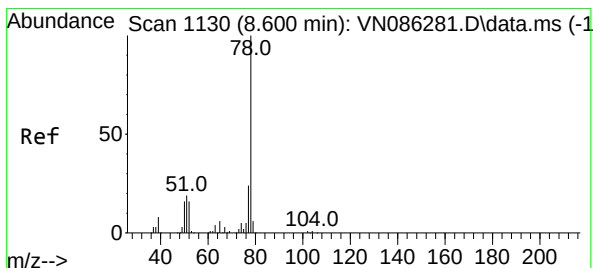
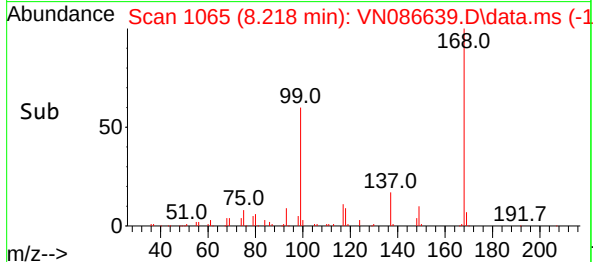
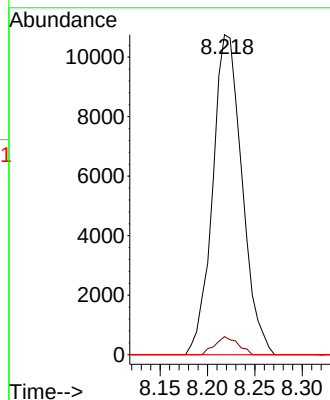
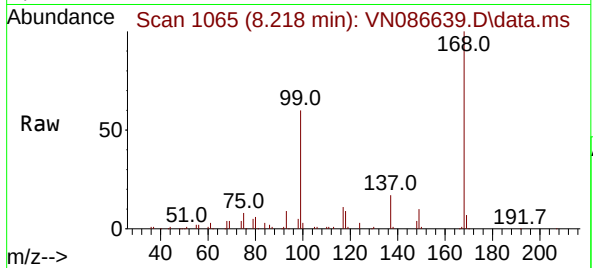




#38
Carbon Tetrachloride
Concen: 6.050 ug/l
RT: 8.218 min Scan# 1105
Delta R.T. -0.141 min
Lab File: VN086639.D
Acq: 15 May 2025 12:46

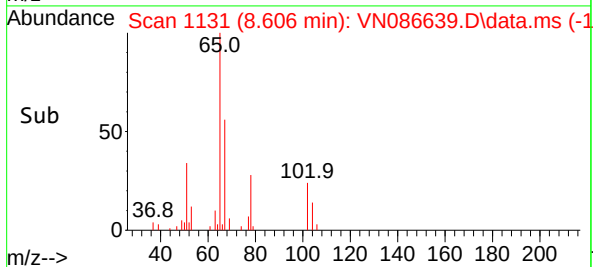
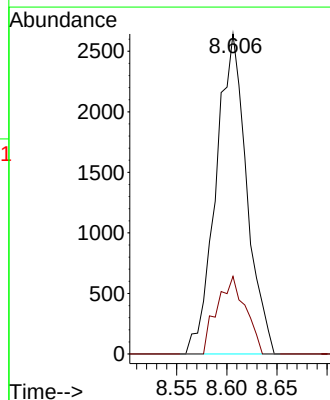
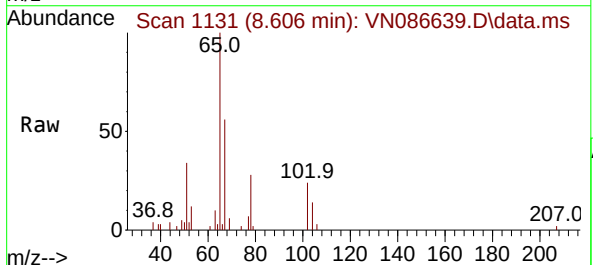
Instrument :
MSVOA_N
ClientSampleId :
IBLK

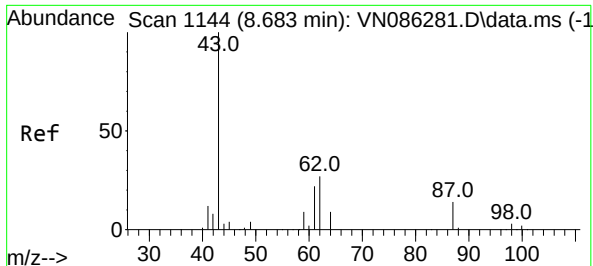
Tgt Ion:117 Resp: 23205
Ion Ratio Lower Upper
117 100
119 5.6 76.8 115.2#
121 0.0 23.8 35.8#



#40
Benzene
Concen: 0.436 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN086639.D
Acq: 15 May 2025 12:46

Tgt Ion: 78 Resp: 5632
Ion Ratio Lower Upper
78 100
77 24.3 19.4 29.2





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.706 min Scan# 1144

Delta R.T. 0.023 min

Lab File: VN086639.D

Acq: 15 May 2025 12:46

Instrument :

MSVOA_N

ClientSampleId :

IBLK

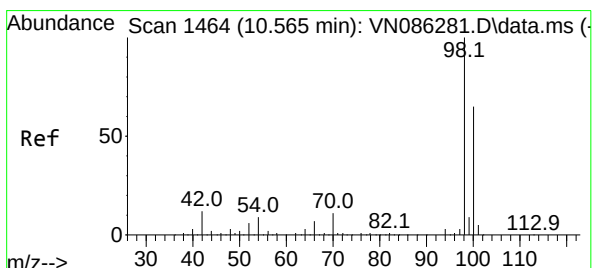
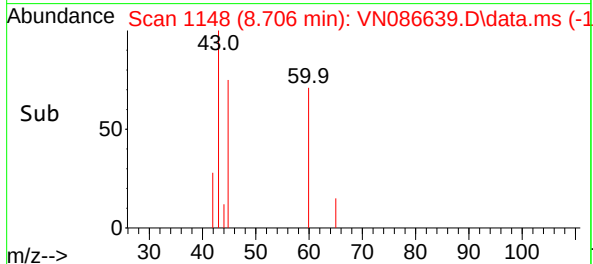
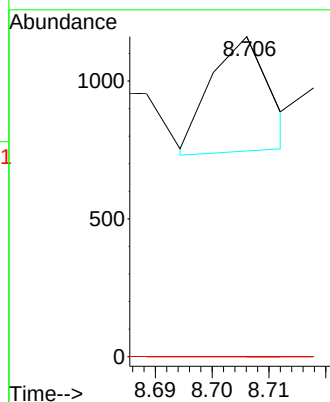
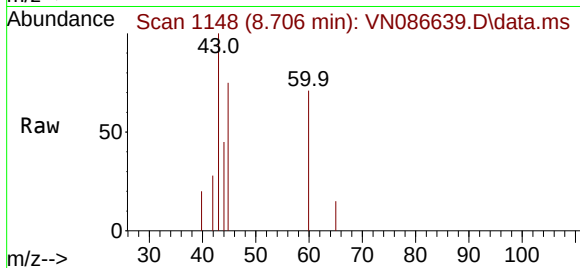
Tgt Ion: 43 Resp: 301

Ion Ratio Lower Upper

43 100

61 0.0 20.5 30.7#

87 0.0 10.5 15.7#



#50

Toluene-d8

Concen: 50.645 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN086639.D

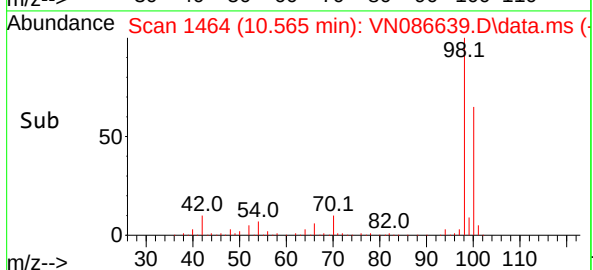
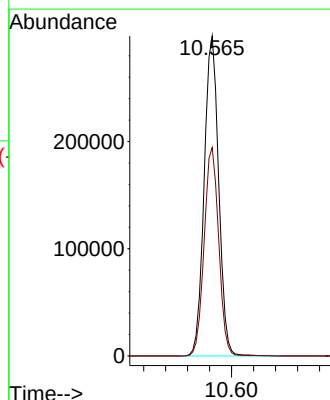
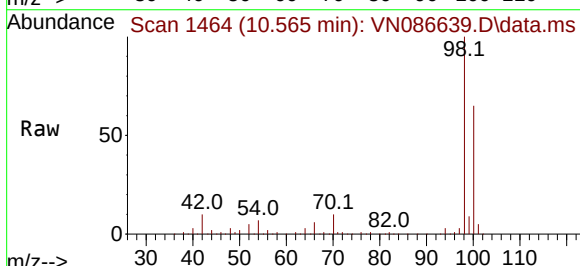
Acq: 15 May 2025 12:46

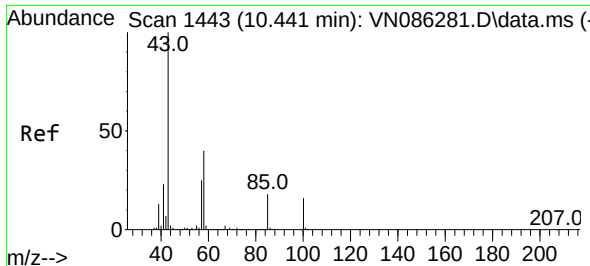
Tgt Ion: 98 Resp: 545842

Ion Ratio Lower Upper

98 100

100 65.5 52.5 78.7

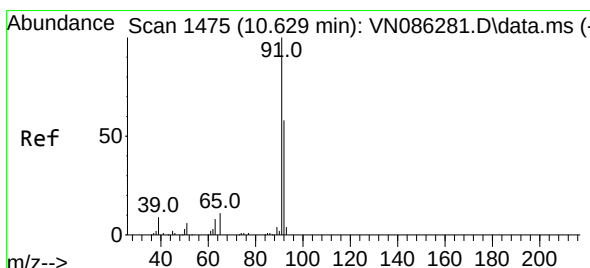
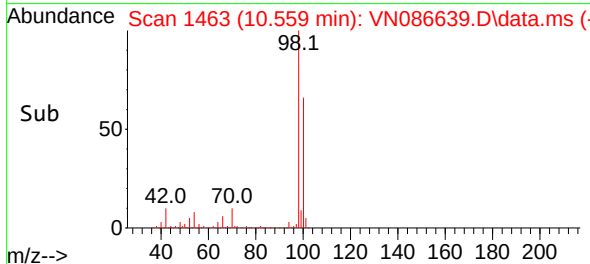
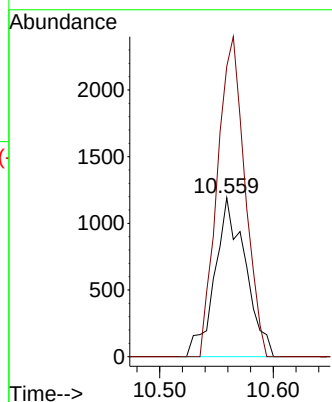
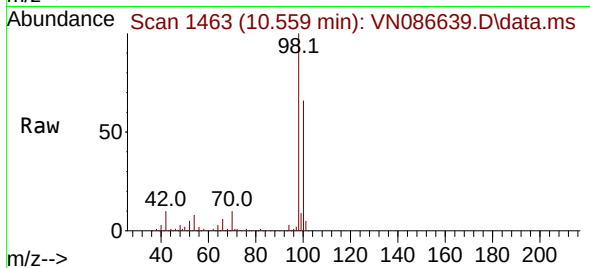




#51
4-Methyl-2-Pentanone
Concen: 0.515 ug/l
RT: 10.559 min Scan# 1443
Delta R.T. 0.118 min
Lab File: VN086639.D
Acq: 15 May 2025 12:46

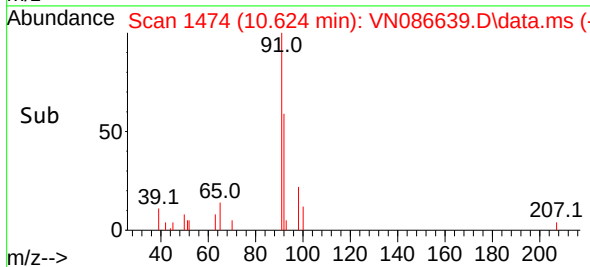
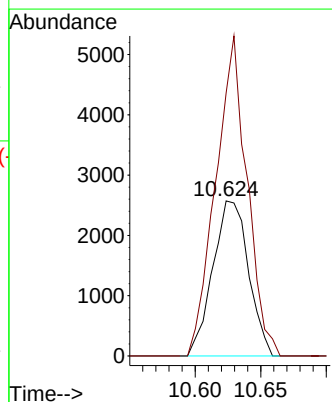
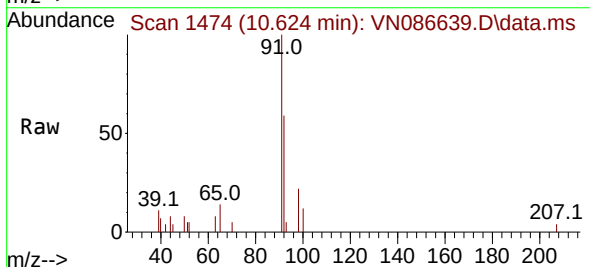
Instrument :
MSVOA_N
ClientSampleId :
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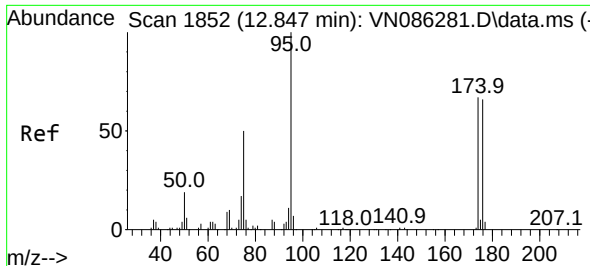
Tgt Ion: 43 Resp: 2235
Ion Ratio Lower Upper
43 100
58 180.4 32.2 48.4#



#52
Toluene
Concen: 0.604 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN086639.D
Acq: 15 May 2025 12:46

Tgt Ion: 92 Resp: 4860
Ion Ratio Lower Upper
92 100
91 182.4 137.3 205.9

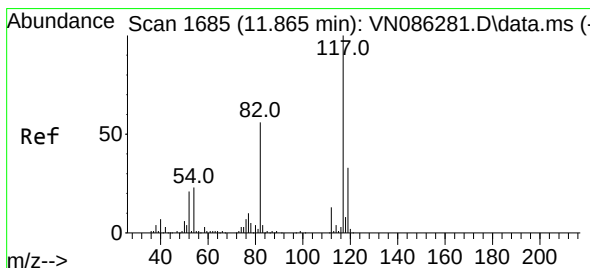
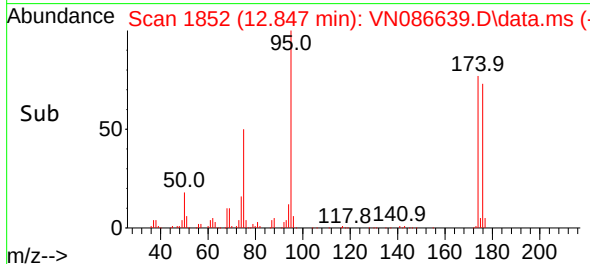
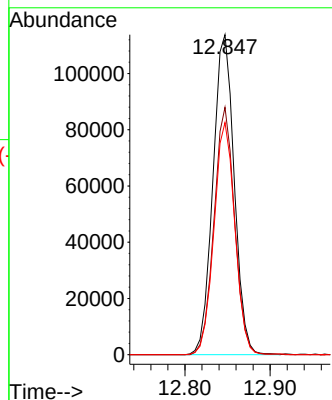
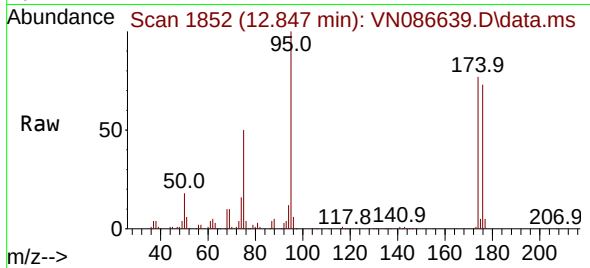




#62
4-Bromofluorobenzene
Concen: 50.172 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086639.D
Acq: 15 May 2025 12:46

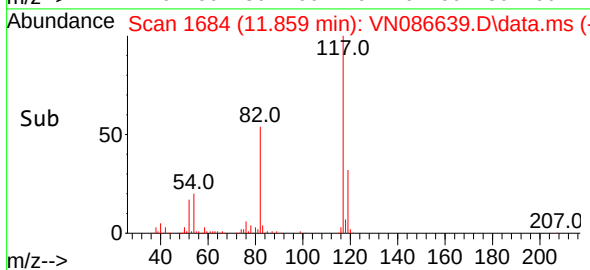
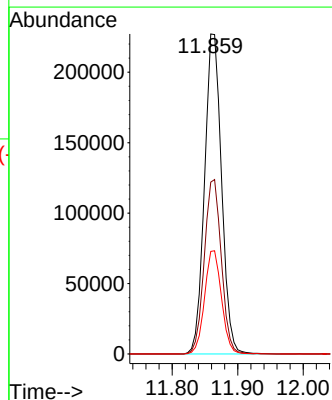
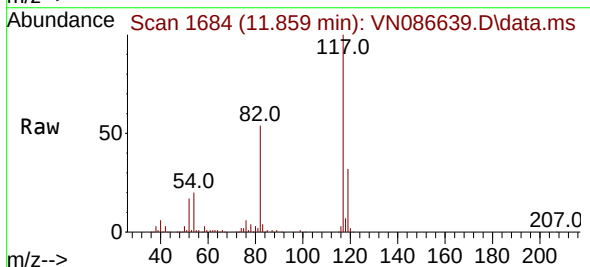
Instrument :
MSVOA_N
ClientSampleId :
IBLK

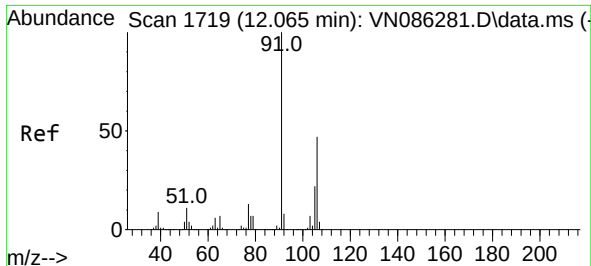
Tgt Ion: 95 Resp: 197232
Ion Ratio Lower Upper
95 100
174 75.0 0.0 133.4
176 71.2 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1684
Delta R.T. -0.006 min
Lab File: VN086639.D
Acq: 15 May 2025 12:46

Tgt Ion: 117 Resp: 410919
Ion Ratio Lower Upper
117 100
82 53.7 44.7 67.1
119 32.0 26.4 39.6

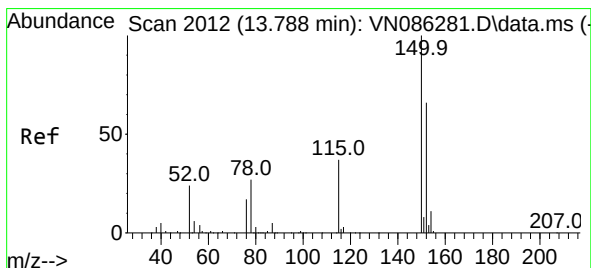
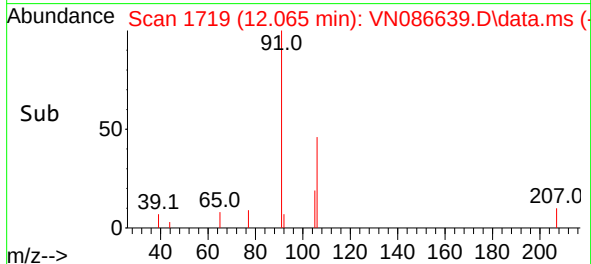
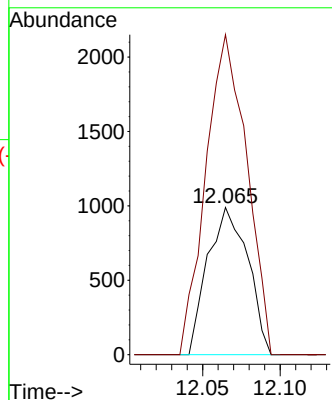
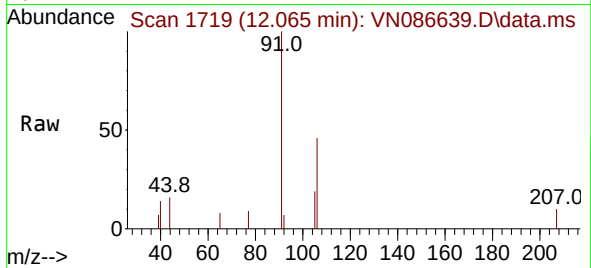




#68
m/p-Xylenes
Concen: 0.287 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN086639.D
Acq: 15 May 2025 12:46

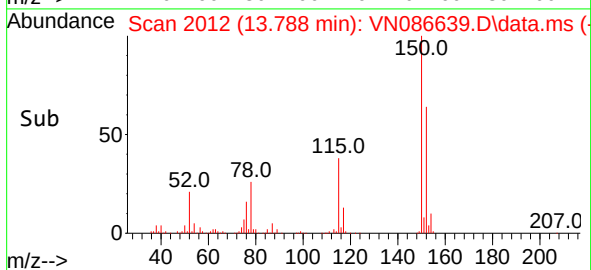
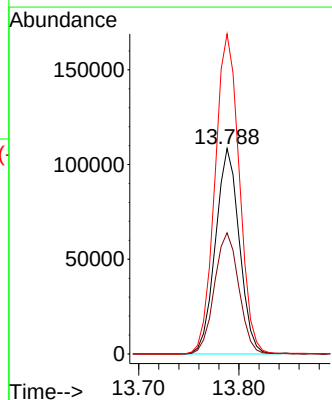
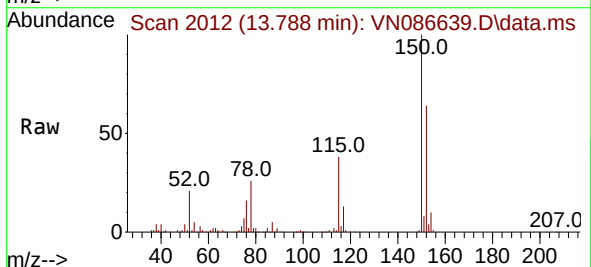
Instrument :
MSVOA_N
ClientSampleId :
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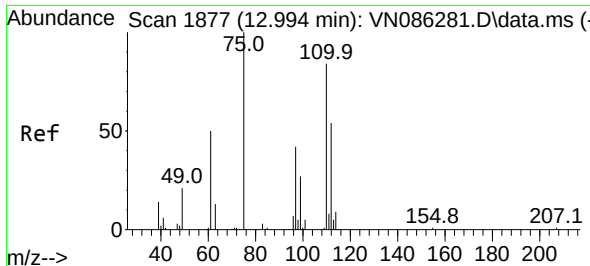
Tgt Ion:106 Resp: 1781
Ion Ratio Lower Upper
106 100
91 221.7 166.5 249.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086639.D
Acq: 15 May 2025 12:46

Tgt Ion:152 Resp: 179228
Ion Ratio Lower Upper
152 100
115 60.3 31.9 95.9
150 158.9 0.0 352.0

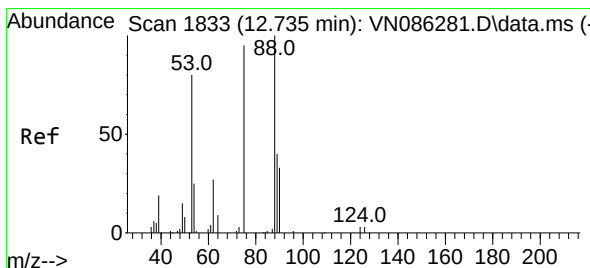
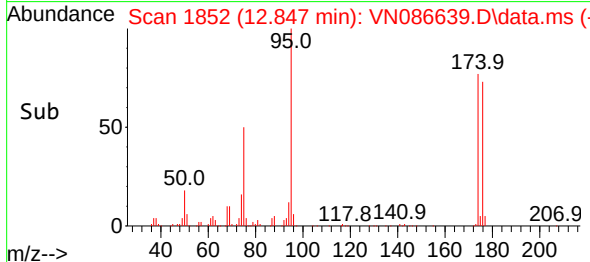
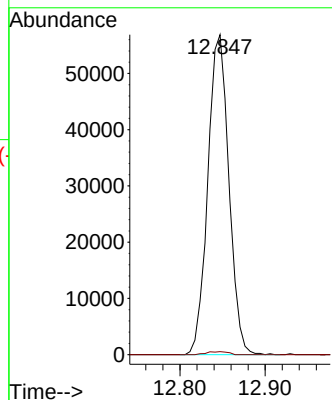
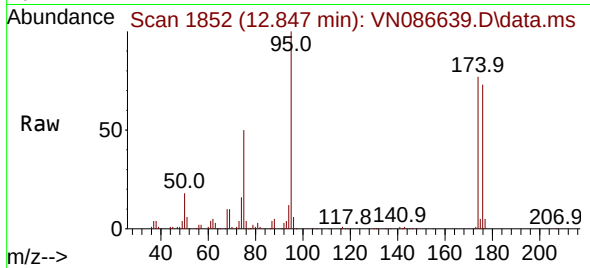




#76
1,2,3-Trichloropropane
Concen: 23.132 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086639.D
Acq: 15 May 2025 12:46

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 97837
Ion Ratio Lower Upper
75 100
77 1.0 98.8 296.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.554 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086639.D
Acq: 15 May 2025 12:46

Tgt Ion: 75 Resp: 97837
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#

