

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
 Data File : VN086523.D
 Acq On : 06 May 2025 18:36
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: May 07 02:57:57 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	226360	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	420673	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	386634	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	165616	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	148850	45.348	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.700%
35) Dibromofluoromethane	8.165	113	116398	59.618	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	119.240%
50) Toluene-d8	10.565	98	520510	49.883	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.760%
62) 4-Bromofluorobenzene	12.847	95	182597	47.977	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.960%

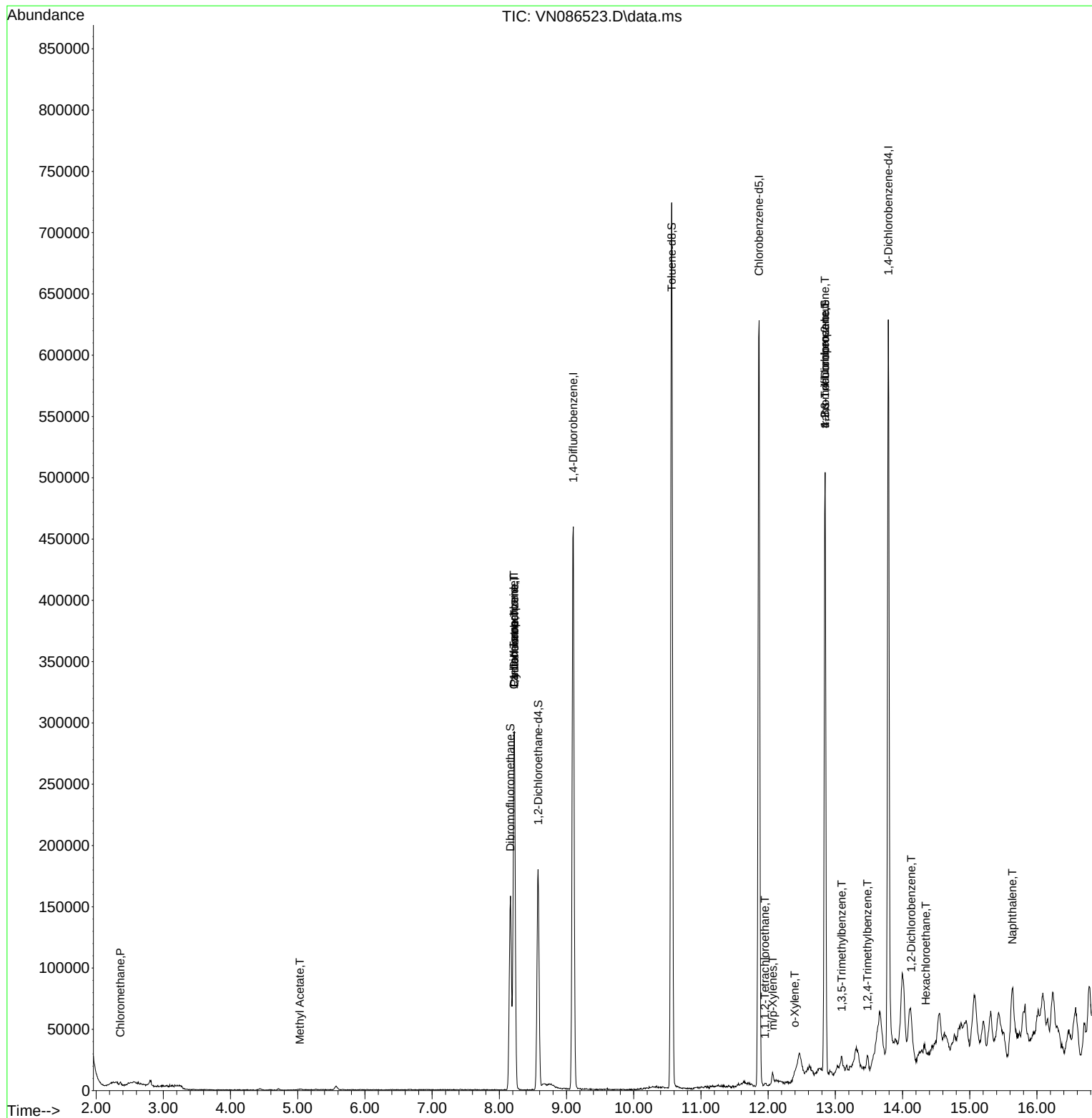
Target Compounds					Qvalue	
3) Chloromethane	2.360	50	2196	0.563	ug/l	95
13) Acrolein	4.201	56	110	Below Cal	#	13
16) Acetone	4.436	43	2210	Below Cal	#	84
18) Methyl Acetate	5.030	43	1630	0.414	ug/l #	51
31) Cyclohexane	8.224	56	4567	0.859	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	17009	4.362	ug/l #	49
38) Carbon Tetrachloride	8.218	117	22319	6.010	ug/l #	16
43) Isopropyl Acetate	8.665	43	5054	Below Cal	#	55
66) 1,1,1,2-Tetrachloroethane	11.953	131	607	0.213	ug/l #	20
68) m/p-Xylenes	12.071	106	2381	0.408	ug/l	97
69) o-Xylene	12.394	106	1210	0.210	ug/l	95
76) 1,2,3-Trichloropropane	12.847	75	90929	23.266	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.094	105	4294	0.387	ug/l	77
81) trans-1,4-Dichloro-2-b...	12.847	75	90929	55.876	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.476	105	7129	0.632	ug/l	84
90) Hexachloroethane	14.347	117	711	0.385	ug/l #	19
91) 1,2-Dichlorobenzene	14.129	146	1346	0.246	ug/l #	24
95) Naphthalene	15.635	128	10368	1.116	ug/l #	37

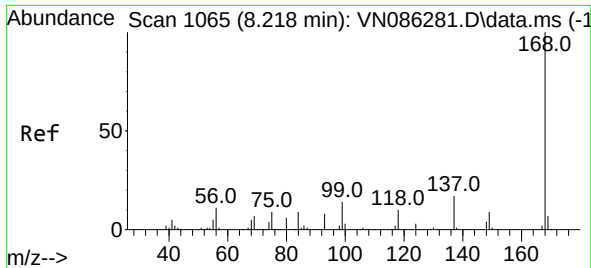
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

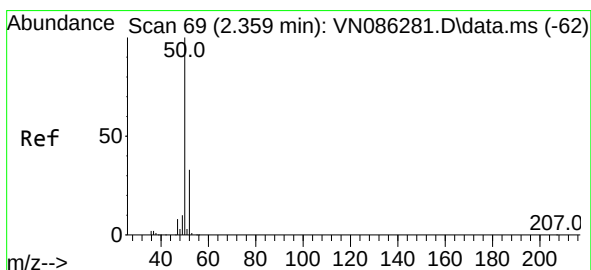
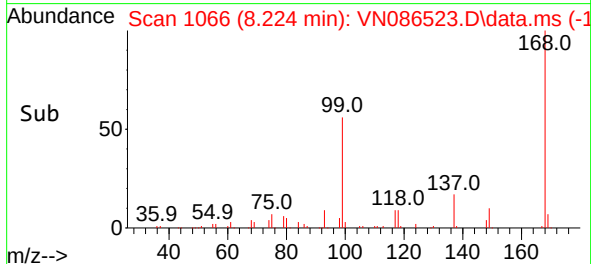
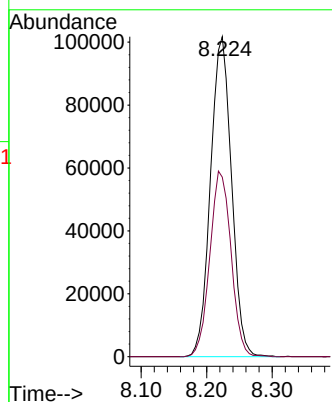
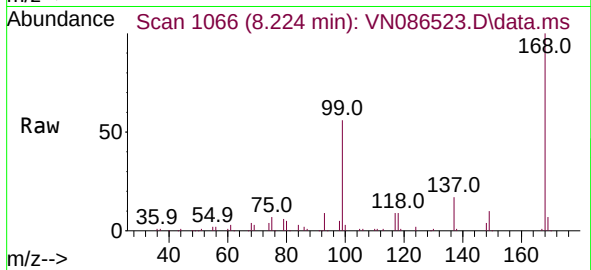




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086523.D
Acq: 06 May 2025 18:36

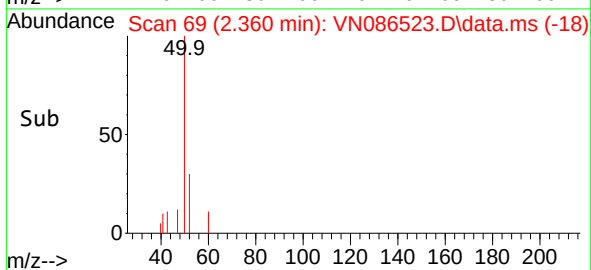
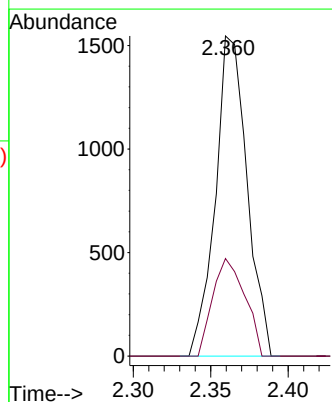
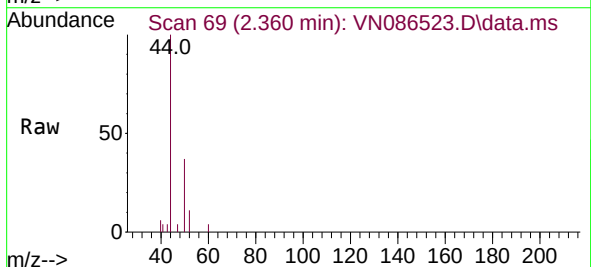
Instrument :
MSVOA_N
ClientSampleId :
IBLK

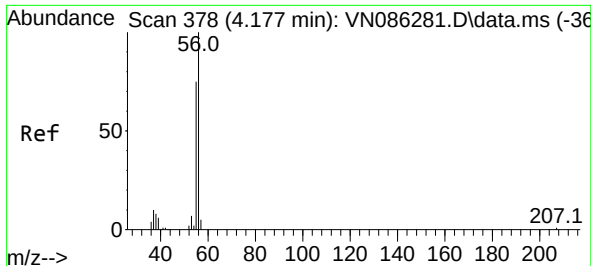
Tgt Ion:168 Resp: 226360
Ion Ratio Lower Upper
168 100
99 56.1 52.5 78.7



#3
Chloromethane
Concen: 0.563 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN086523.D
Acq: 06 May 2025 18:36

Tgt Ion: 50 Resp: 2196
Ion Ratio Lower Upper
50 100
52 30.5 26.5 39.7

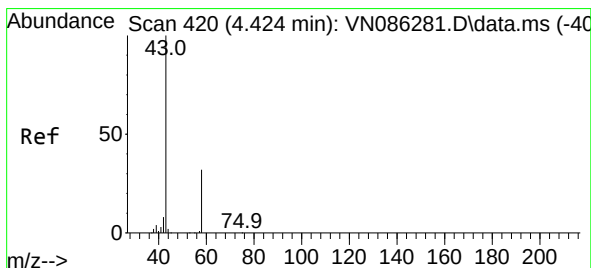
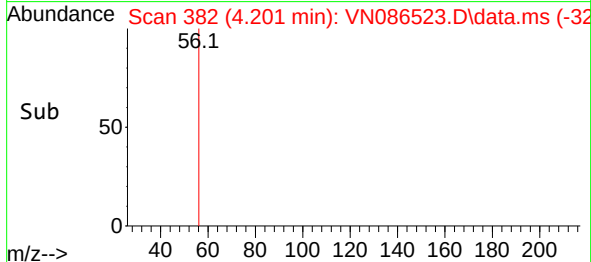
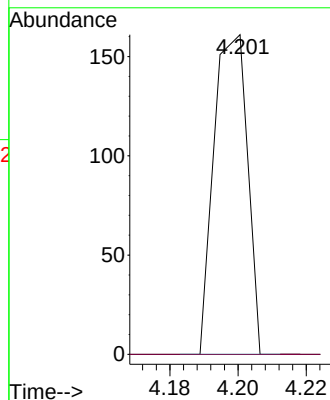
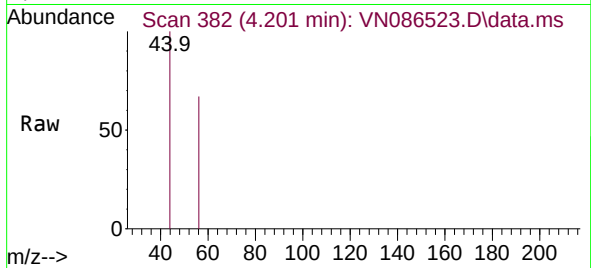




#13
Acrolein
Concen: Below Cal
RT: 4.201 min Scan# 382
Delta R.T. 0.024 min
Lab File: VN086523.D
Acq: 06 May 2025 18:36

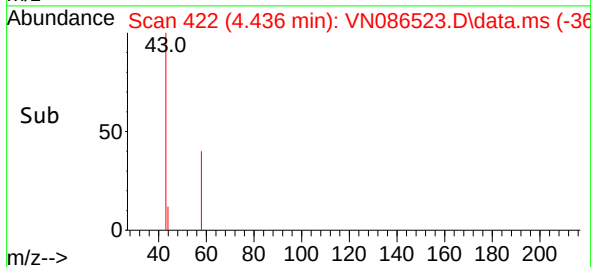
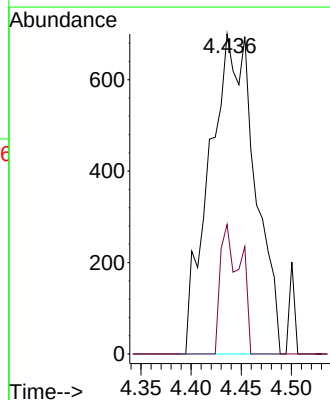
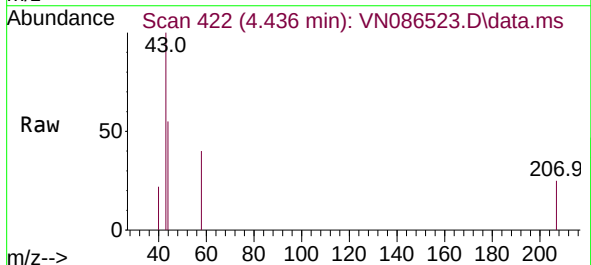
Instrument :
MSVOA_N
ClientSampleId :
IBLK

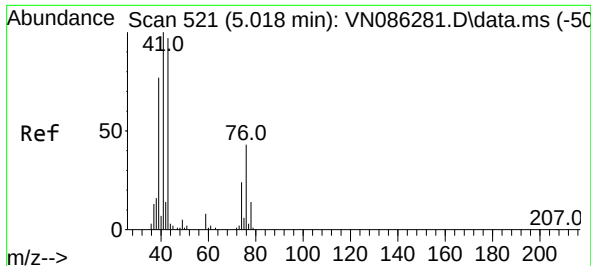
Tgt Ion: 56 Resp: 110
Ion Ratio Lower Upper
56 100
55 0.0 58.5 87.7#



#16
Acetone
Concen: Below Cal
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN086523.D
Acq: 06 May 2025 18:36

Tgt Ion: 43 Resp: 2210
Ion Ratio Lower Upper
43 100
58 40.4 25.3 37.9#

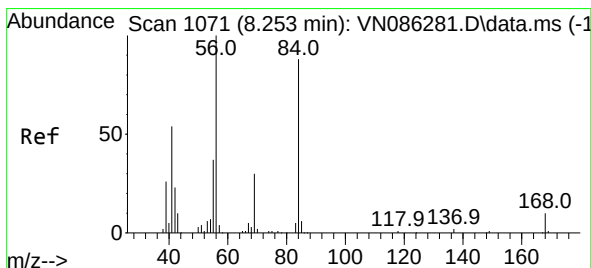
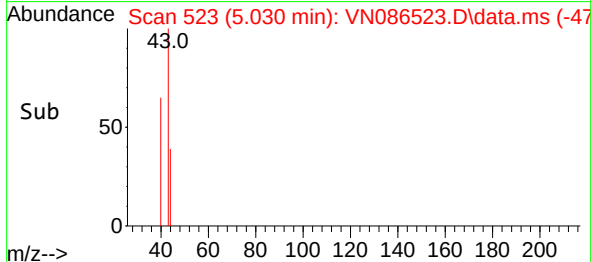
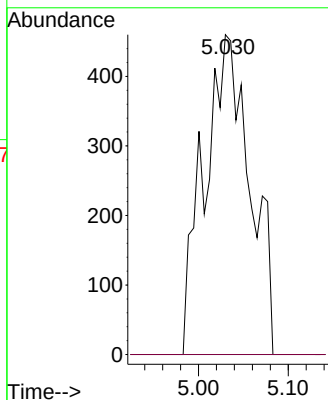
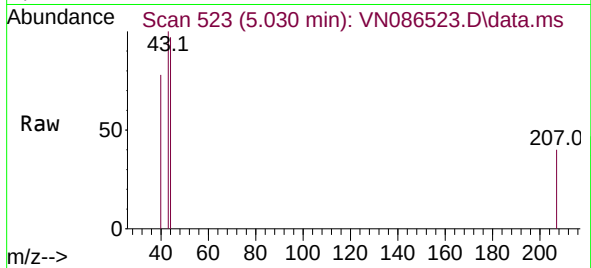




#18
Methyl Acetate
Concen: 0.414 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN086523.D
Acq: 06 May 2025 18:36

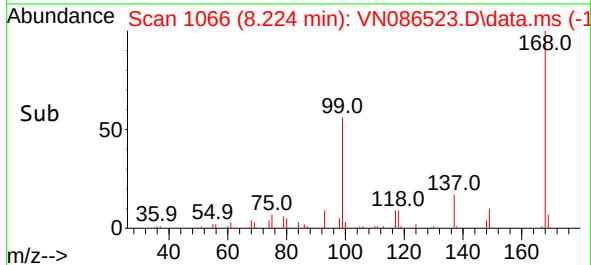
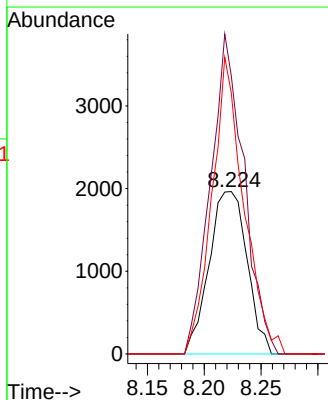
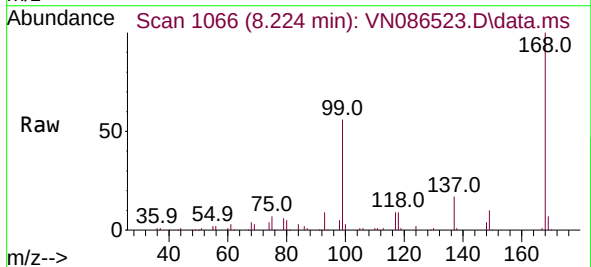
Instrument :
MSVOA_N
ClientSampleId :
IBLK

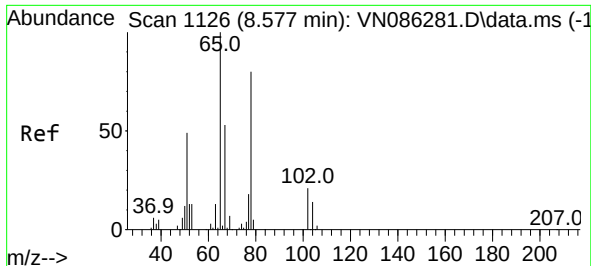
Tgt Ion: 43 Resp: 1630
Ion Ratio Lower Upper
43 100
74 0.0 19.8 29.6#



#31
Cyclohexane
Concen: 0.859 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN086523.D
Acq: 06 May 2025 18:36

Tgt Ion: 56 Resp: 4567
Ion Ratio Lower Upper
56 100
69 171.1 24.2 36.2#
84 160.6 70.3 105.5#





#33

1,2-Dichloroethane-d4

Concen: 45.348 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN086523.D

Acq: 06 May 2025 18:36

Instrument :

MSVOA_N

ClientSampleId :

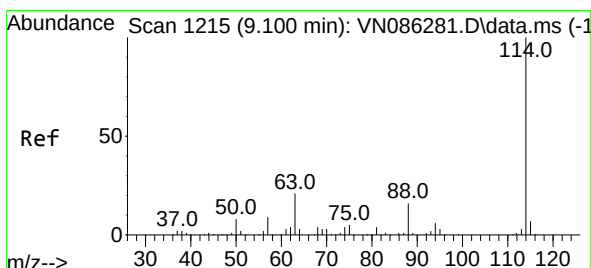
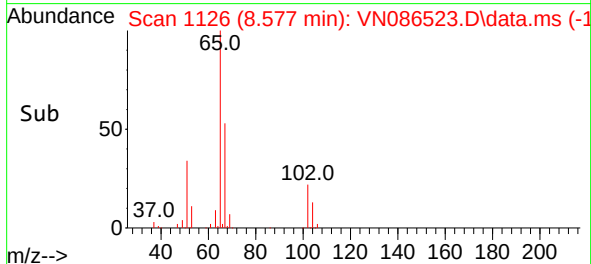
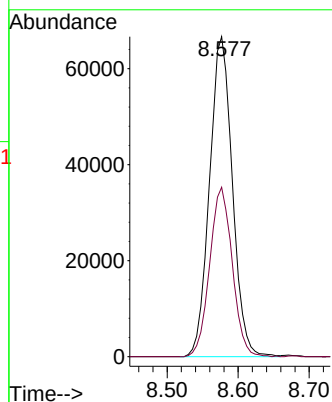
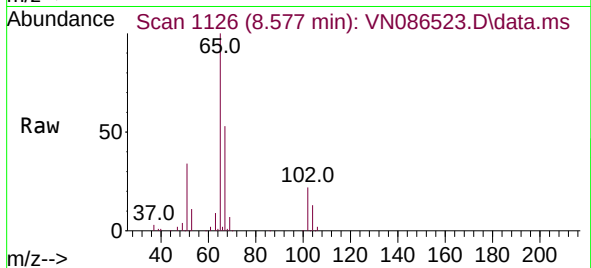
IBLK

Tgt Ion: 65 Resp: 148850

Ion Ratio Lower Upper

65 100

67 52.3 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: VN086523.D

Acq: 06 May 2025 18:36

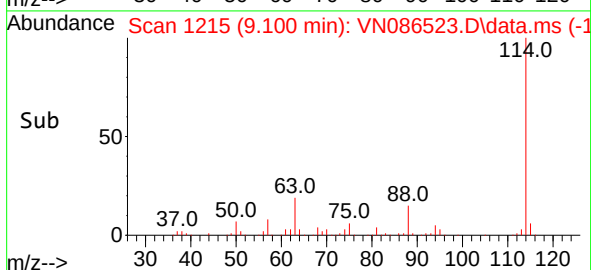
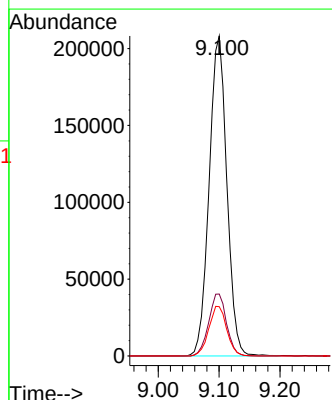
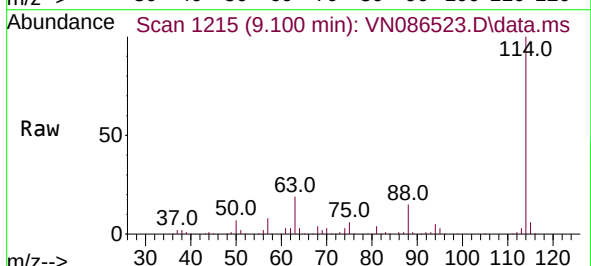
Tgt Ion: 114 Resp: 420673

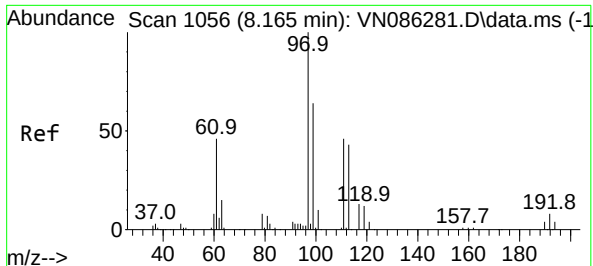
Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.6

88 15.4 0.0 31.8

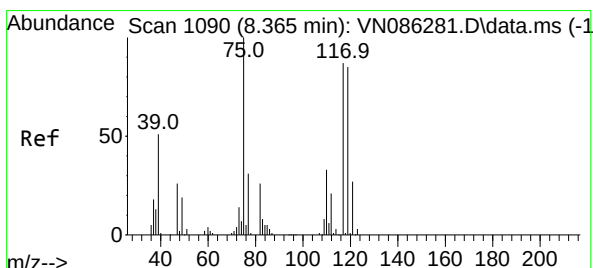
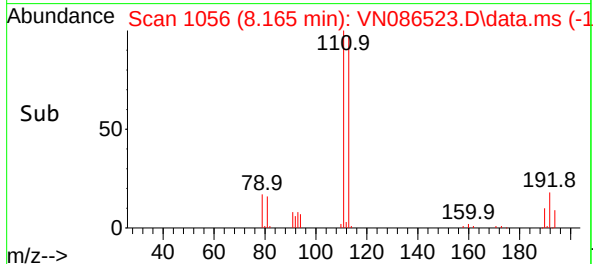
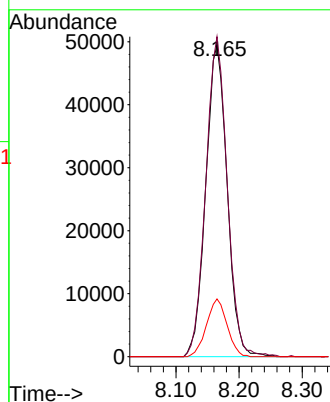
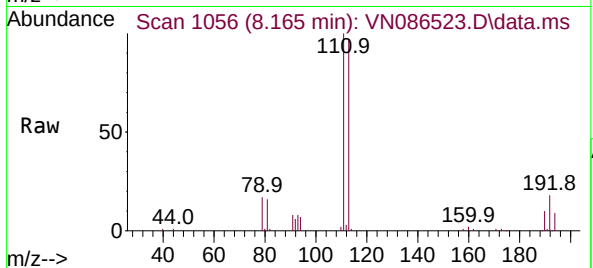




#35
Dibromofluoromethane
Concen: 59.618 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086523.D
Acq: 06 May 2025 18:36

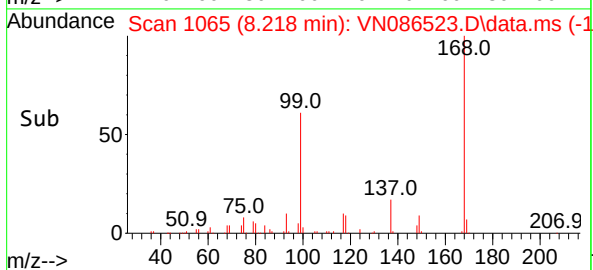
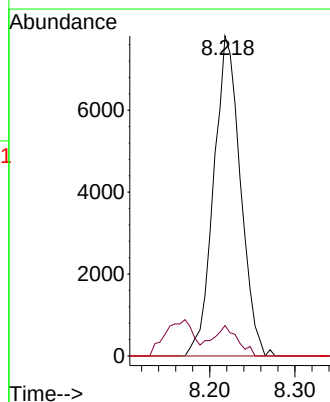
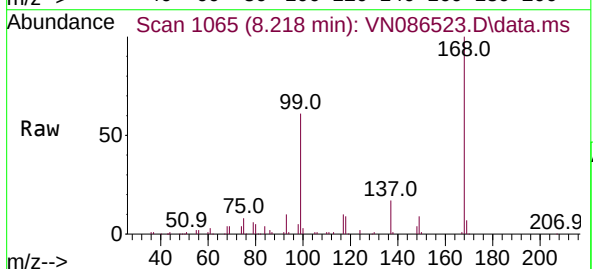
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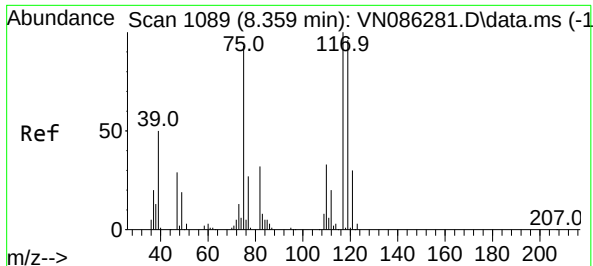
Tgt Ion:113 Resp: 116398
Ion Ratio Lower Upper
113 100
111 102.9 83.4 125.0
192 17.8 13.7 20.5



#36
1,1-Dichloropropene
Concen: 4.362 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN086523.D
Acq: 06 May 2025 18:36

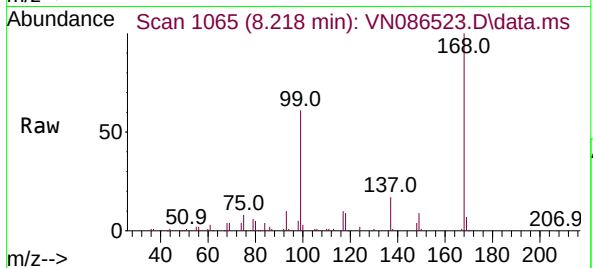
Tgt Ion: 75 Resp: 17009
Ion Ratio Lower Upper
75 100
110 7.4 16.8 50.4#
77 0.0 24.9 37.3#



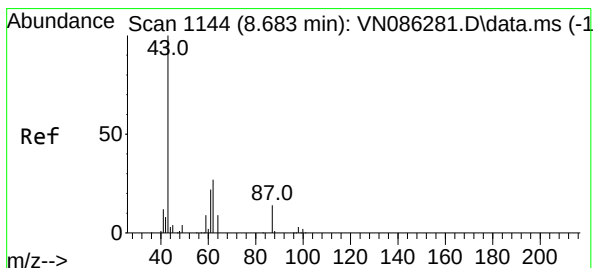
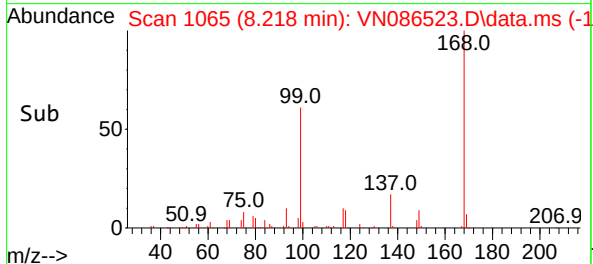
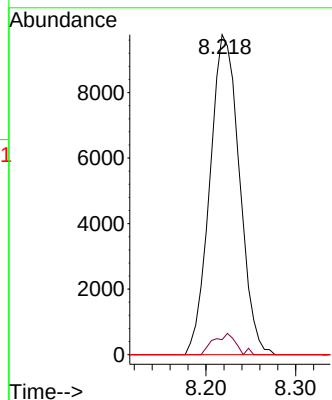


#38
Carbon Tetrachloride
Concen: 6.010 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN086523.D
Acq: 06 May 2025 18:36

Instrument :
MSVOA_N
ClientSampleId :
IBLK

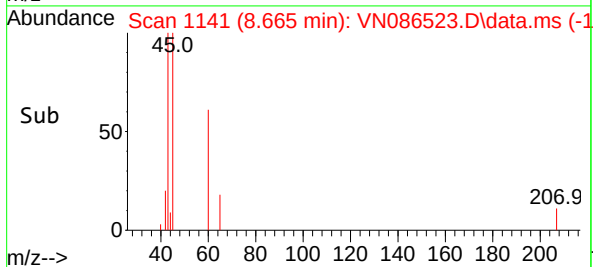
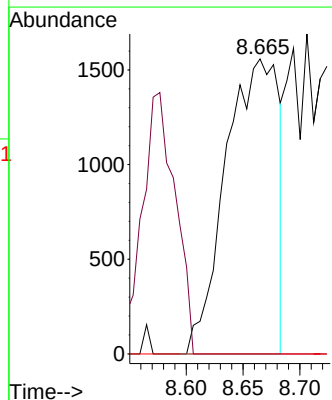
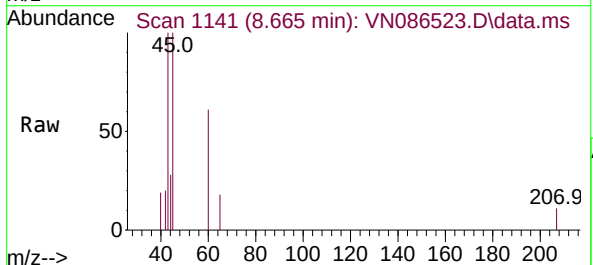


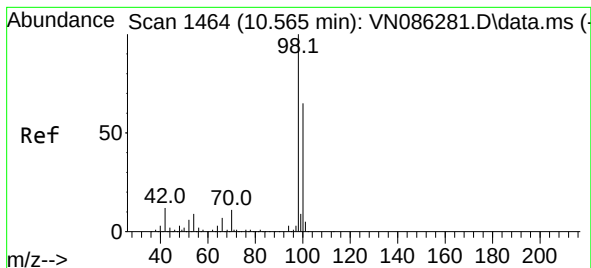
Tgt Ion:117 Resp: 22319
Ion Ratio Lower Upper
117 100
119 4.7 76.8 115.2#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.665 min Scan# 1141
Delta R.T. -0.018 min
Lab File: VN086523.D
Acq: 06 May 2025 18:36

Tgt Ion: 43 Resp: 5054
Ion Ratio Lower Upper
43 100
61 0.0 20.5 30.7#
87 0.0 10.5 15.7#

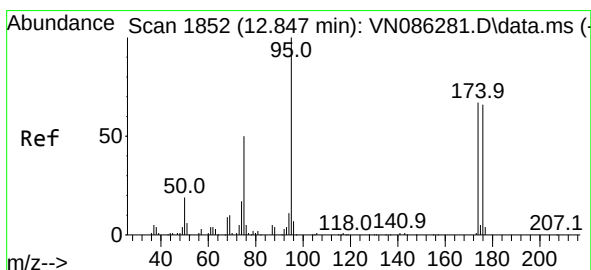
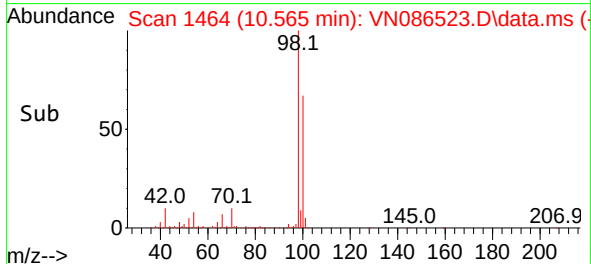
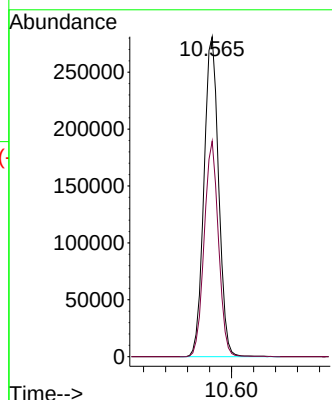
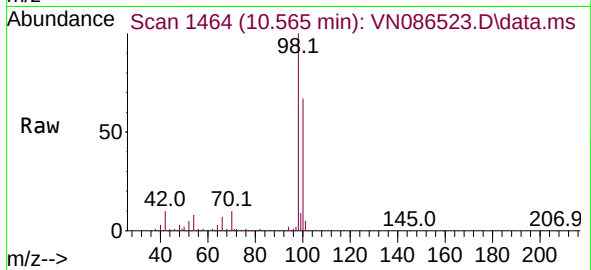




#50
Toluene-d8
Concen: 49.883 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086523.D
Acq: 06 May 2025 18:36

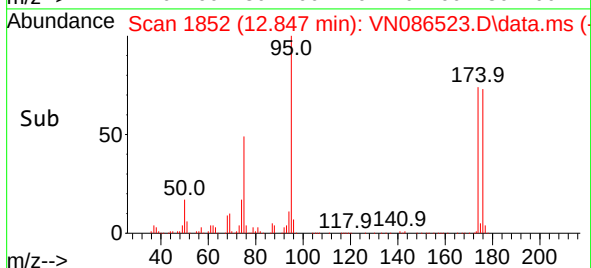
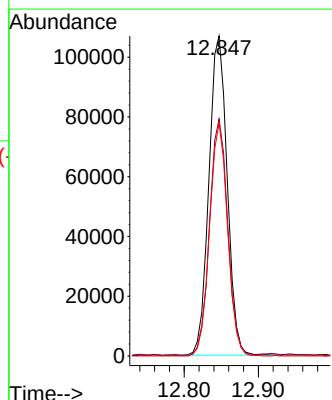
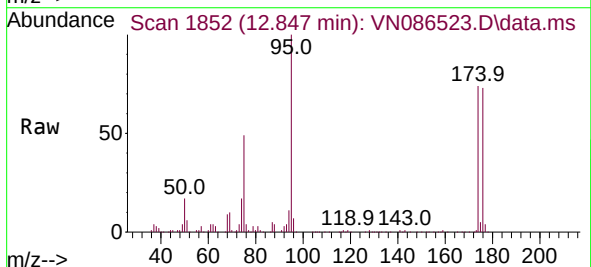
Instrument :
MSVOA_N
ClientSampleId :
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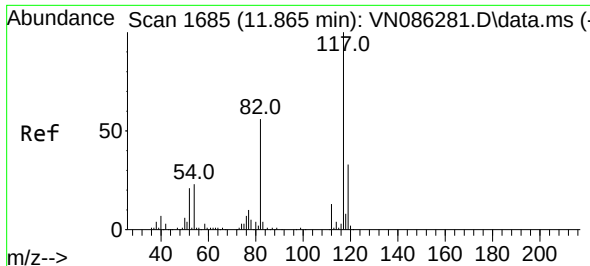
Tgt Ion: 98 Resp: 520510
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 47.977 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086523.D
Acq: 06 May 2025 18:36

Tgt Ion: 95 Resp: 182597
Ion Ratio Lower Upper
95 100
174 73.7 0.0 133.4
176 72.0 0.0 129.2

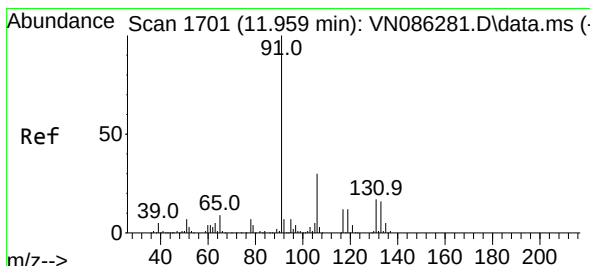
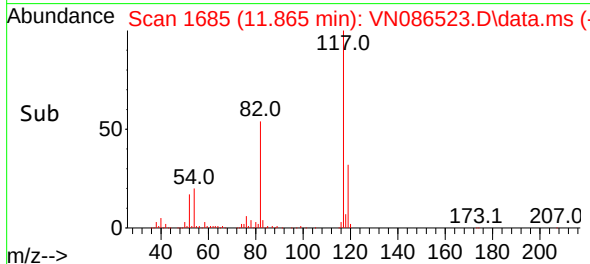
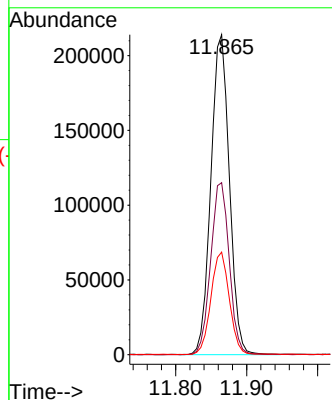
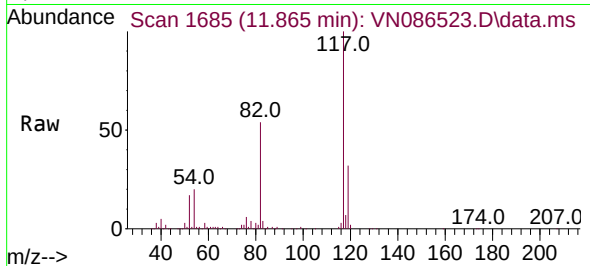




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN086523.D
Acq: 06 May 2025 18:36

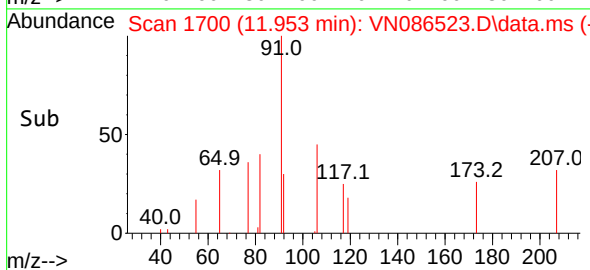
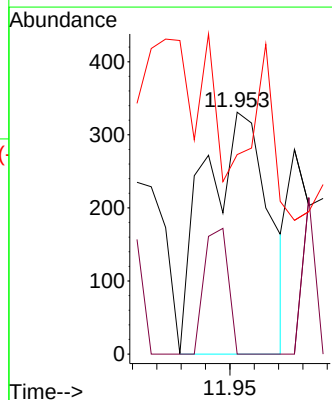
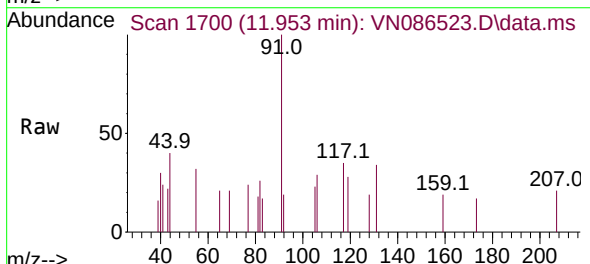
Instrument :
MSVOA_N
ClientSampleId :
IBLK

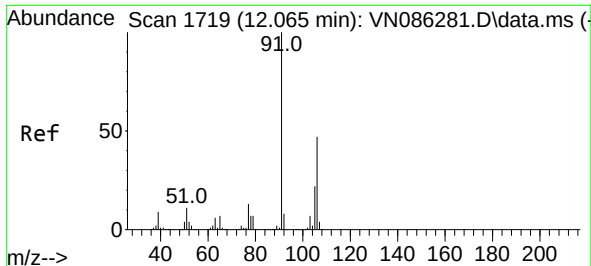
Tgt Ion:117 Resp: 386634
Ion Ratio Lower Upper
117 100
82 53.7 44.7 67.1
119 32.0 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 0.213 ug/l
RT: 11.953 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VN086523.D
Acq: 06 May 2025 18:36

Tgt Ion:131 Resp: 607
Ion Ratio Lower Upper
131 100
133 19.4 47.1 141.3#
119 0.0 33.8 101.4#

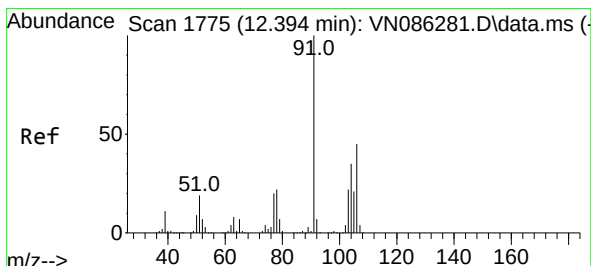
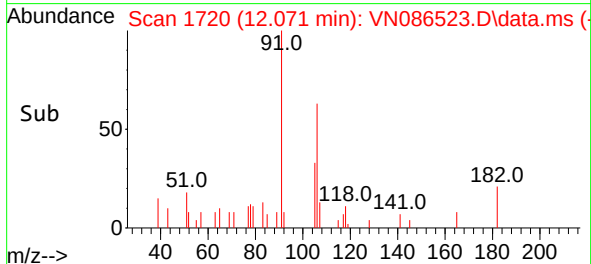
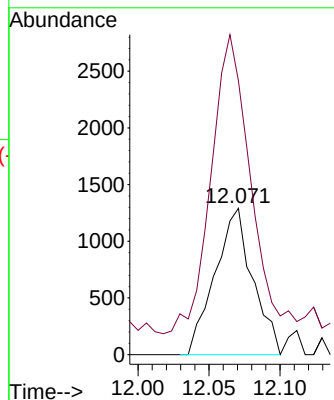
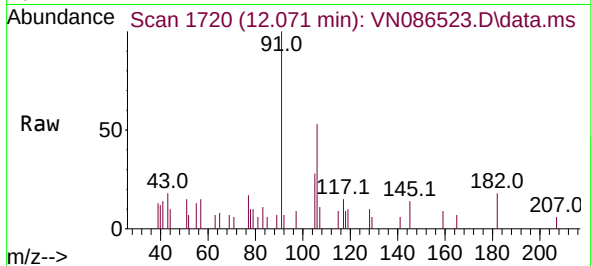




#68
m/p-Xylenes
Concen: 0.408 ug/l
RT: 12.071 min Scan# 1719
Delta R.T. 0.006 min
Lab File: VN086523.D
Acq: 06 May 2025 18:36

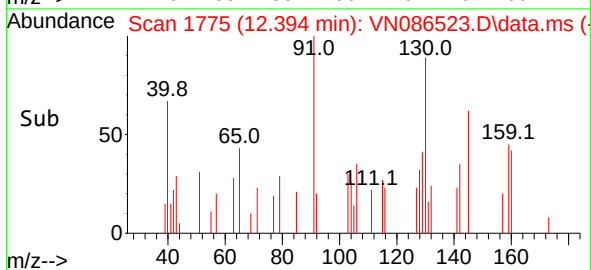
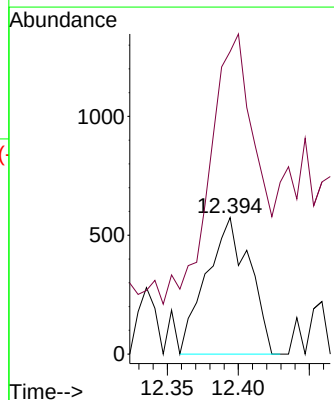
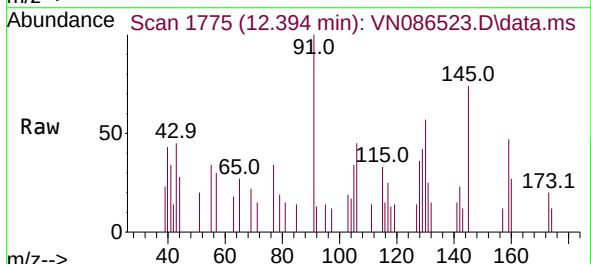
Instrument :
MSVOA_N
ClientSampleId :
IBLK

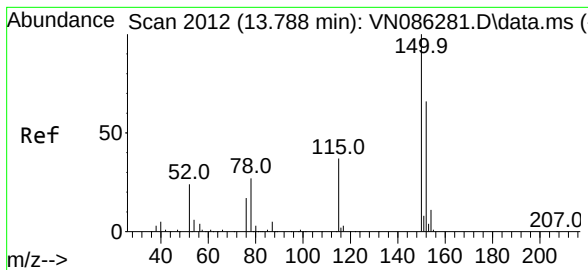
Tgt Ion:106 Resp: 2381
Ion Ratio Lower Upper
106 100
91 213.1 166.5 249.7



#69
o-Xylene
Concen: 0.210 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN086523.D
Acq: 06 May 2025 18:36

Tgt Ion:106 Resp: 1210
Ion Ratio Lower Upper
106 100
91 211.0 109.7 329.0

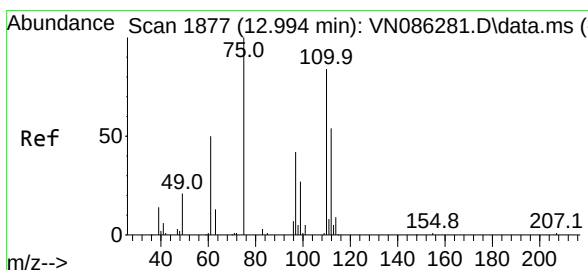
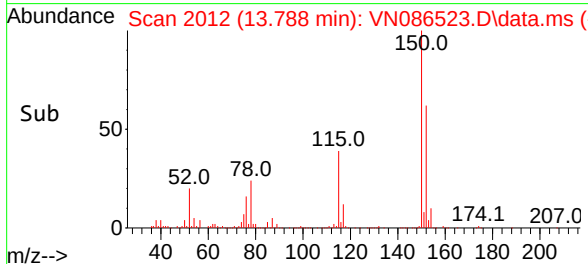
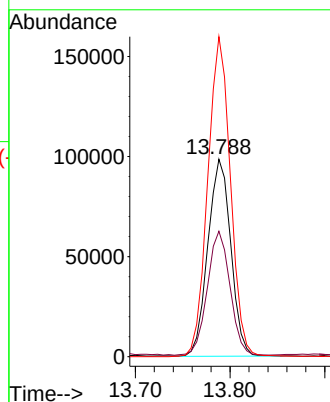
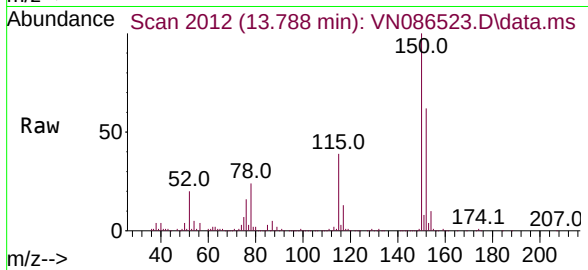




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: VN086523.D
 Acq: 06 May 2025 18:36

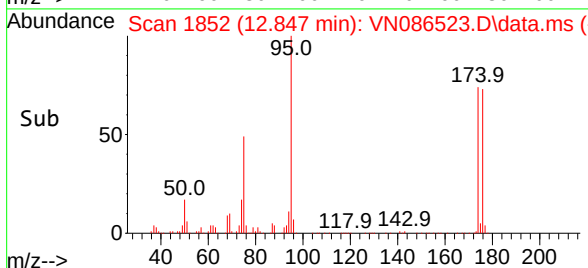
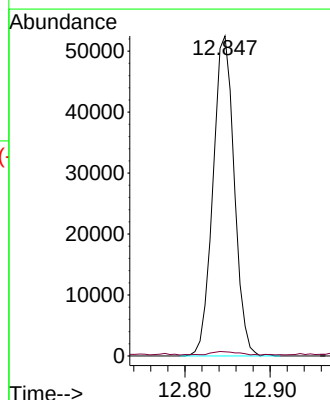
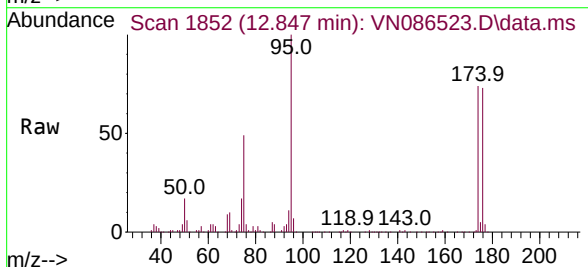
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

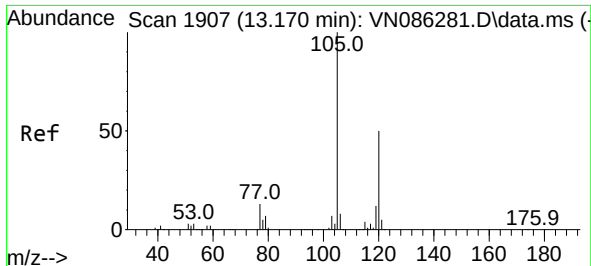
Tgt Ion:152 Resp: 165616
 Ion Ratio Lower Upper
 152 100
 115 62.1 31.9 95.9
 150 160.7 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 23.266 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN086523.D
 Acq: 06 May 2025 18:36

Tgt Ion: 75 Resp: 90929
 Ion Ratio Lower Upper
 75 100
 77 1.3 98.8 296.4#

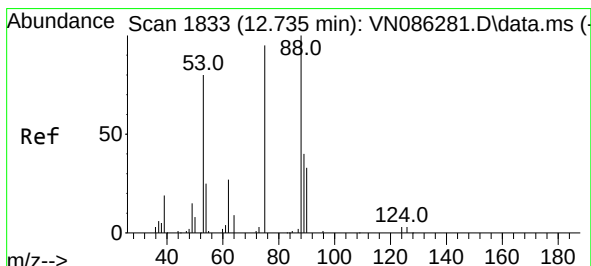
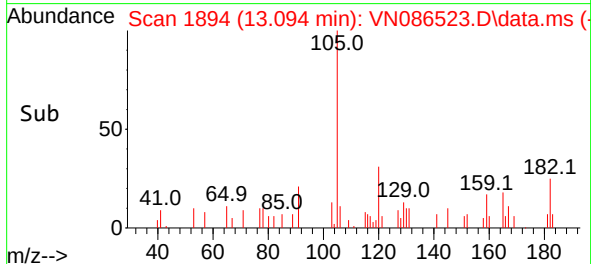
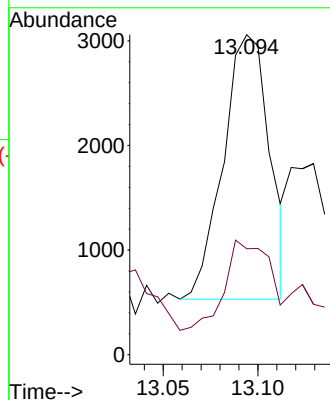
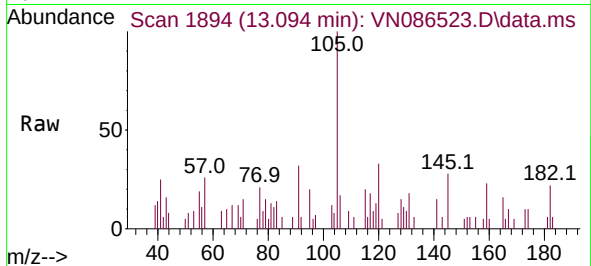




#80
1,3,5-Trimethylbenzene
Concen: 0.387 ug/l
RT: 13.094 min Scan# 11
Delta R.T. -0.076 min
Lab File: VN086523.D
Acq: 06 May 2025 18:36

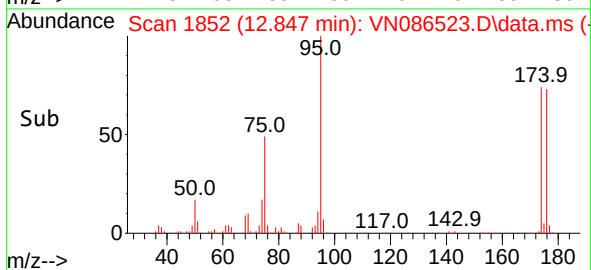
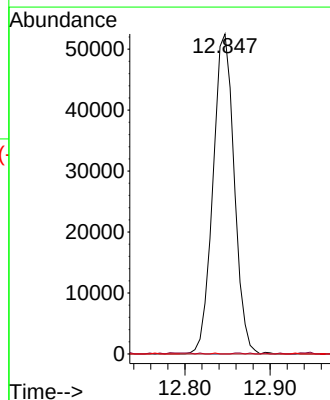
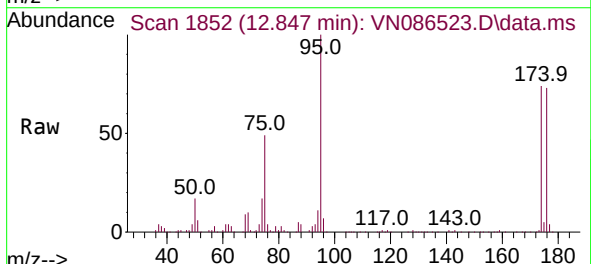
Instrument :
MSVOA_N
ClientSampleId :
IBLK

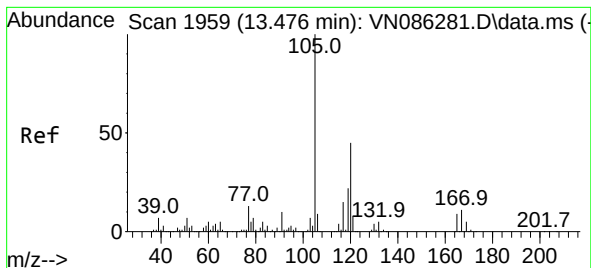
Tgt Ion:105 Resp: 4294
Ion Ratio Lower Upper
105 100
120 33.5 24.5 73.5



#81
trans-1,4-Dichloro-2-butene
Concen: 55.876 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086523.D
Acq: 06 May 2025 18:36

Tgt Ion: 75 Resp: 90929
Ion Ratio Lower Upper
75 100
53 0.2 79.2 118.8#
89 0.0 35.7 53.5#





#84

1,2,4-Trimethylbenzene

Concen: 0.632 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. 0.000 min

Lab File: VN086523.D

Acq: 06 May 2025 18:36

Instrument :

MSVOA_N

ClientSampleId :

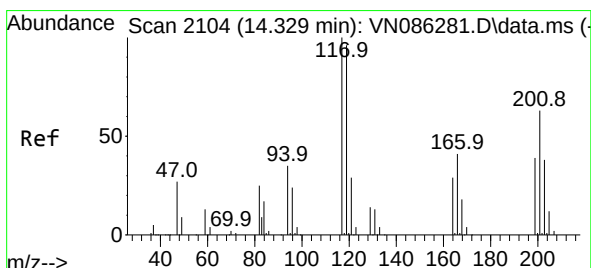
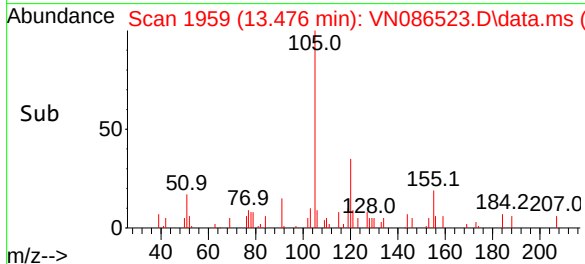
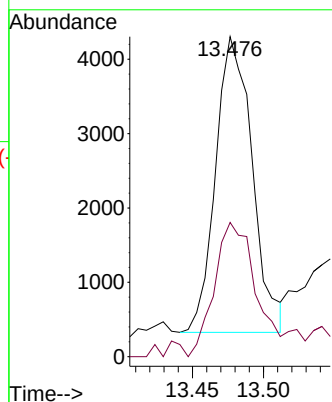
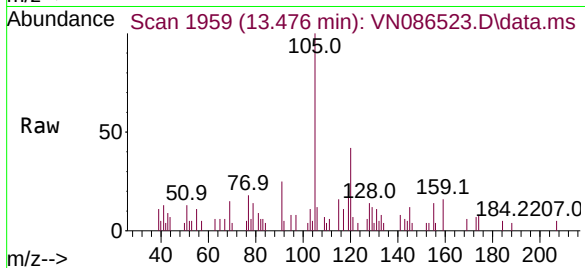
IBLK

Tgt Ion:105 Resp: 7129

Ion Ratio Lower Upper

105 100

120 55.4 22.4 67.3



#90

Hexachloroethane

Concen: 0.385 ug/l

RT: 14.347 min Scan# 2107

Delta R.T. 0.018 min

Lab File: VN086523.D

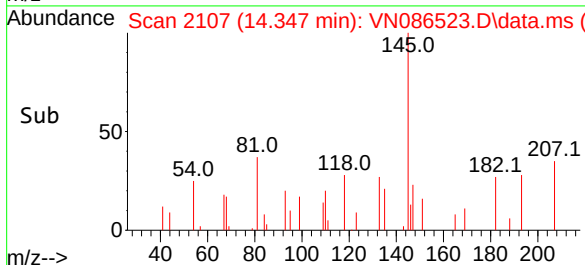
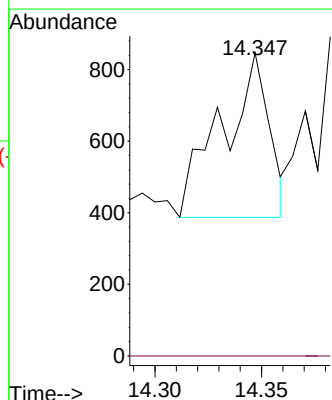
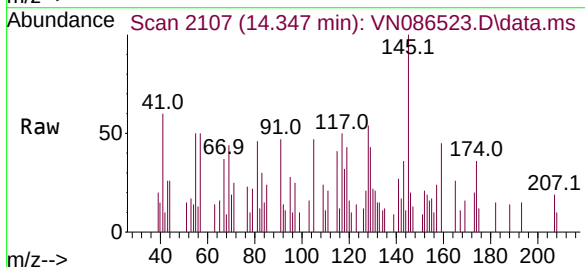
Acq: 06 May 2025 18:36

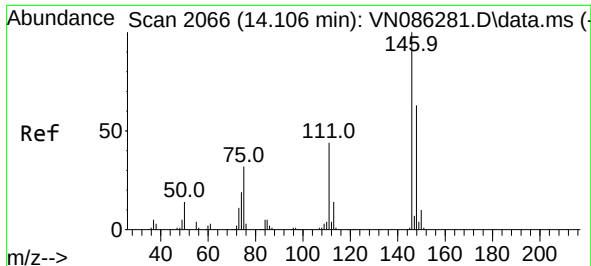
Tgt Ion:117 Resp: 711

Ion Ratio Lower Upper

117 100

201 0.0 31.4 94.2#





#91

1,2-Dichlorobenzene

Concen: 0.246 ug/l

RT: 14.129 min Scan# 2066

Delta R.T. 0.024 min

Lab File: VN086523.D

Acq: 06 May 2025 18:36

Instrument :

MSVOA_N

ClientSampleId :

IBLK

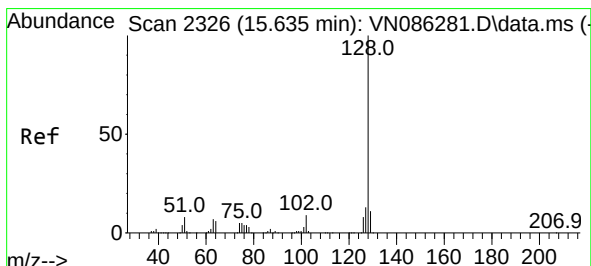
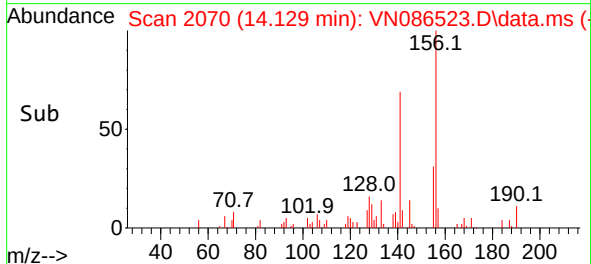
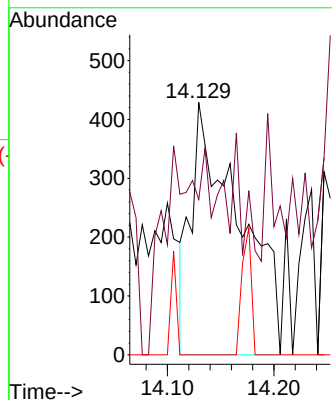
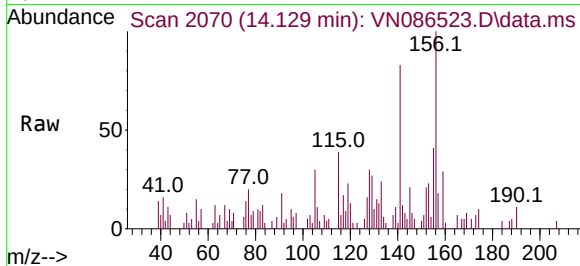
Tgt Ion:146 Resp: 1346

Ion Ratio Lower Upper

146 100

111 0.0 22.4 67.0#

148 0.0 31.8 95.4#



#95

Naphthalene

Concen: 1.116 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. 0.000 min

Lab File: VN086523.D

Acq: 06 May 2025 18:36

Tgt Ion:128 Resp: 10368

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 48.0 8.6 13.0#

