

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090825\
 Data File : VN087761.D
 Acq On : 08 Sep 2025 15:46
 Operator : JC\MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK

Quant Time: Sep 09 02:30:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	150700	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	353237	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	332957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	150775	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	169169	54.789	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	109.580%
35) Dibromofluoromethane	8.147	113	127229	49.887	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.780%
50) Toluene-d8	10.547	98	452264	47.380	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.760%
62) 4-Bromofluorobenzene	12.829	95	151693	44.685	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	89.380%

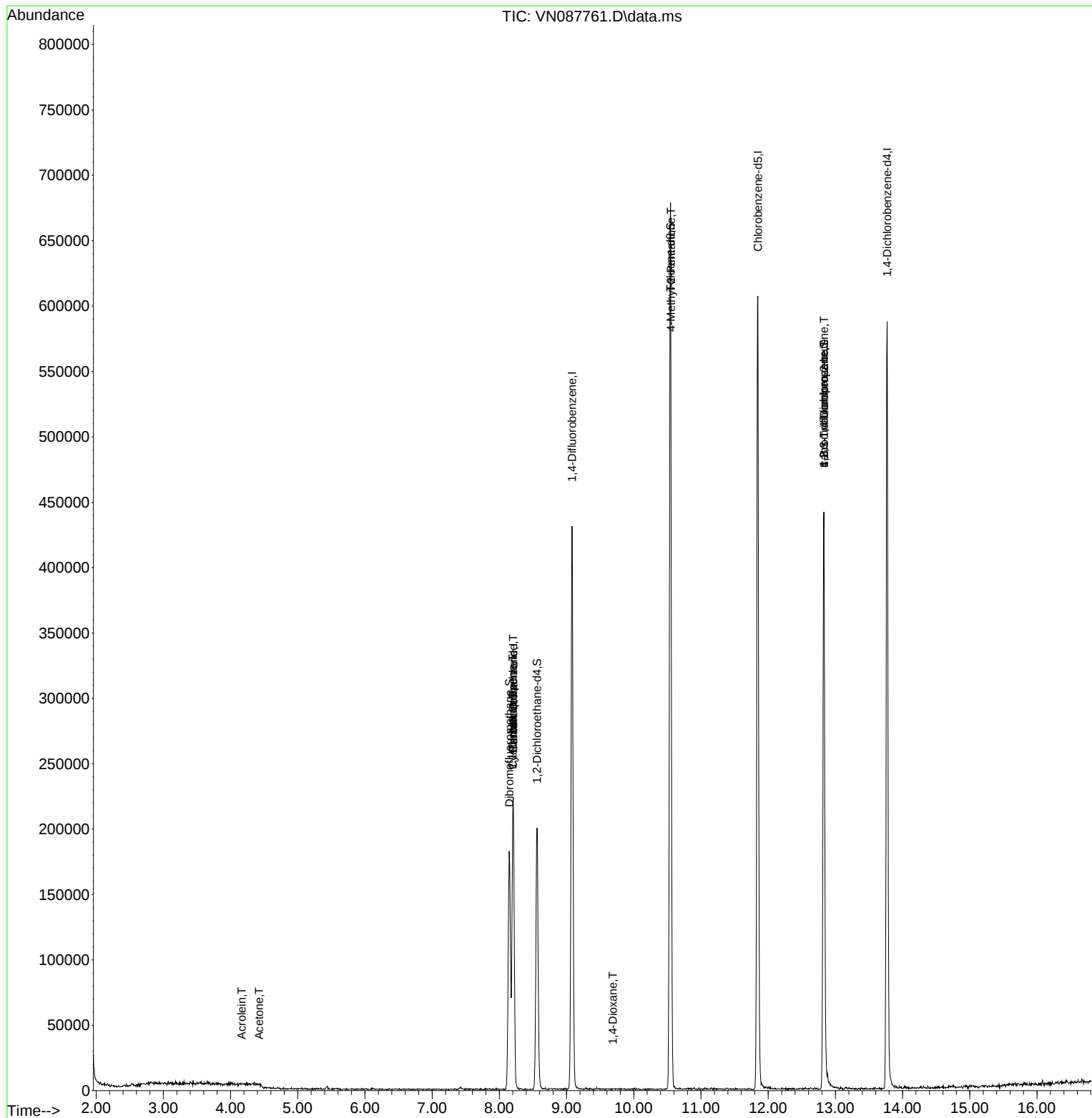
Target Compounds					Qvalue	
13) Acrolein	4.165	56	174	0.264	ug/l #	33
16) Acetone	4.424	43	764	0.455	ug/l #	59
20) Methylene Chloride	5.259	84	117	Below Cal	#	5
31) Cyclohexane	8.200	56	4401	1.133	ug/l #	44
36) 1,1-Dichloropropene	8.200	75	14180	3.624	ug/l #	43
38) Carbon Tetrachloride	8.206	117	16961	4.391	ug/l #	13
49) 1,4-Dioxane	9.688	88	79	1.544	ug/l #	13
51) 4-Methyl-2-Pentanone	10.553	43	2807	0.557	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	91600	25.907	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	91600	68.585	ug/l #	1

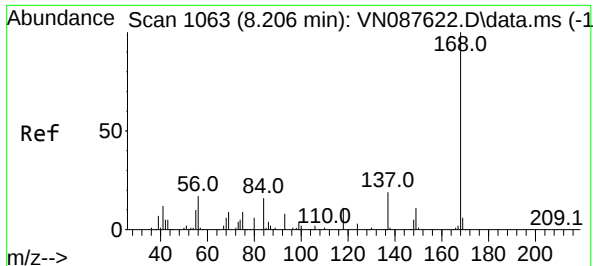
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

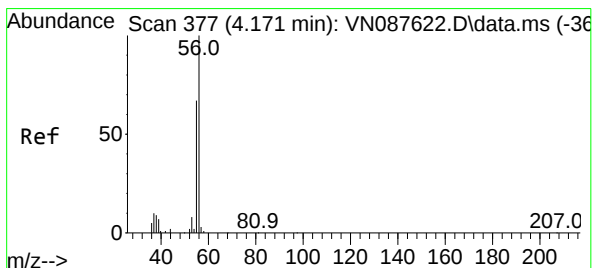
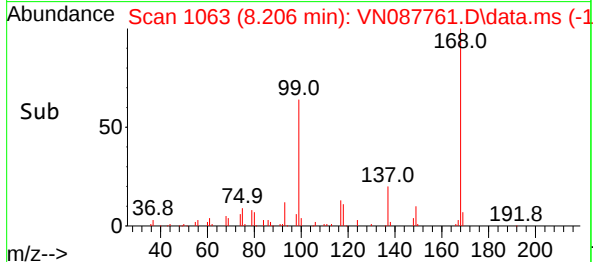
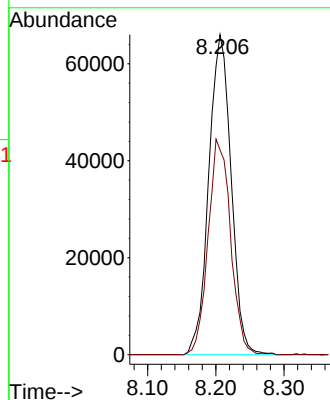
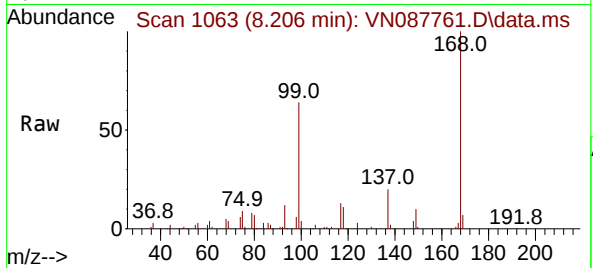




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087761.D
Acq: 08 Sep 2025 15:46

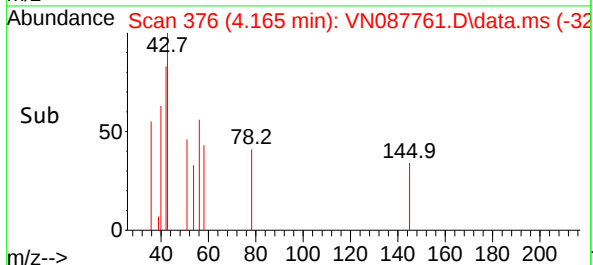
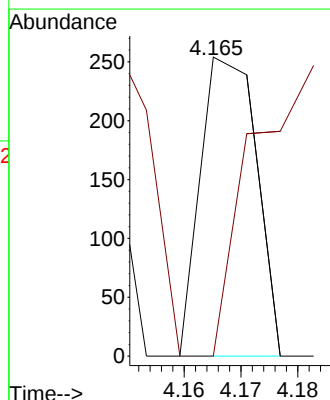
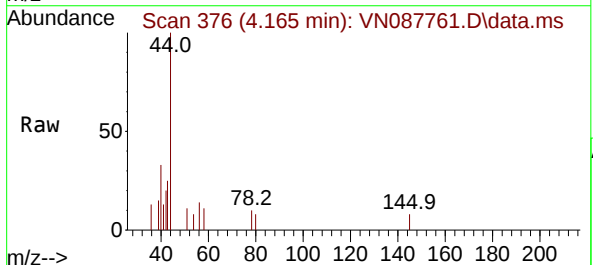
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

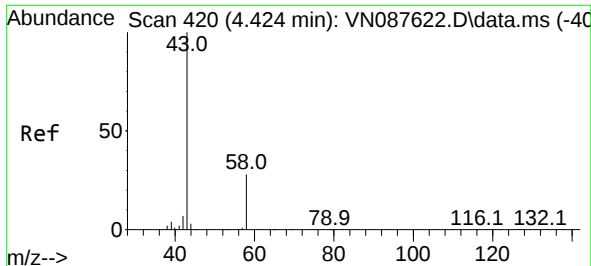
Tgt Ion:168 Resp: 150700
Ion Ratio Lower Upper
168 100
99 64.0 57.2 85.8



#13
Acrolein
Concen: 0.264 ug/l
RT: 4.165 min Scan# 376
Delta R.T. -0.006 min
Lab File: VN087761.D
Acq: 08 Sep 2025 15:46

Tgt Ion: 56 Resp: 174
Ion Ratio Lower Upper
56 100
55 127.0 57.3 85.9#

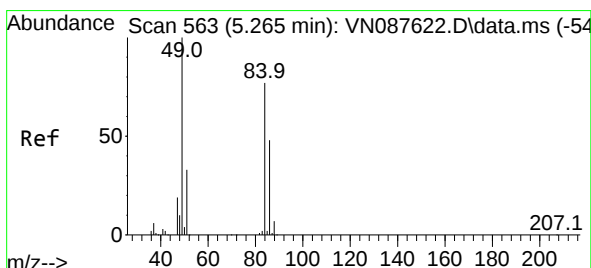
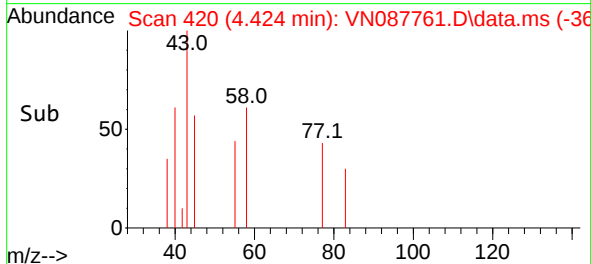
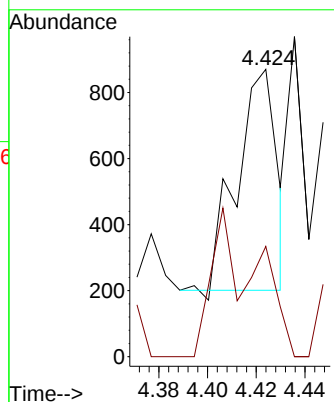
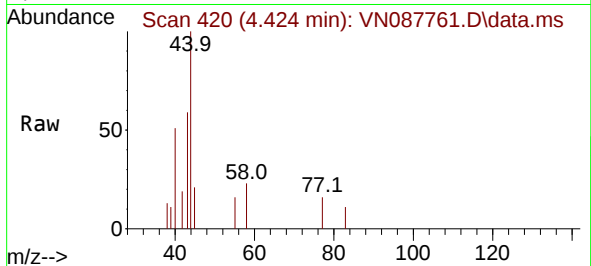




#16
Acetone
Concen: 0.455 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN087761.D
Acq: 08 Sep 2025 15:46

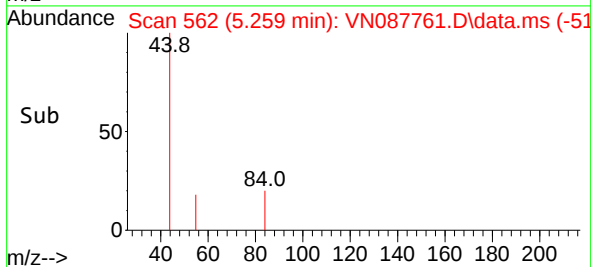
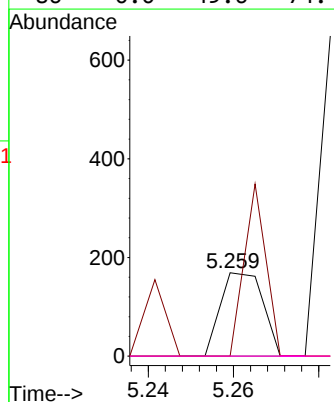
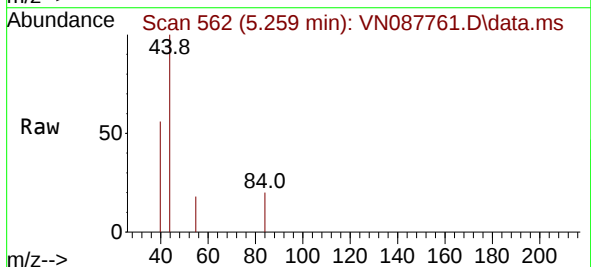
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

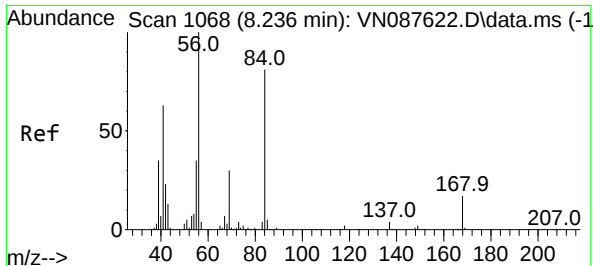
Tgt Ion: 43 Resp: 764
Ion Ratio Lower Upper
43 100
58 49.9 22.6 33.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.259 min Scan# 562
Delta R.T. -0.006 min
Lab File: VN087761.D
Acq: 08 Sep 2025 15:46

Tgt Ion: 84 Resp: 117
Ion Ratio Lower Upper
84 100
49 0.0 103.4 155.2#
51 0.0 33.8 50.8#
86 0.0 49.6 74.4#

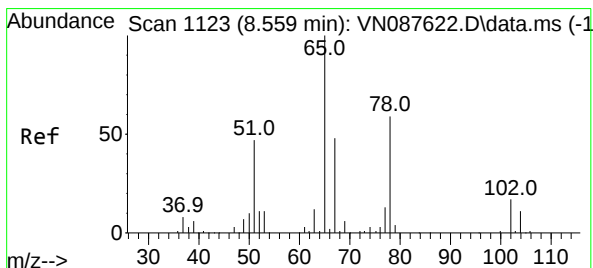
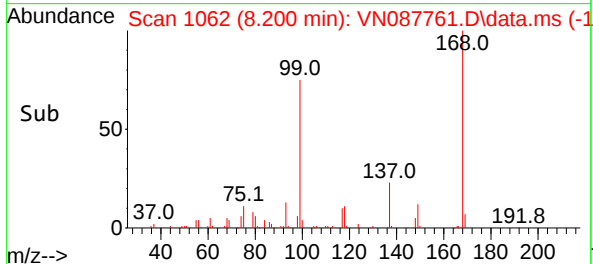
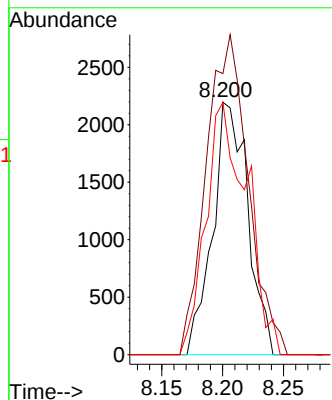
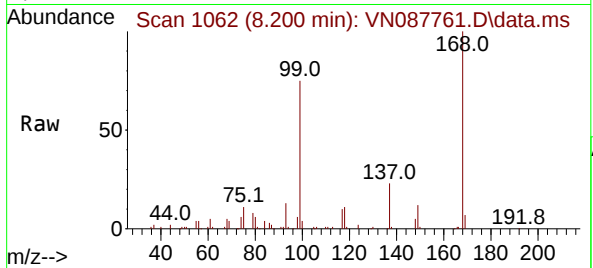




#31
Cyclohexane
Concen: 1.133 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.035 min
Lab File: VN087761.D
Acq: 08 Sep 2025 15:46

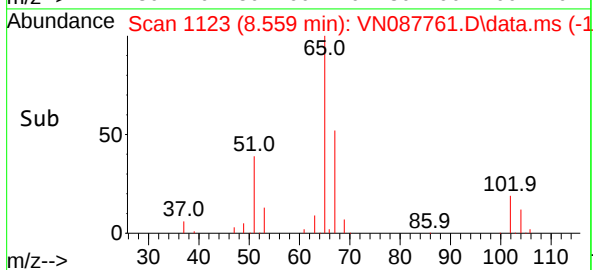
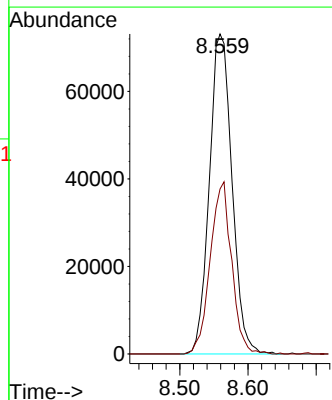
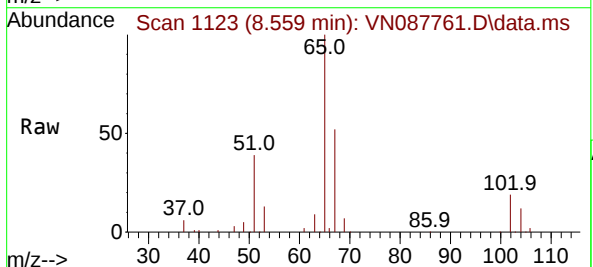
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

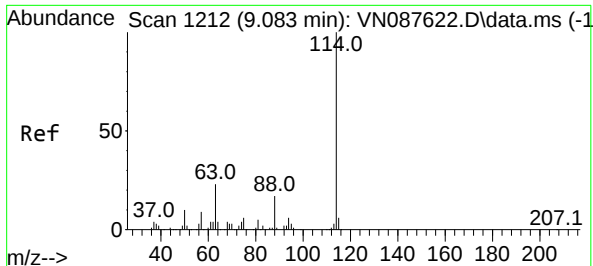
Tgt Ion: 56 Resp: 4401
Ion Ratio Lower Upper
56 100
69 111.3 23.7 35.5#
84 99.9 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 54.789 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087761.D
Acq: 08 Sep 2025 15:46

Tgt Ion: 65 Resp: 169169
Ion Ratio Lower Upper
65 100
67 50.8 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087761.D

Acq: 08 Sep 2025 15:46

Instrument :

MSVOA_N

ClientSampleId :

VIBLK

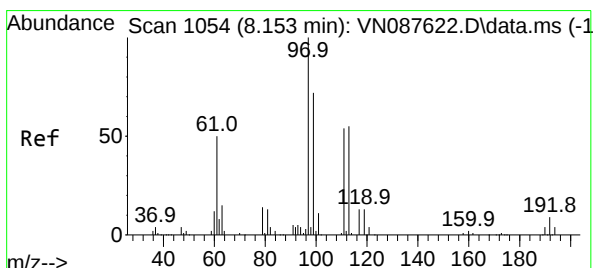
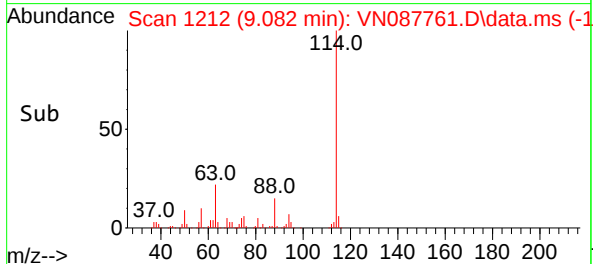
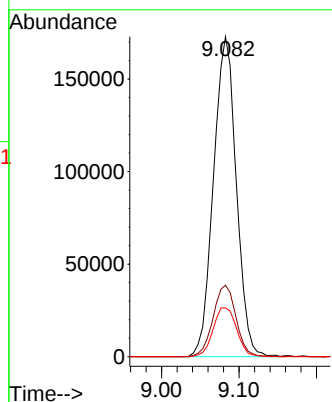
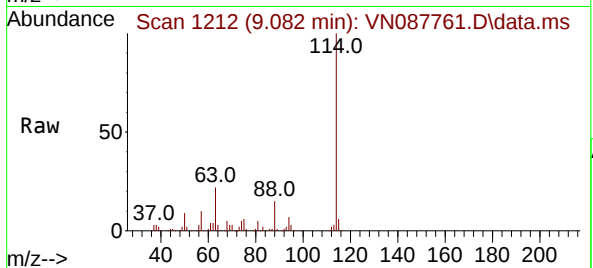
Tgt Ion:114 Resp: 353237

Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.2

88 15.2 0.0 33.4



#35

Dibromofluoromethane

Concen: 49.887 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087761.D

Acq: 08 Sep 2025 15:46

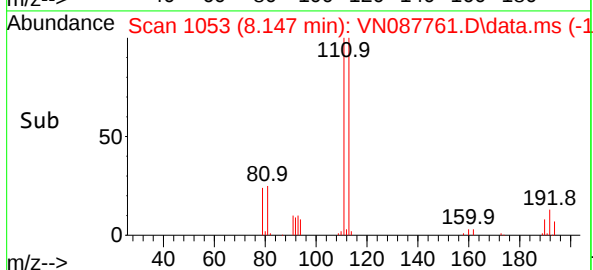
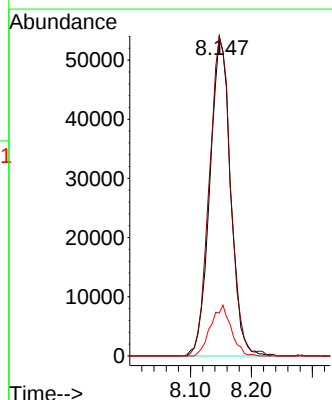
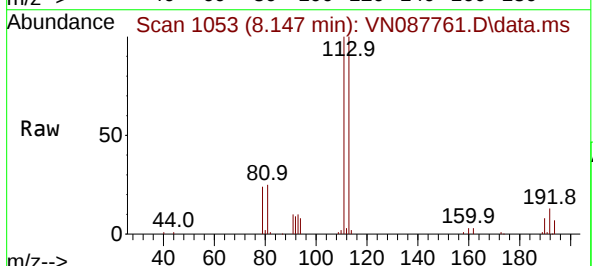
Tgt Ion:113 Resp: 127229

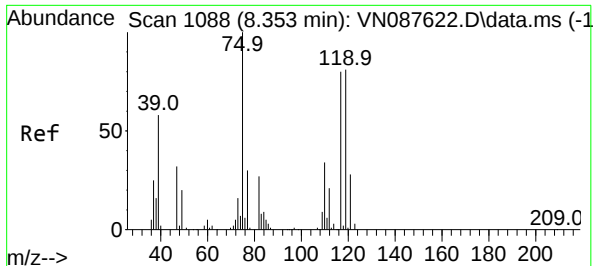
Ion Ratio Lower Upper

113 100

111 103.0 82.8 124.2

192 15.8 12.8 19.2





#36

1,1-Dichloropropene

Concen: 3.624 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.153 min

Lab File: VN087761.D

Acq: 08 Sep 2025 15:46

Instrument :

MSVOA_N

ClientSampleId :

VIBLK

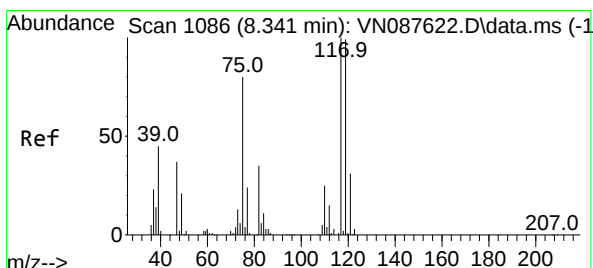
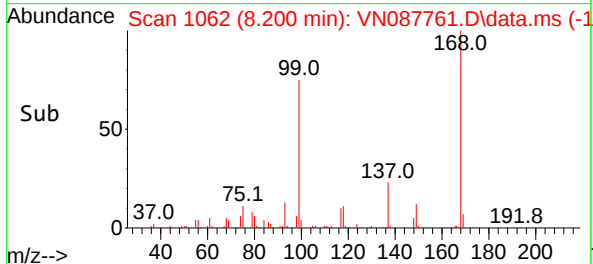
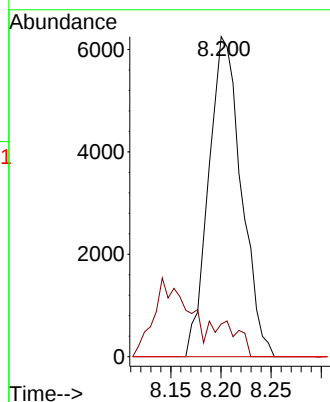
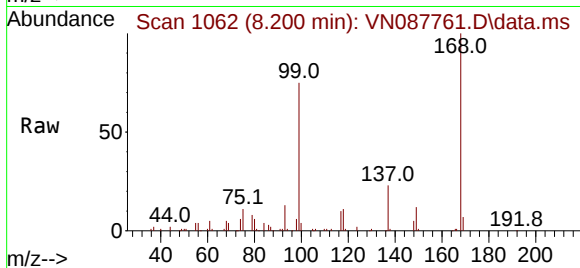
Tgt Ion: 75 Resp: 14180

Ion Ratio Lower Upper

75 100

110 0.0 15.9 47.6#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.391 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.135 min

Lab File: VN087761.D

Acq: 08 Sep 2025 15:46

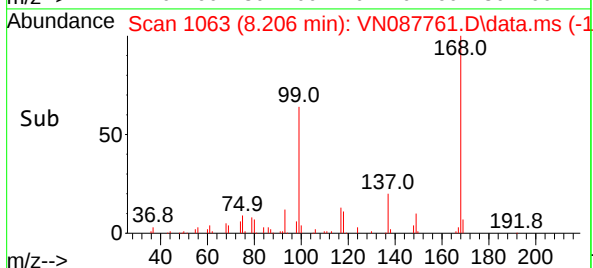
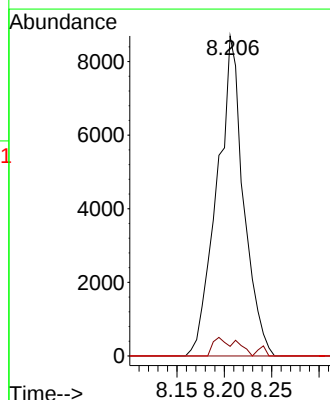
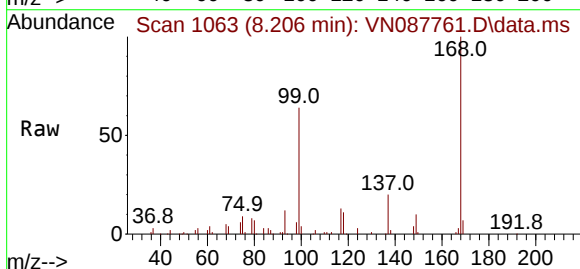
Tgt Ion: 117 Resp: 16961

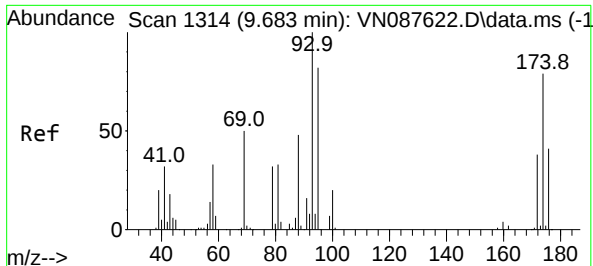
Ion Ratio Lower Upper

117 100

119 3.0 79.0 118.6#

121 0.0 25.0 37.6#





#49

1,4-Dioxane

Concen: 1.544 ug/l

RT: 9.688 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN087761.D

Acq: 08 Sep 2025 15:46

Instrument :

MSVOA_N

ClientSampleId :

VIBLK

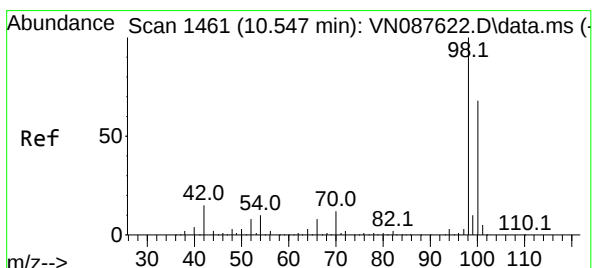
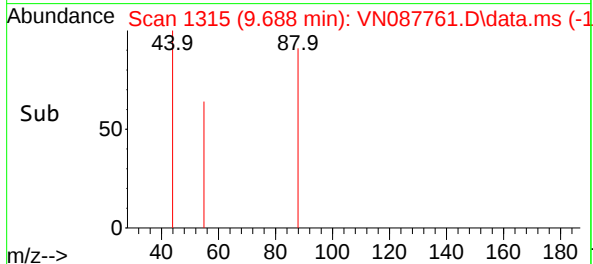
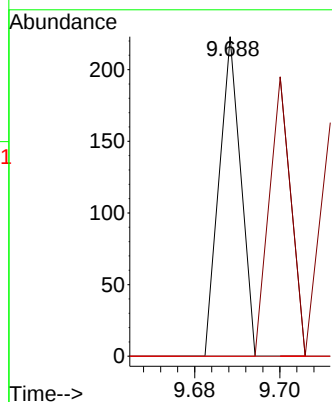
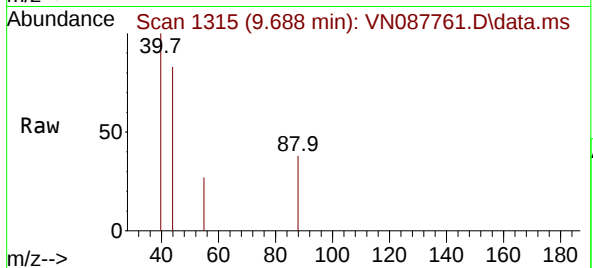
Tgt Ion: 88 Resp: 79

Ion Ratio Lower Upper

88 100

43 87.3 0.0 0.0#

58 0.0 57.9 86.9#



#50

Toluene-d8

Concen: 47.380 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. -0.000 min

Lab File: VN087761.D

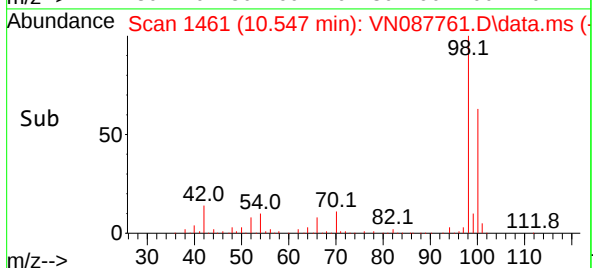
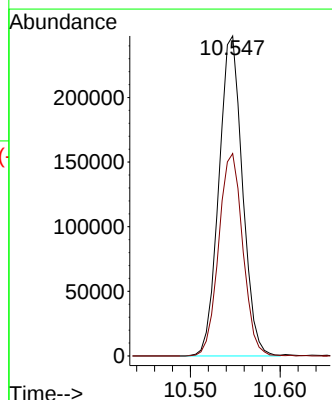
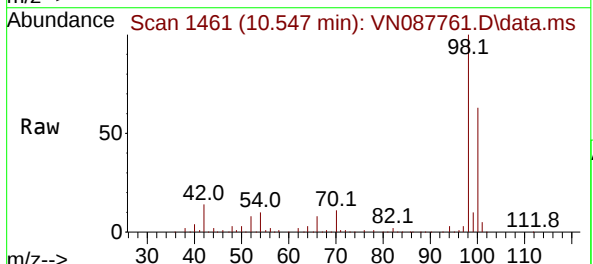
Acq: 08 Sep 2025 15:46

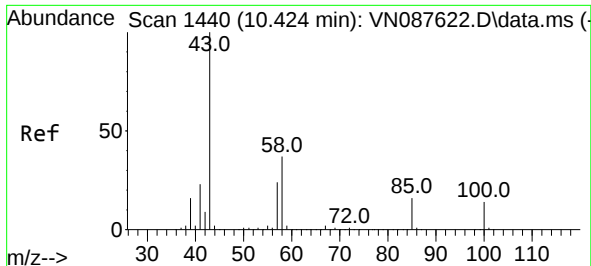
Tgt Ion: 98 Resp: 452264

Ion Ratio Lower Upper

98 100

100 64.6 52.8 79.2

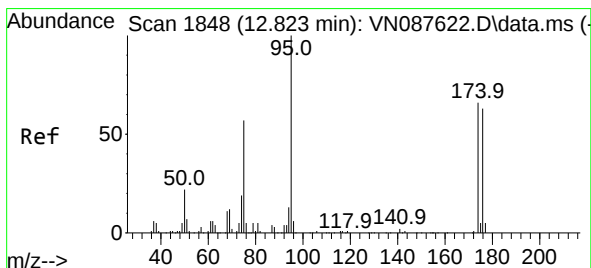
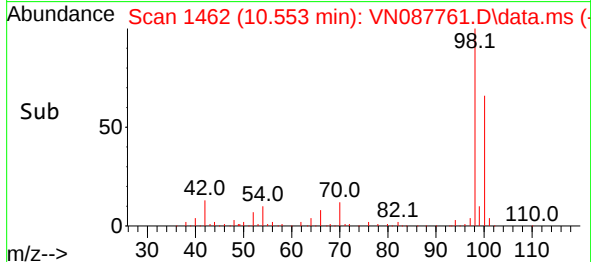
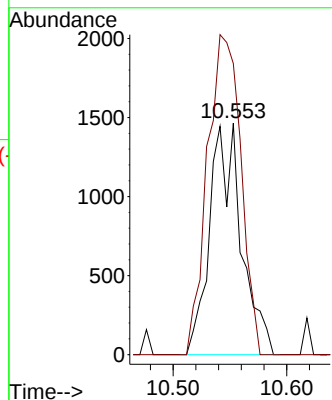
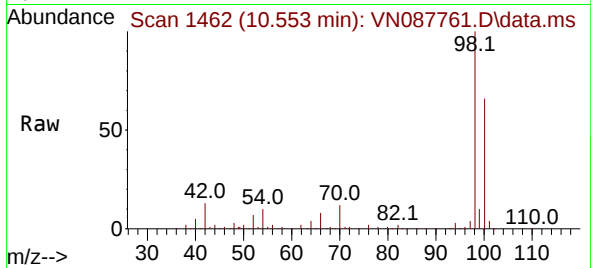




#51
4-Methyl-2-Pentanone
Concen: 0.557 ug/l
RT: 10.553 min Scan# 1440
Delta R.T. 0.129 min
Lab File: VN087761.D
Acq: 08 Sep 2025 15:46

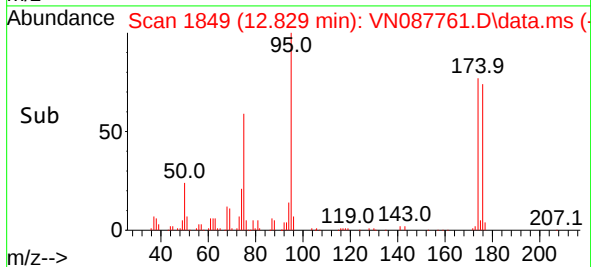
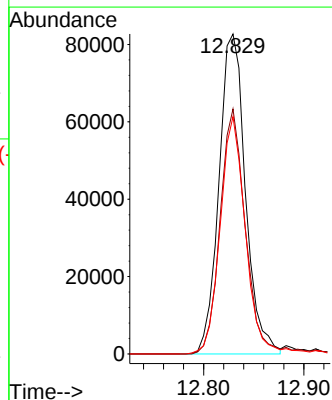
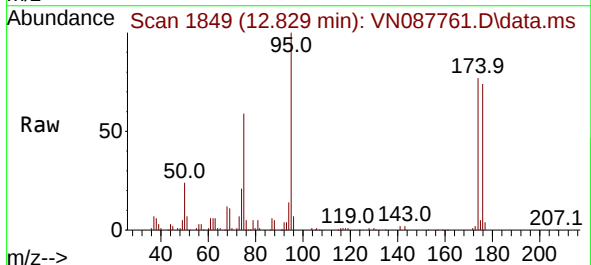
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

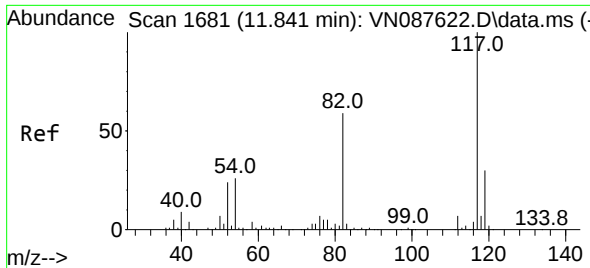
Tgt Ion: 43 Resp: 2807
Ion Ratio Lower Upper
43 100
58 147.8 29.6 44.4#



#62
4-Bromofluorobenzene
Concen: 44.685 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087761.D
Acq: 08 Sep 2025 15:46

Tgt Ion: 95 Resp: 151693
Ion Ratio Lower Upper
95 100
174 74.5 0.0 138.4
176 71.0 0.0 132.6

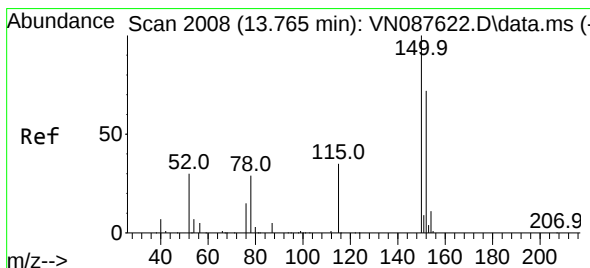
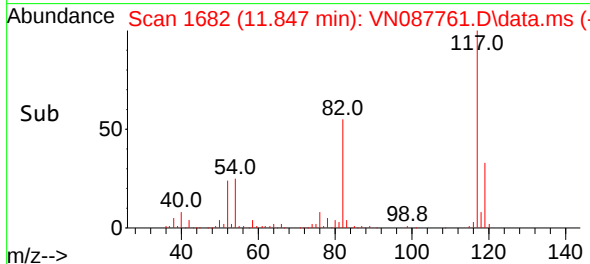
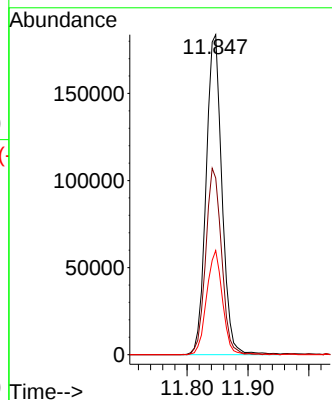
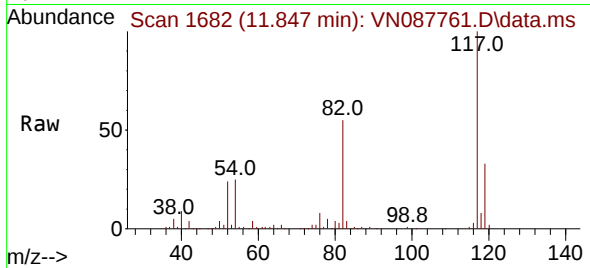




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087761.D
Acq: 08 Sep 2025 15:46

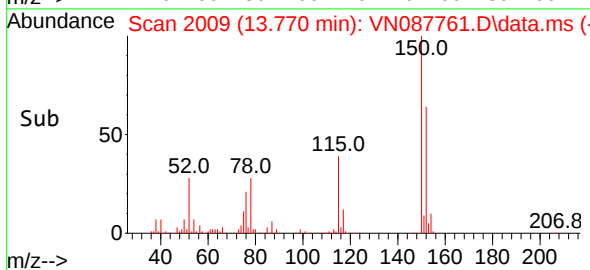
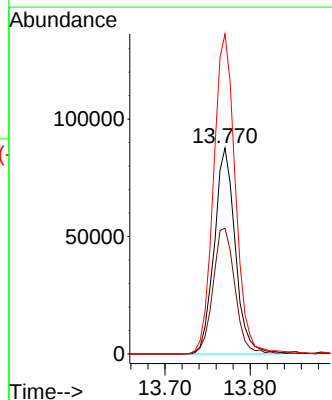
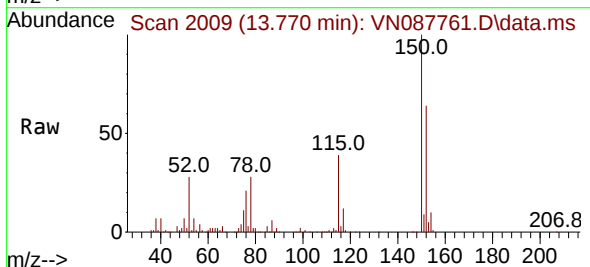
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

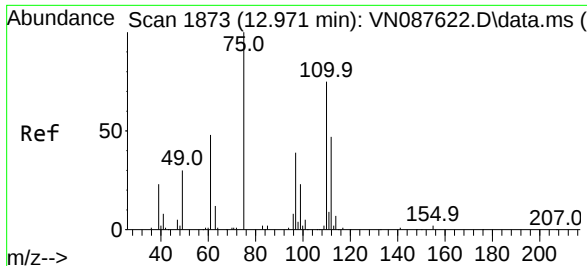
Tgt Ion:117 Resp: 332957
Ion Ratio Lower Upper
117 100
82 55.2 47.4 71.2
119 32.6 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087761.D
Acq: 08 Sep 2025 15:46

Tgt Ion:152 Resp: 150775
Ion Ratio Lower Upper
152 100
115 63.6 32.3 96.8
150 161.6 0.0 351.0

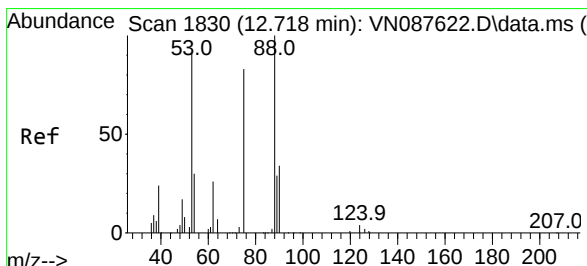
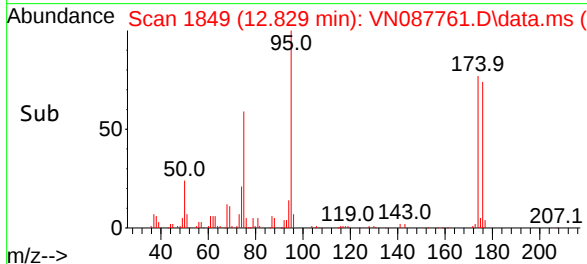
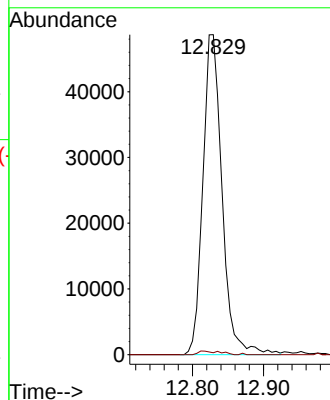
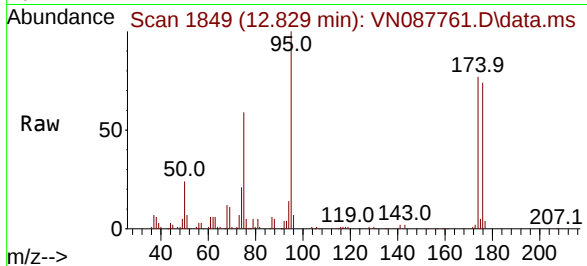




#76
1,2,3-Trichloropropane
Concen: 25.907 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087761.D
Acq: 08 Sep 2025 15:46

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 91600
Ion Ratio Lower Upper
75 100
77 0.8 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.585 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087761.D
Acq: 08 Sep 2025 15:46

Tgt Ion: 75 Resp: 91600
Ion Ratio Lower Upper
75 100
53 0.1 101.8 152.6#
89 0.0 35.6 53.4#

