

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081525\
 Data File : VN087581.D
 Acq On : 15 Aug 2025 14:57
 Operator : JC\MD
 Sample : Q2840-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 0804-E

Quant Time: Aug 18 05:44:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

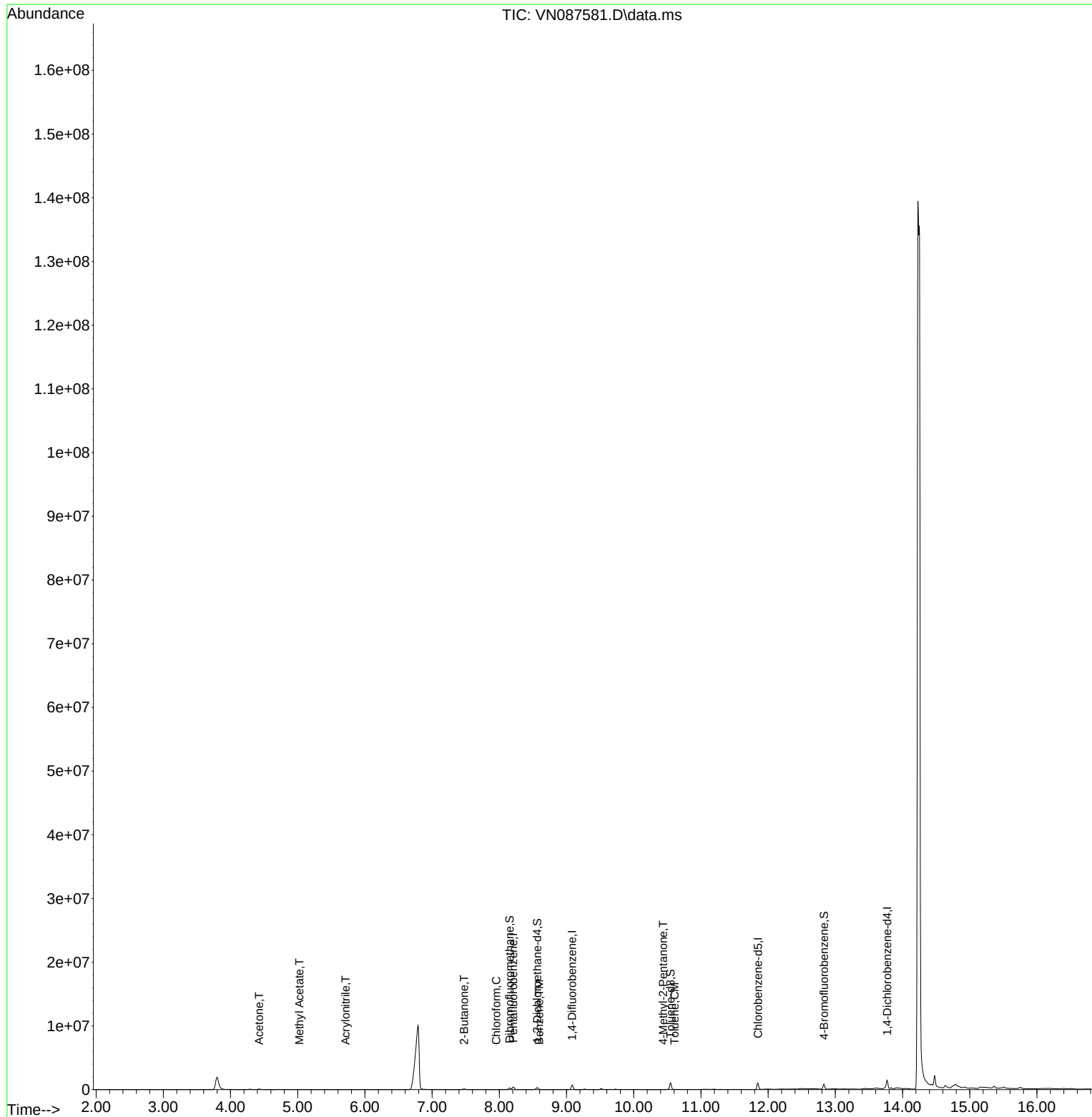
Internal Standards						
1) Pentafluorobenzene	8.206	168	265409	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	592635	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	556144	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	279802	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	250221	55.562	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.120%
35) Dibromofluoromethane	8.153	113	180450	44.141	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.280%
50) Toluene-d8	10.547	98	679071	46.568	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.140%
62) 4-Bromofluorobenzene	12.829	95	260673	48.385	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.760%
Target Compounds						
						Qvalue
15) Acrylonitrile	5.712	53	12980	5.594	ug/l	96
16) Acetone	4.424	43	168484	79.792	ug/l	92
18) Methyl Acetate	5.024	43	9952	1.876	ug/l #	74
25) 2-Butanone	7.477	43	185541	56.871	ug/l	100
30) Chloroform	7.953	83	16803	2.529	ug/l #	83
40) Benzene	8.594	78	8912	0.511	ug/l	92
51) 4-Methyl-2-Pentanone	10.435	43	9640	1.259	ug/l	97
52) Toluene	10.606	92	9239	0.871	ug/l	96

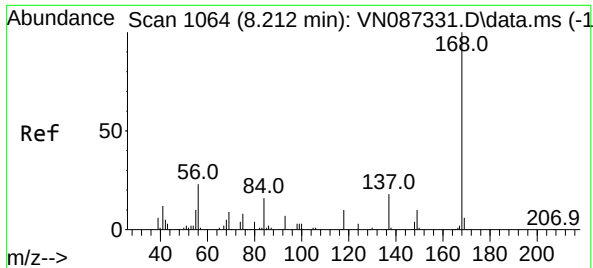
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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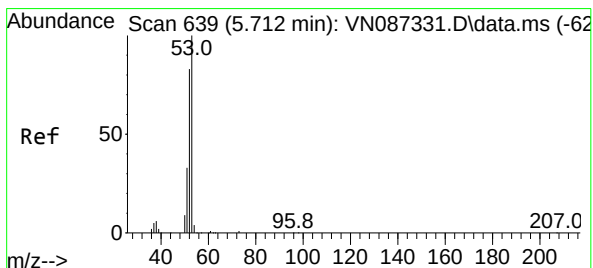
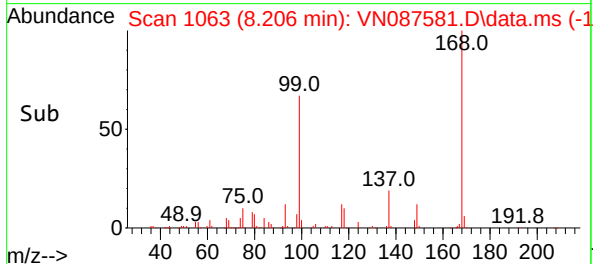
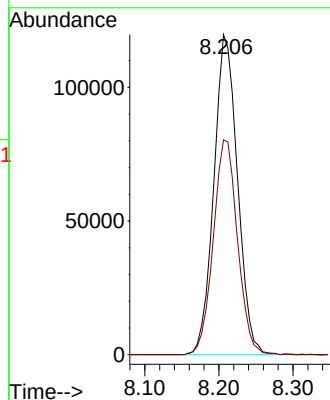
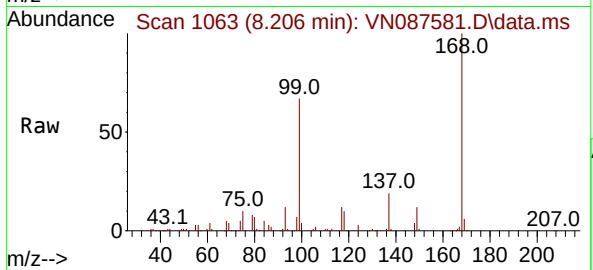




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN087581.D
Acq: 15 Aug 2025 14:57

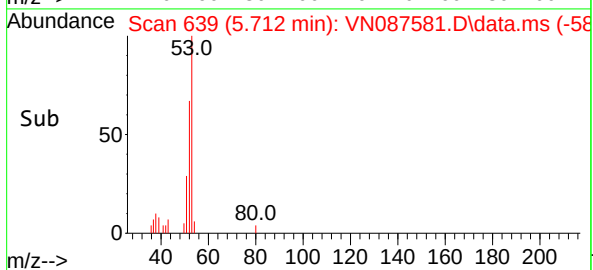
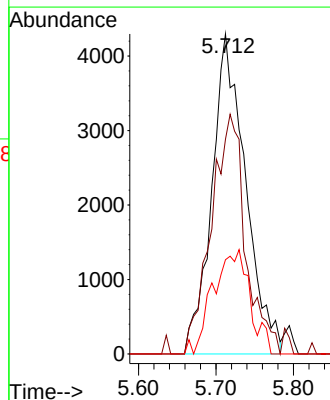
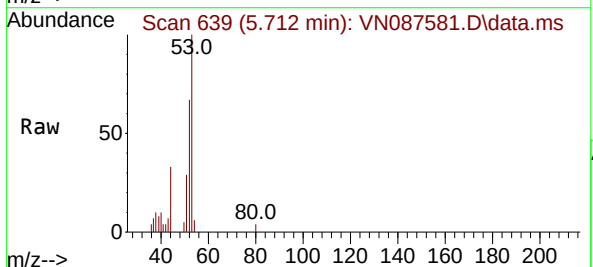
Instrument :
MSVOA_N
ClientSampleId :
0804-E

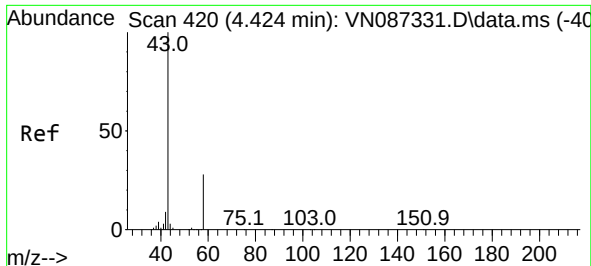
Tgt Ion:168 Resp: 265409
Ion Ratio Lower Upper
168 100
99 67.2 47.9 71.9



#15
Acrylonitrile
Concen: 5.594 ug/l
RT: 5.712 min Scan# 639
Delta R.T. 0.000 min
Lab File: VN087581.D
Acq: 15 Aug 2025 14:57

Tgt Ion: 53 Resp: 12980
Ion Ratio Lower Upper
53 100
52 76.5 65.5 98.3
51 35.6 28.7 43.1

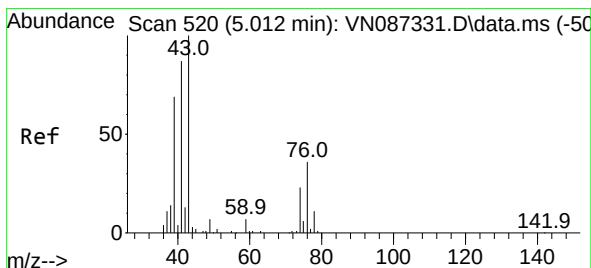
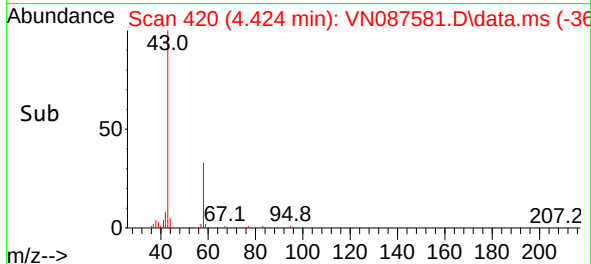
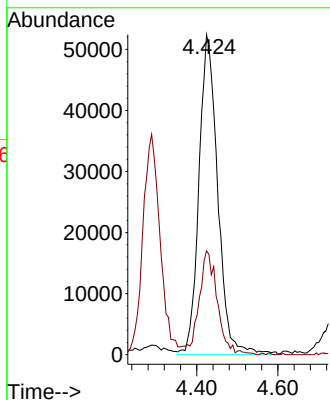
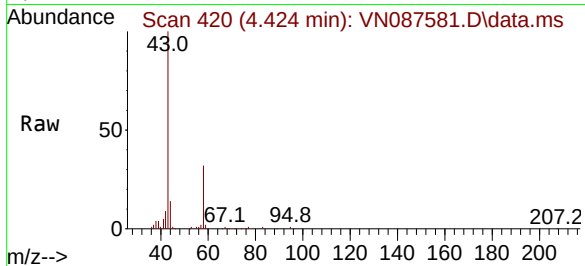




#16
Acetone
Concen: 79.792 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN087581.D
Acq: 15 Aug 2025 14:57

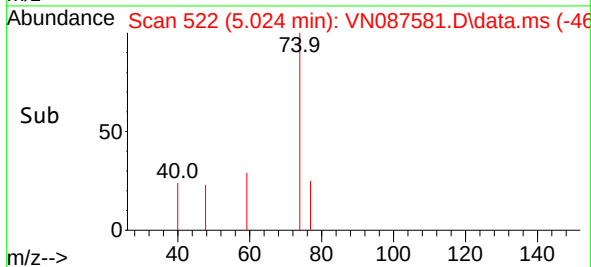
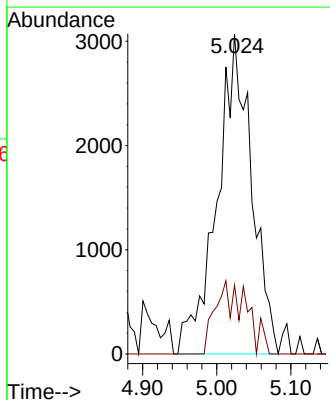
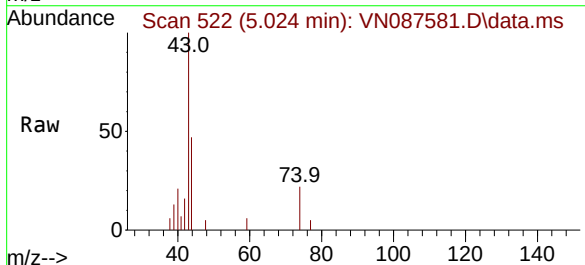
Instrument :
MSVOA_N
ClientSampleId :
0804-E

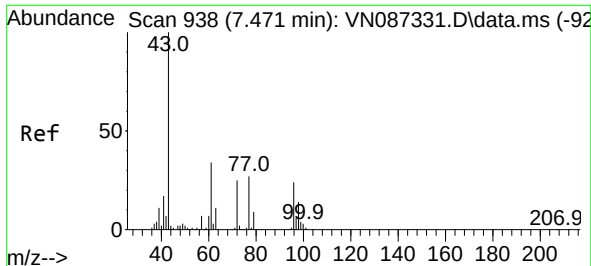
Tgt Ion: 43 Resp: 168484
Ion Ratio Lower Upper
43 100
58 32.1 22.3 33.5



#18
Methyl Acetate
Concen: 1.876 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.012 min
Lab File: VN087581.D
Acq: 15 Aug 2025 14:57

Tgt Ion: 43 Resp: 9952
Ion Ratio Lower Upper
43 100
74 9.9 17.8 26.6#

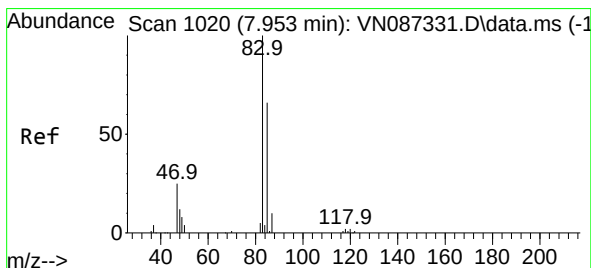
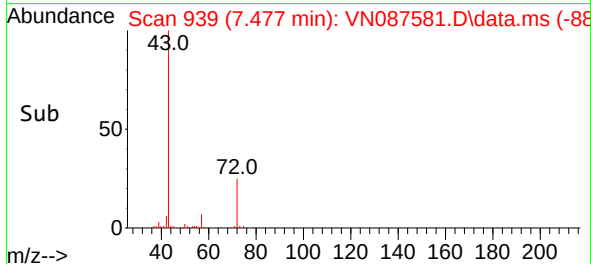
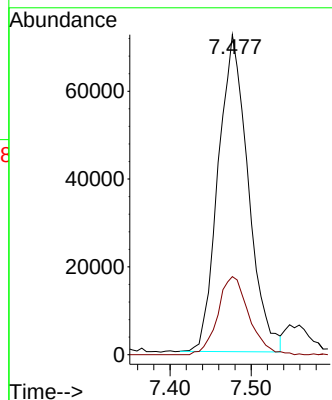
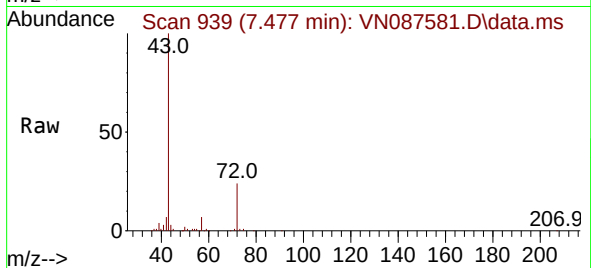




#25
2-Butanone
Concen: 56.871 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087581.D
Acq: 15 Aug 2025 14:57

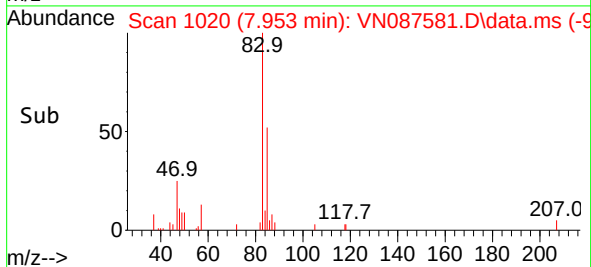
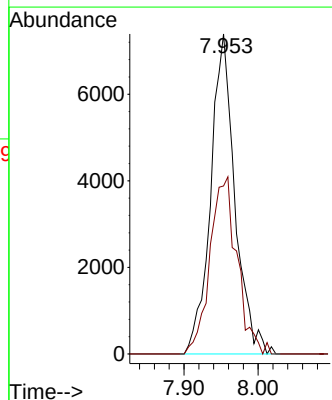
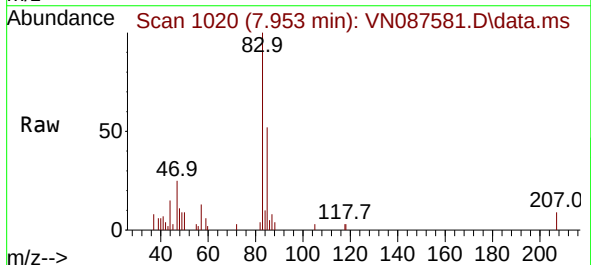
Instrument :
MSVOA_N
ClientSampleId :
0804-E

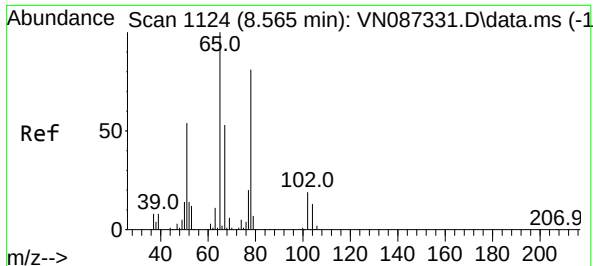
Tgt Ion: 43 Resp: 185541
Ion Ratio Lower Upper
43 100
72 24.7 19.6 29.4



#30
Chloroform
Concen: 2.529 ug/l
RT: 7.953 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VN087581.D
Acq: 15 Aug 2025 14:57

Tgt Ion: 83 Resp: 16803
Ion Ratio Lower Upper
83 100
85 52.5 52.7 79.1#





#33

1,2-Dichloroethane-d4

Concen: 55.562 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.000 min

Lab File: VN087581.D

Acq: 15 Aug 2025 14:57

Instrument :

MSVOA_N

ClientSampleId :

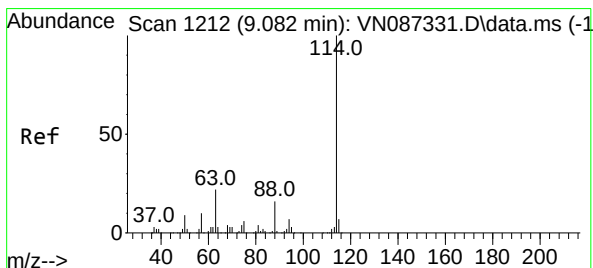
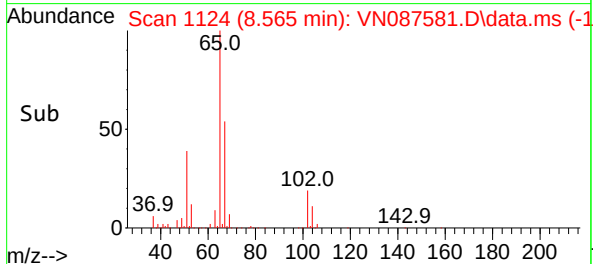
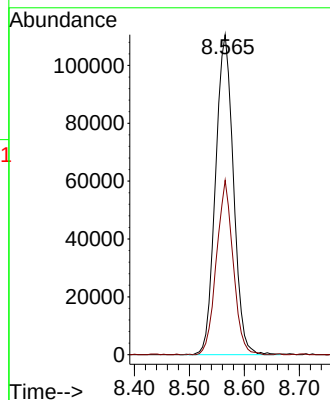
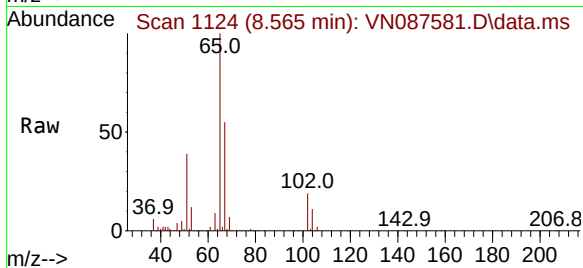
0804-E

Tgt Ion: 65 Resp: 250221

Ion Ratio Lower Upper

65 100

67 51.0 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.001 min

Lab File: VN087581.D

Acq: 15 Aug 2025 14:57

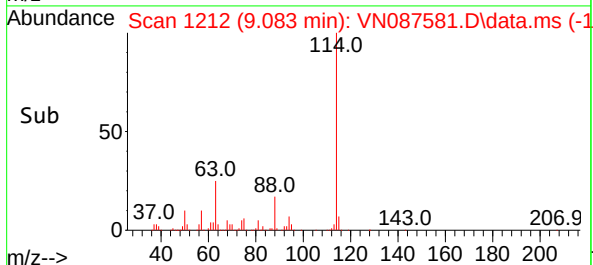
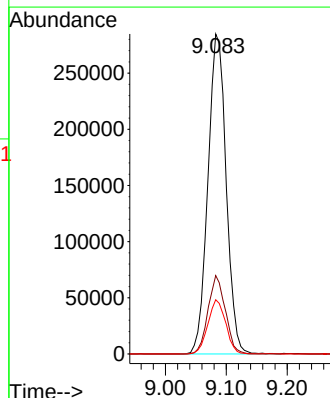
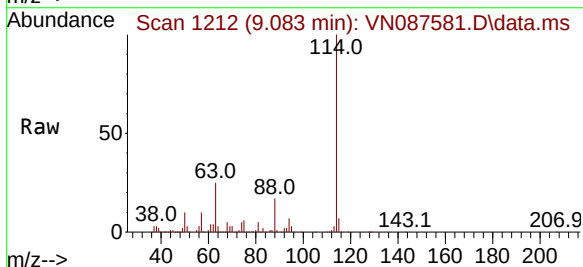
Tgt Ion: 114 Resp: 592635

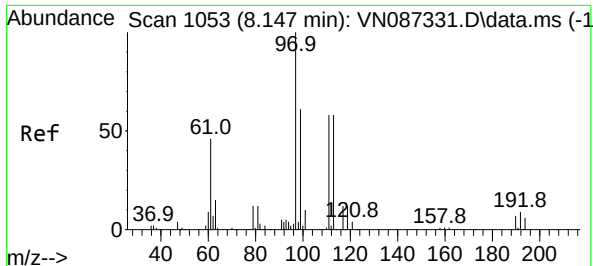
Ion Ratio Lower Upper

114 100

63 24.5 0.0 44.6

88 17.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 44.141 ug/l

RT: 8.153 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VN087581.D

Acq: 15 Aug 2025 14:57

Instrument :

MSVOA_N

ClientSampleId :

0804-E

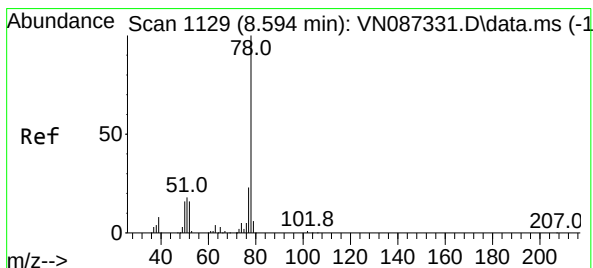
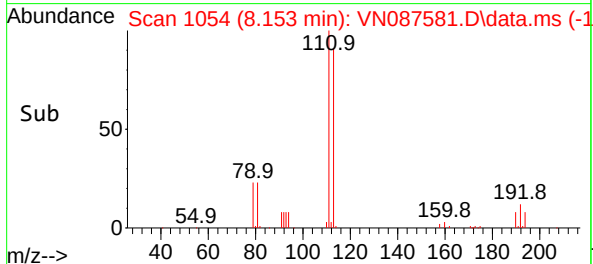
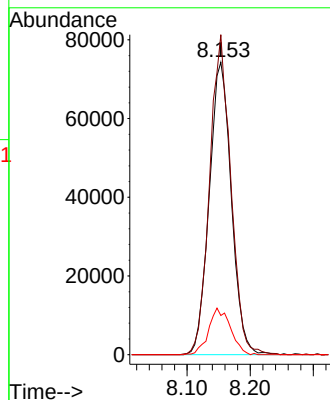
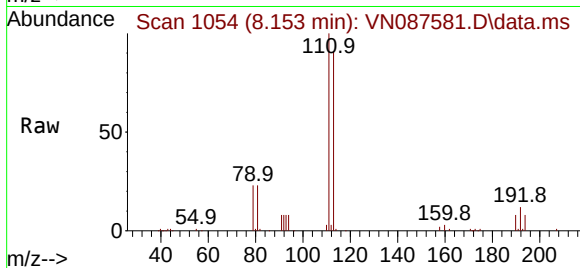
Tgt Ion:113 Resp: 180450

Ion Ratio Lower Upper

113 100

111 104.9 82.5 123.7

192 15.8 13.7 20.5



#40

Benzene

Concen: 0.511 ug/l

RT: 8.594 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN087581.D

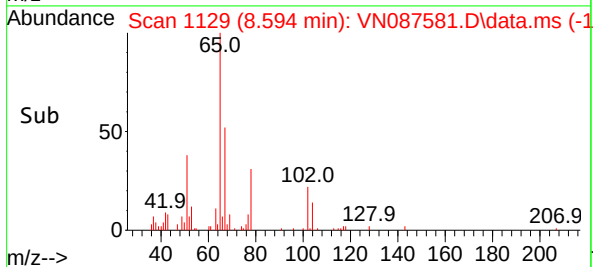
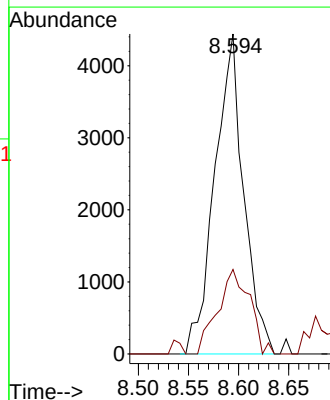
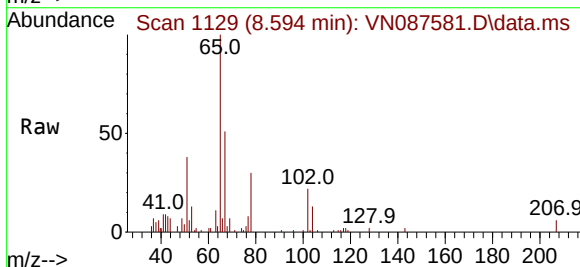
Acq: 15 Aug 2025 14:57

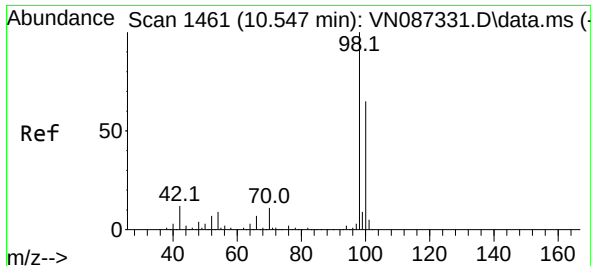
Tgt Ion: 78 Resp: 8912

Ion Ratio Lower Upper

78 100

77 26.4 18.2 27.2

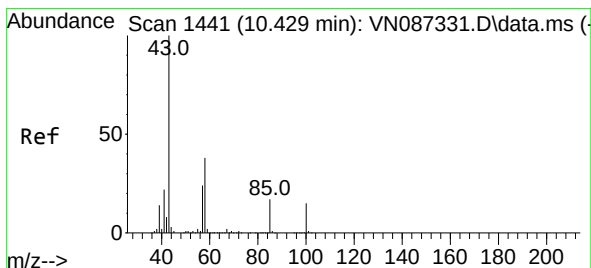
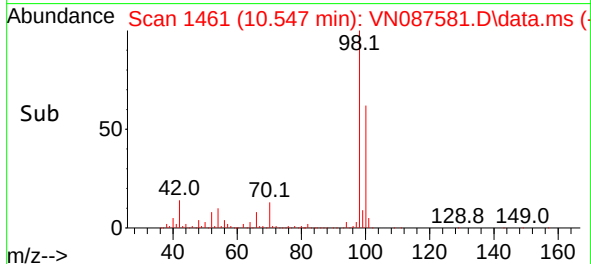
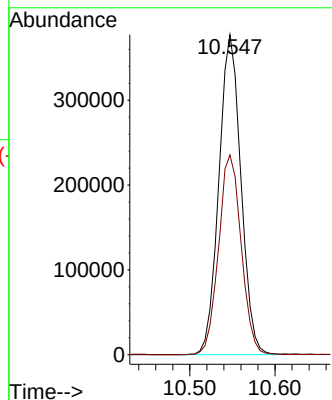
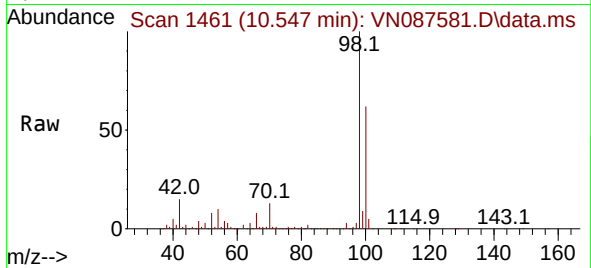




#50
Toluene-d8
Concen: 46.568 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087581.D
Acq: 15 Aug 2025 14:57

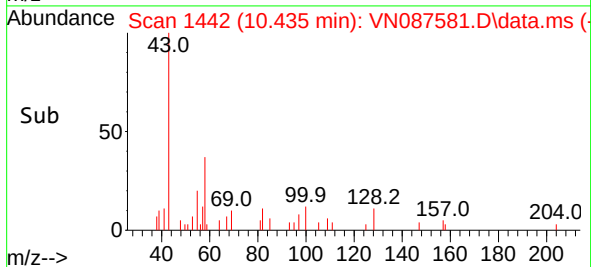
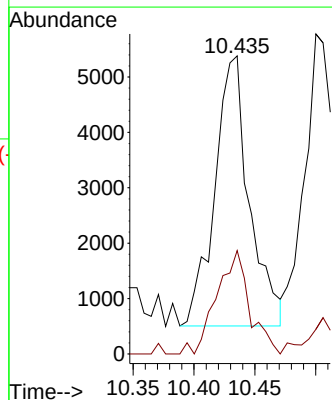
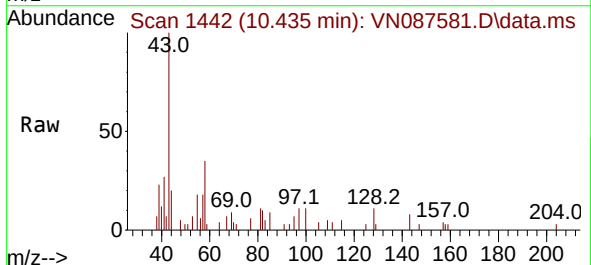
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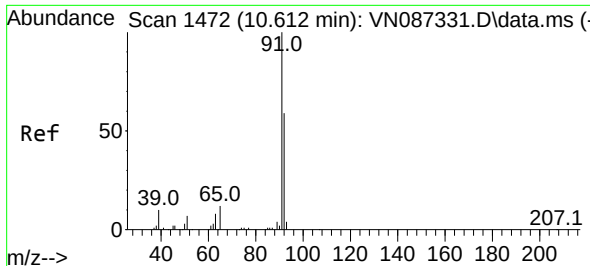
Tgt Ion: 98 Resp: 679071
Ion Ratio Lower Upper
98 100
100 64.0 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.259 ug/l
RT: 10.435 min Scan# 1442
Delta R.T. 0.006 min
Lab File: VN087581.D
Acq: 15 Aug 2025 14:57

Tgt Ion: 43 Resp: 9640
Ion Ratio Lower Upper
43 100
58 36.4 30.8 46.2

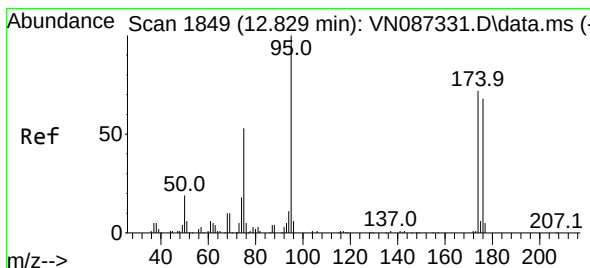
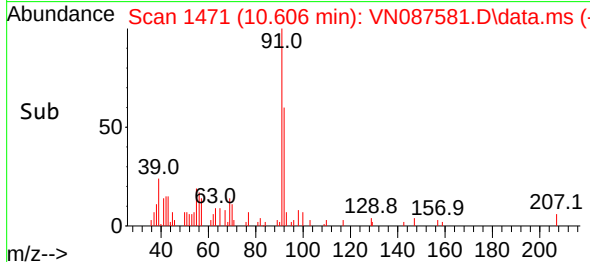
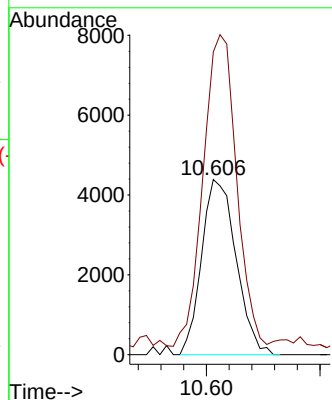
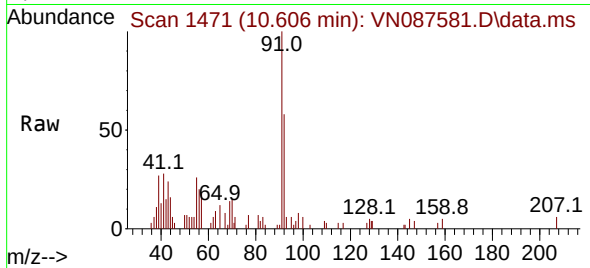




#52
Toluene
Concen: 0.871 ug/l
RT: 10.606 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VN087581.D
Acq: 15 Aug 2025 14:57

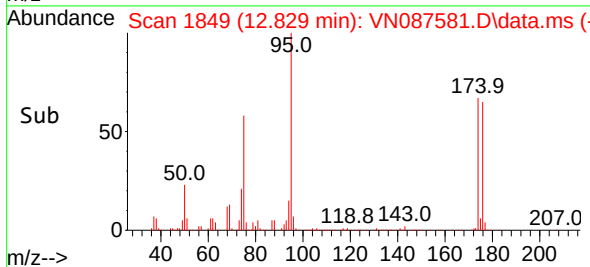
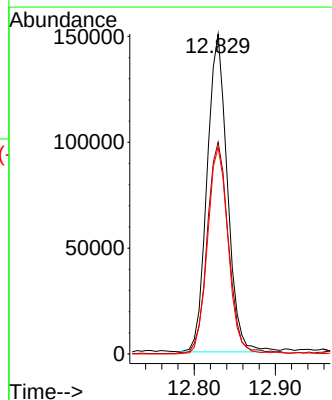
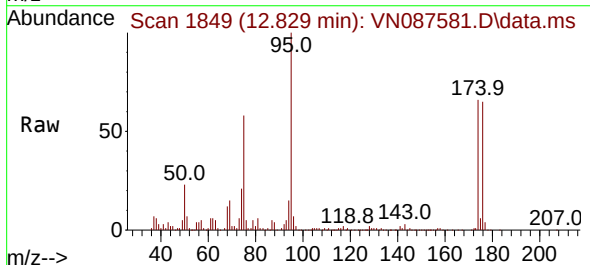
Instrument :
MSVOA_N
ClientSampleId :
0804-E

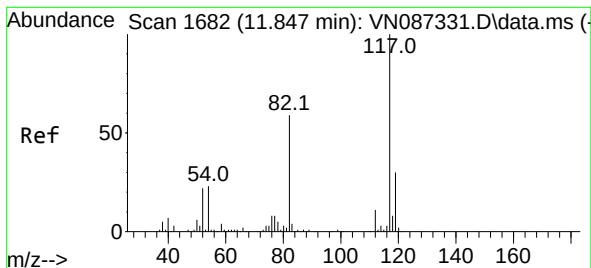
Tgt Ion: 92 Resp: 9239
Ion Ratio Lower Upper
92 100
91 173.9 135.1 202.7



#62
4-Bromofluorobenzene
Concen: 48.385 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087581.D
Acq: 15 Aug 2025 14:57

Tgt Ion: 95 Resp: 260673
Ion Ratio Lower Upper
95 100
174 69.8 0.0 149.4
176 66.3 0.0 141.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.847 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087581.D

Acq: 15 Aug 2025 14:57

Instrument :

MSVOA_N

ClientSampleId :

0804-E

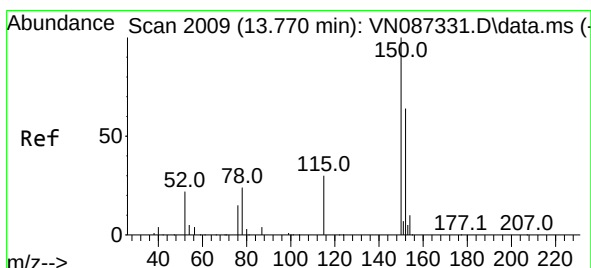
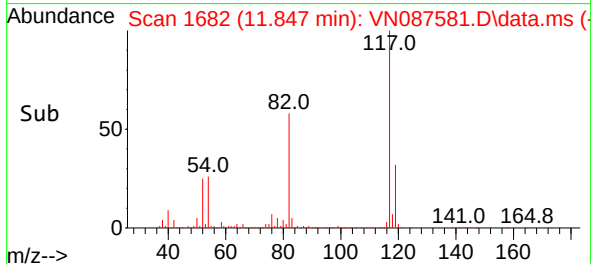
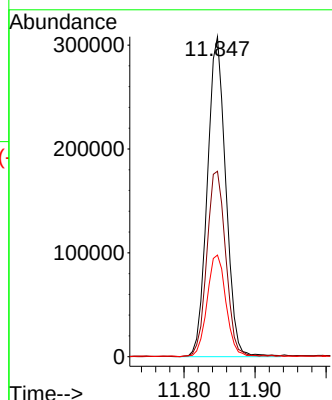
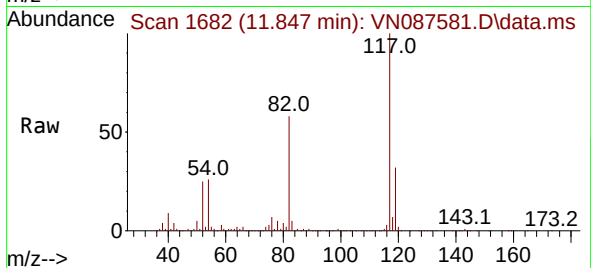
Tgt Ion:117 Resp: 556144

Ion Ratio Lower Upper

117 100

82 57.9 47.4 71.2

119 31.8 23.8 35.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.771 min Scan# 2009

Delta R.T. 0.000 min

Lab File: VN087581.D

Acq: 15 Aug 2025 14:57

Tgt Ion:152 Resp: 279802

Ion Ratio Lower Upper

152 100

115 64.1 31.1 93.5

150 156.5 0.0 349.0

