

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
 Data File : VN087782.D
 Acq On : 10 Sep 2025 15:47
 Operator : JC\MD
 Sample : Q3058-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW4

Quant Time: Sep 11 02:05:50 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)

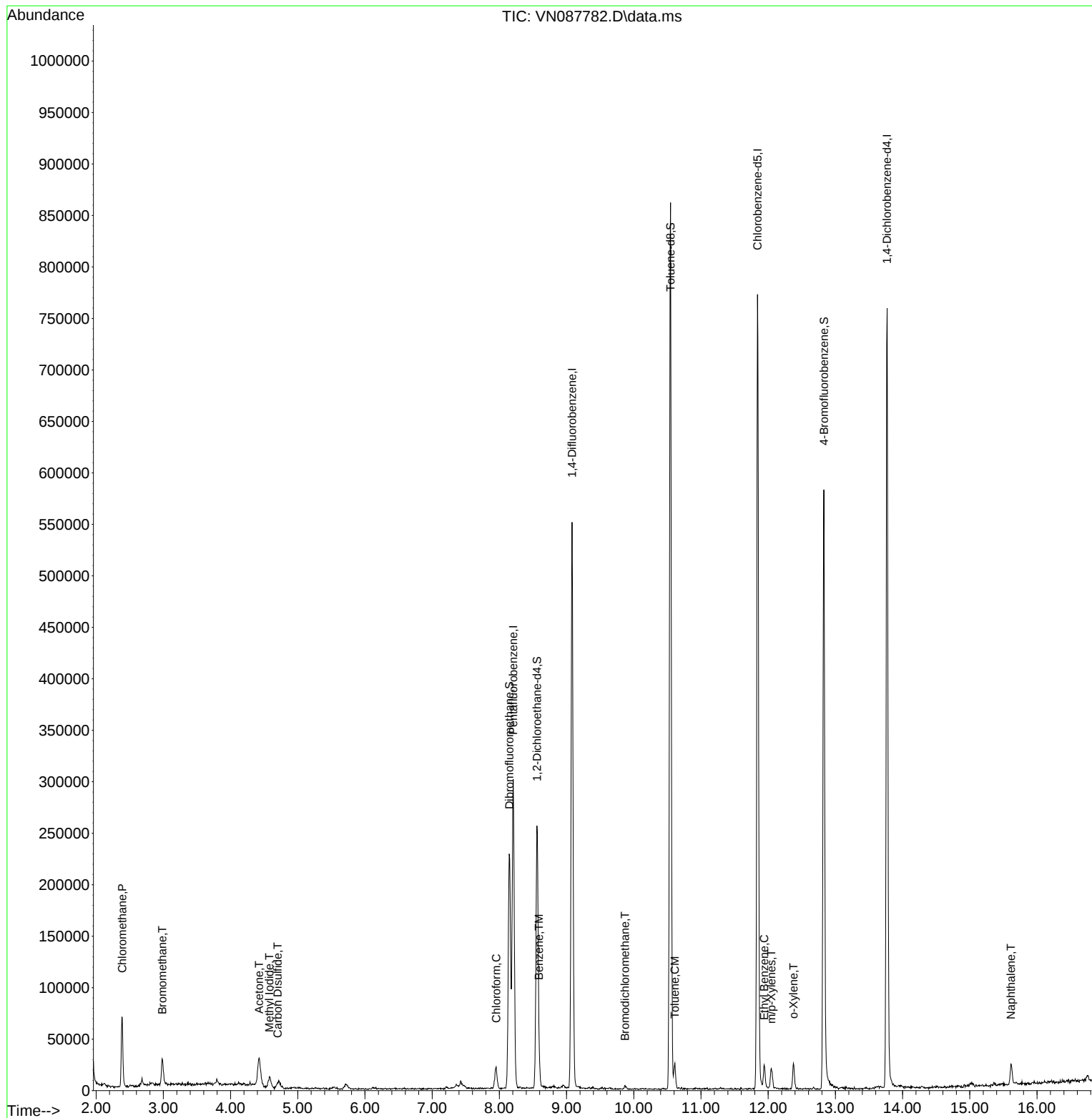
Internal Standards						
1) Pentafluorobenzene	8.206	168	196528	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	453885	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	434796	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	206220	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	207855	51.620	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.240%	
35) Dibromofluoromethane	8.147	113	164718	50.264	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.520%	
50) Toluene-d8	10.547	98	573709	46.775	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 93.540%	
62) 4-Bromofluorobenzene	12.829	95	205625	47.141	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 94.280%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.389	50	69637	24.277	ug/l	95
5) Bromomethane	2.983	94	16998	9.905	ug/l	89
10) Methyl Iodide	4.577	142	18472	14.554	ug/l #	96
16) Acetone	4.424	43	50618	23.092	ug/l	97
17) Carbon Disulfide	4.700	76	5929	0.760	ug/l #	88
30) Chloroform	7.953	83	18426	2.971	ug/l	87
40) Benzene	8.588	78	12142	0.787	ug/l	97
47) Bromodichloromethane	9.871	83	2163	0.365	ug/l #	70
52) Toluene	10.612	92	10092	1.056	ug/l	85
67) Ethyl Benzene	11.941	91	15321	0.818	ug/l	95
68) m/p-Xylenes	12.047	106	6766	0.985	ug/l	99
69) o-Xylene	12.376	106	7363	1.094	ug/l	96
95) Naphthalene	15.611	128	18706	1.198	ug/l #	92

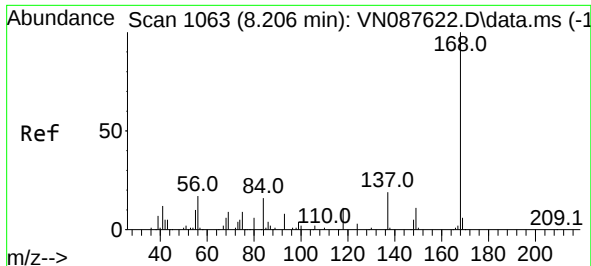
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
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Quant Time: Sep 11 02:05:50 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

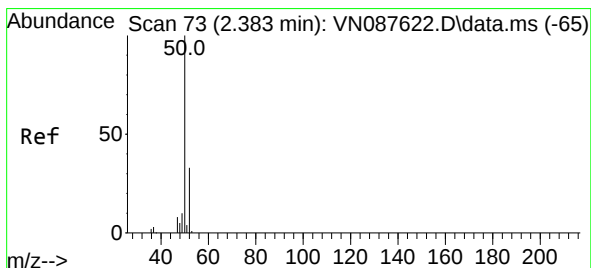
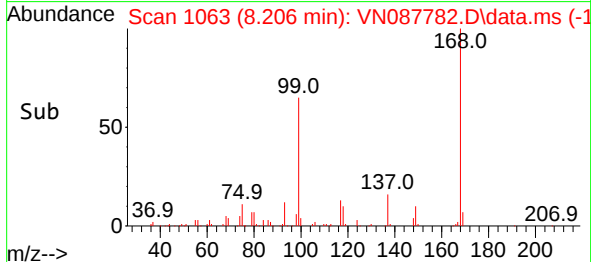
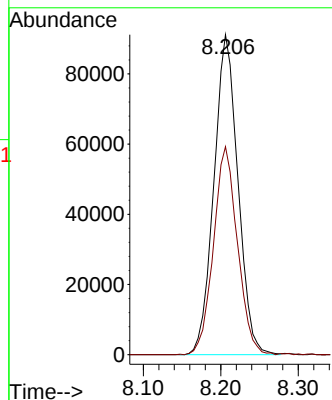
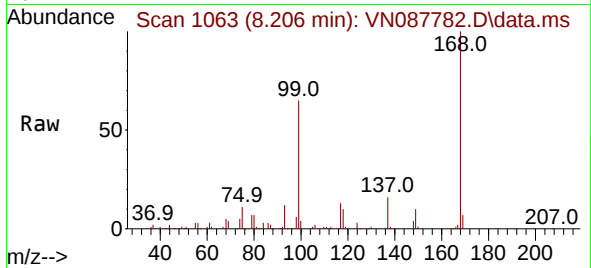




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

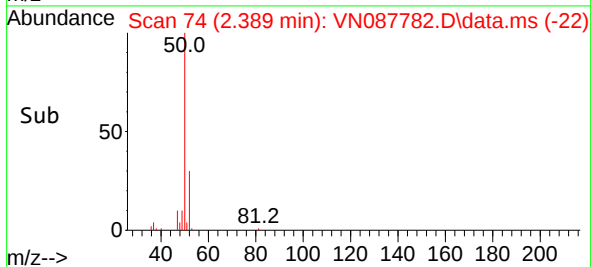
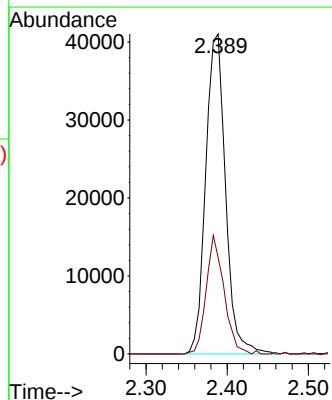
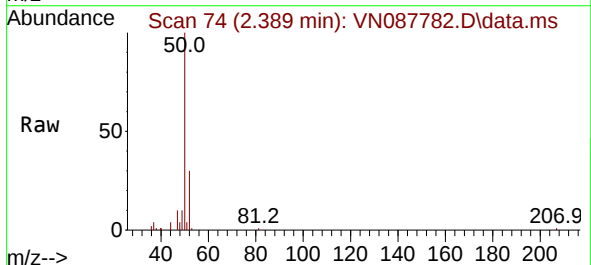
Instrument :
MSVOA_N
ClientSampleId :
MW4

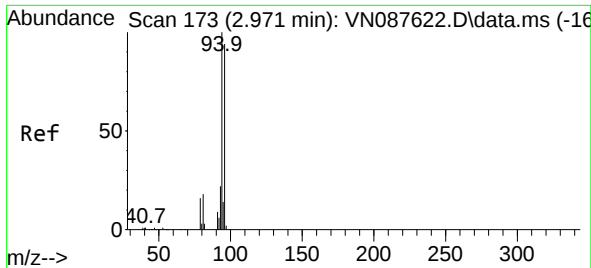
Tgt Ion:168 Resp: 196528
Ion Ratio Lower Upper
168 100
99 64.8 57.2 85.8



#3
Chloromethane
Concen: 24.277 ug/l
RT: 2.389 min Scan# 74
Delta R.T. 0.006 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

Tgt Ion: 50 Resp: 69637
Ion Ratio Lower Upper
50 100
52 30.2 26.2 39.4

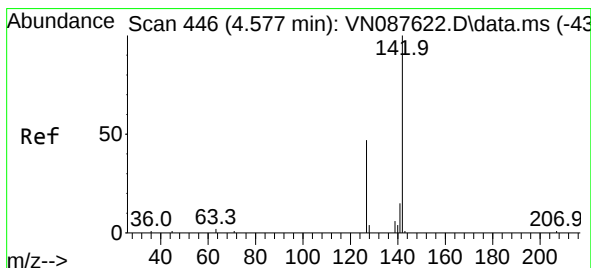
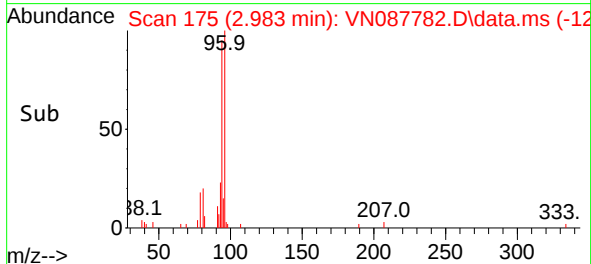
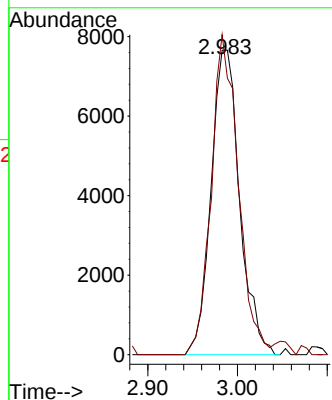
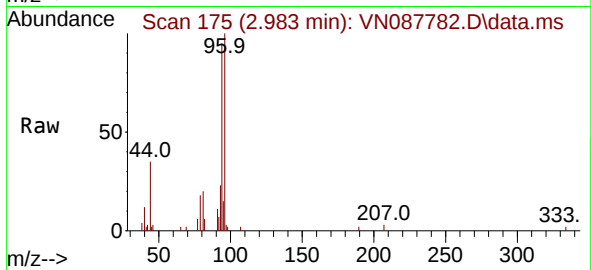




#5
Bromomethane
Concen: 9.905 ug/l
RT: 2.983 min Scan# 173
Delta R.T. 0.012 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

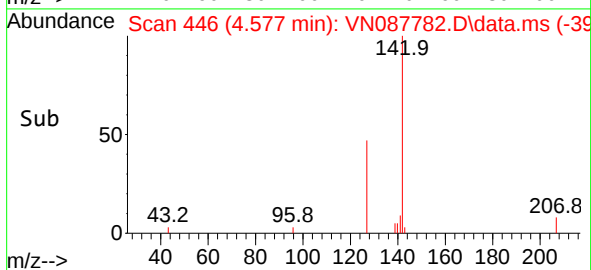
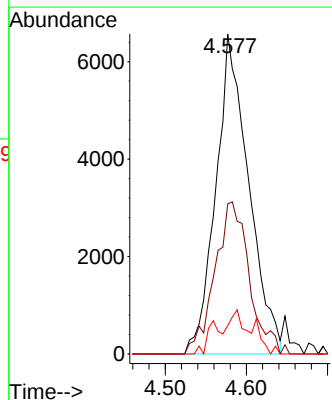
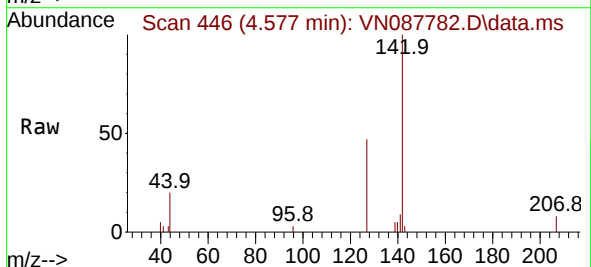
Instrument :
MSVOA_N
ClientSampleId :
MW4

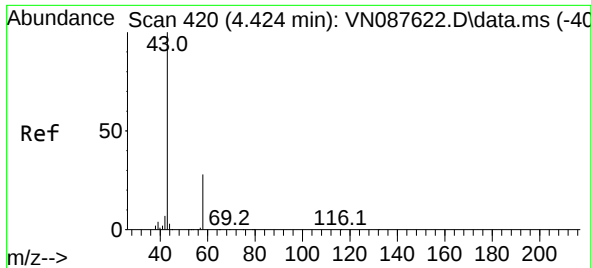
Tgt Ion: 94 Resp: 16998
Ion Ratio Lower Upper
94 100
96 105.1 75.4 113.2



#10
Methyl Iodide
Concen: 14.554 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.000 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

Tgt Ion:142 Resp: 18472
Ion Ratio Lower Upper
142 100
127 46.8 38.0 57.0
141 8.8 12.0 18.0#

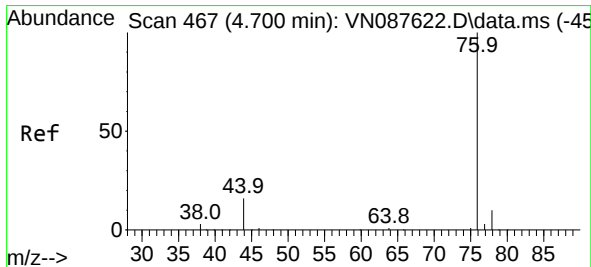
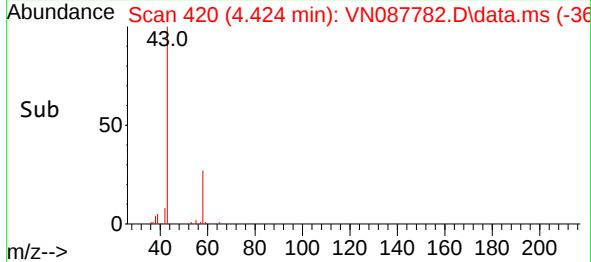
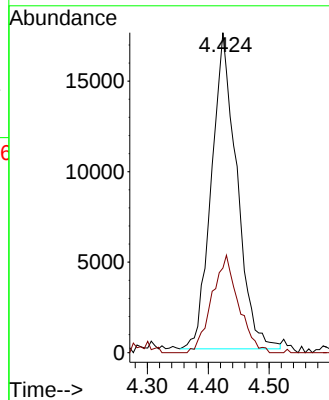
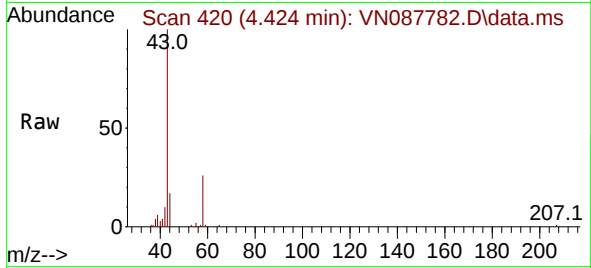




#16
Acetone
Concen: 23.092 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

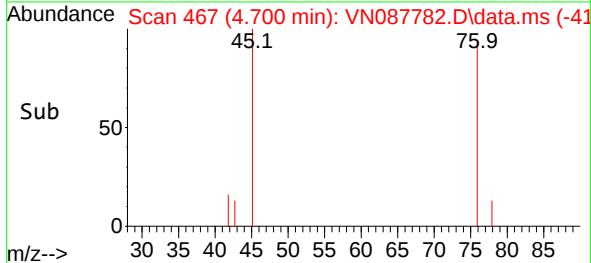
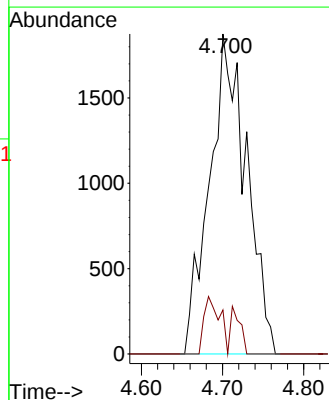
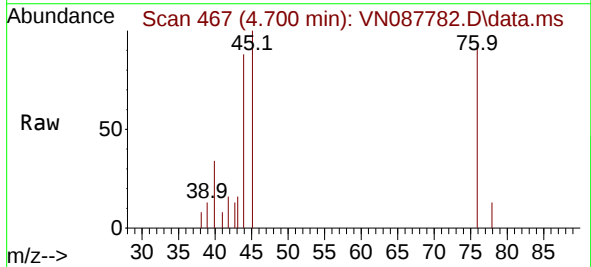
Instrument :
MSVOA_N
ClientSampleId :
MW4

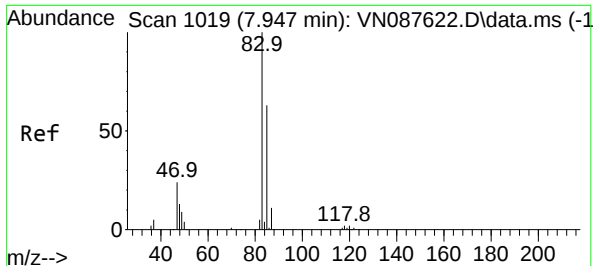
Tgt Ion: 43 Resp: 50618
Ion Ratio Lower Upper
43 100
58 26.8 22.6 33.8



#17
Carbon Disulfide
Concen: 0.760 ug/l
RT: 4.700 min Scan# 467
Delta R.T. -0.000 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

Tgt Ion: 76 Resp: 5929
Ion Ratio Lower Upper
76 100
78 13.8 7.6 11.4#





#30

Chloroform

Concen: 2.971 ug/l

RT: 7.953 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VN087782.D

Acq: 10 Sep 2025 15:47

Instrument :

MSVOA_N

ClientSampleId :

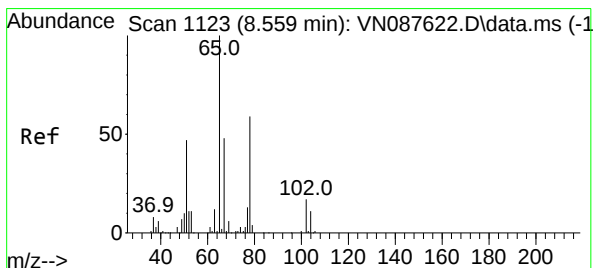
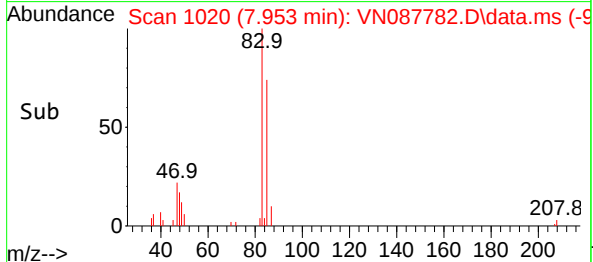
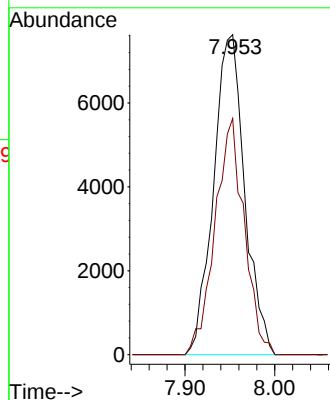
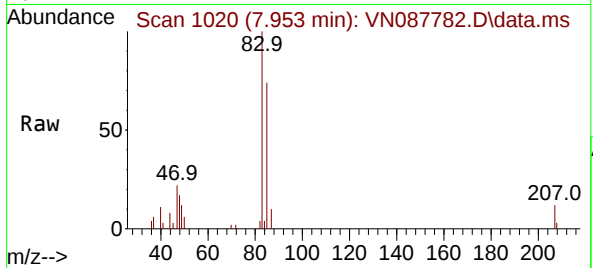
MW4

Tgt Ion: 83 Resp: 18426

Ion Ratio Lower Upper

83 100

85 73.8 50.7 76.1



#33

1,2-Dichloroethane-d4

Concen: 51.620 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN087782.D

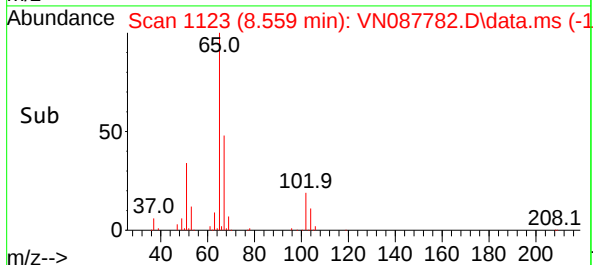
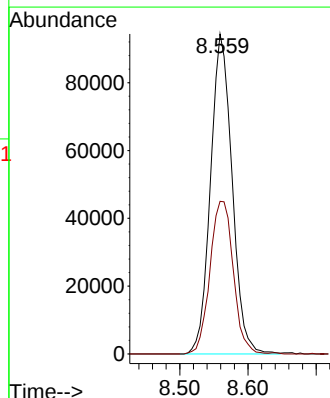
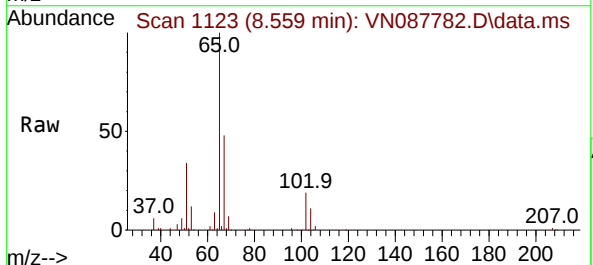
Acq: 10 Sep 2025 15:47

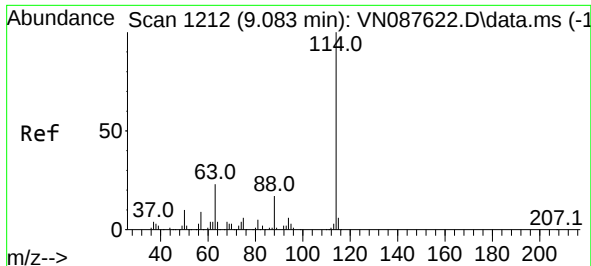
Tgt Ion: 65 Resp: 207855

Ion Ratio Lower Upper

65 100

67 51.5 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087782.D

Acq: 10 Sep 2025 15:47

Instrument :

MSVOA_N

ClientSampleId :

MW4

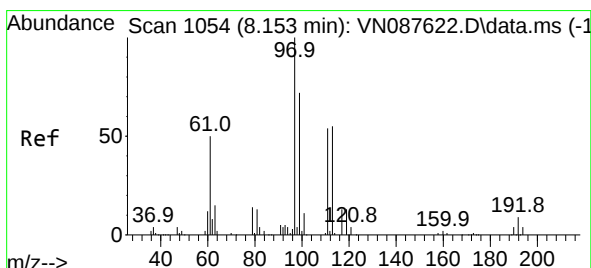
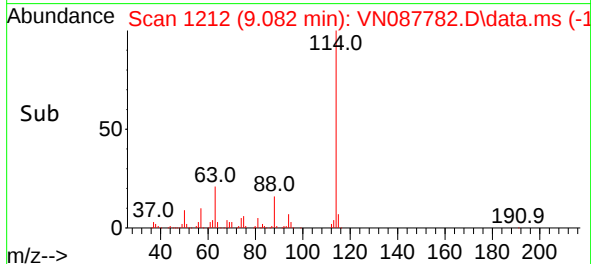
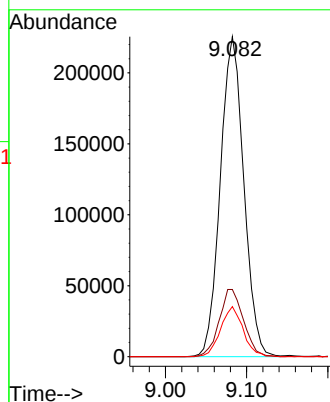
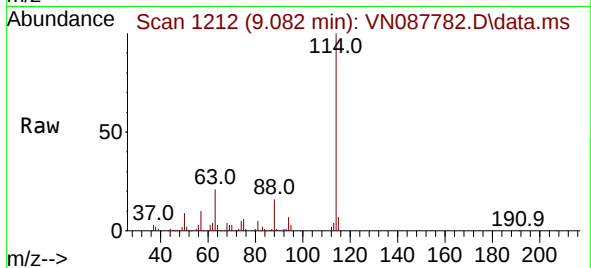
Tgt Ion:114 Resp: 453885

Ion Ratio Lower Upper

114 100

63 21.0 0.0 45.2

88 15.7 0.0 33.4



#35

Dibromofluoromethane

Concen: 50.264 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087782.D

Acq: 10 Sep 2025 15:47

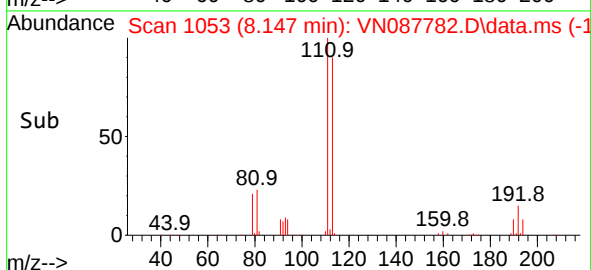
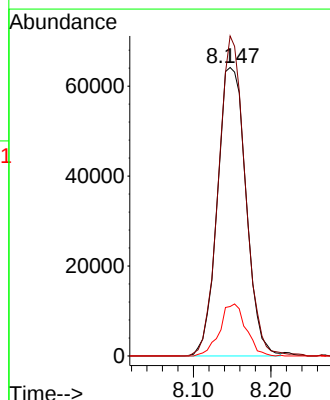
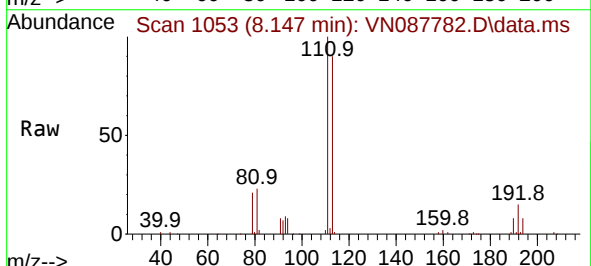
Tgt Ion:113 Resp: 164718

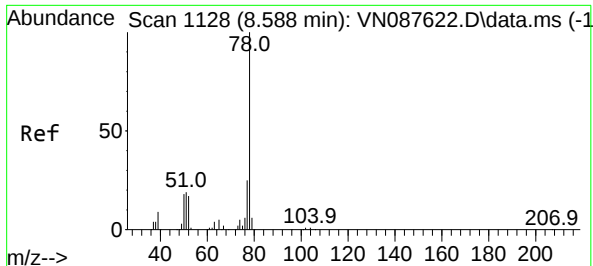
Ion Ratio Lower Upper

113 100

111 103.7 82.8 124.2

192 16.5 12.8 19.2

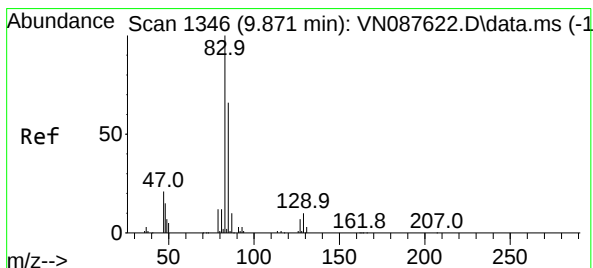
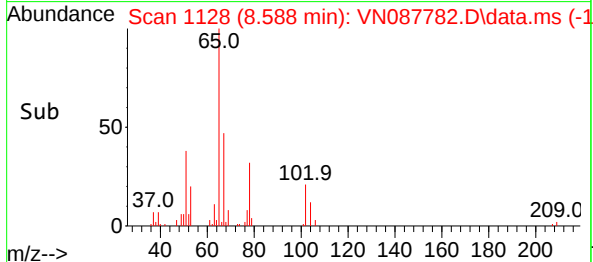
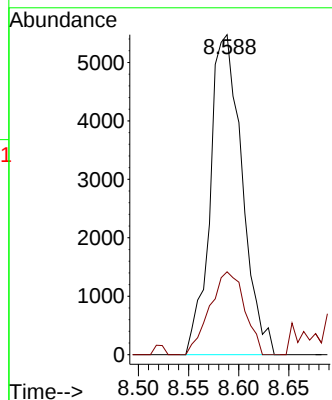
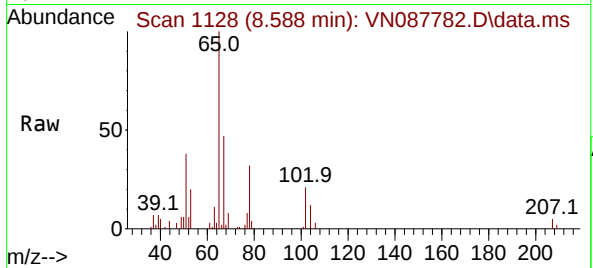




#40
Benzene
Concen: 0.787 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

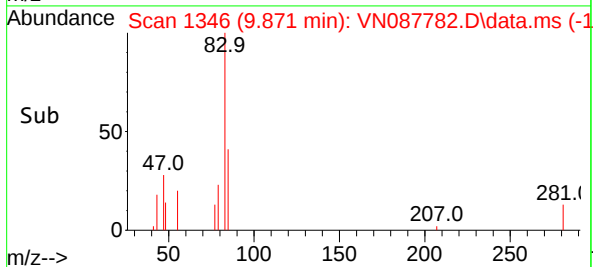
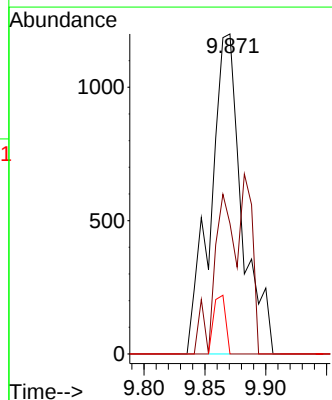
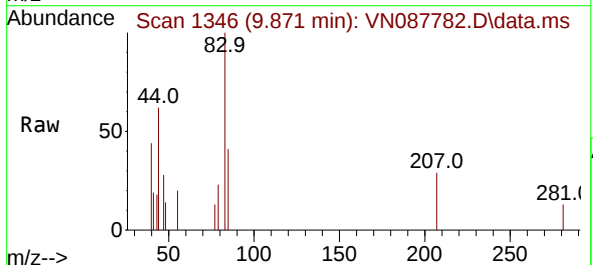
Instrument :
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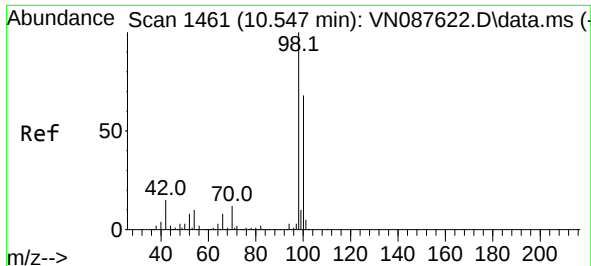
Tgt Ion: 78 Resp: 12142
Ion Ratio Lower Upper
78 100
77 25.9 19.7 29.5



#47
Bromodichloromethane
Concen: 0.365 ug/l
RT: 9.871 min Scan# 1346
Delta R.T. -0.000 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

Tgt Ion: 83 Resp: 2163
Ion Ratio Lower Upper
83 100
85 40.8 52.5 78.7#
127 0.0 5.8 8.6#

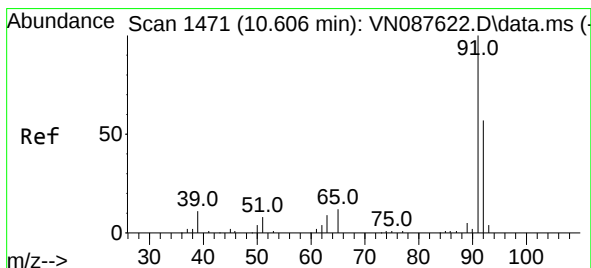
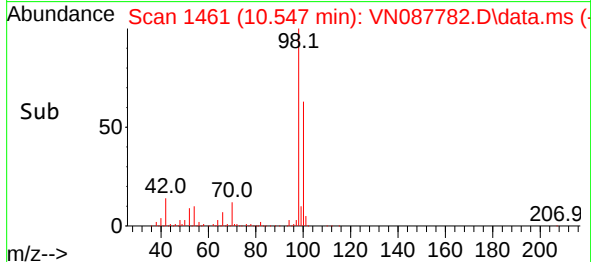
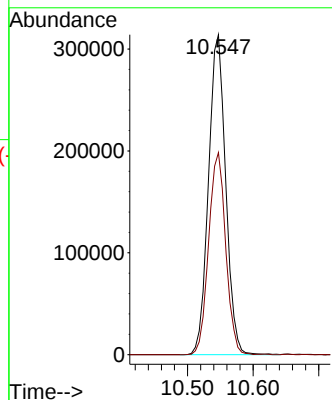
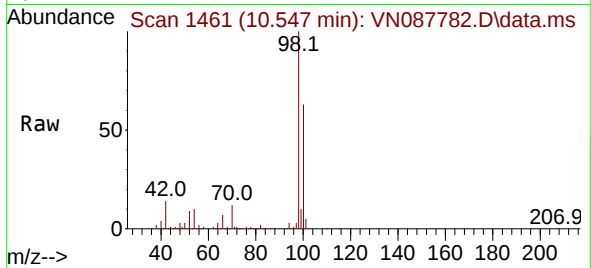




#50
Toluene-d8
Concen: 46.775 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

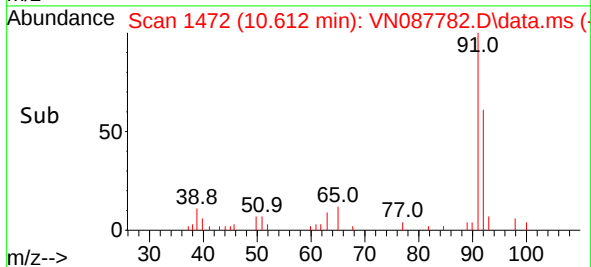
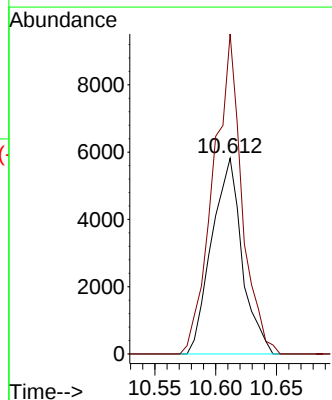
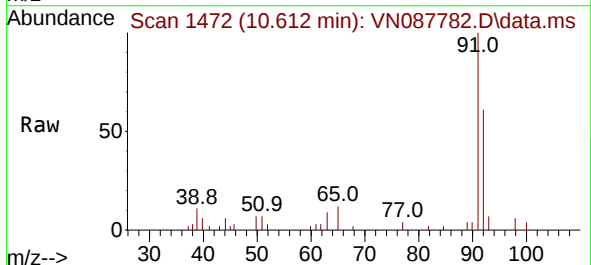
Instrument :
MSVOA_N
ClientSampleId :
MW4

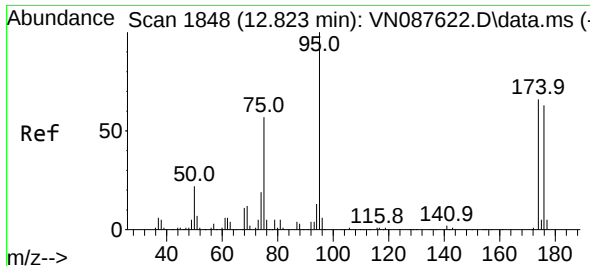
Tgt Ion: 98 Resp: 573709
Ion Ratio Lower Upper
98 100
100 62.6 52.8 79.2



#52
Toluene
Concen: 1.056 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

Tgt Ion: 92 Resp: 10092
Ion Ratio Lower Upper
92 100
91 155.0 140.4 210.6

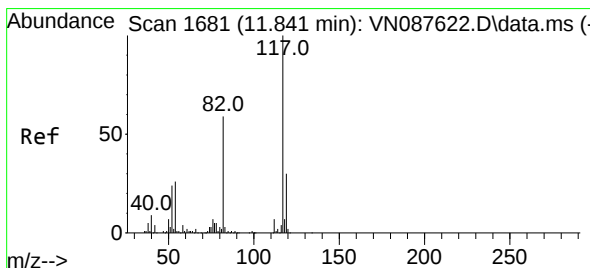
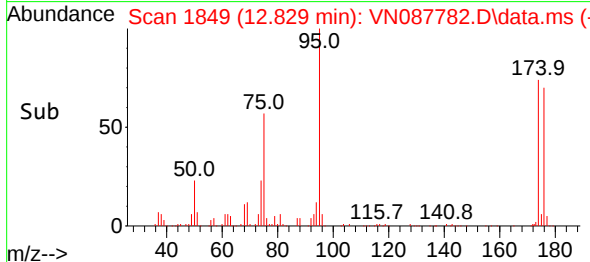
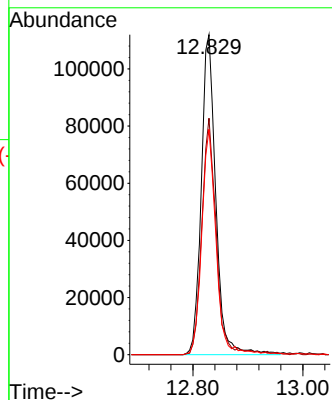
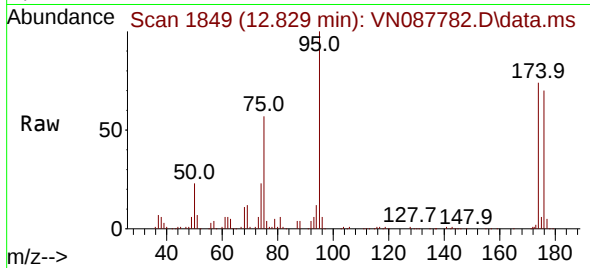




#62
4-Bromofluorobenzene
Concen: 47.141 ug/l
RT: 12.829 min Scan# 1848
Delta R.T. 0.006 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

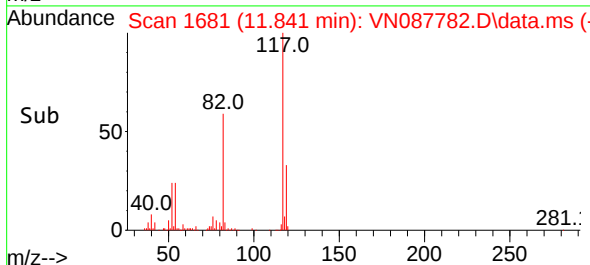
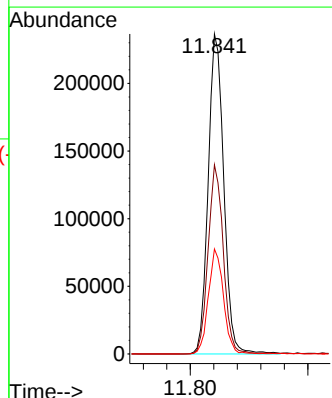
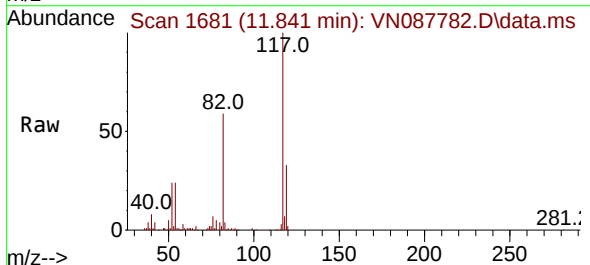
Instrument :
MSVOA_N
ClientSampleId :
MW4

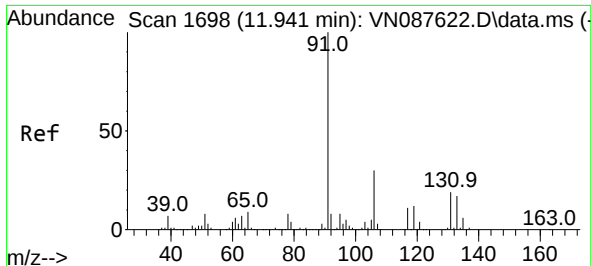
Tgt Ion: 95 Resp: 205625
Ion Ratio Lower Upper
95 100
174 73.3 0.0 138.4
176 69.8 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

Tgt Ion: 117 Resp: 434796
Ion Ratio Lower Upper
117 100
82 59.1 47.4 71.2
119 32.8 24.3 36.5





#67

Ethyl Benzene

Concen: 0.818 ug/l

RT: 11.941 min Scan# 1698

Delta R.T. -0.000 min

Lab File: VN087782.D

Acq: 10 Sep 2025 15:47

Instrument :

MSVOA_N

ClientSampleId :

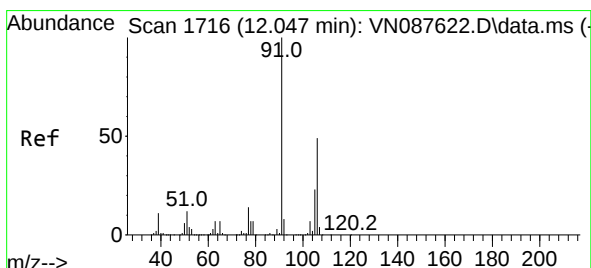
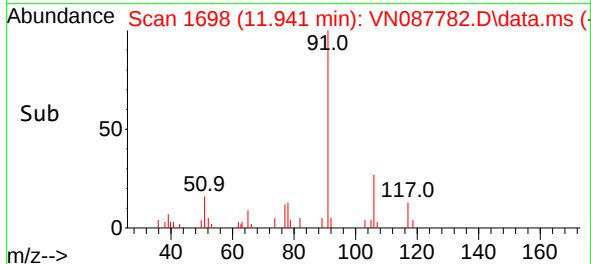
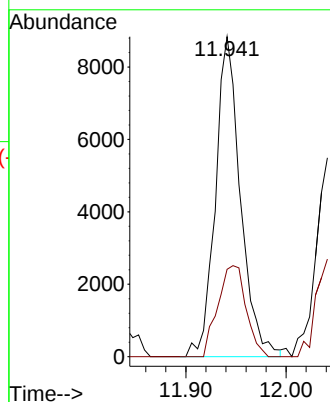
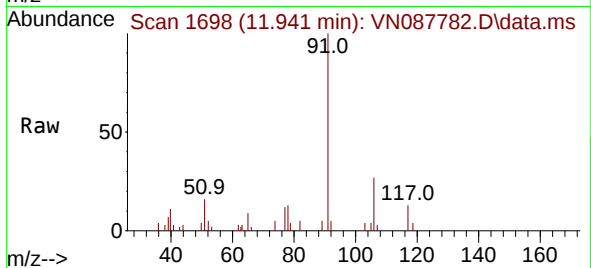
MW4

Tgt Ion: 91 Resp: 15321

Ion Ratio Lower Upper

91 100

106 27.3 24.1 36.1



#68

m/p-Xylenes

Concen: 0.985 ug/l

RT: 12.047 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VN087782.D

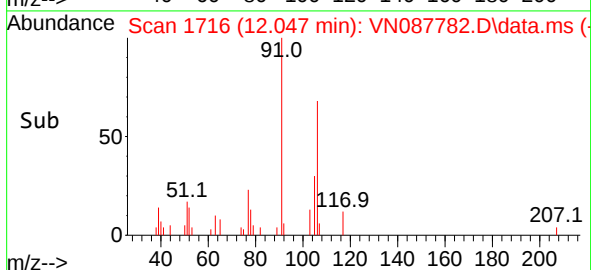
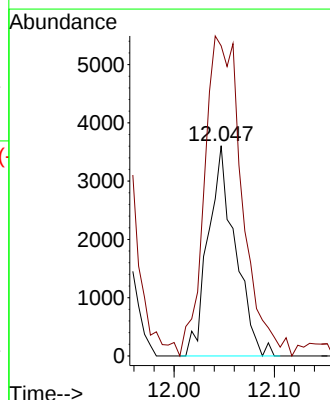
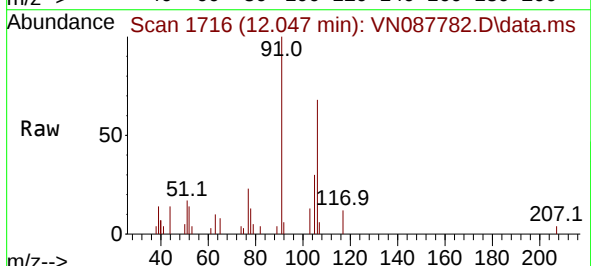
Acq: 10 Sep 2025 15:47

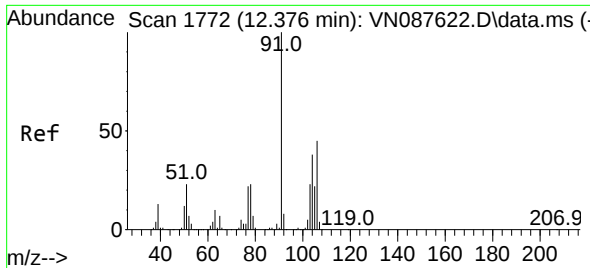
Tgt Ion: 106 Resp: 6766

Ion Ratio Lower Upper

106 100

91 210.8 169.3 253.9

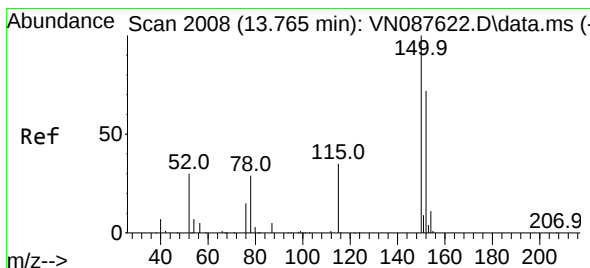
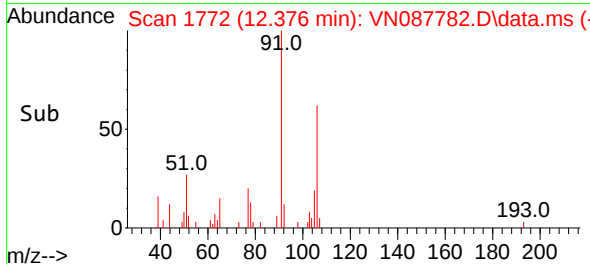
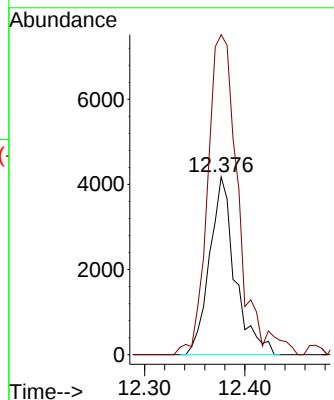
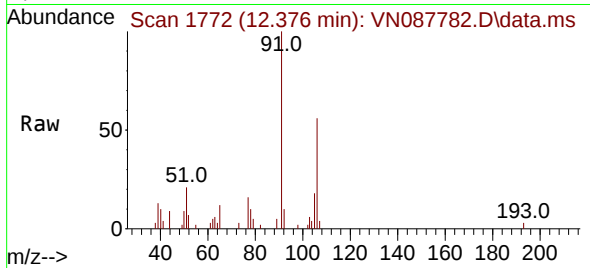




#69
o-Xylene
Concen: 1.094 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

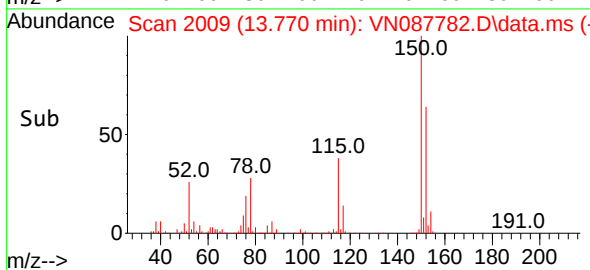
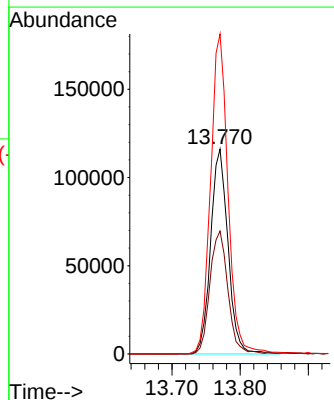
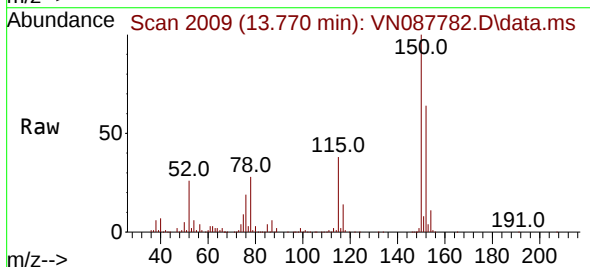
Instrument :
MSVOA_N
ClientSampleId :
MW4

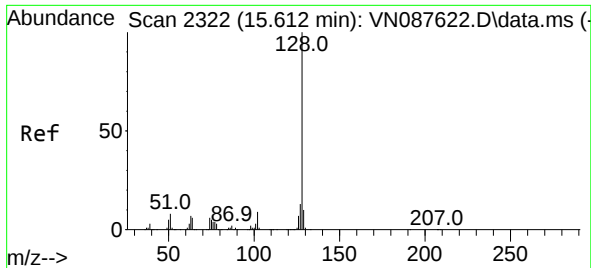
Tgt Ion:106 Resp: 7363
Ion Ratio Lower Upper
106 100
91 216.7 111.4 334.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

Tgt Ion:152 Resp: 206220
Ion Ratio Lower Upper
152 100
115 61.9 32.3 96.8
150 157.2 0.0 351.0





#95

Naphthalene

Concen: 1.198 ug/l

RT: 15.611 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN087782.D

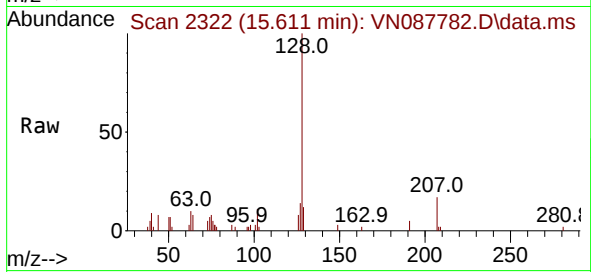
Acq: 10 Sep 2025 15:47

Instrument :

MSVOA_N

ClientSampleId :

MW4



Tgt Ion:	128	Resp:	18706
Ion	Ratio	Lower	Upper
128	100		
127	17.3	10.6	15.8#
129	12.7	8.6	12.8

