

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091825\
 Data File : VN087896.D
 Acq On : 18 Sep 2025 15:30
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 19 03:10:02 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)

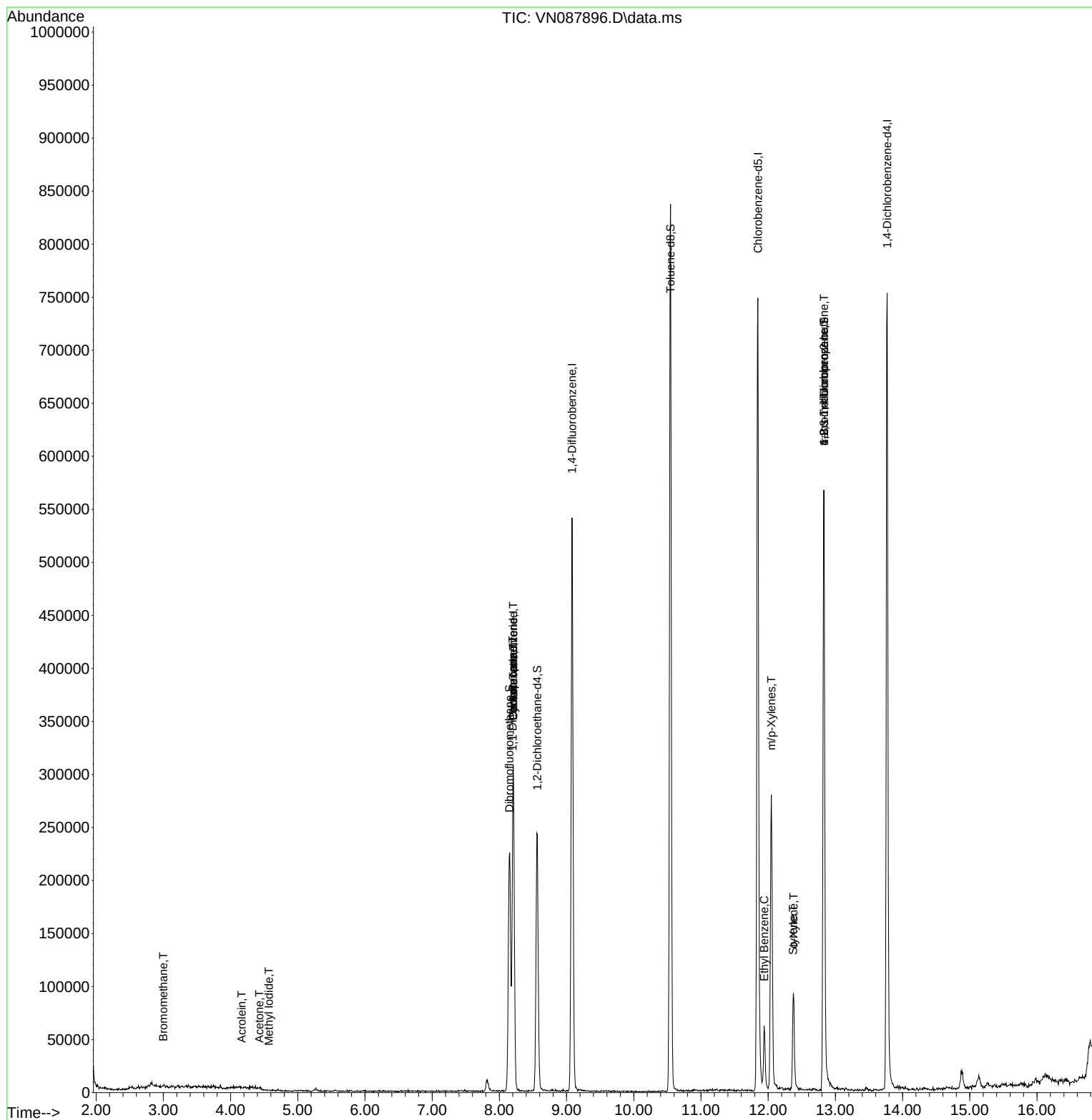
Internal Standards						
1) Pentafluorobenzene	8.206	168	214958	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	449189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	433041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	206296	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	200906	45.616	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	91.240%	
35) Dibromofluoromethane	8.147	113	162624	50.144	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	100.280%	
50) Toluene-d8	10.547	98	567470	46.750	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	93.500%	
62) 4-Bromofluorobenzene	12.829	95	206283	47.786	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	95.580%	
Target Compounds						
					Qvalue	
5) Bromomethane	3.000	94	1018	0.542	ug/l #	49
10) Methyl Iodide	4.571	142	372	6.953	ug/l #	38
13) Acrolein	4.165	56	281	0.299	ug/l #	14
16) Acetone	4.430	43	1036	0.432	ug/l #	85
20) Methylene Chloride	5.265	84	1250	Below Cal	#	82
31) Cyclohexane	8.206	56	5222	0.943	ug/l #	1
36) 1,1-Dichloropropene	8.200	75	17715	3.561	ug/l #	51
38) Carbon Tetrachloride	8.206	117	23086	4.700	ug/l #	14
67) Ethyl Benzene	11.941	91	41815	2.242	ug/l	92
68) m/p-Xylenes	12.047	106	91089	13.315	ug/l	95
69) o-Xylene	12.376	106	28741	4.287	ug/l	94
70) Styrene	12.370	104	3005	0.268	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	109667	22.669	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	109667	60.014	ug/l #	1

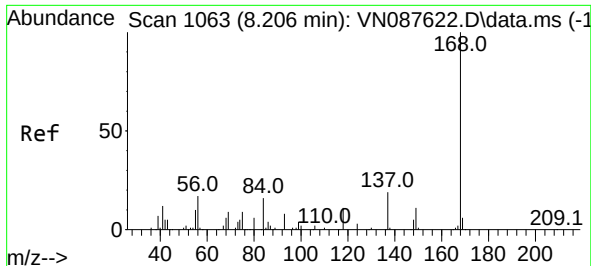
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091825\
Data File : VN087896.D
Acq On : 18 Sep 2025 15:30
Operator : JC\MD
Sample : IBLK
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

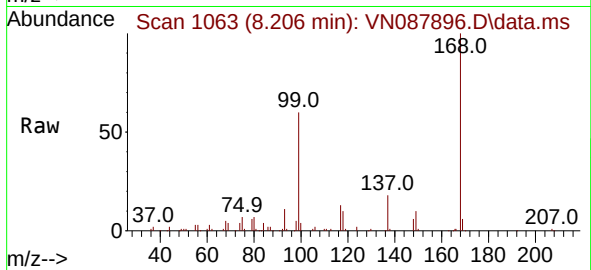
Quant Time: Sep 19 03:10:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration



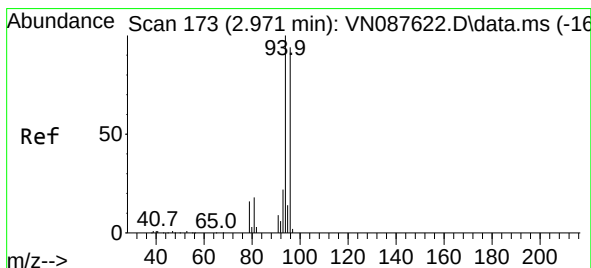
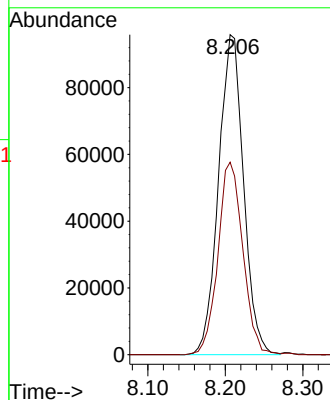
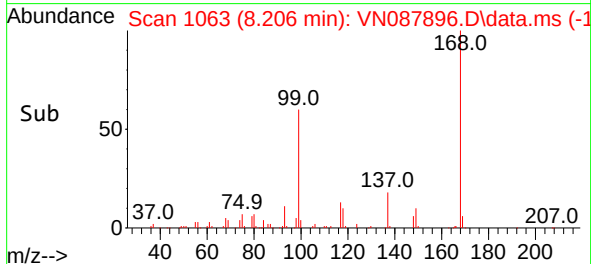


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087896.D
Acq: 18 Sep 2025 15:30

Instrument :
MSVOA_N
ClientSampleId :

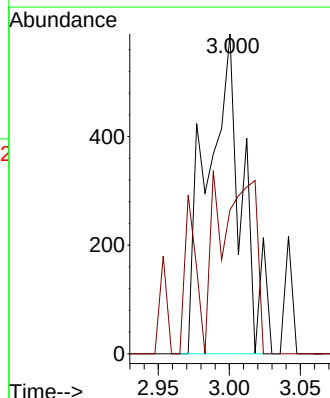
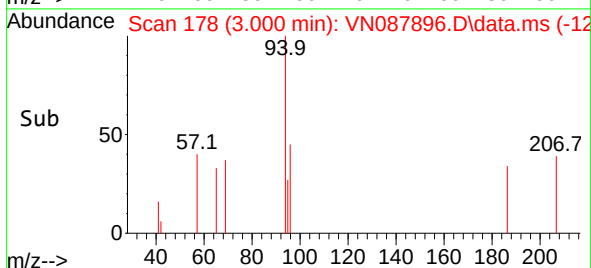
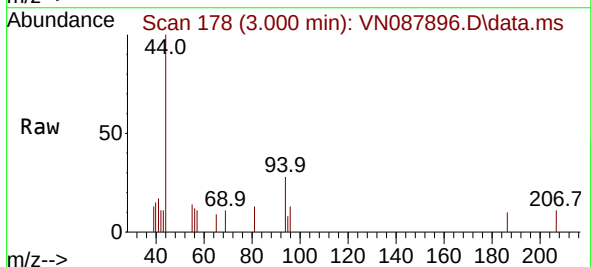


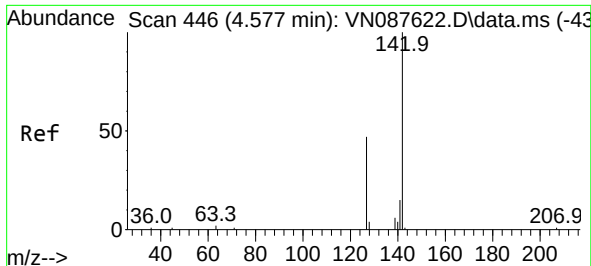
Tgt Ion:168 Resp: 214958
Ion Ratio Lower Upper
168 100
99 60.2 57.2 85.8



#5
Bromomethane
Concen: 0.542 ug/l
RT: 3.000 min Scan# 178
Delta R.T. 0.029 min
Lab File: VN087896.D
Acq: 18 Sep 2025 15:30

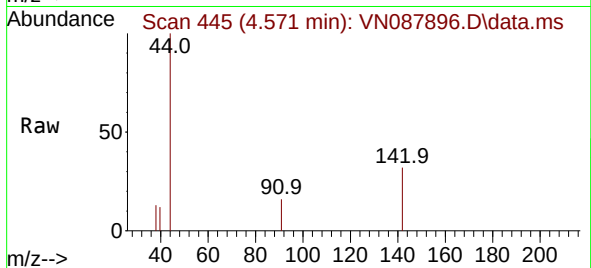
Tgt Ion: 94 Resp: 1018
Ion Ratio Lower Upper
94 100
96 45.0 75.4 113.2#



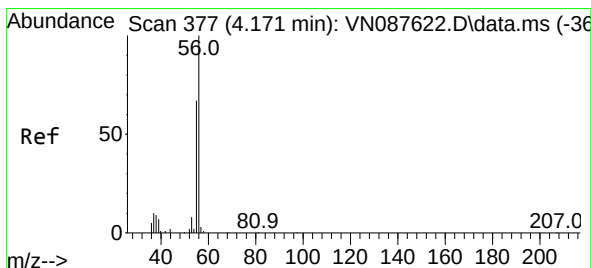
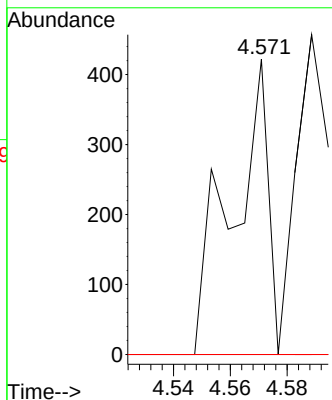
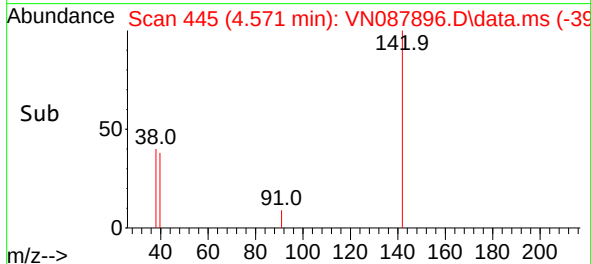


#10
Methyl Iodide
Concen: 6.953 ug/l
RT: 4.571 min Scan# 446
Delta R.T. -0.006 min
Lab File: VN087896.D
Acq: 18 Sep 2025 15:30

Instrument :
MSVOA_N
ClientSampleId :

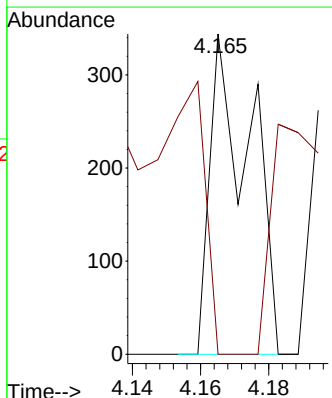
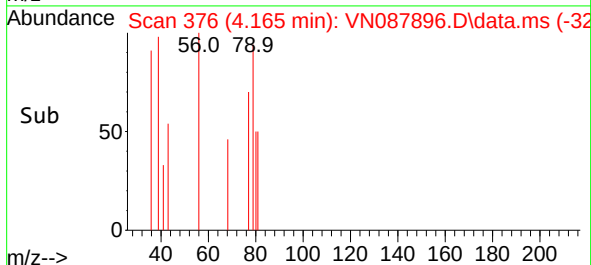
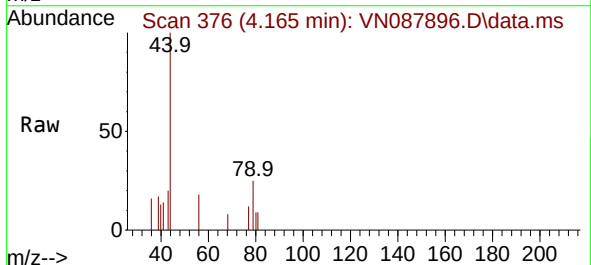


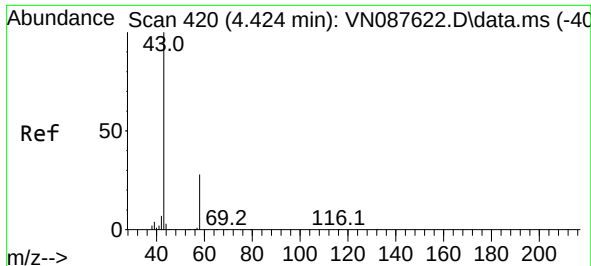
Tgt Ion:142 Resp: 372
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#



#13
Acrolein
Concen: 0.299 ug/l
RT: 4.165 min Scan# 376
Delta R.T. -0.006 min
Lab File: VN087896.D
Acq: 18 Sep 2025 15:30

Tgt Ion: 56 Resp: 281
Ion Ratio Lower Upper
56 100
55 0.0 57.3 85.9#

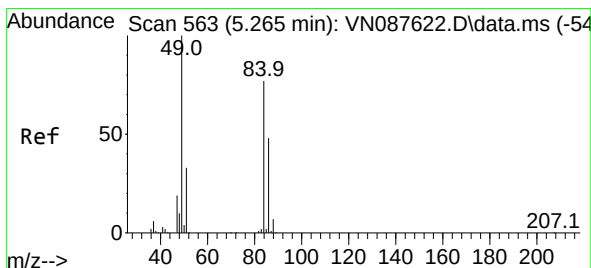
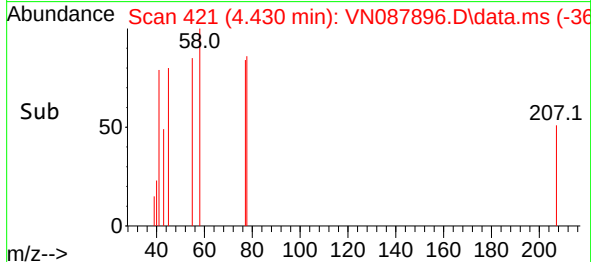
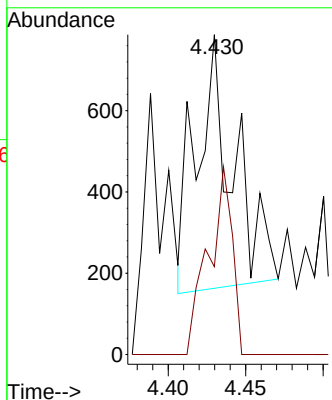
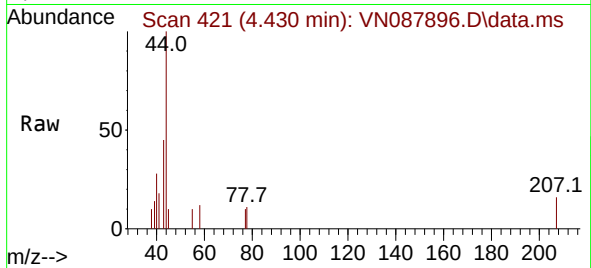




#16
Acetone
Concen: 0.432 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN087896.D
Acq: 18 Sep 2025 15:30

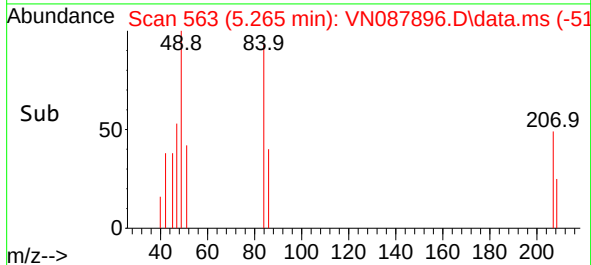
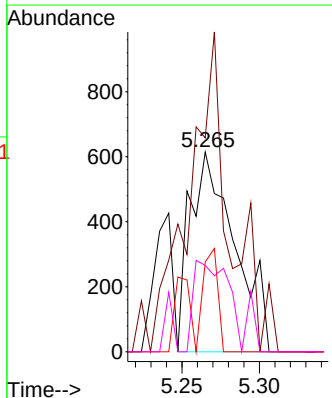
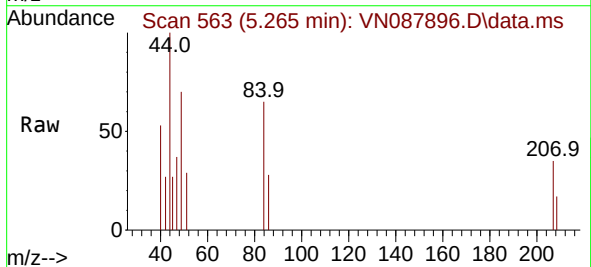
Instrument :
MSVOA_N
ClientSampleId :

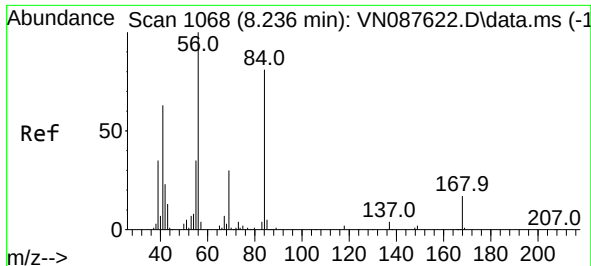
Tgt Ion: 43 Resp: 1036
Ion Ratio Lower Upper
43 100
58 35.9 22.6 33.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.265 min Scan# 563
Delta R.T. 0.000 min
Lab File: VN087896.D
Acq: 18 Sep 2025 15:30

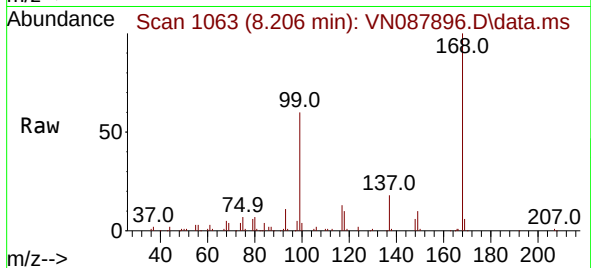
Tgt Ion: 84 Resp: 1250
Ion Ratio Lower Upper
84 100
49 107.0 103.4 155.2
51 44.9 33.8 50.8
86 43.3 49.6 74.4#



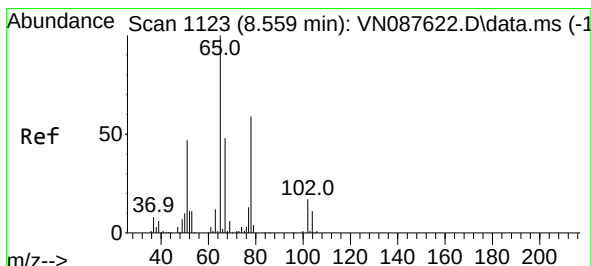
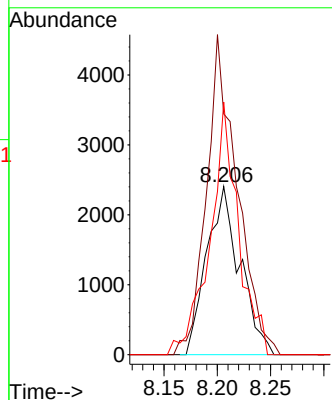
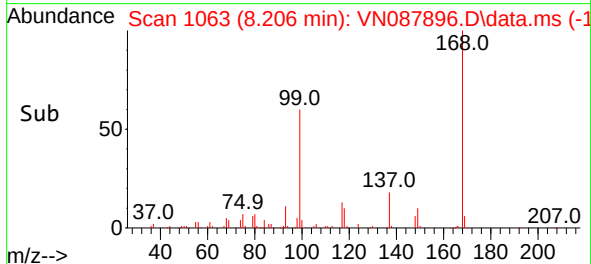


#31
Cyclohexane
Concen: 0.943 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.030 min
Lab File: VN087896.D
Acq: 18 Sep 2025 15:30

Instrument :
MSVOA_N
ClientSampleId :

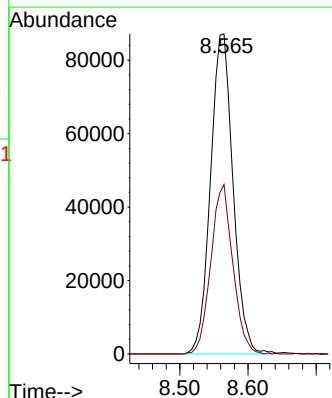
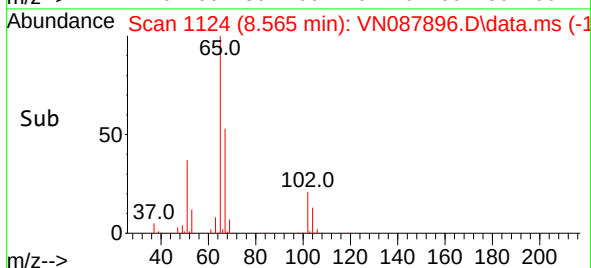
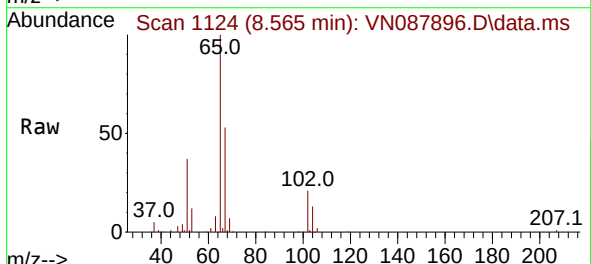


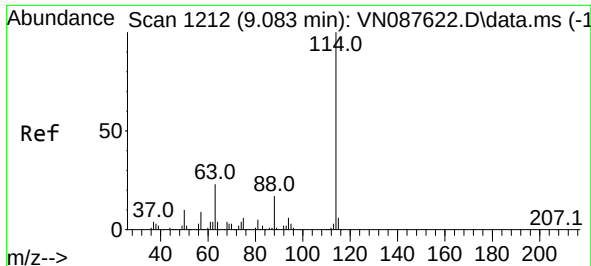
Tgt Ion: 56 Resp: 5222
Ion Ratio Lower Upper
56 100
69 143.3 23.7 35.5#
84 150.2 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 45.616 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087896.D
Acq: 18 Sep 2025 15:30

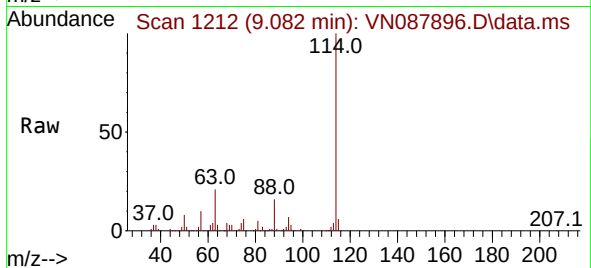
Tgt Ion: 65 Resp: 200906
Ion Ratio Lower Upper
65 100
67 51.6 0.0 100.0



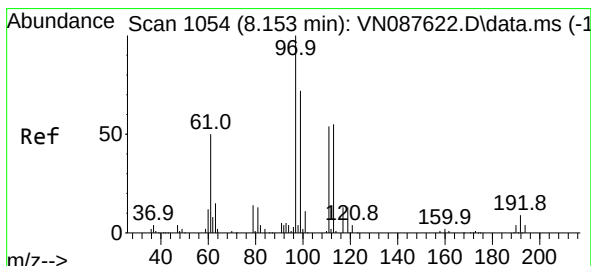
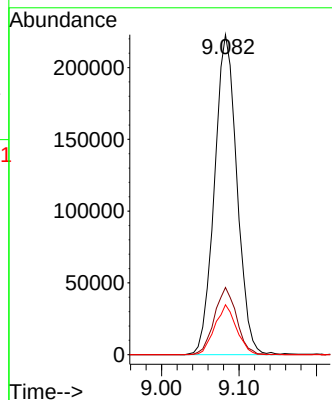
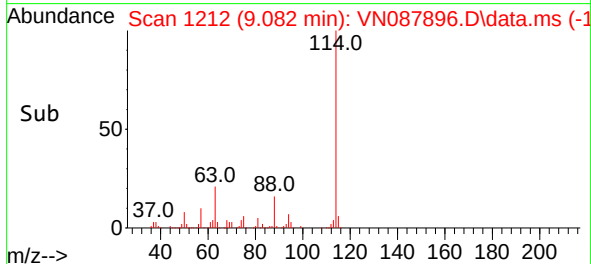


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087896.D
Acq: 18 Sep 2025 15:30

Instrument :
MSVOA_N
ClientSampleId :

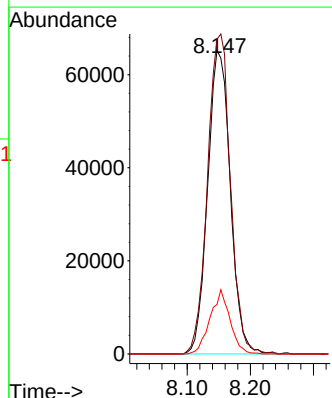
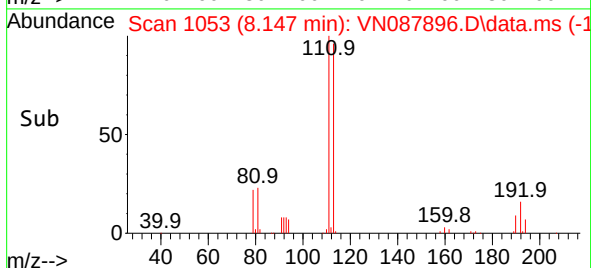
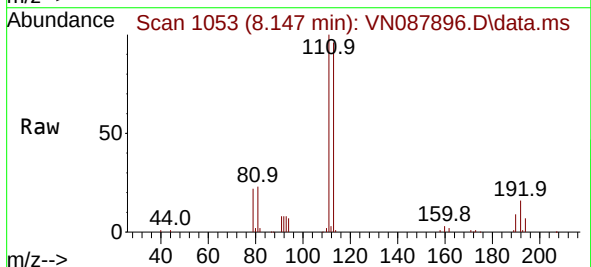


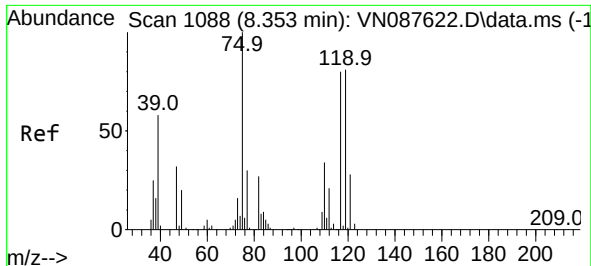
Tgt Ion:114 Resp: 449189
Ion Ratio Lower Upper
114 100
63 21.0 0.0 45.2
88 15.6 0.0 33.4



#35
Dibromofluoromethane
Concen: 50.144 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087896.D
Acq: 18 Sep 2025 15:30

Tgt Ion:113 Resp: 162624
Ion Ratio Lower Upper
113 100
111 106.2 82.8 124.2
192 18.6 12.8 19.2





#36

1,1-Dichloropropene

Concen: 3.561 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.153 min

Lab File: VN087896.D

Acq: 18 Sep 2025 15:30

Instrument :

MSVOA_N

ClientSampleId :

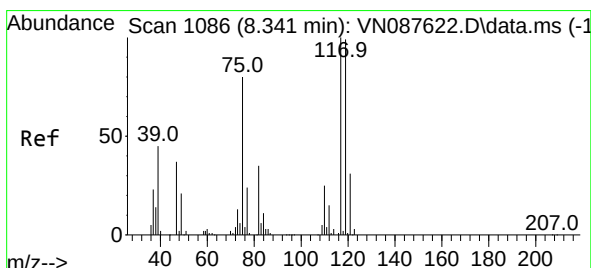
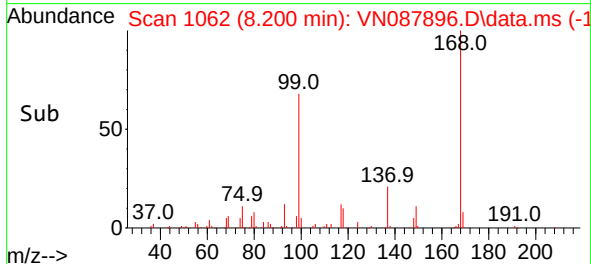
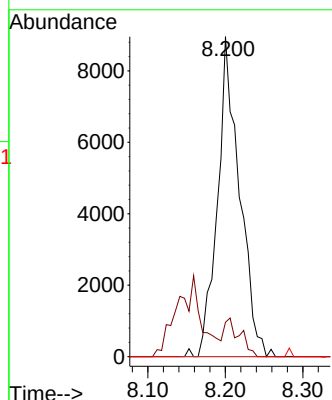
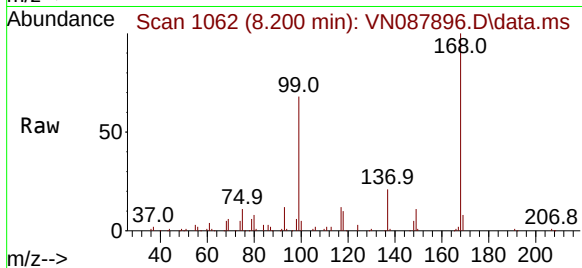
Tgt Ion: 75 Resp: 17715

Ion Ratio Lower Upper

75 100

110 8.5 15.9 47.6#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.700 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.135 min

Lab File: VN087896.D

Acq: 18 Sep 2025 15:30

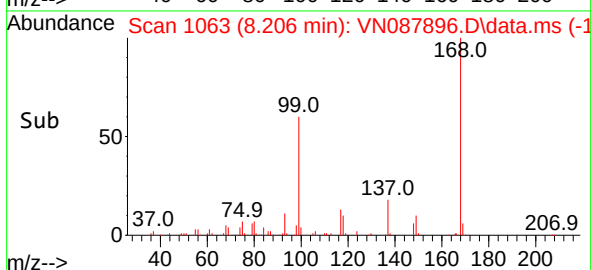
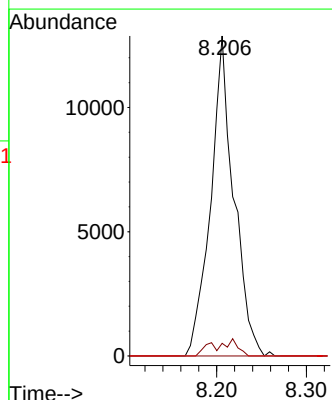
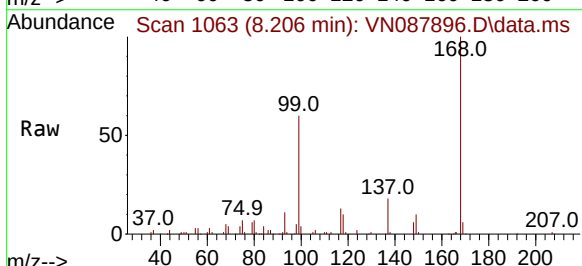
Tgt Ion: 117 Resp: 23086

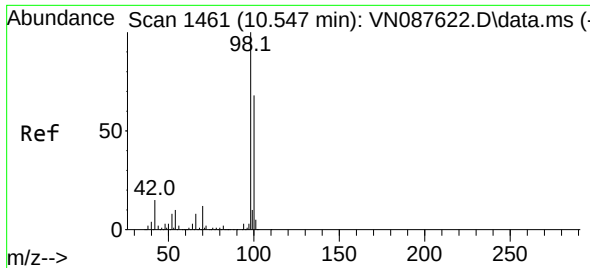
Ion Ratio Lower Upper

117 100

119 4.0 79.0 118.6#

121 0.0 25.0 37.6#

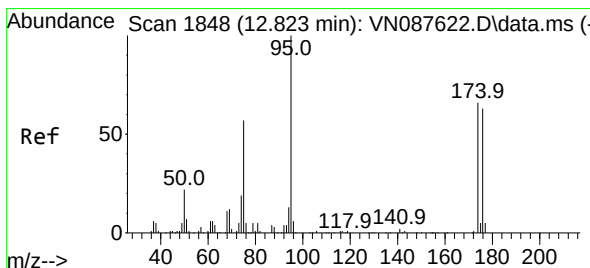
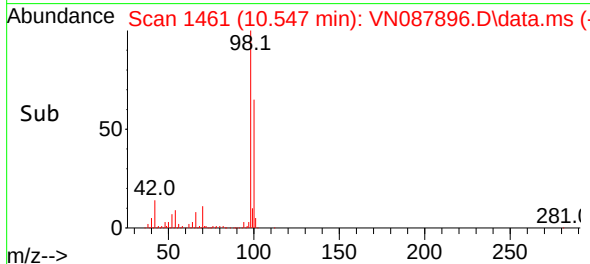
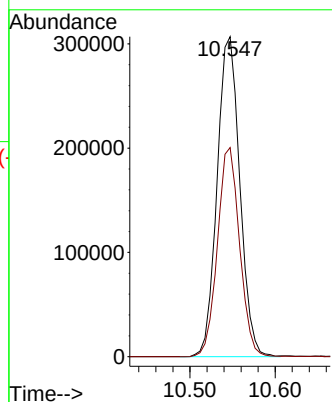
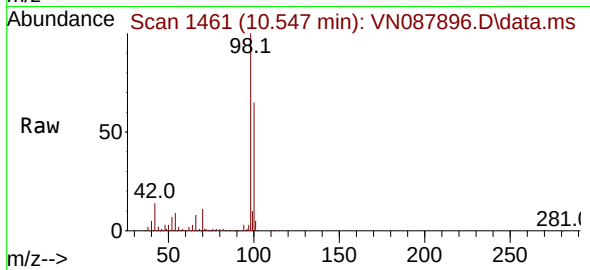




#50
Toluene-d8
Concen: 46.750 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087896.D
Acq: 18 Sep 2025 15:30

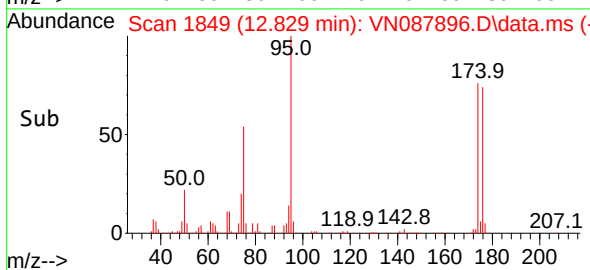
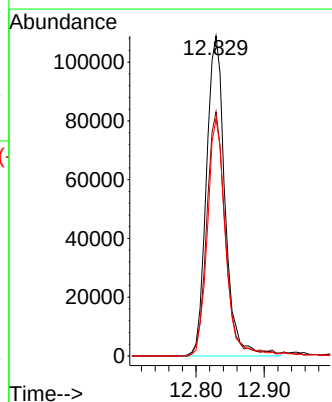
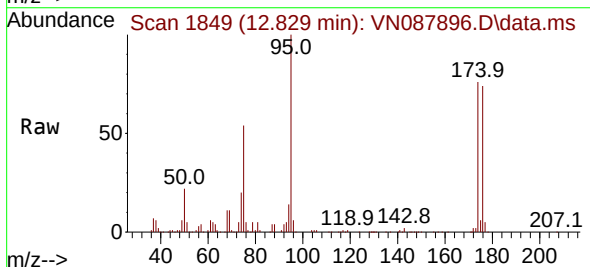
Instrument :
MSVOA_N
ClientSampleId :

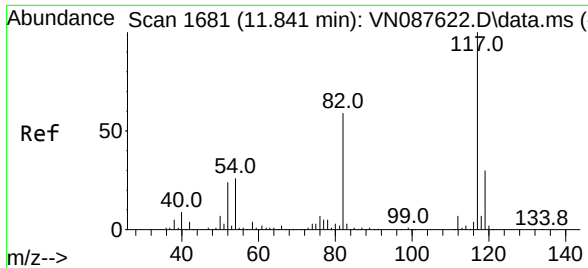
Tgt Ion: 98 Resp: 567470
Ion Ratio Lower Upper
98 100
100 63.8 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 47.786 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087896.D
Acq: 18 Sep 2025 15:30

Tgt Ion: 95 Resp: 206283
Ion Ratio Lower Upper
95 100
174 75.3 0.0 138.4
176 72.5 0.0 132.6

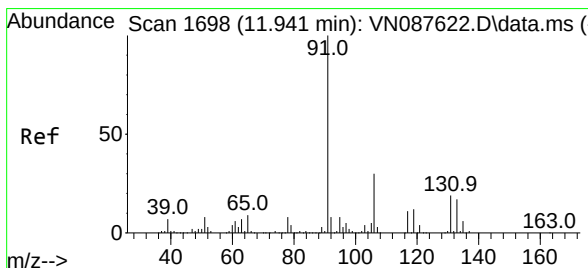
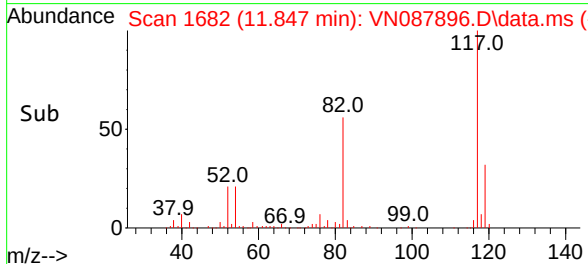
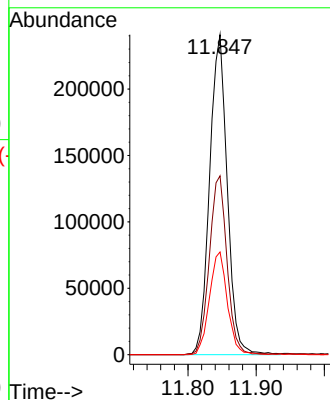
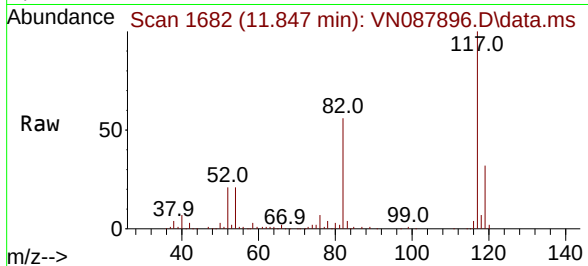




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN087896.D
Acq: 18 Sep 2025 15:30

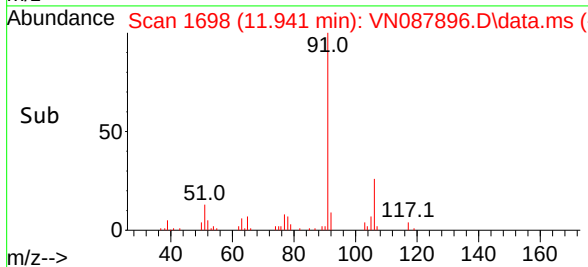
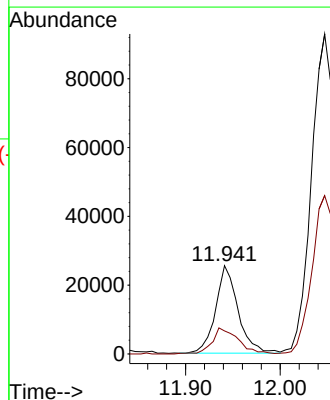
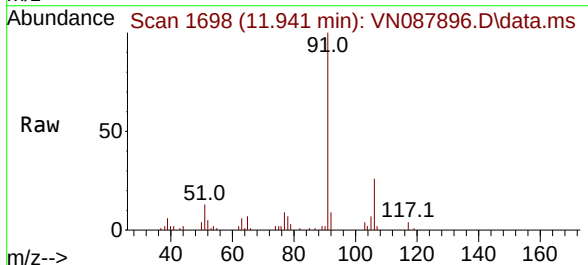
Instrument :
MSVOA_N
ClientSampleId :

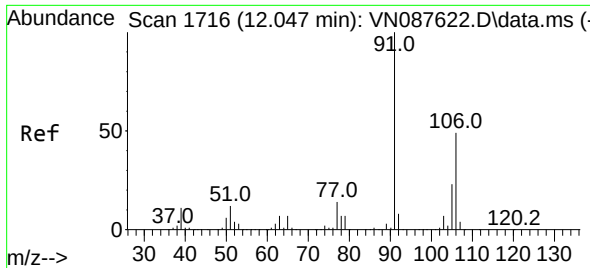
Tgt Ion:117 Resp: 433041
Ion Ratio Lower Upper
117 100
82 55.9 47.4 71.2
119 32.1 24.3 36.5



#67
Ethyl Benzene
Concen: 2.242 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN087896.D
Acq: 18 Sep 2025 15:30

Tgt Ion: 91 Resp: 41815
Ion Ratio Lower Upper
91 100
106 25.6 24.1 36.1

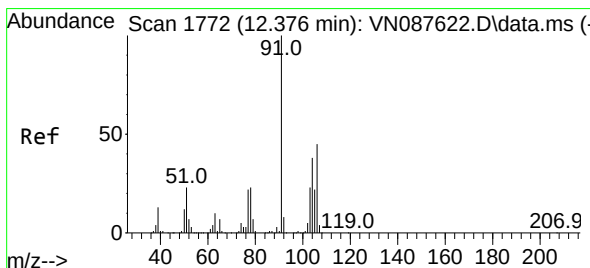
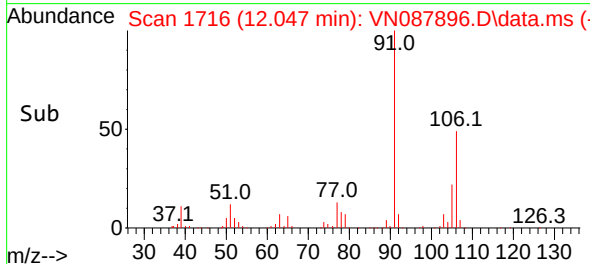
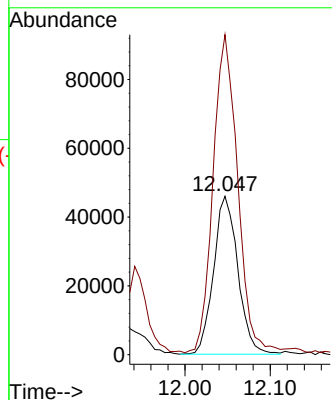
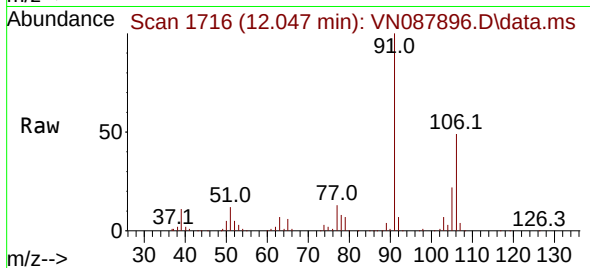




#68
m/p-Xylenes
Concen: 13.315 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN087896.D
Acq: 18 Sep 2025 15:30

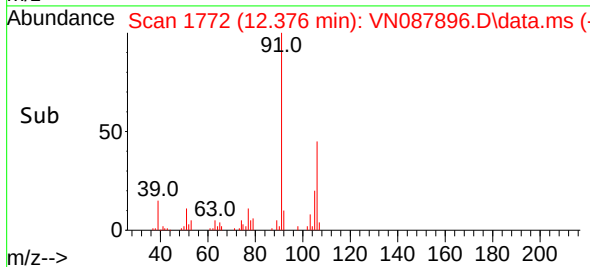
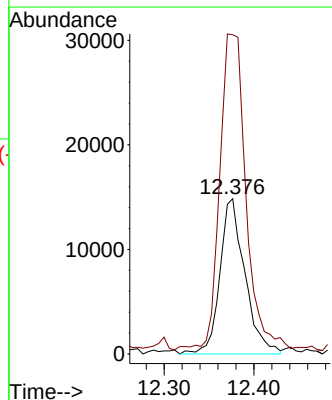
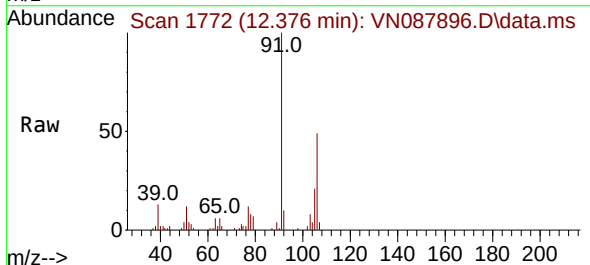
Instrument :
MSVOA_N
ClientSampleId :

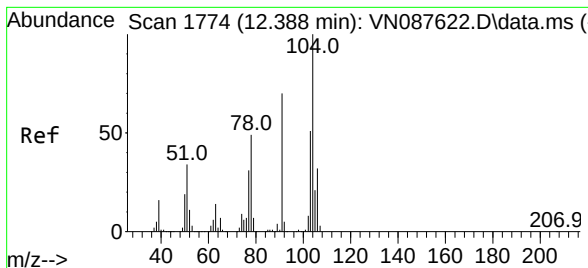
Tgt Ion:106 Resp: 91089
Ion Ratio Lower Upper
106 100
91 203.0 169.3 253.9



#69
o-Xylene
Concen: 4.287 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN087896.D
Acq: 18 Sep 2025 15:30

Tgt Ion:106 Resp: 28741
Ion Ratio Lower Upper
106 100
91 213.5 111.4 334.2





#70

Styrene

Concen: 0.268 ug/l

RT: 12.370 min Scan# 11

Delta R.T. -0.018 min

Lab File: VN087896.D

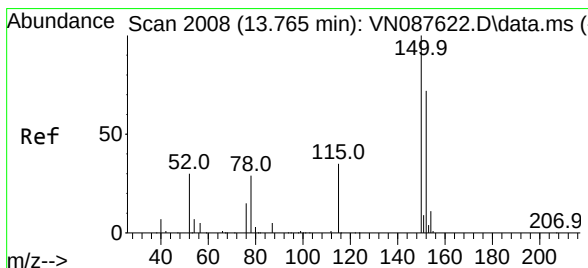
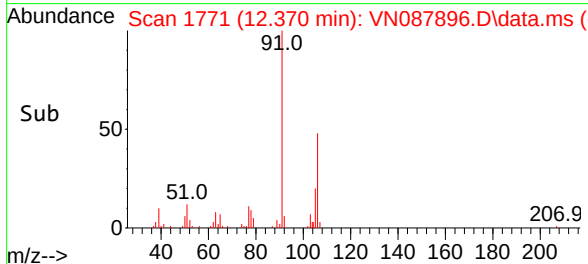
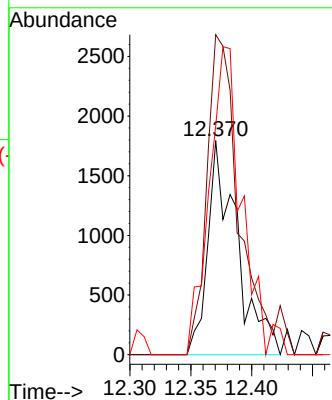
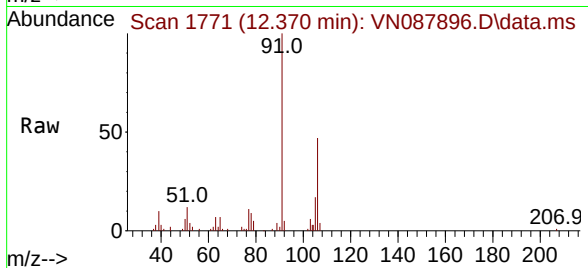
Acq: 18 Sep 2025 15:30

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	104	Resp:	3005
Ion Ratio	Lower	Upper	
104	100		
78	168.1	42.2	63.2#
103	161.3	43.4	65.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

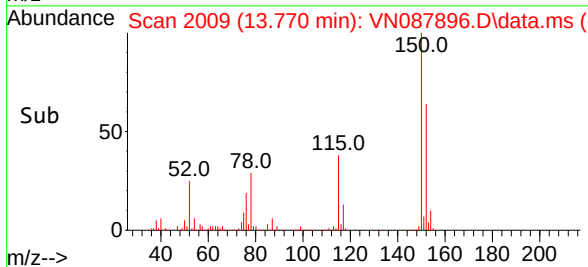
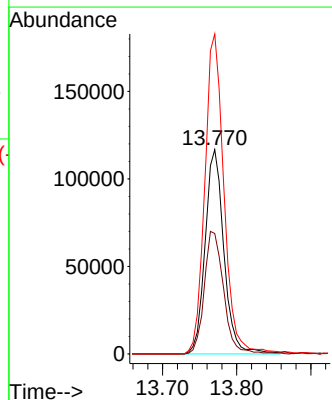
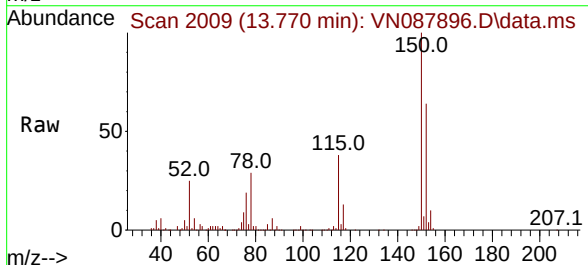
RT: 13.770 min Scan# 2009

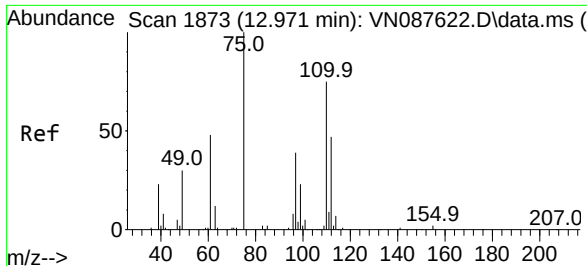
Delta R.T. 0.006 min

Lab File: VN087896.D

Acq: 18 Sep 2025 15:30

Tgt Ion:	152	Resp:	206296
Ion Ratio	Lower	Upper	
152	100		
115	61.6	32.3	96.8
150	159.5	0.0	351.0

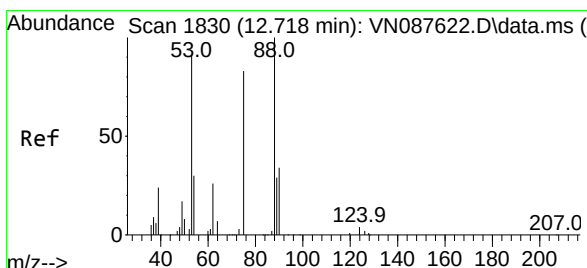
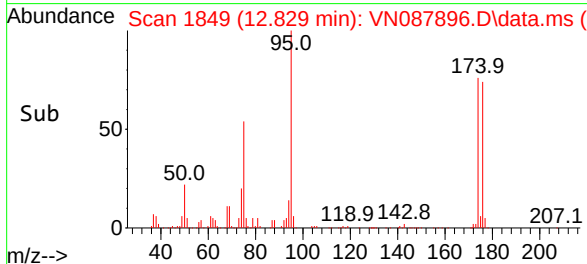
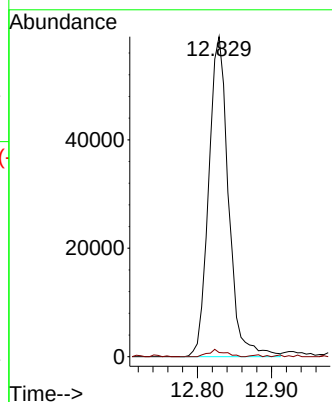
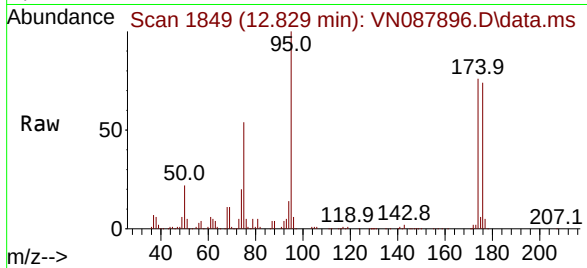




#76
1,2,3-Trichloropropane
Concen: 22.669 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087896.D
Acq: 18 Sep 2025 15:30

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 109667
Ion Ratio Lower Upper
75 100
77 1.8 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.014 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087896.D
Acq: 18 Sep 2025 15:30

Tgt Ion: 75 Resp: 109667
Ion Ratio Lower Upper
75 100
53 0.2 101.8 152.6#
89 0.0 35.6 53.4#

