

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
 Data File : VN088089.D
 Acq On : 24 Oct 2025 13:22
 Operator : JC\MD
 Sample : VN1024WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBL01

Quant Time: Oct 25 01:02:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

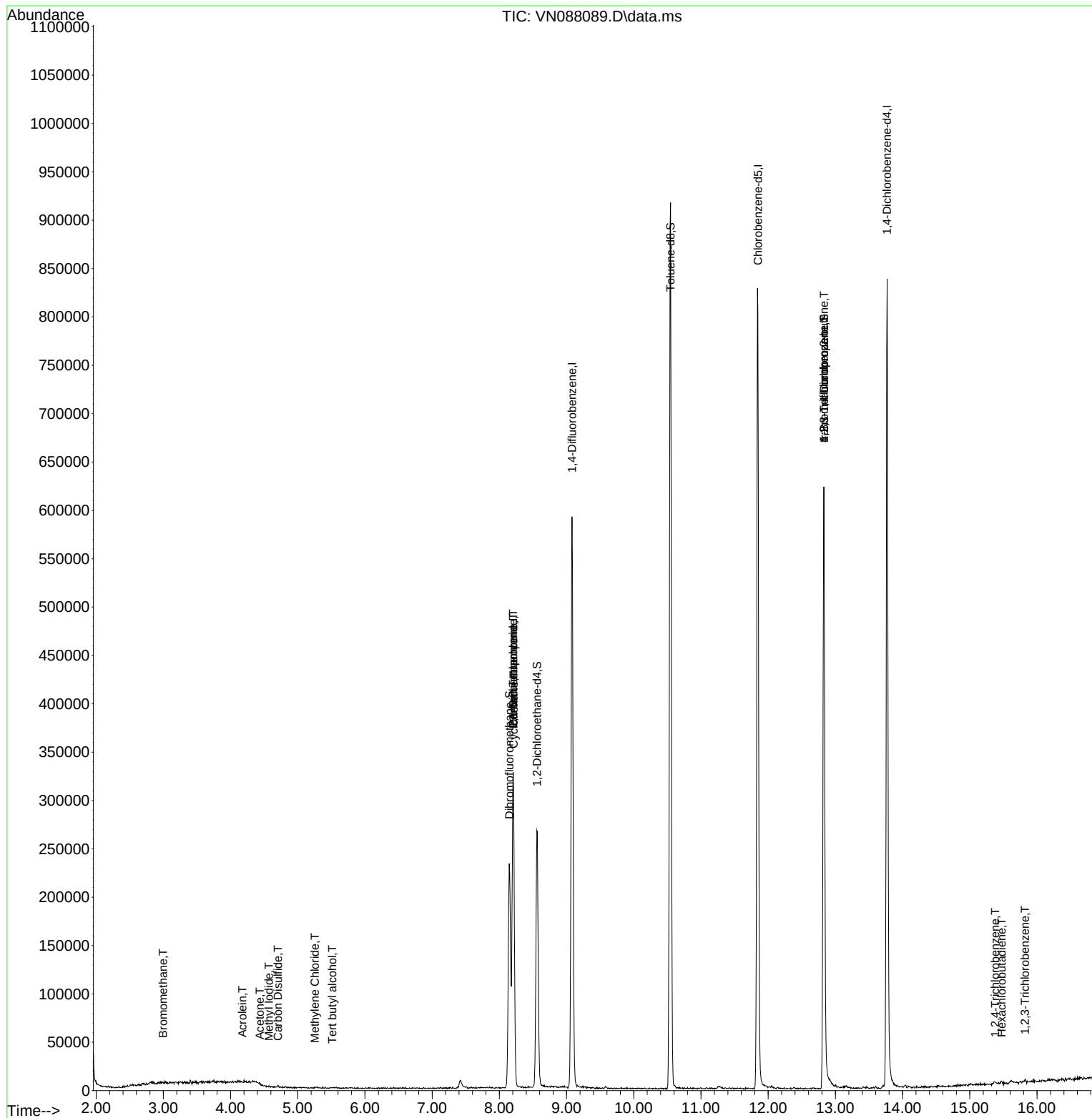
Internal Standards						
1) Pentafluorobenzene	8.206	168	216989	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	492274	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	454718	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	221253	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	223607	59.594	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.180%			
35) Dibromofluoromethane	8.147	113	170936	51.687	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.380%			
50) Toluene-d8	10.547	98	622807	48.875	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.740%			
62) 4-Bromofluorobenzene	12.829	95	234859	52.187	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.380%			
Target Compounds					Qvalue	
5) Bromomethane	2.995	94	792	0.422	ug/l #	51
10) Methyl Iodide	4.571	142	149	4.264	ug/l #	38
11) Tert butyl alcohol	5.512	59	308	0.476	ug/l #	71
13) Acrolein	4.177	56	337	0.463	ug/l #	78
16) Acetone	4.436	43	494	0.262	ug/l #	47
17) Carbon Disulfide	4.706	76	2237	0.270	ug/l #	75
20) Methylene Chloride	5.253	84	442	0.921	ug/l #	9
31) Cyclohexane	8.212	56	7253	1.381	ug/l #	18
36) 1,1-Dichloropropene	8.206	75	20824	4.312	ug/l #	52
38) Carbon Tetrachloride	8.206	117	25517	5.116	ug/l #	16
76) 1,2,3-Trichloropropane	12.829	75	132573	26.208	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	132573	73.108	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.376	180	879	0.205	ug/l #	67
94) Hexachlorobutadiene	15.476	225	401	0.251	ug/l #	61
96) 1,2,3-Trichlorobenzene	15.823	180	1176	0.286	ug/l #	63

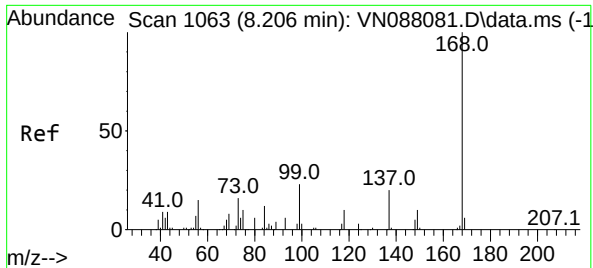
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
Data File : VN088089.D
Acq On : 24 Oct 2025 13:22
Operator : JC\MD
Sample : VN1024WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBL01

Quant Time: Oct 25 01:02:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

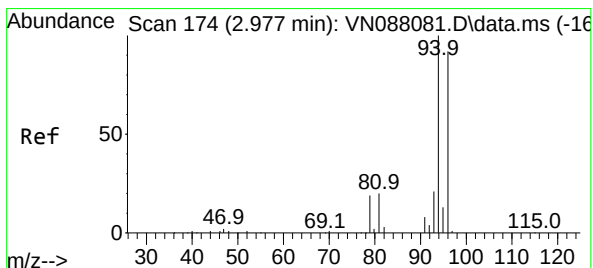
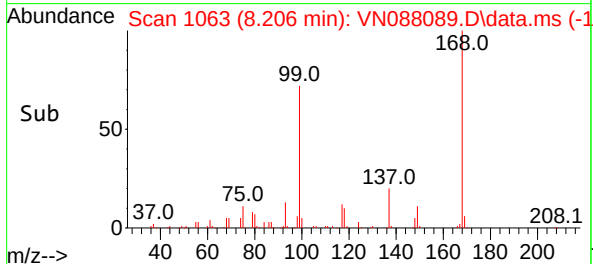
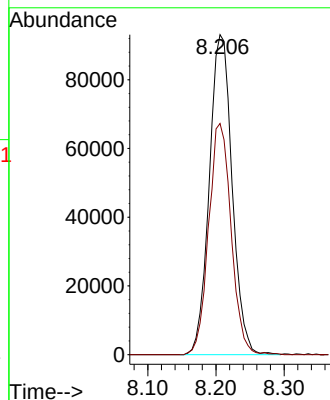
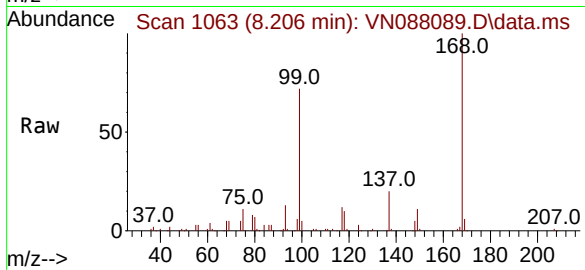




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088089.D
Acq: 24 Oct 2025 13:22

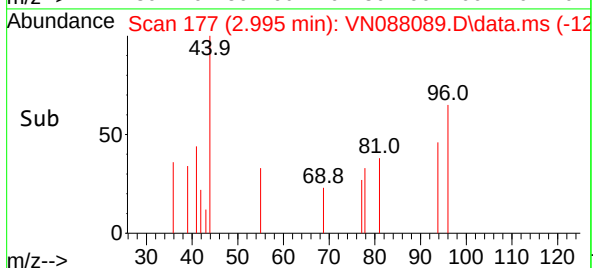
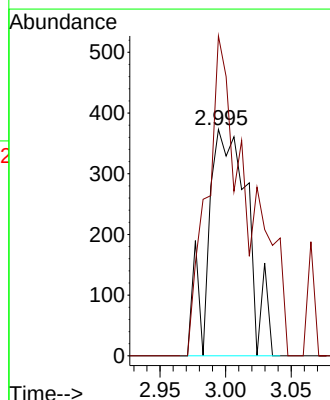
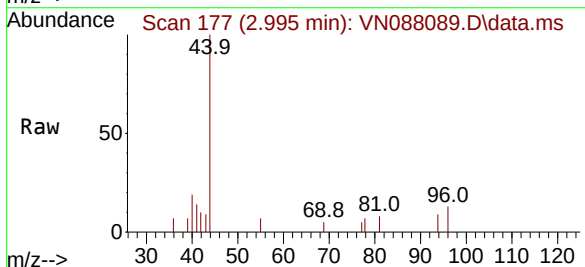
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBL01

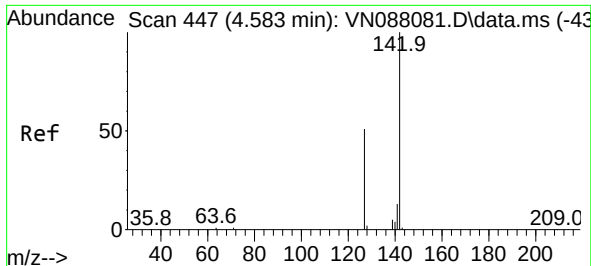
Tgt Ion:168 Resp: 216989
Ion Ratio Lower Upper
168 100
99 72.2 57.2 85.8



#5
Bromomethane
Concen: 0.422 ug/l
RT: 2.995 min Scan# 177
Delta R.T. 0.023 min
Lab File: VN088089.D
Acq: 24 Oct 2025 13:22

Tgt Ion: 94 Resp: 792
Ion Ratio Lower Upper
94 100
96 141.3 75.4 113.2#

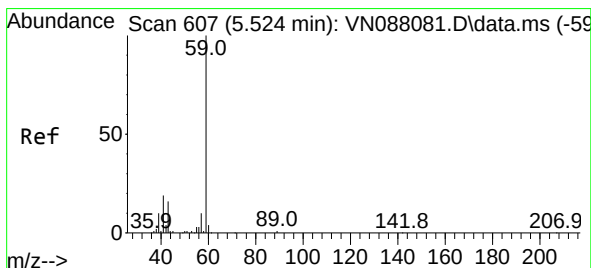
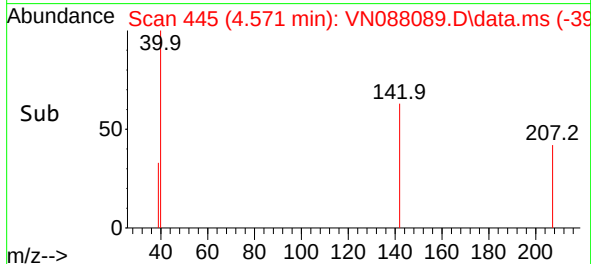
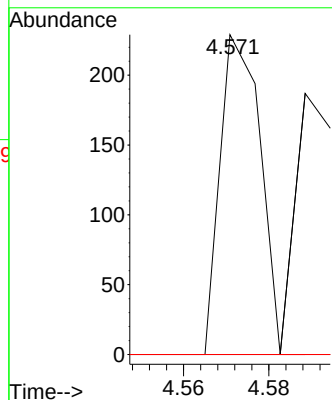
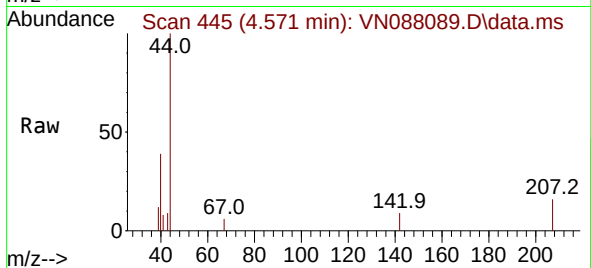




#10
Methyl Iodide
Concen: 4.264 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.006 min
Lab File: VN088089.D
Acq: 24 Oct 2025 13:22

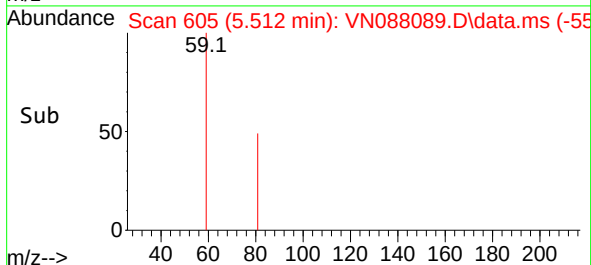
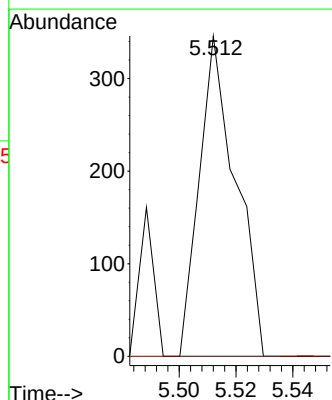
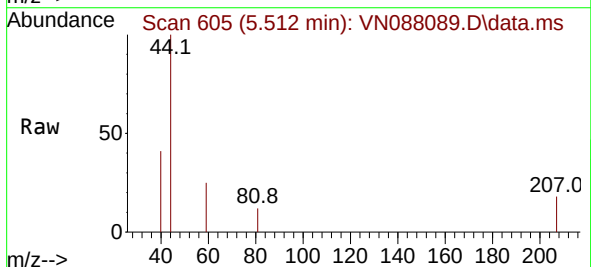
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBL01

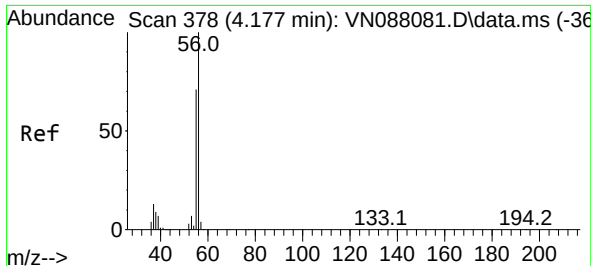
Tgt Ion:142 Resp: 149
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 0.476 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN088089.D
Acq: 24 Oct 2025 13:22

Tgt Ion: 59 Resp: 308
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

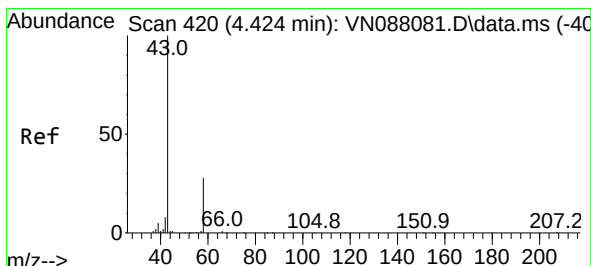
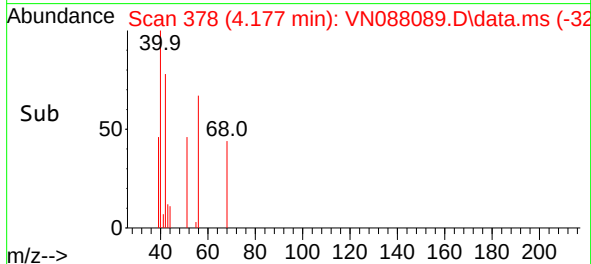
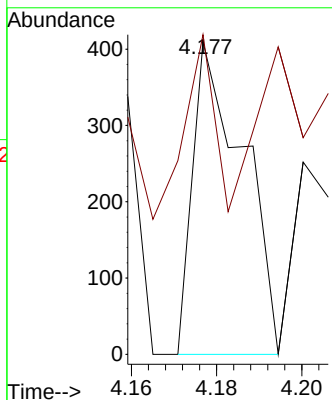
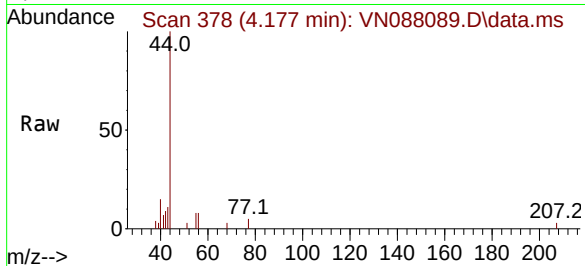




#13
Acrolein
Concen: 0.463 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN088089.D
Acq: 24 Oct 2025 13:22

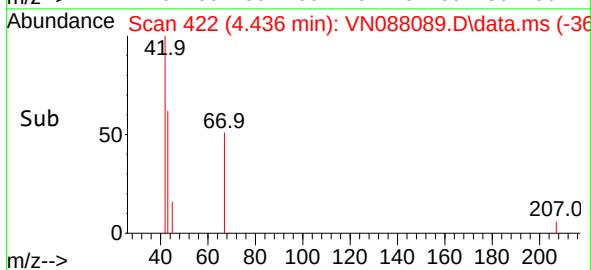
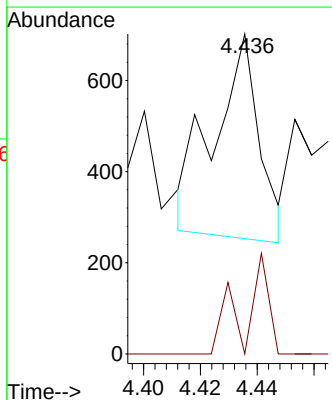
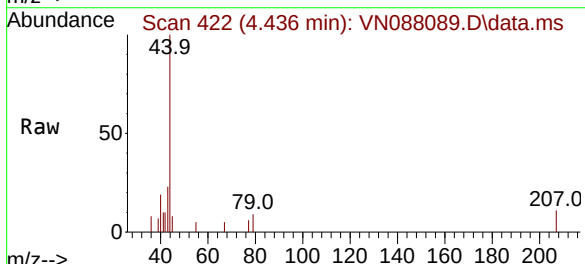
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBL01

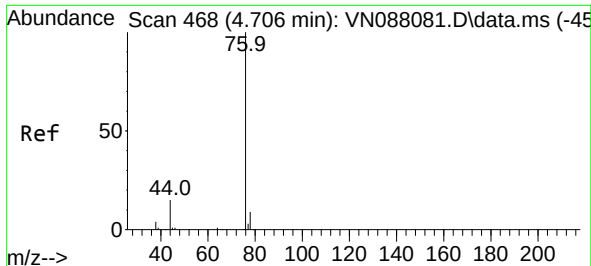
Tgt Ion: 56 Resp: 337
Ion Ratio Lower Upper
56 100
55 90.2 57.3 85.9#



#16
Acetone
Concen: 0.262 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN088089.D
Acq: 24 Oct 2025 13:22

Tgt Ion: 43 Resp: 494
Ion Ratio Lower Upper
43 100
58 0.0 22.6 33.8#

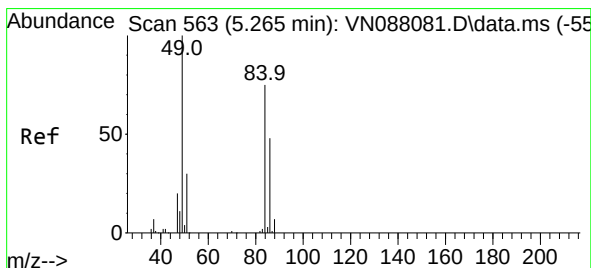
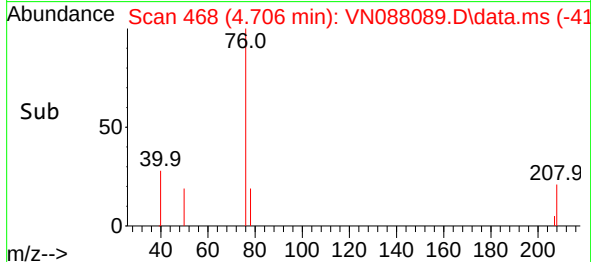
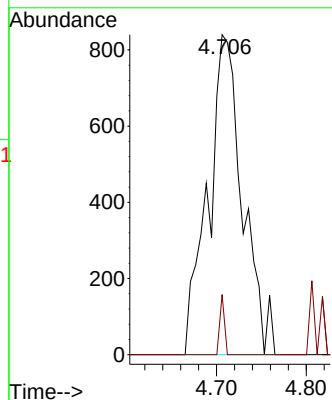
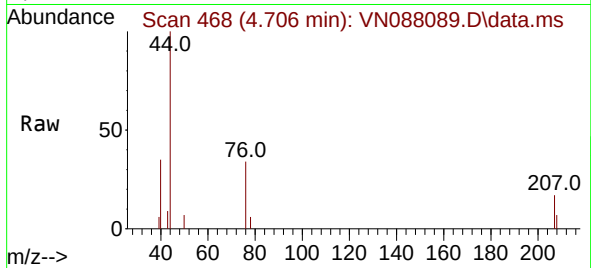




#17
Carbon Disulfide
Concen: 0.270 ug/l
RT: 4.706 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN088089.D
Acq: 24 Oct 2025 13:22

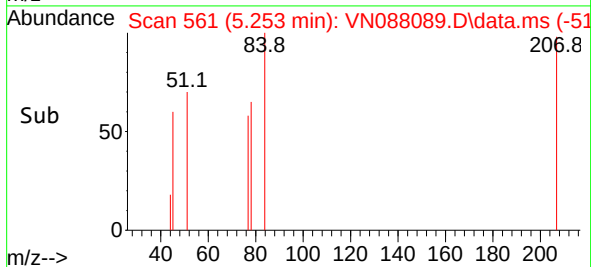
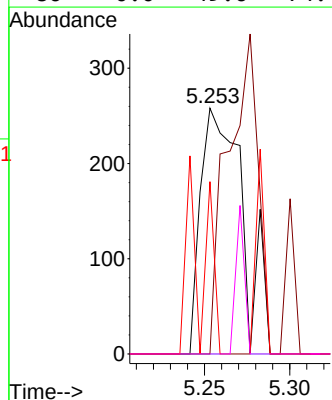
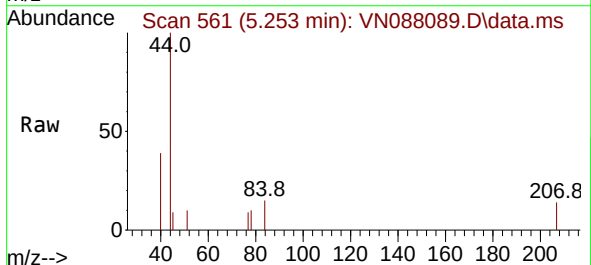
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBL01

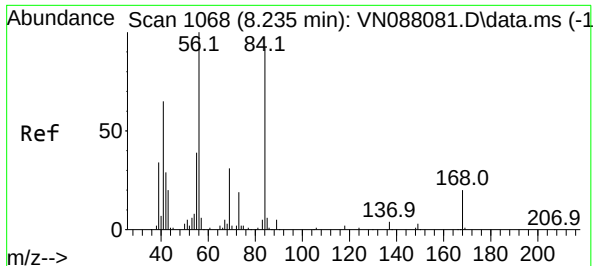
Tgt Ion: 76 Resp: 2237
Ion Ratio Lower Upper
76 100
78 18.8 7.6 11.4#



#20
Methylene Chloride
Concen: 0.921 ug/l
RT: 5.253 min Scan# 561
Delta R.T. -0.012 min
Lab File: VN088089.D
Acq: 24 Oct 2025 13:22

Tgt Ion: 84 Resp: 442
Ion Ratio Lower Upper
84 100
49 0.0 103.4 155.2#
51 70.2 33.8 50.8#
86 0.0 49.6 74.4#

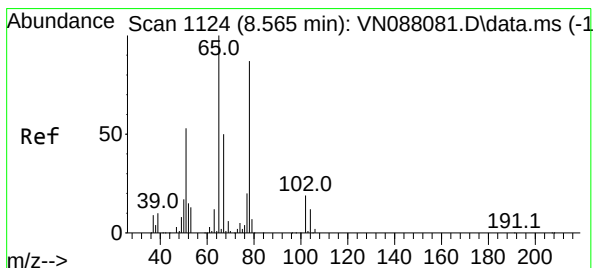
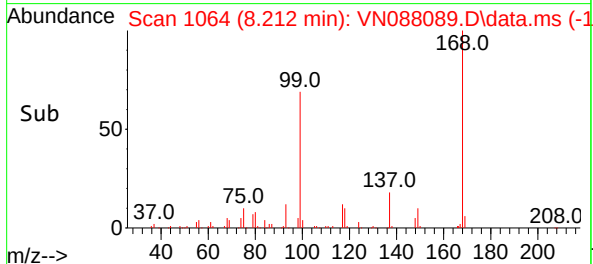
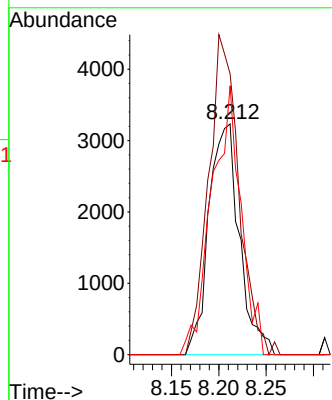
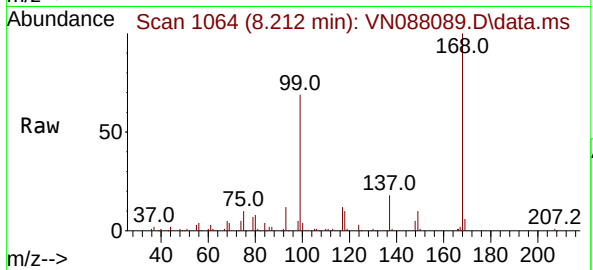




#31
Cyclohexane
Concen: 1.381 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.024 min
Lab File: VN088089.D
Acq: 24 Oct 2025 13:22

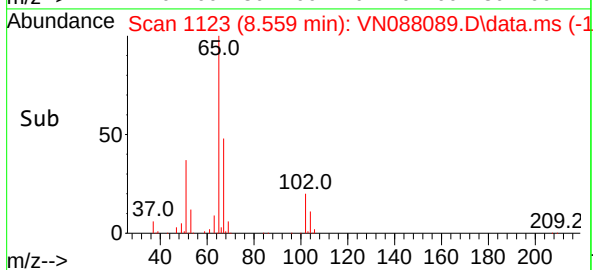
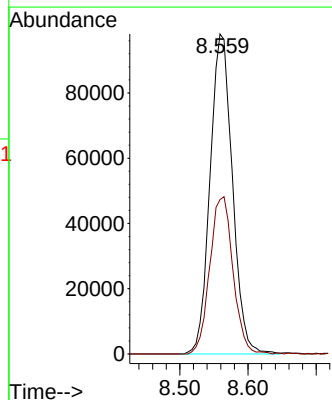
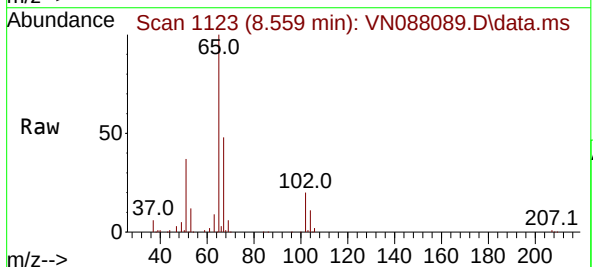
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBL01

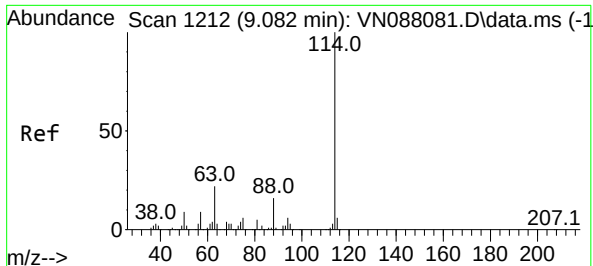
Tgt Ion: 56 Resp: 7253
Ion Ratio Lower Upper
56 100
69 121.6 23.7 35.5#
84 125.3 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 59.594 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088089.D
Acq: 24 Oct 2025 13:22

Tgt Ion: 65 Resp: 223607
Ion Ratio Lower Upper
65 100
67 51.0 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: VN088089.D

Acq: 24 Oct 2025 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBL01

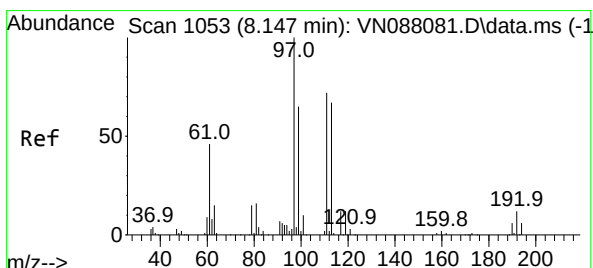
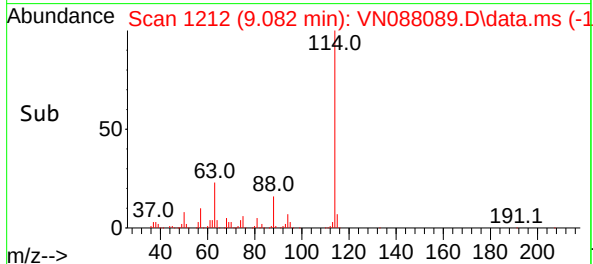
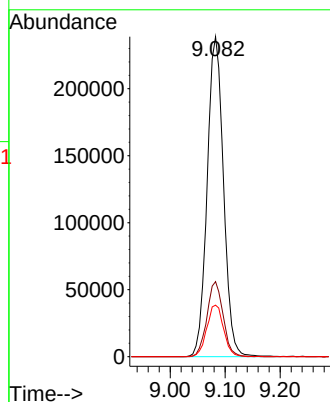
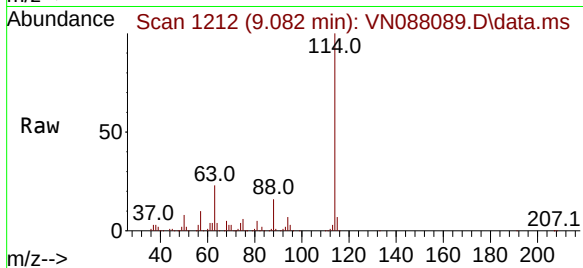
Tgt Ion:114 Resp: 492274

Ion Ratio Lower Upper

114 100

63 23.4 0.0 45.2

88 16.1 0.0 33.4



#35

Dibromofluoromethane

Concen: 51.687 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088089.D

Acq: 24 Oct 2025 13:22

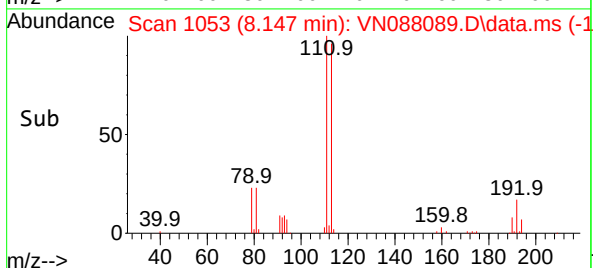
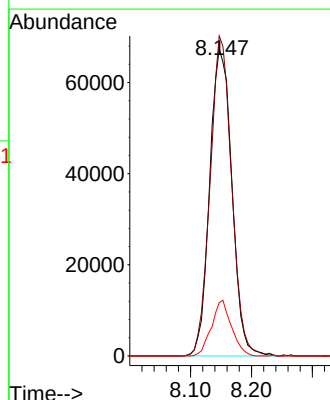
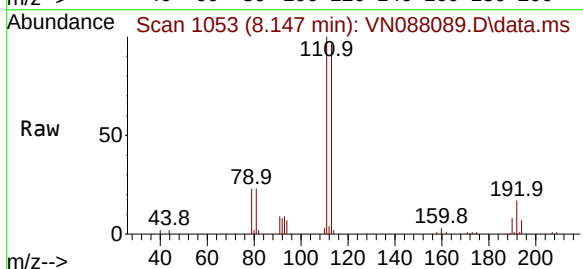
Tgt Ion:113 Resp: 170936

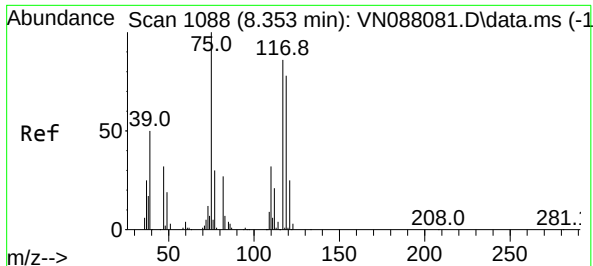
Ion Ratio Lower Upper

113 100

111 101.1 82.8 124.2

192 16.3 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.312 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN088089.D

Acq: 24 Oct 2025 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBL01

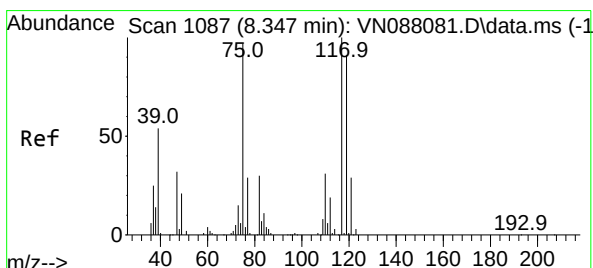
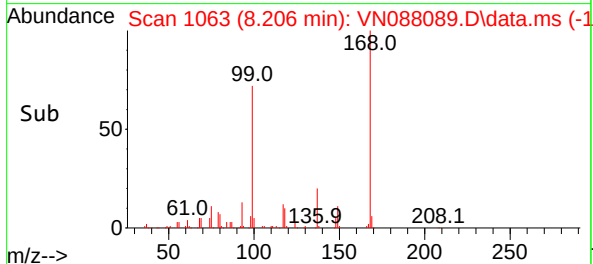
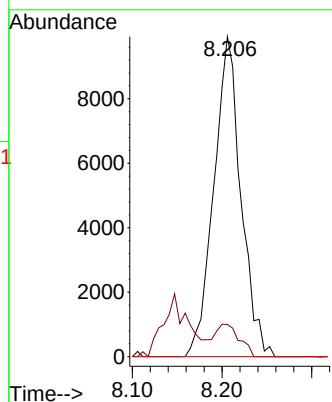
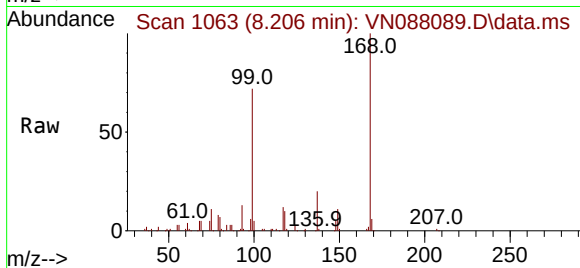
Tgt Ion: 75 Resp: 20824

Ion Ratio Lower Upper

75 100

110 9.4 15.9 47.6#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.116 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.135 min

Lab File: VN088089.D

Acq: 24 Oct 2025 13:22

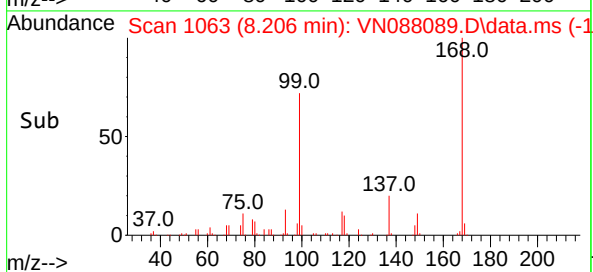
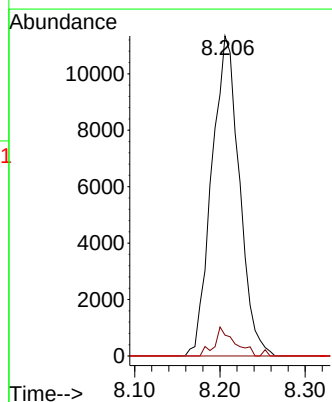
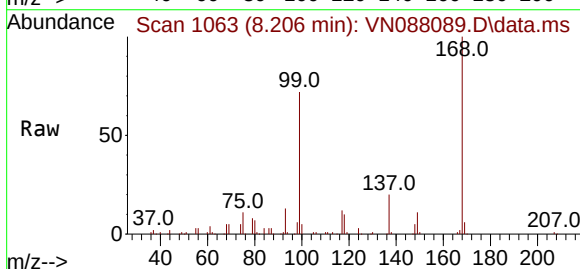
Tgt Ion: 117 Resp: 25517

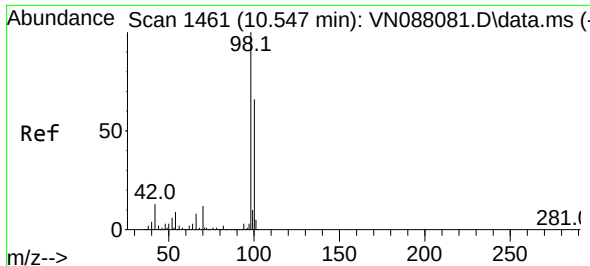
Ion Ratio Lower Upper

117 100

119 6.5 79.0 118.6#

121 0.0 25.0 37.6#

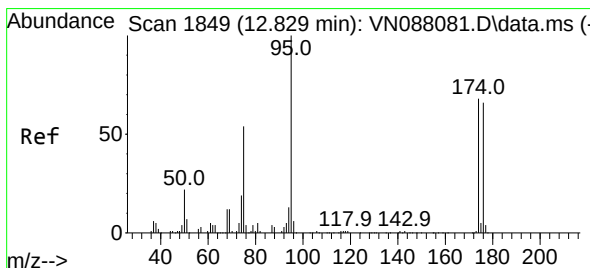
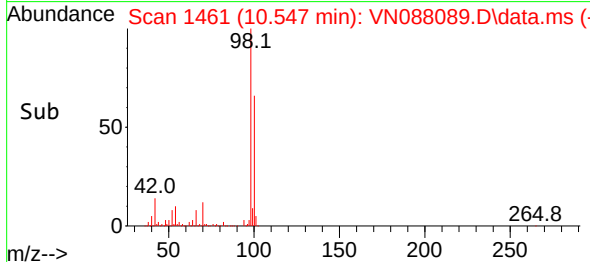
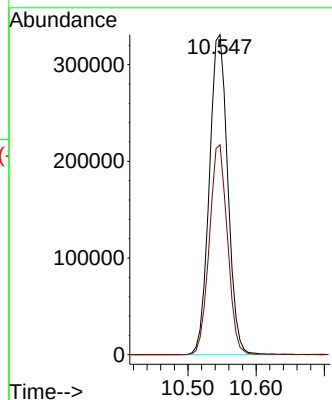
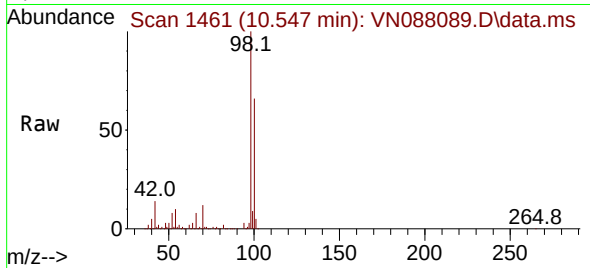




#50
Toluene-d8
Concen: 48.875 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088089.D
Acq: 24 Oct 2025 13:22

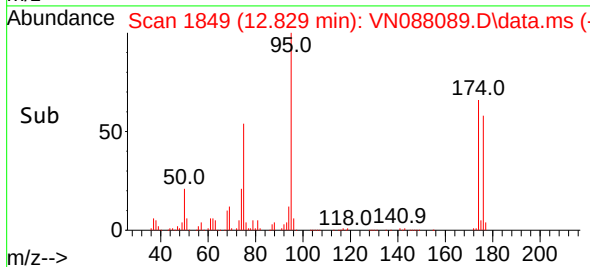
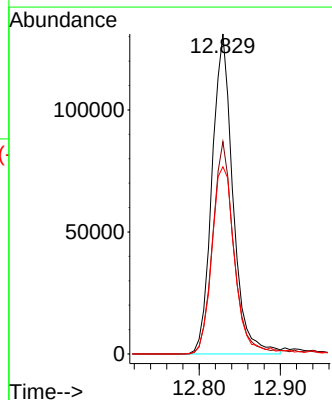
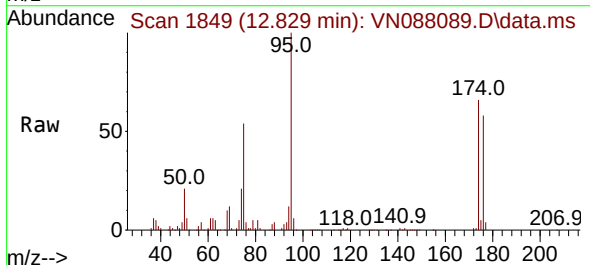
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBL01

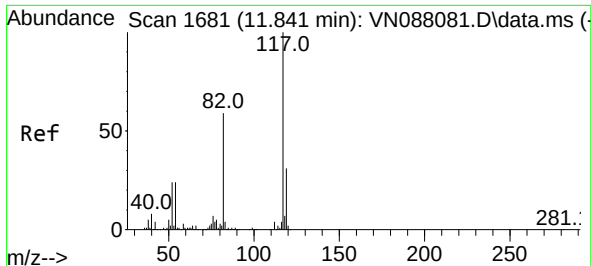
Tgt Ion: 98 Resp: 622807
Ion Ratio Lower Upper
98 100
100 64.6 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 52.187 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088089.D
Acq: 24 Oct 2025 13:22

Tgt Ion: 95 Resp: 234859
Ion Ratio Lower Upper
95 100
174 67.0 0.0 138.4
176 65.0 0.0 132.6

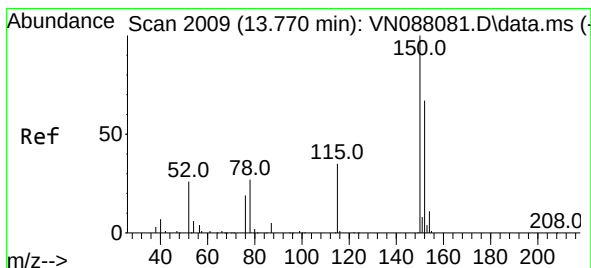
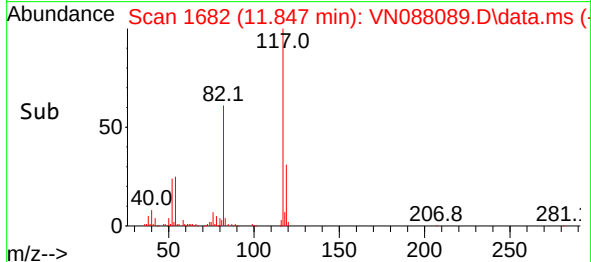
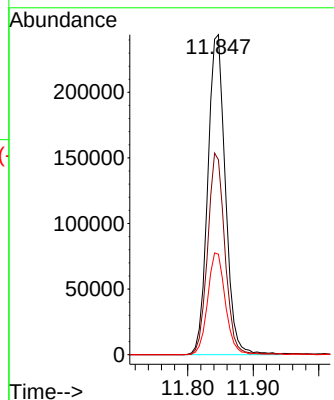
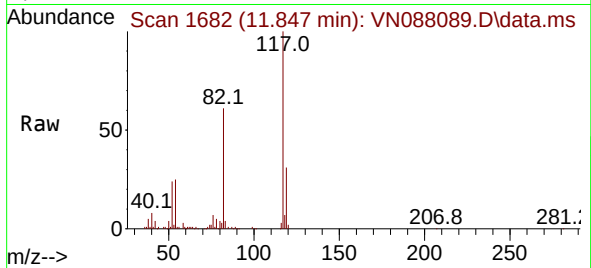




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN088089.D
Acq: 24 Oct 2025 13:22

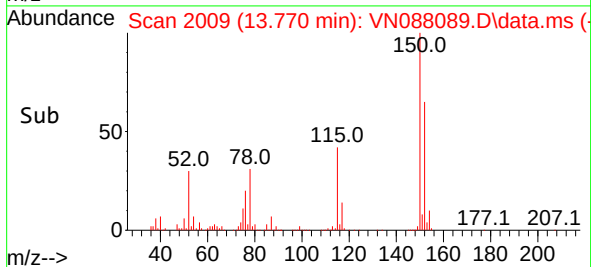
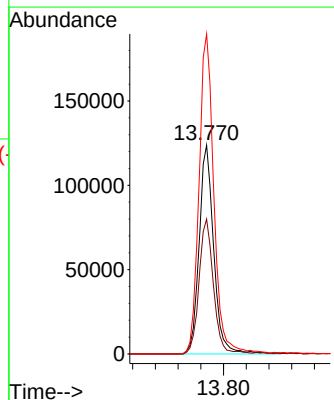
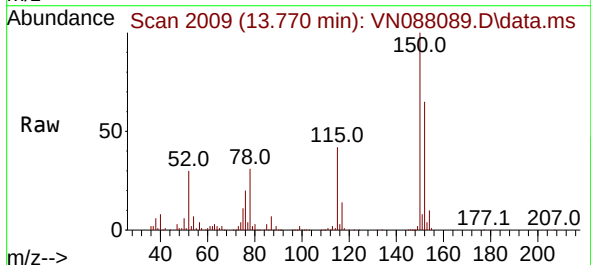
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBL01

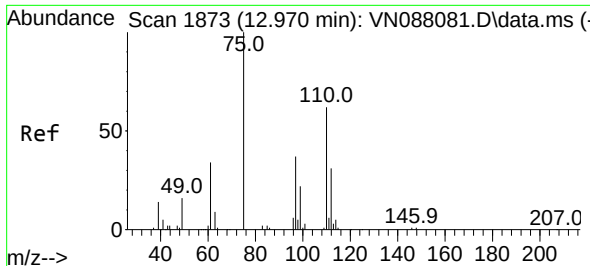
Tgt Ion:117 Resp: 454718
Ion Ratio Lower Upper
117 100
82 60.9 47.4 71.2
119 31.4 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088089.D
Acq: 24 Oct 2025 13:22

Tgt Ion:152 Resp: 221253
Ion Ratio Lower Upper
152 100
115 63.7 32.3 96.8
150 155.8 0.0 351.0

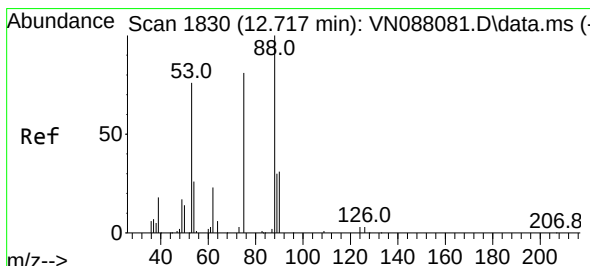
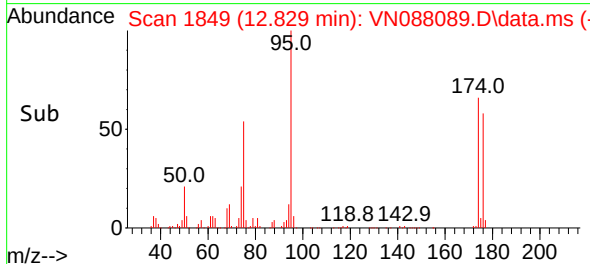
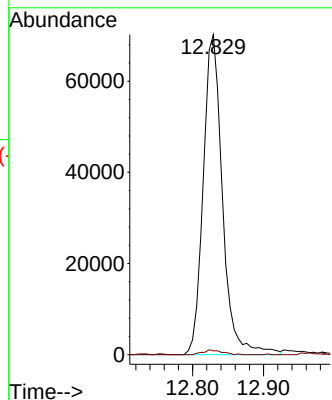
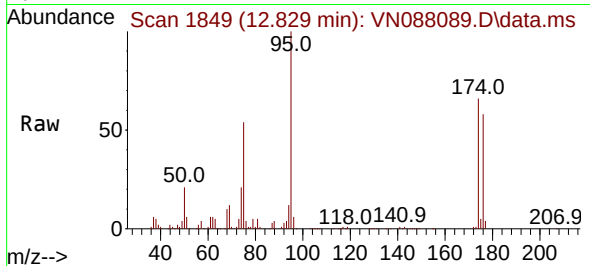




#76
1,2,3-Trichloropropane
Concen: 26.208 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN088089.D
Acq: 24 Oct 2025 13:22

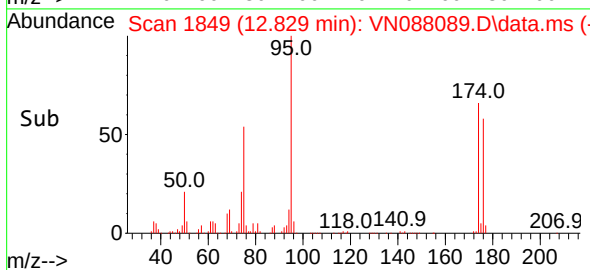
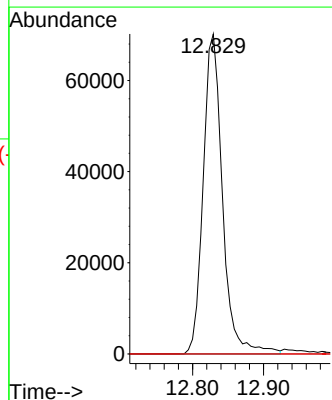
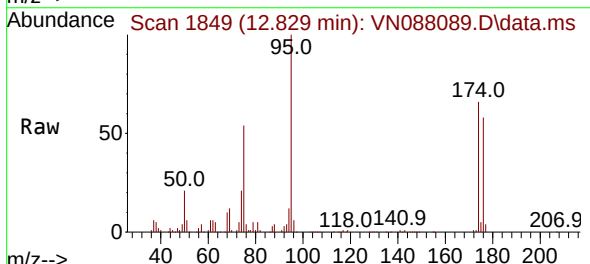
Instrument :
MSVOA_N
ClientSampleId :
VN1024WBL01

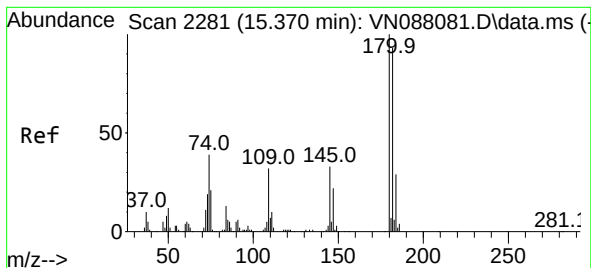
Tgt Ion: 75 Resp: 132573
Ion Ratio Lower Upper
75 100
77 1.5 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.108 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN088089.D
Acq: 24 Oct 2025 13:22

Tgt Ion: 75 Resp: 132573
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 35.6 53.4#





#93

1,2,4-Trichlorobenzene

Concen: 0.205 ug/l

RT: 15.376 min Scan# 21

Delta R.T. 0.012 min

Lab File: VN088089.D

Acq: 24 Oct 2025 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBL01

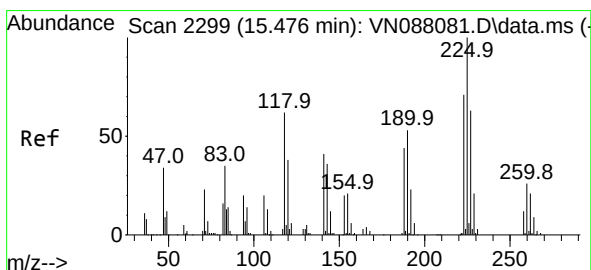
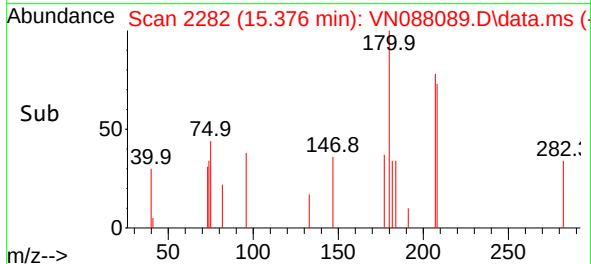
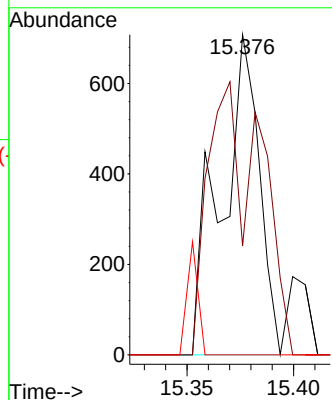
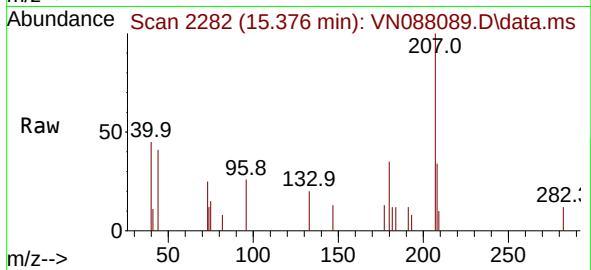
Tgt Ion:180 Resp: 879

Ion Ratio Lower Upper

180 100

182 71.1 47.6 142.9

145 0.0 16.5 49.5#



#94

Hexachlorobutadiene

Concen: 0.251 ug/l

RT: 15.476 min Scan# 2299

Delta R.T. -0.000 min

Lab File: VN088089.D

Acq: 24 Oct 2025 13:22

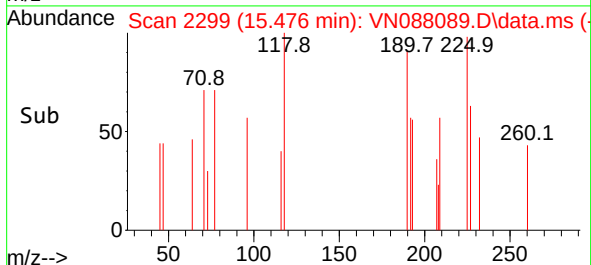
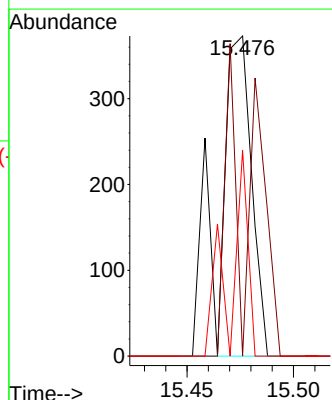
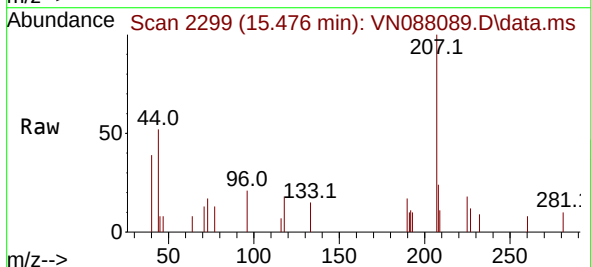
Tgt Ion:225 Resp: 401

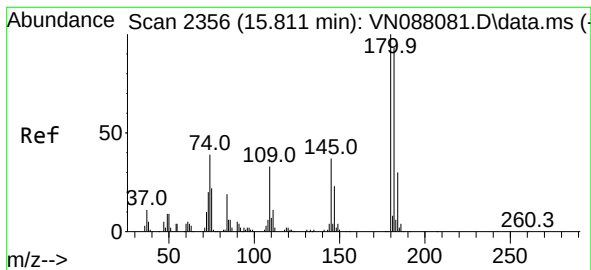
Ion Ratio Lower Upper

225 100

223 31.9 32.0 96.2#

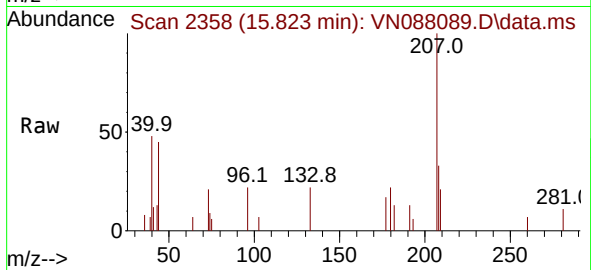
227 34.7 32.1 96.5





#96
 1,2,3-Trichlorobenzene
 Concen: 0.286 ug/l
 RT: 15.823 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN088089.D
 Acq: 24 Oct 2025 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBL01



Tgt Ion	Ratio	Lower	Upper
180	100		
182	63.5	46.8	140.3
145	4.5	17.3	52.0

