

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
 Data File : VN087822.D
 Acq On : 15 Sep 2025 09:35
 Operator : JC\MD
 Sample : VN0915WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBL01

Quant Time: Sep 16 01:29:06 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)

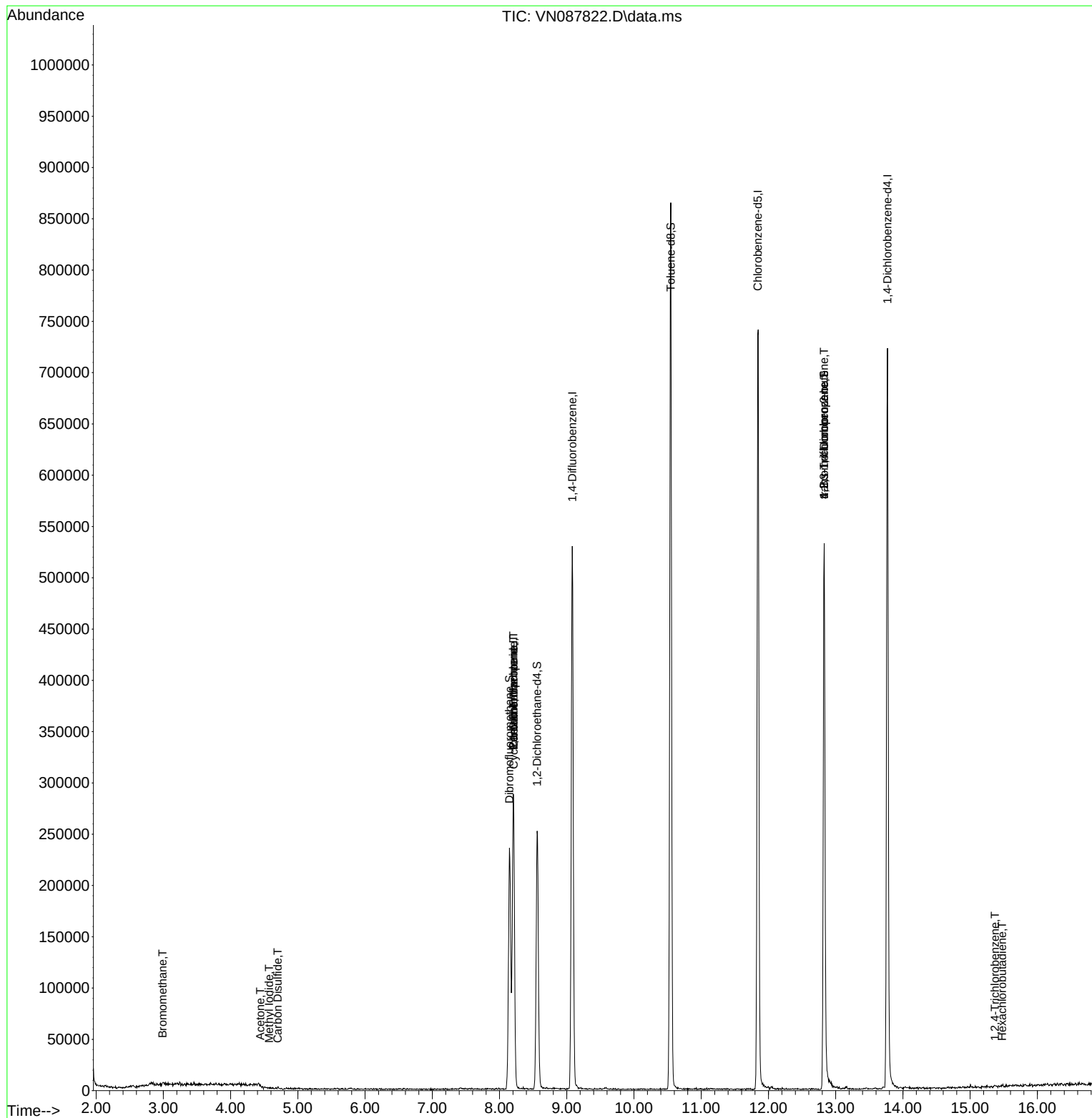
Internal Standards						
1) Pentafluorobenzene	8.206	168	194621	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	447138	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	421003	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	194722	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	209394	52.512	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.020%			
35) Dibromofluoromethane	8.147	113	162528	50.344	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.680%			
50) Toluene-d8	10.547	98	570772	47.237	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.480%			
62) 4-Bromofluorobenzene	12.829	95	191658	44.602	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 89.200%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.989	94	631	0.371	ug/l #	55
10) Methyl Iodide	4.571	142	65	6.838	ug/l #	38
16) Acetone	4.441	43	517	0.238	ug/l	96
17) Carbon Disulfide	4.700	76	1878	0.243	ug/l #	74
20) Methylene Chloride	5.312	84	60	Below Cal	#	5
31) Cyclohexane	8.212	56	5971	1.190	ug/l #	25
36) 1,1-Dichloropropene	8.206	75	18751	3.786	ug/l #	52
38) Carbon Tetrachloride	8.206	117	22972	4.698	ug/l #	15
76) 1,2,3-Trichloropropane	12.829	75	103545	22.676	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	103545	60.031	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.370	180	845	0.203	ug/l #	78
94) Hexachlorobutadiene	15.476	225	319	0.215	ug/l #	57

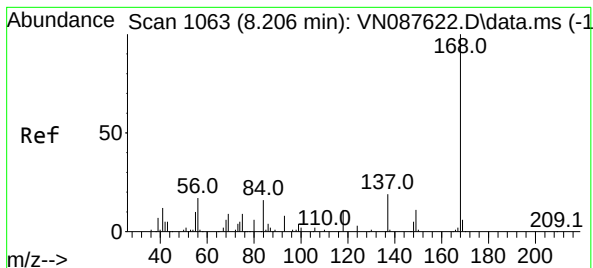
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
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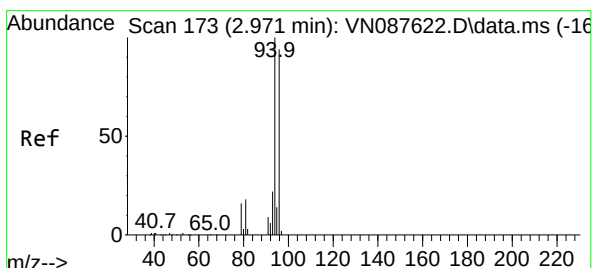
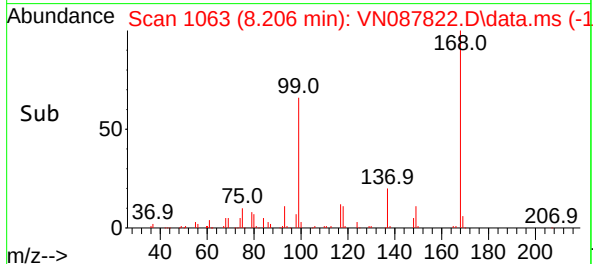
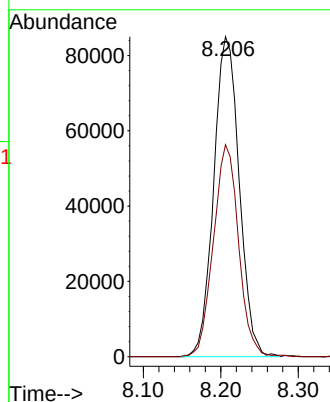
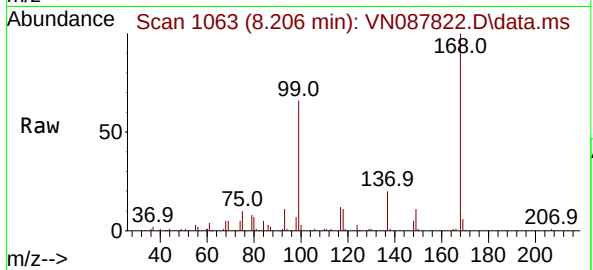




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN087822.D
Acq: 15 Sep 2025 09:35

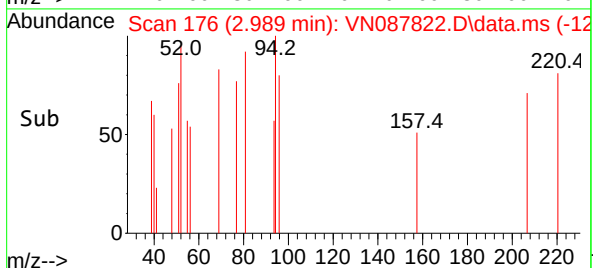
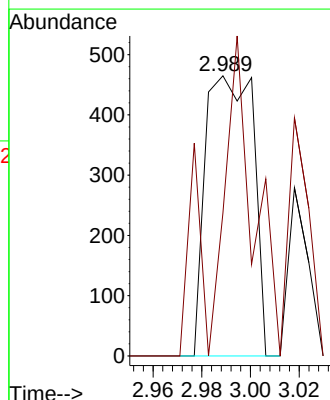
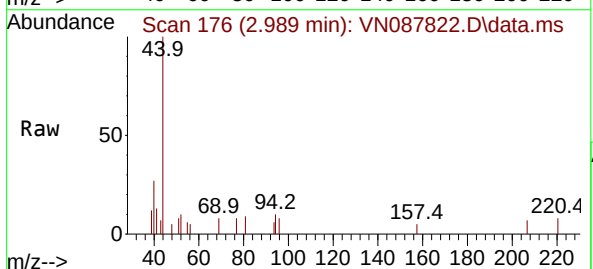
Instrument :
MSVOA_N
ClientSampleId :
VN0915WBL01

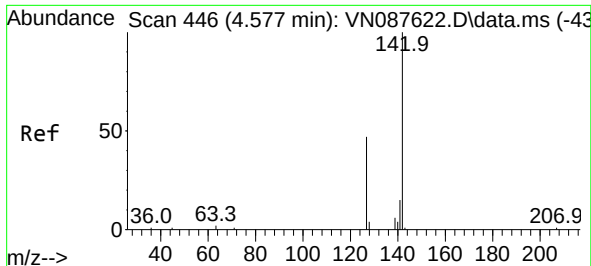
Tgt Ion:168 Resp: 194621
Ion Ratio Lower Upper
168 100
99 66.2 57.2 85.8



#5
Bromomethane
Concen: 0.371 ug/l
RT: 2.989 min Scan# 176
Delta R.T. 0.017 min
Lab File: VN087822.D
Acq: 15 Sep 2025 09:35

Tgt Ion: 94 Resp: 631
Ion Ratio Lower Upper
94 100
96 51.0 75.4 113.2#

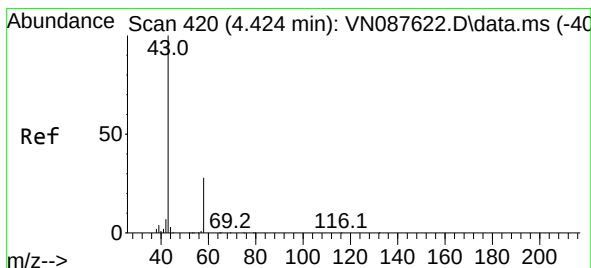
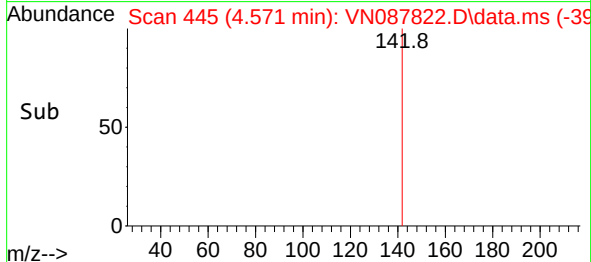
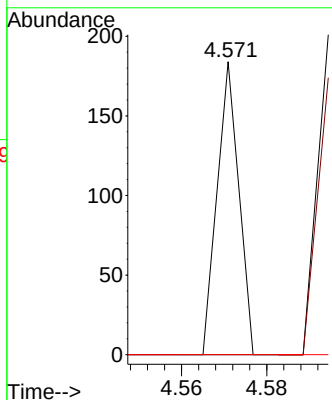
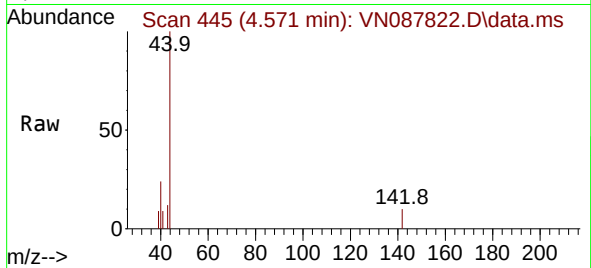




#10
Methyl Iodide
Concen: 6.838 ug/l
RT: 4.571 min Scan# 446
Delta R.T. -0.006 min
Lab File: VN087822.D
Acq: 15 Sep 2025 09:35

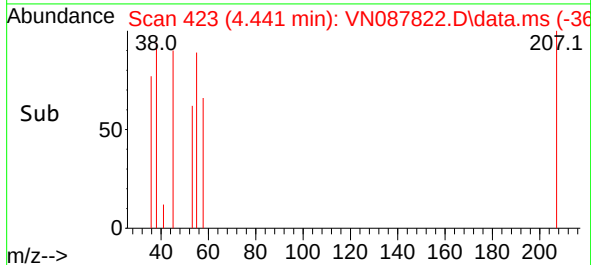
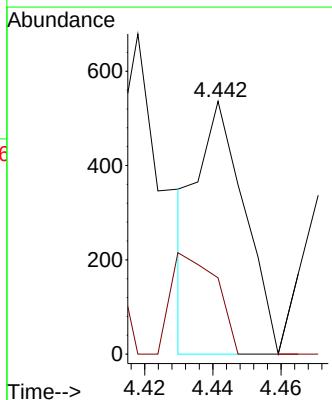
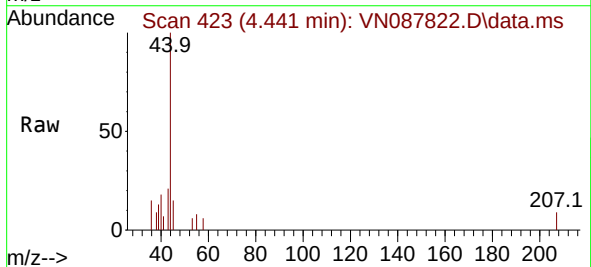
Instrument :
MSVOA_N
ClientSampleId :
VN0915WBL01

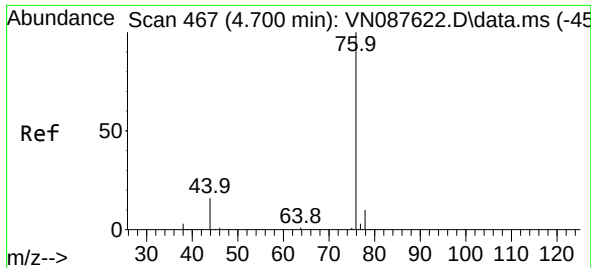
Tgt Ion:142 Resp: 65
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#



#16
Acetone
Concen: 0.238 ug/l
RT: 4.441 min Scan# 423
Delta R.T. 0.017 min
Lab File: VN087822.D
Acq: 15 Sep 2025 09:35

Tgt Ion: 43 Resp: 517
Ion Ratio Lower Upper
43 100
58 30.2 22.6 33.8

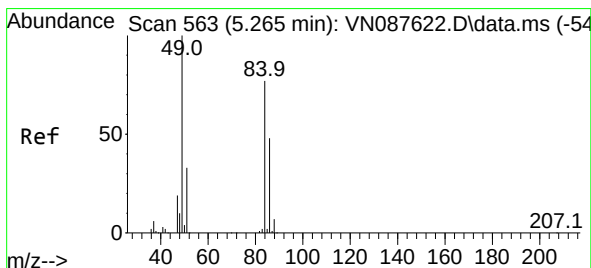
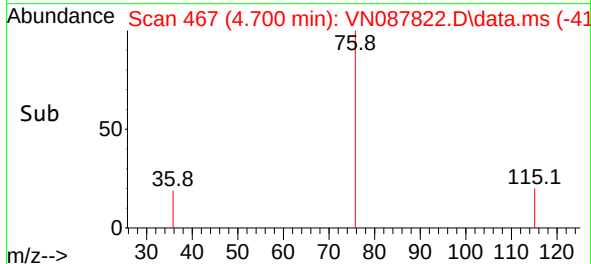
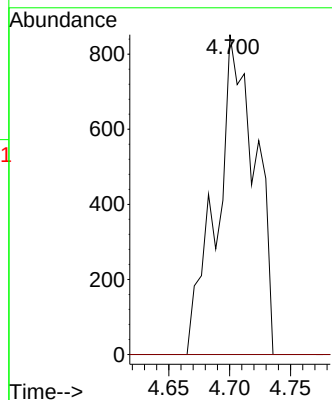
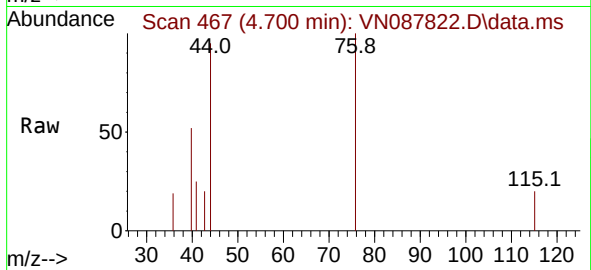




#17
Carbon Disulfide
Concen: 0.243 ug/l
RT: 4.700 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN087822.D
Acq: 15 Sep 2025 09:35

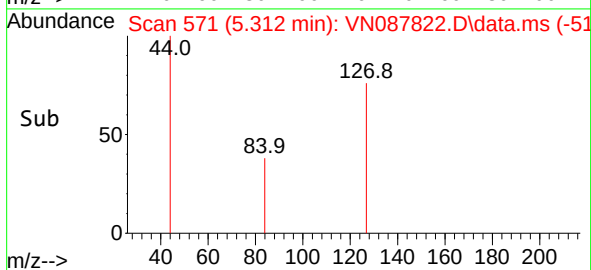
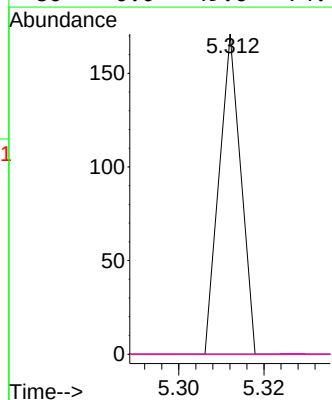
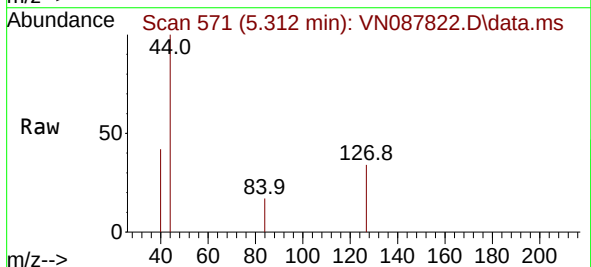
Instrument :
MSVOA_N
ClientSampleId :
VN0915WBL01

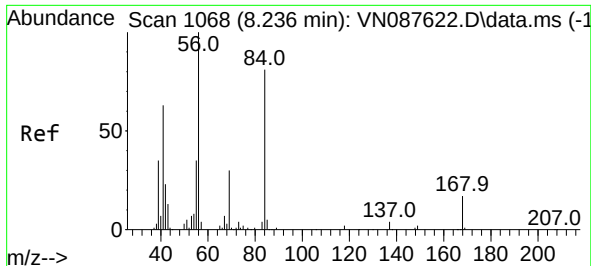
Tgt Ion: 76 Resp: 1878
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.312 min Scan# 571
Delta R.T. 0.047 min
Lab File: VN087822.D
Acq: 15 Sep 2025 09:35

Tgt Ion: 84 Resp: 60
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#

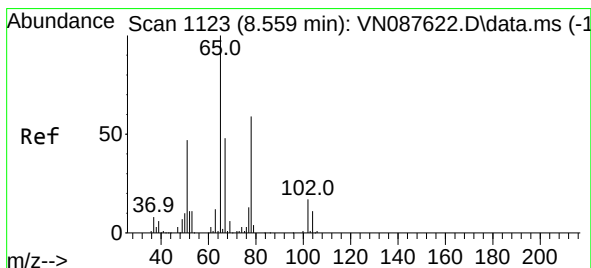
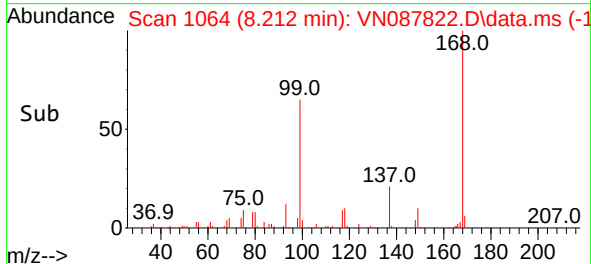
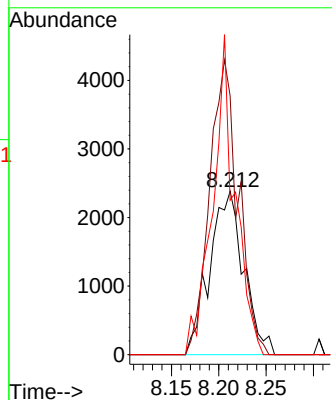
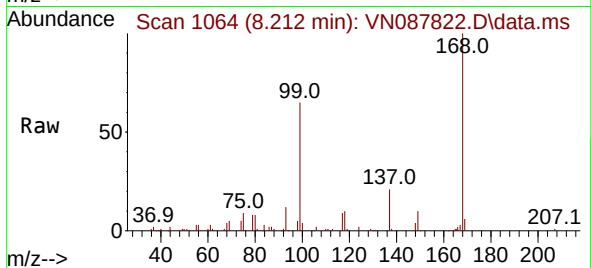




#31
Cyclohexane
Concen: 1.190 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.024 min
Lab File: VN087822.D
Acq: 15 Sep 2025 09:35

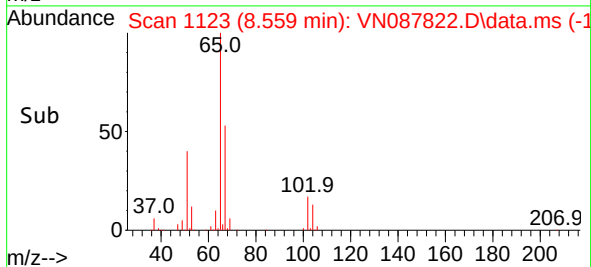
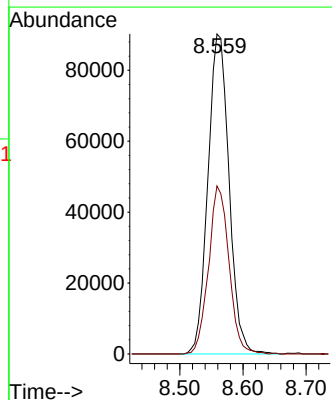
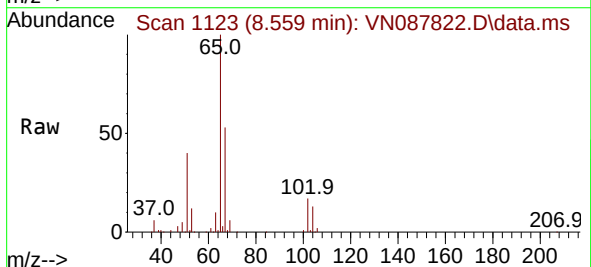
Instrument :
MSVOA_N
ClientSampleId :
VN0915WBL01

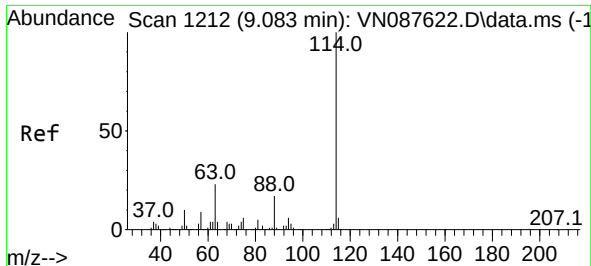
Tgt Ion: 56 Resp: 5971
Ion Ratio Lower Upper
56 100
69 158.5 23.7 35.5#
84 94.5 64.7 97.1



#33
1,2-Dichloroethane-d4
Concen: 52.512 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087822.D
Acq: 15 Sep 2025 09:35

Tgt Ion: 65 Resp: 209394
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# 1

Delta R.T. -0.000 min

Lab File: VN087822.D

Acq: 15 Sep 2025 09:35

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBL01

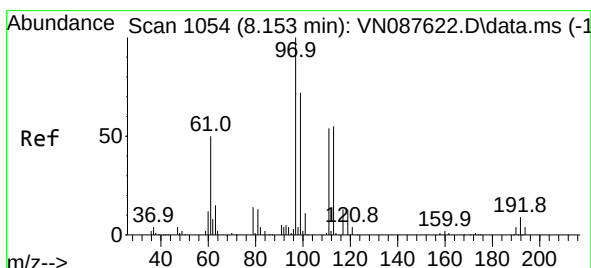
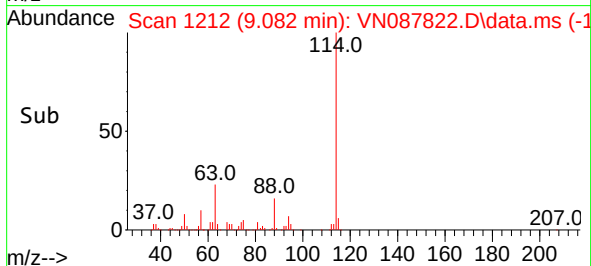
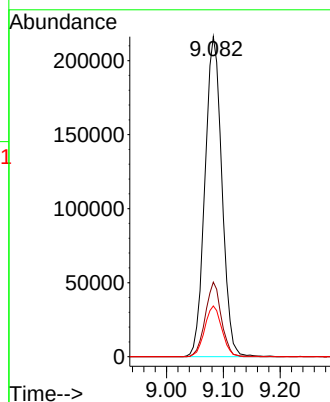
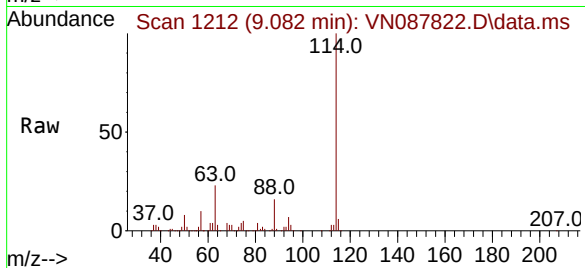
Tgt Ion:114 Resp: 447138

Ion Ratio Lower Upper

114 100

63 23.3 0.0 45.2

88 15.8 0.0 33.4



#35

Dibromofluoromethane

Concen: 50.344 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087822.D

Acq: 15 Sep 2025 09:35

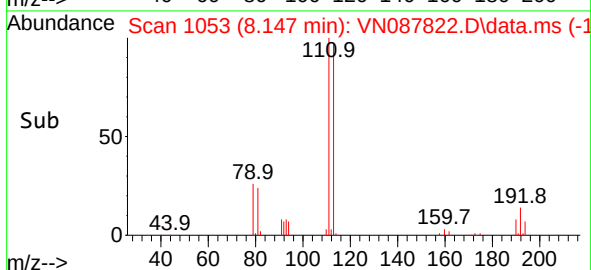
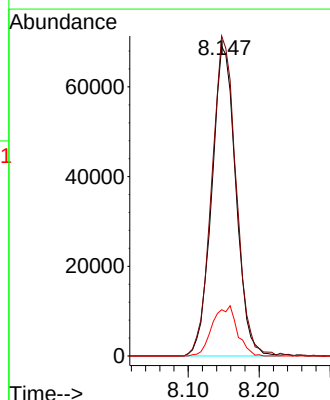
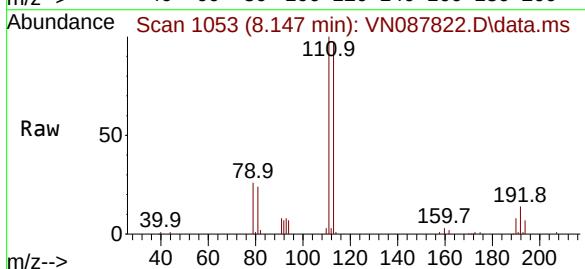
Tgt Ion:113 Resp: 162528

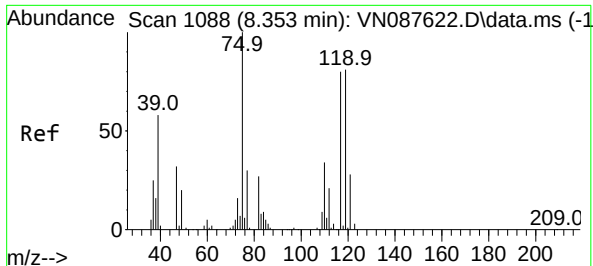
Ion Ratio Lower Upper

113 100

111 104.5 82.8 124.2

192 16.6 12.8 19.2





#36

1,1-Dichloropropene

Concen: 3.786 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN087822.D

Acq: 15 Sep 2025 09:35

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBL01

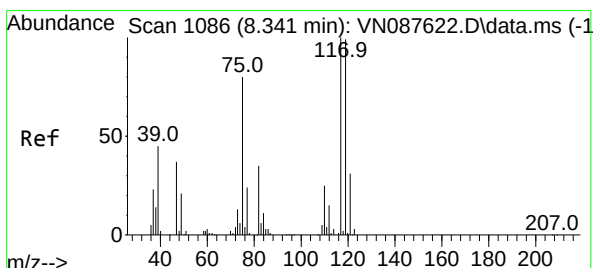
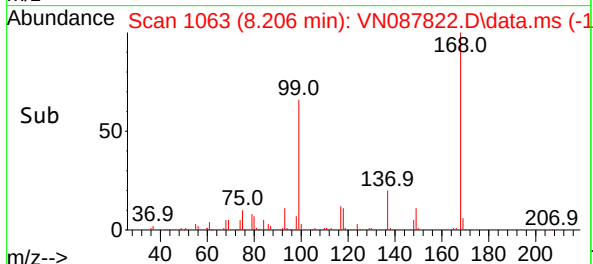
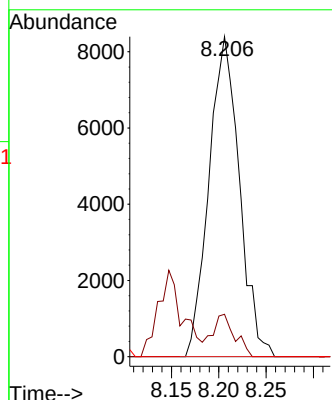
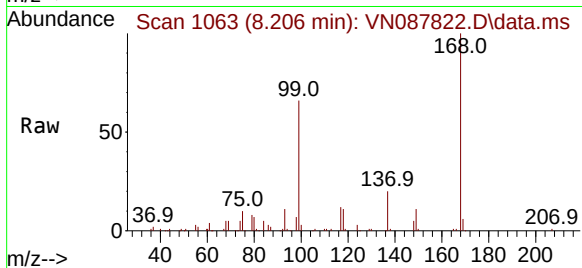
Tgt Ion: 75 Resp: 18751

Ion Ratio Lower Upper

75 100

110 9.7 15.9 47.6#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.698 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.135 min

Lab File: VN087822.D

Acq: 15 Sep 2025 09:35

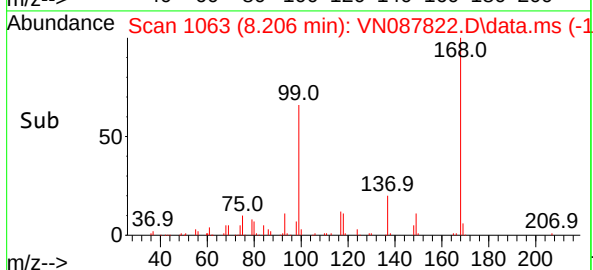
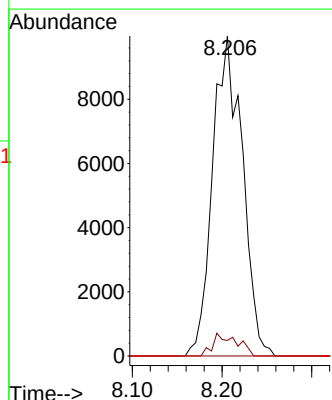
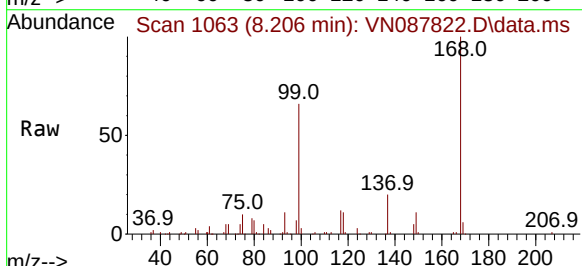
Tgt Ion: 117 Resp: 22972

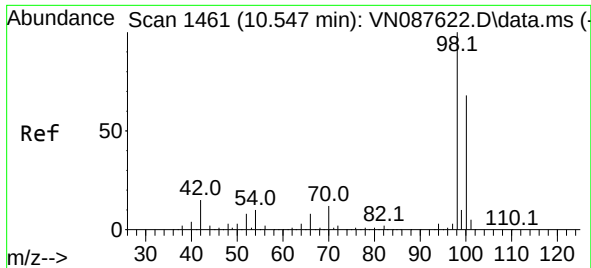
Ion Ratio Lower Upper

117 100

119 4.9 79.0 118.6#

121 0.0 25.0 37.6#

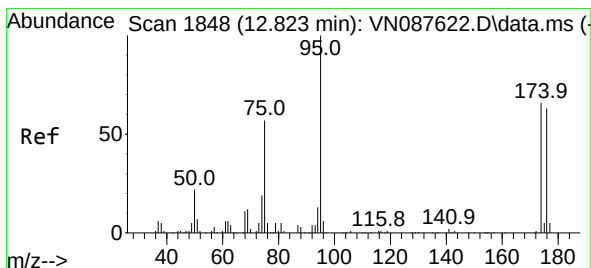
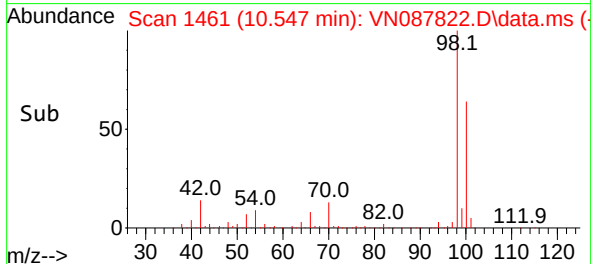
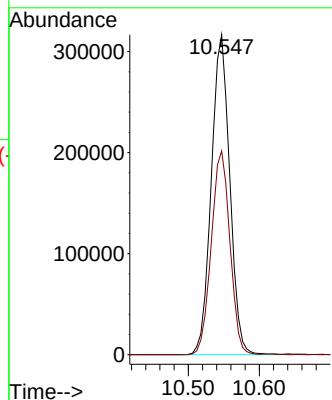
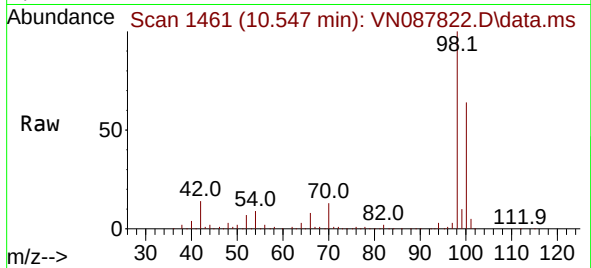




#50
Toluene-d8
Concen: 47.237 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087822.D
Acq: 15 Sep 2025 09:35

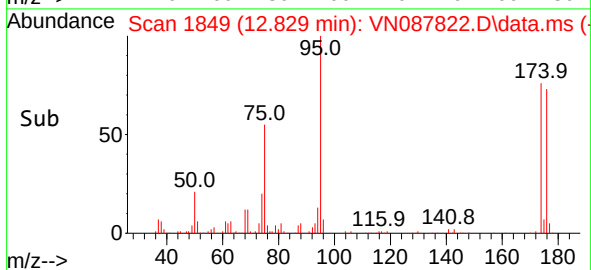
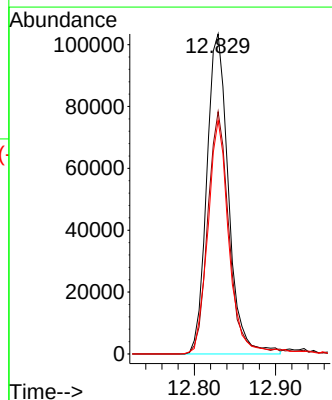
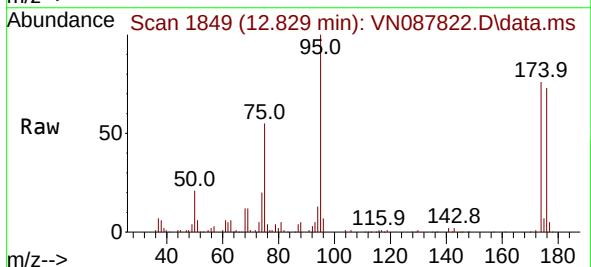
Instrument :
MSVOA_N
ClientSampleId :
VN0915WBL01

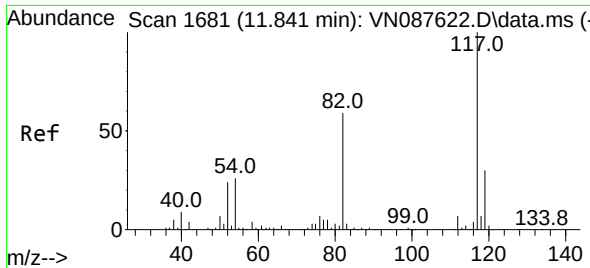
Tgt Ion: 98 Resp: 570772
Ion Ratio Lower Upper
98 100
100 64.2 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 44.602 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087822.D
Acq: 15 Sep 2025 09:35

Tgt Ion: 95 Resp: 191658
Ion Ratio Lower Upper
95 100
174 73.8 0.0 138.4
176 71.3 0.0 132.6

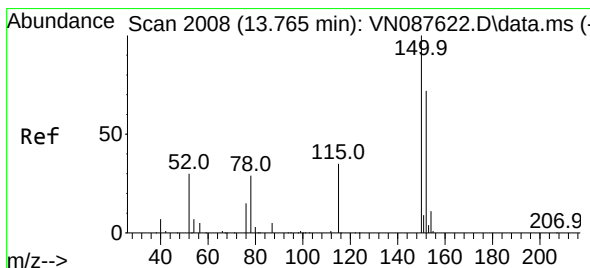
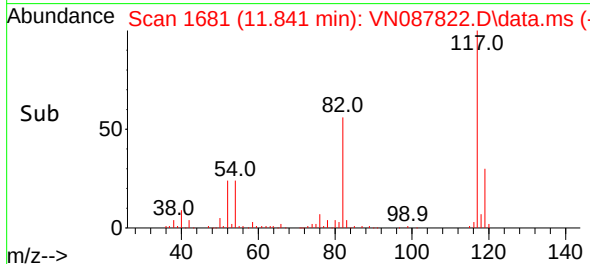
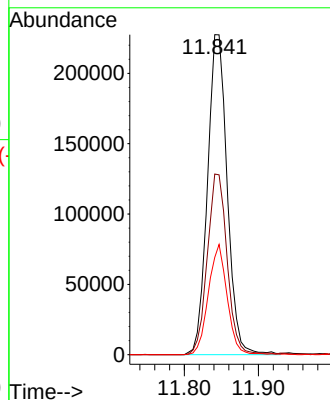
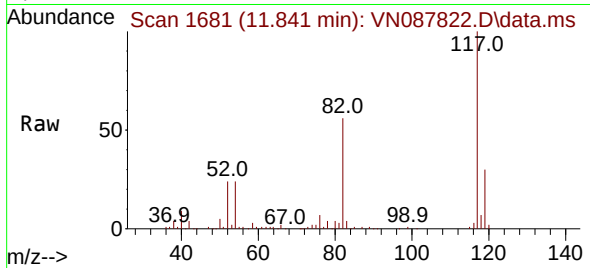




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087822.D
Acq: 15 Sep 2025 09:35

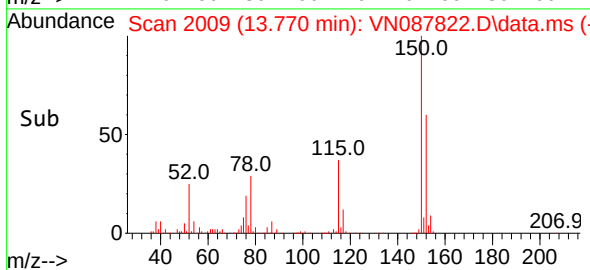
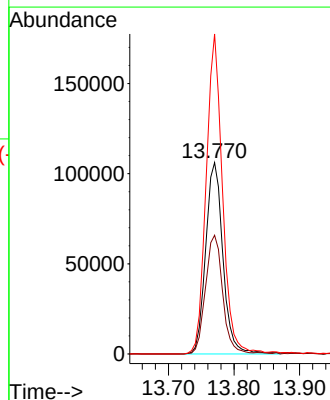
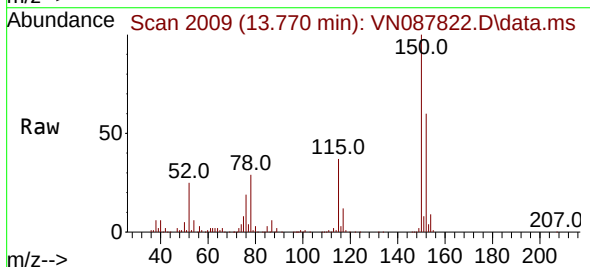
Instrument :
MSVOA_N
ClientSampleId :
VN0915WBL01

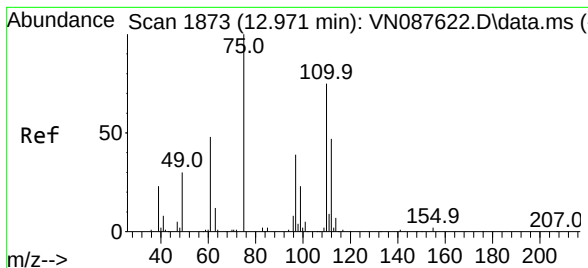
Tgt Ion:117 Resp: 421003
Ion Ratio Lower Upper
117 100
82 56.4 47.4 71.2
119 30.4 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087822.D
Acq: 15 Sep 2025 09:35

Tgt Ion:152 Resp: 194722
Ion Ratio Lower Upper
152 100
115 61.7 32.3 96.8
150 157.6 0.0 351.0





#76

1,2,3-Trichloropropane

Concen: 22.676 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.141 min

Lab File: VN087822.D

Acq: 15 Sep 2025 09:35

Instrument :

MSVOA_N

ClientSampleId :

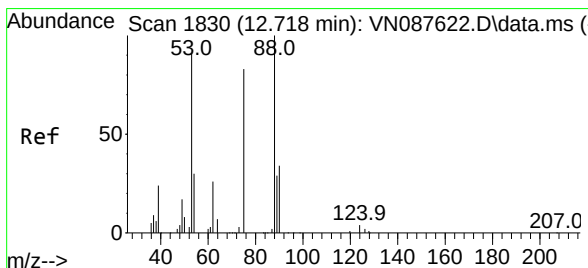
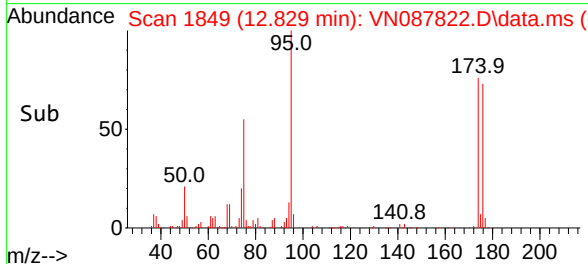
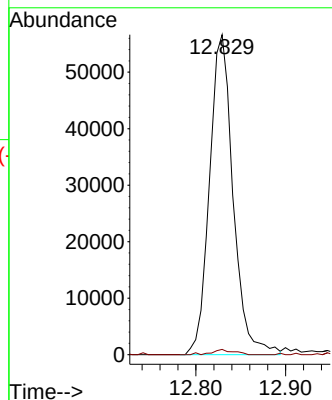
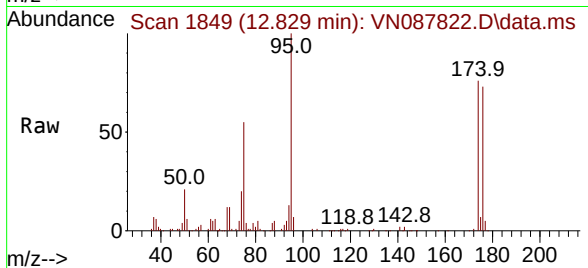
VN0915WBL01

Tgt Ion: 75 Resp: 103545

Ion Ratio Lower Upper

75 100

77 1.4 89.1 267.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.031 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.112 min

Lab File: VN087822.D

Acq: 15 Sep 2025 09:35

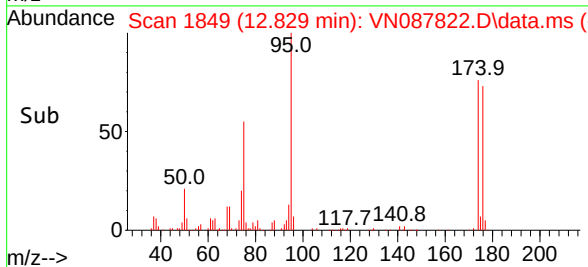
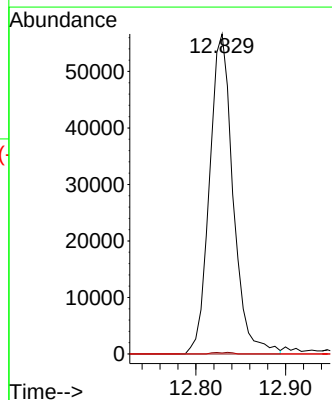
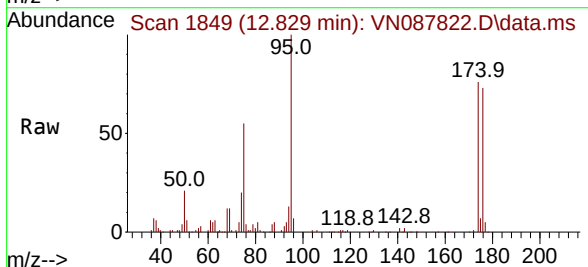
Tgt Ion: 75 Resp: 103545

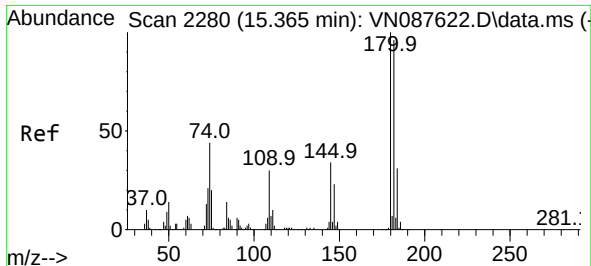
Ion Ratio Lower Upper

75 100

53 0.4 101.8 152.6#

89 0.0 35.6 53.4#

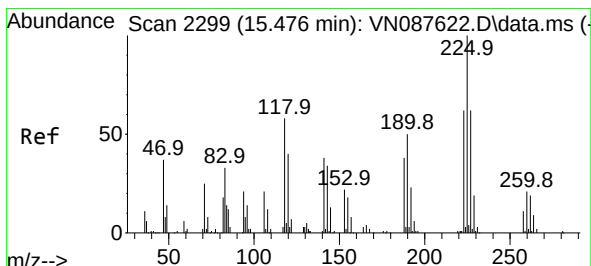
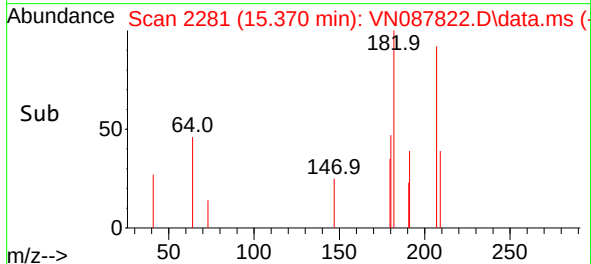
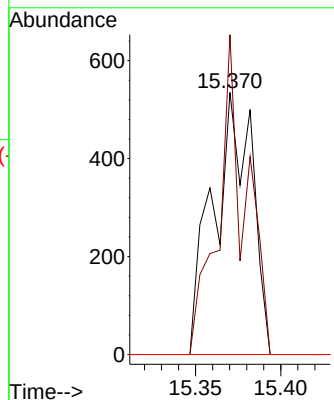
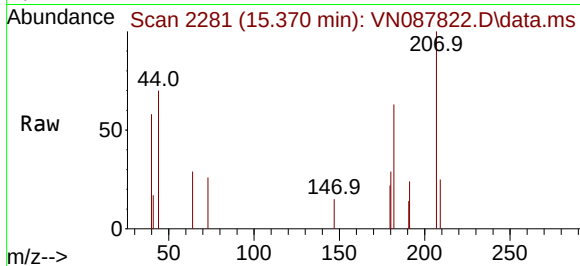




#93
 1,2,4-Trichlorobenzene
 Concen: 0.203 ug/l
 RT: 15.370 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN087822.D
 Acq: 15 Sep 2025 09:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBL01

Tgt Ion:180 Resp: 845
 Ion Ratio Lower Upper
 180 100
 182 86.2 47.6 142.9
 145 0.0 16.5 49.5#



#94
 Hexachlorobutadiene
 Concen: 0.215 ug/l
 RT: 15.476 min Scan# 2299
 Delta R.T. -0.000 min
 Lab File: VN087822.D
 Acq: 15 Sep 2025 09:35

Tgt Ion:225 Resp: 319
 Ion Ratio Lower Upper
 225 100
 223 106.9 32.0 96.2#
 227 40.1 32.1 96.5

