

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111025\
 Data File : VN088237.D
 Acq On : 10 Nov 2025 13:27
 Operator : JC\MD
 Sample : VN1110WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1110WBL01

Quant Time: Nov 11 03:51:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

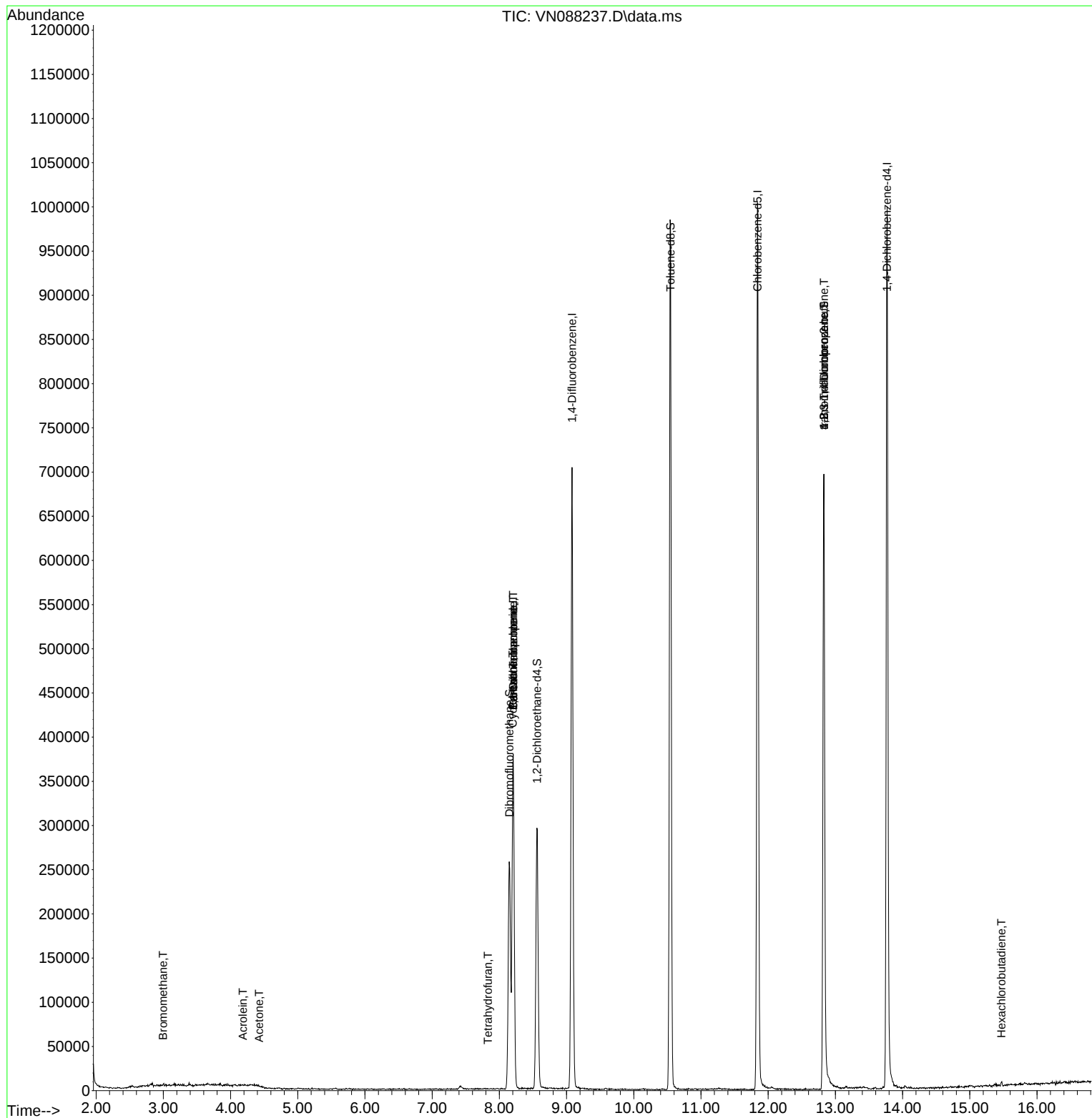
Internal Standards						
1) Pentafluorobenzene	8.206	168	250665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	571291	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	544768	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	267720	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	252918	58.350	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.700%			
35) Dibromofluoromethane	8.147	113	185521	48.338	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.680%			
50) Toluene-d8	10.547	98	665647	45.012	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 90.020%			
62) 4-Bromofluorobenzene	12.829	95	251225	48.103	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.200%			
Target Compounds						Qvalue
5) Bromomethane	2.995	94	613	0.283	ug/l	98
13) Acrolein	4.183	56	275	0.327	ug/l #	4
16) Acetone	4.424	43	1656	0.760	ug/l #	47
29) Tetrahydrofuran	7.830	42	402	0.215	ug/l #	45
31) Cyclohexane	8.200	56	7890	1.300	ug/l #	8
36) 1,1-Dichloropropene	8.206	75	24610	4.392	ug/l #	51
38) Carbon Tetrachloride	8.206	117	29017	5.013	ug/l #	15
76) 1,2,3-Trichloropropane	12.829	75	152838	24.970	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	152838	69.654	ug/l #	1
94) Hexachlorobutadiene	15.470	225	542	0.280	ug/l #	62

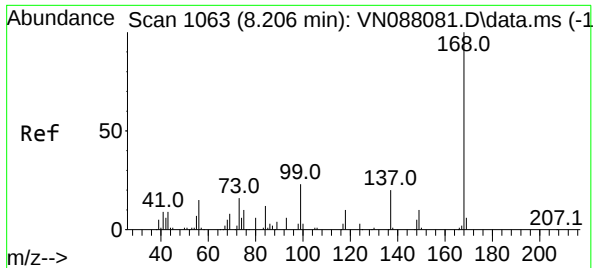
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111025\
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Quant Time: Nov 11 03:51:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 03 01:16:06 2025
Response via : Initial Calibration

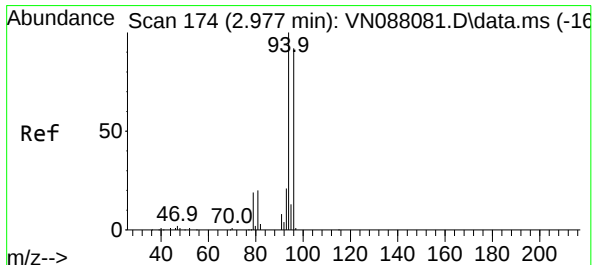
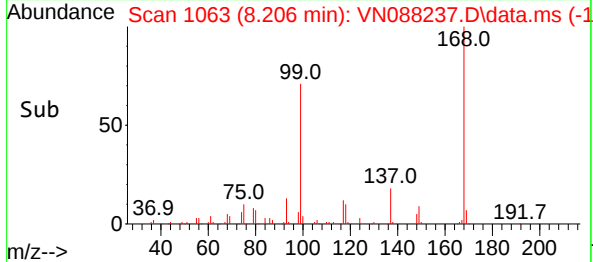
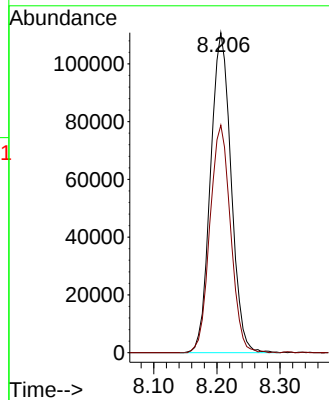
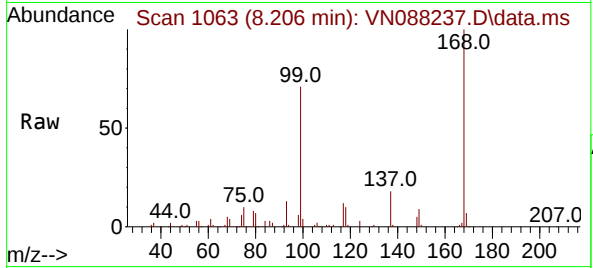




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088237.D
Acq: 10 Nov 2025 13:27

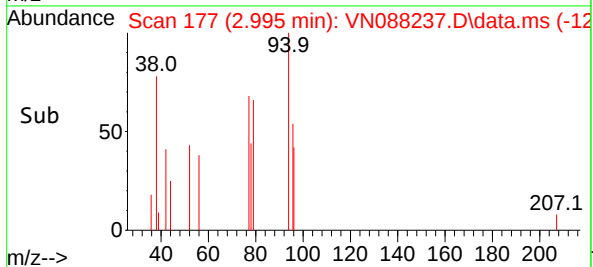
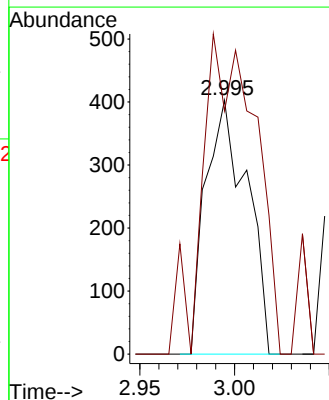
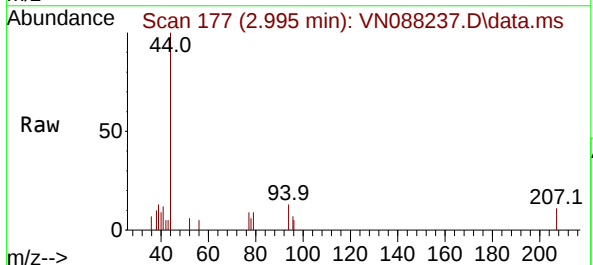
Instrument :
MSVOA_N
ClientSampleId :
VN1110WBL01

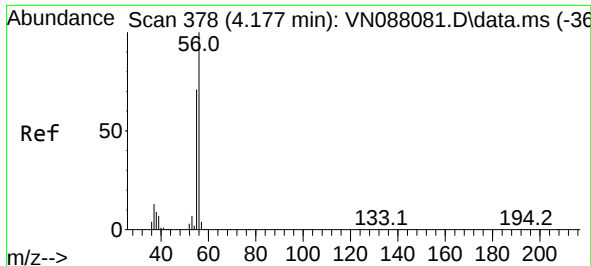
Tgt Ion:168 Resp: 250665
Ion Ratio Lower Upper
168 100
99 71.1 57.2 85.8



#5
Bromomethane
Concen: 0.283 ug/l
RT: 2.995 min Scan# 177
Delta R.T. 0.023 min
Lab File: VN088237.D
Acq: 10 Nov 2025 13:27

Tgt Ion: 94 Resp: 613
Ion Ratio Lower Upper
94 100
96 95.8 75.4 113.2





#13

Acrolein

Concen: 0.327 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.012 min

Lab File: VN088237.D

Acq: 10 Nov 2025 13:27

Instrument :

MSVOA_N

ClientSampleId :

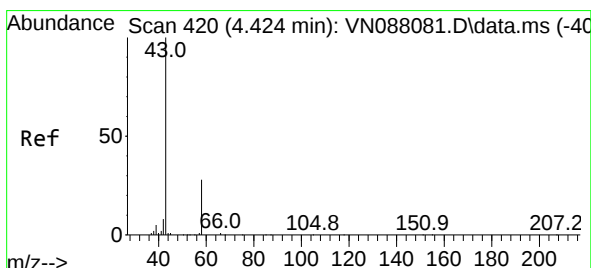
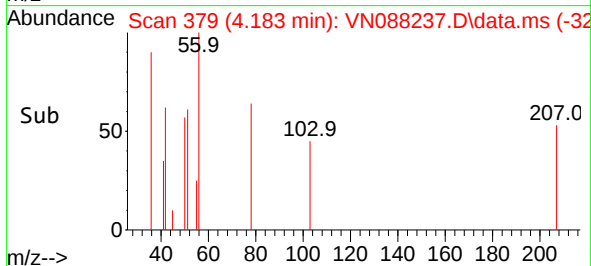
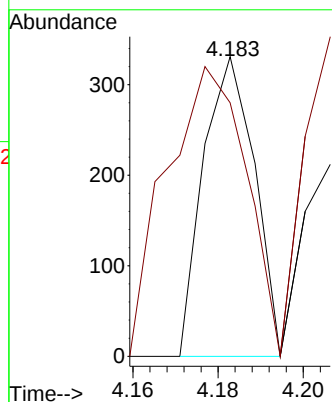
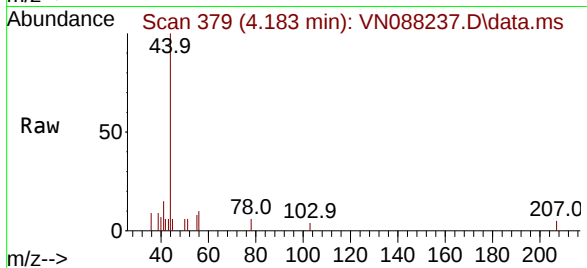
VN1110WBL01

Tgt Ion: 56 Resp: 275

Ion Ratio Lower Upper

56 100

55 151.6 57.3 85.9#



#16

Acetone

Concen: 0.760 ug/l

RT: 4.424 min Scan# 420

Delta R.T. -0.000 min

Lab File: VN088237.D

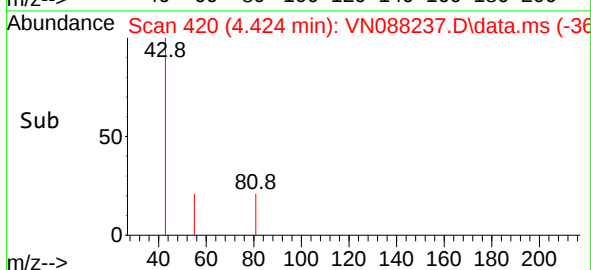
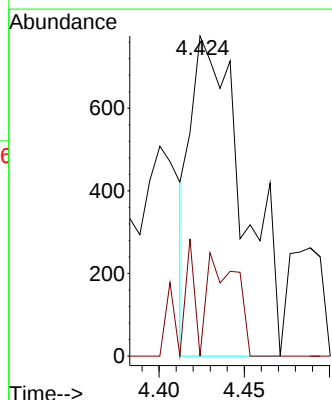
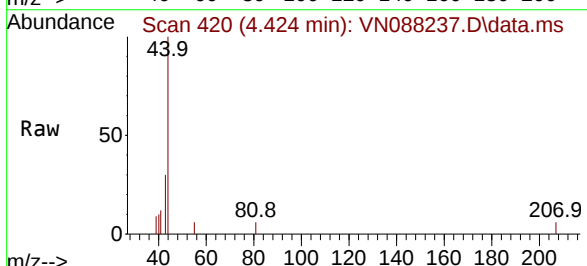
Acq: 10 Nov 2025 13:27

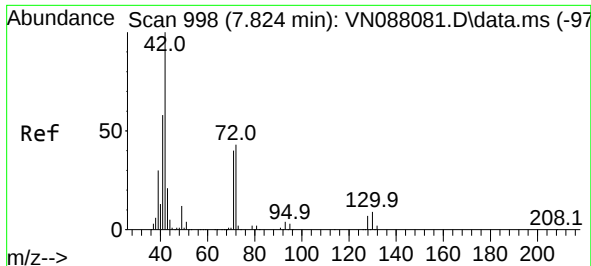
Tgt Ion: 43 Resp: 1656

Ion Ratio Lower Upper

43 100

58 0.0 22.6 33.8#





#29

Tetrahydrofuran

Concen: 0.215 ug/l

RT: 7.830 min Scan# 998

Delta R.T. 0.006 min

Lab File: VN088237.D

Acq: 10 Nov 2025 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN1110WBL01

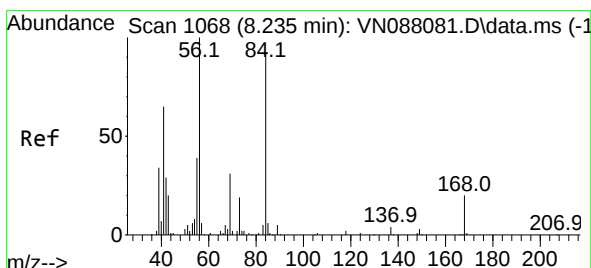
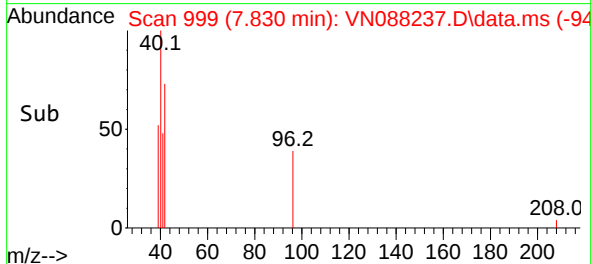
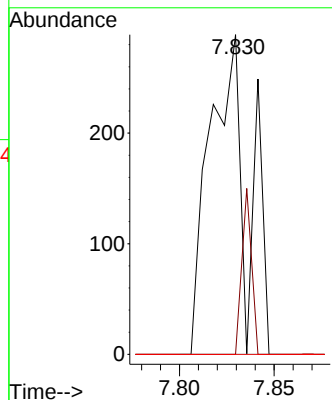
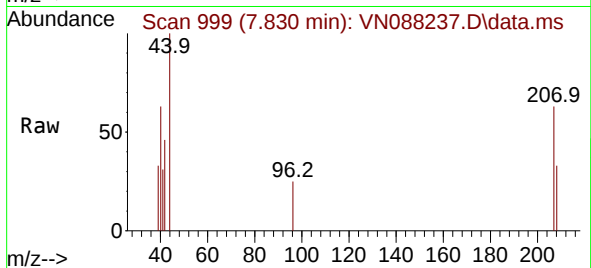
Tgt Ion: 42 Resp: 402

Ion Ratio Lower Upper

42 100

72 13.2 33.7 50.5#

71 0.0 31.9 47.9#



#31

Cyclohexane

Concen: 1.300 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.035 min

Lab File: VN088237.D

Acq: 10 Nov 2025 13:27

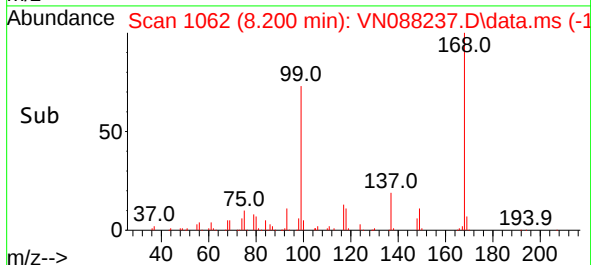
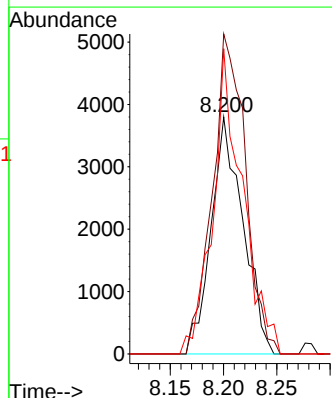
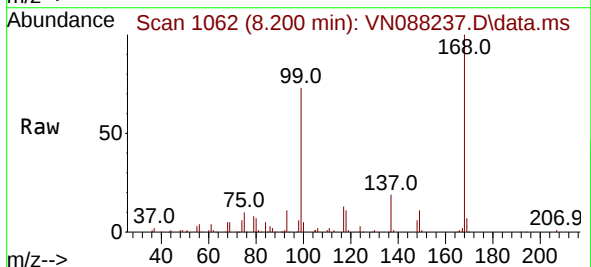
Tgt Ion: 56 Resp: 7890

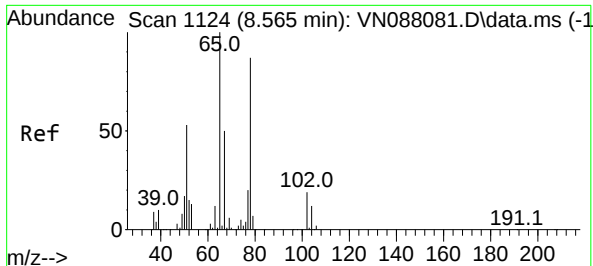
Ion Ratio Lower Upper

56 100

69 135.0 23.7 35.5#

84 128.8 64.7 97.1#

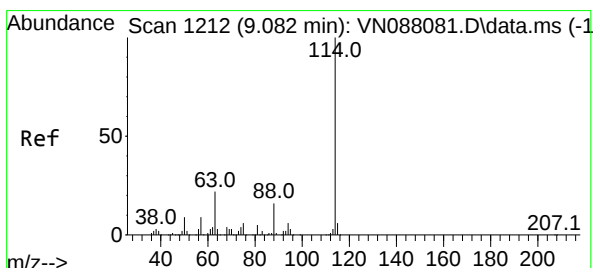
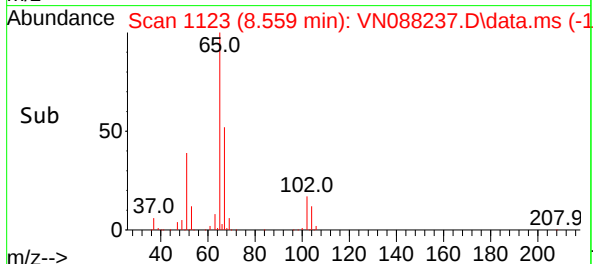
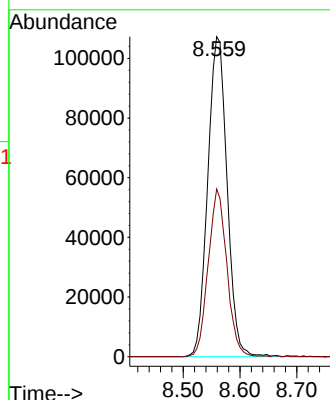
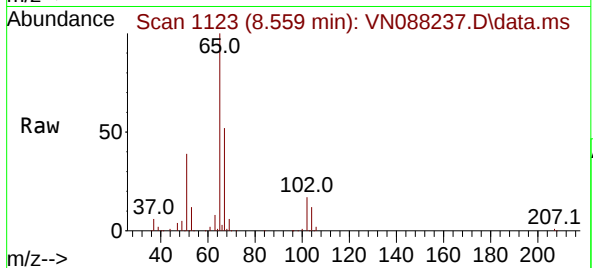




#33
1,2-Dichloroethane-d4
Concen: 58.350 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088237.D
Acq: 10 Nov 2025 13:27

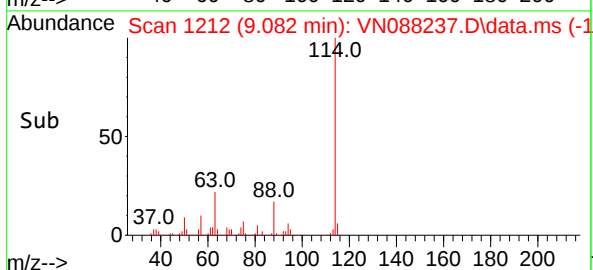
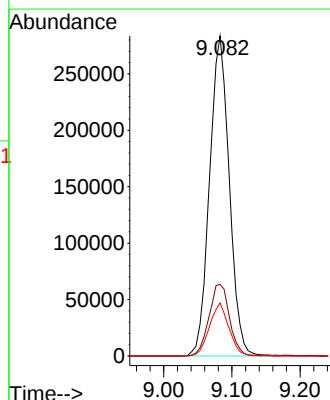
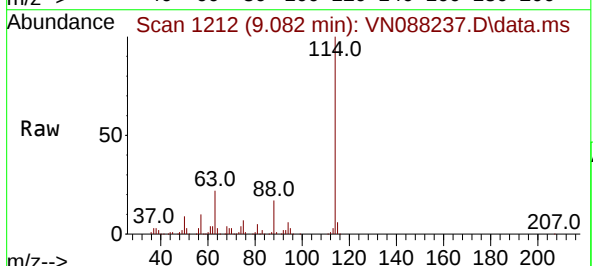
Instrument :
MSVOA_N
ClientSampleId :
VN1110WBL01

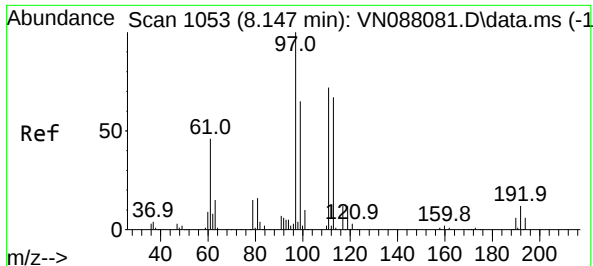
Tgt Ion: 65 Resp: 252918
Ion Ratio Lower Upper
65 100
67 50.5 0.0 100.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN088237.D
Acq: 10 Nov 2025 13:27

Tgt Ion: 114 Resp: 571291
Ion Ratio Lower Upper
114 100
63 22.3 0.0 45.2
88 16.5 0.0 33.4

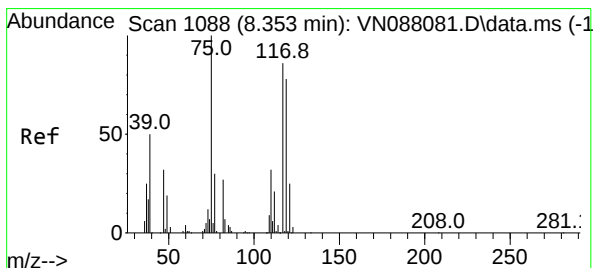
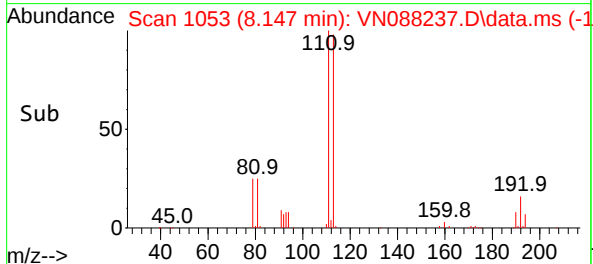
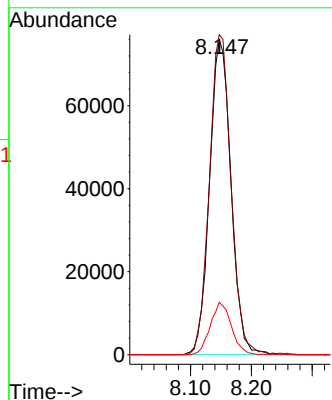
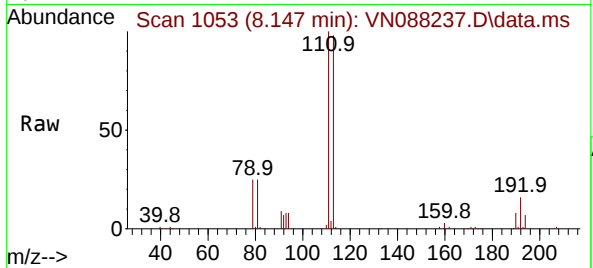




#35
 Dibromofluoromethane
 Concen: 48.338 ug/l
 RT: 8.147 min Scan# 1053
 Delta R.T. -0.006 min
 Lab File: VN088237.D
 Acq: 10 Nov 2025 13:27

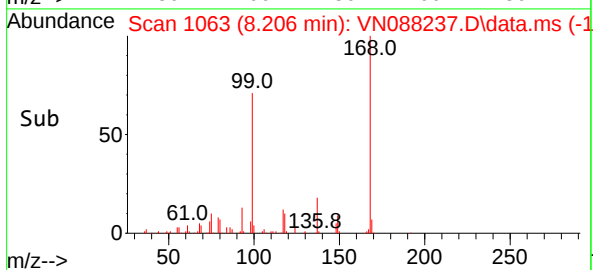
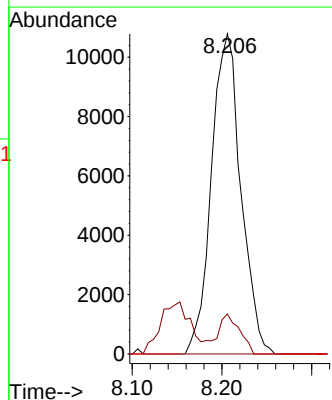
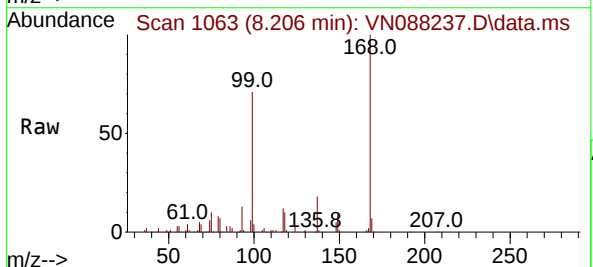
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1110WBL01

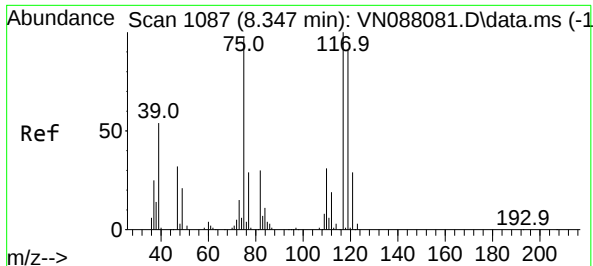
Tgt Ion:113 Resp: 185521
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.8 124.2
 192 16.3 12.8 19.2



#36
 1,1-Dichloropropene
 Concen: 4.392 ug/l
 RT: 8.206 min Scan# 1063
 Delta R.T. -0.147 min
 Lab File: VN088237.D
 Acq: 10 Nov 2025 13:27

Tgt Ion: 75 Resp: 24610
 Ion Ratio Lower Upper
 75 100
 110 8.5 15.9 47.6#
 77 0.0 24.4 36.6#

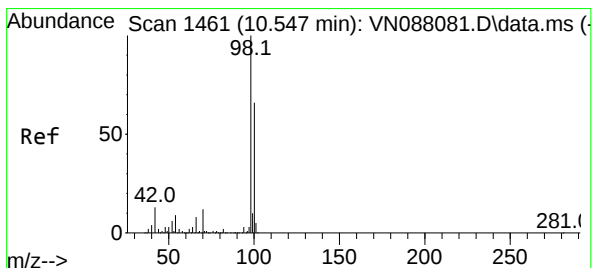
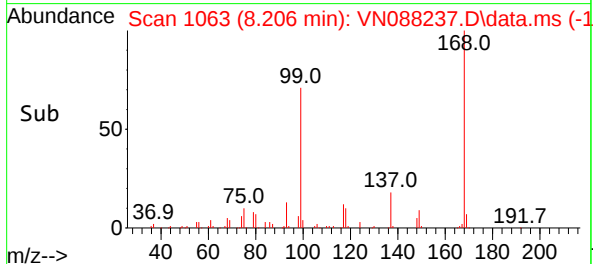
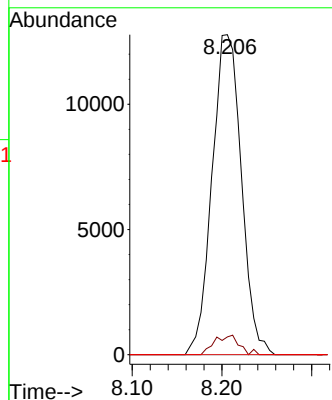
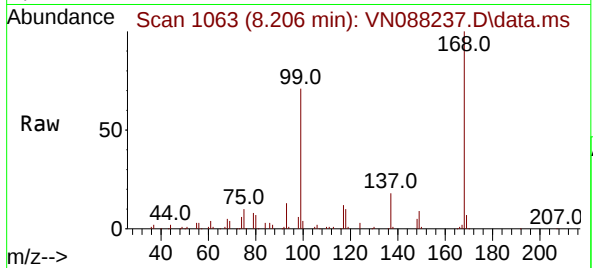




#38
Carbon Tetrachloride
Concen: 5.013 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.135 min
Lab File: VN088237.D
Acq: 10 Nov 2025 13:27

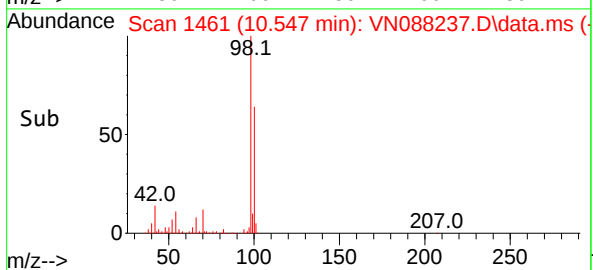
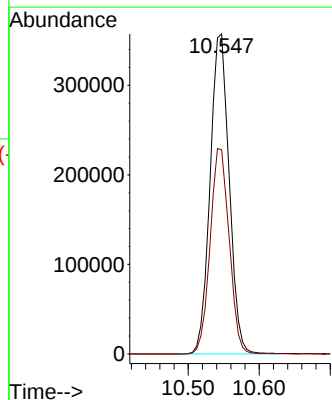
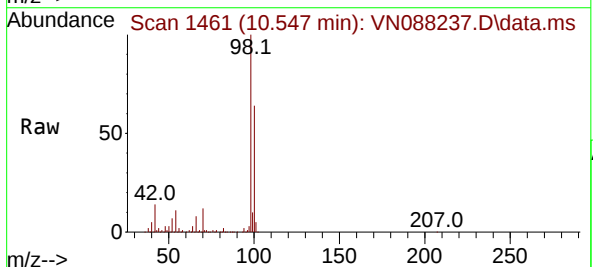
Instrument :
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VN1110WBL01

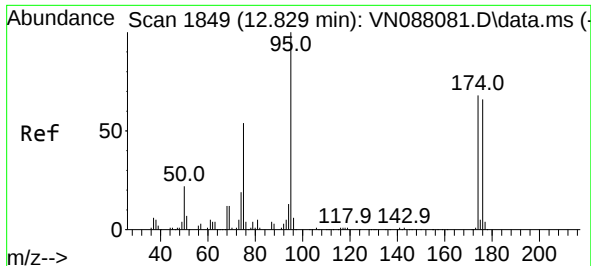
Tgt Ion:117 Resp: 29017
Ion Ratio Lower Upper
117 100
119 5.6 79.0 118.6#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 45.012 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088237.D
Acq: 10 Nov 2025 13:27

Tgt Ion: 98 Resp: 665647
Ion Ratio Lower Upper
98 100
100 64.2 52.8 79.2

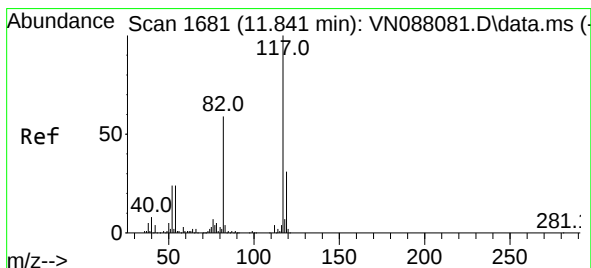
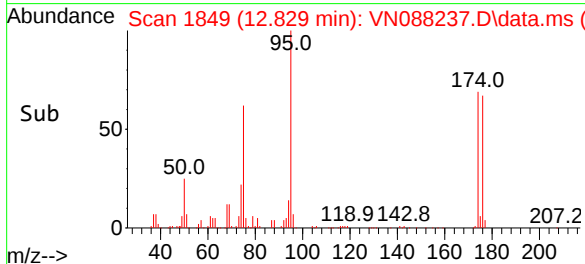
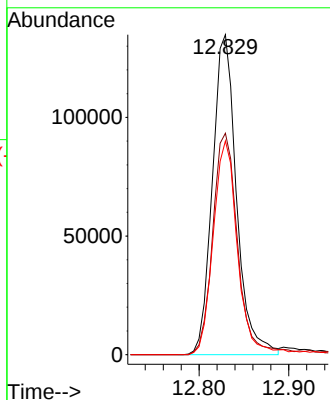
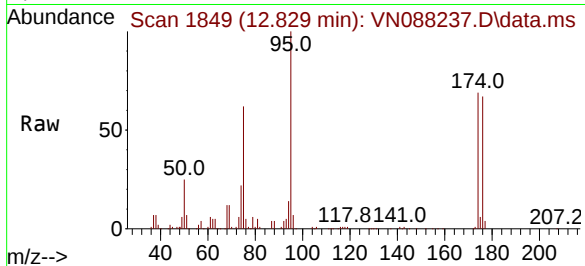




#62
4-Bromofluorobenzene
Concen: 48.103 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088237.D
Acq: 10 Nov 2025 13:27

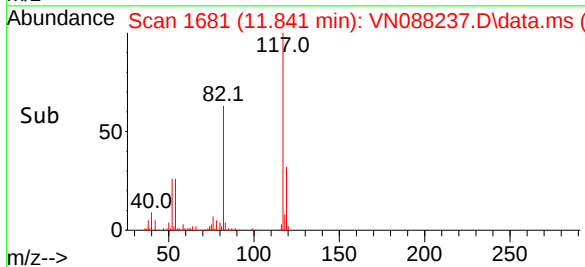
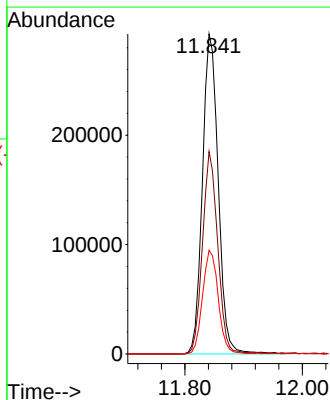
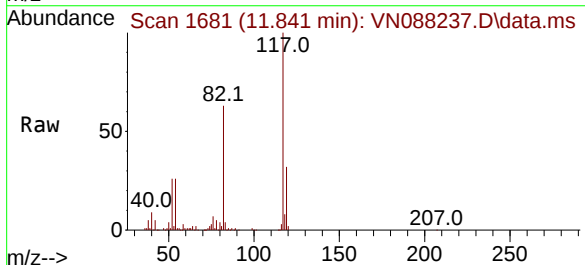
Instrument :
MSVOA_N
ClientSampleId :
VN1110WBL01

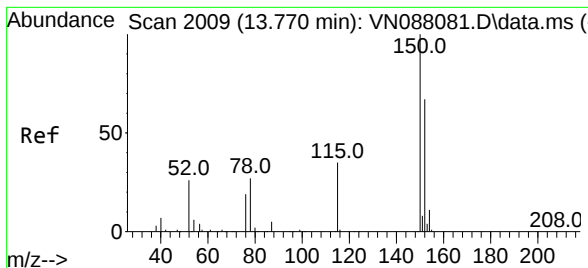
Tgt Ion: 95 Resp: 251225
Ion Ratio Lower Upper
95 100
174 72.1 0.0 138.4
176 68.8 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088237.D
Acq: 10 Nov 2025 13:27

Tgt Ion: 117 Resp: 544768
Ion Ratio Lower Upper
117 100
82 63.3 47.4 71.2
119 32.4 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: VN088237.D

Acq: 10 Nov 2025 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN1110WBL01

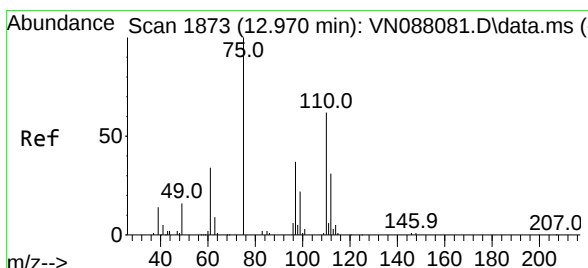
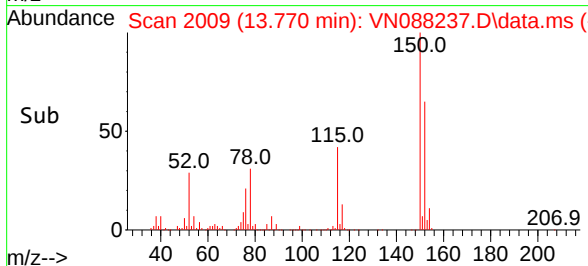
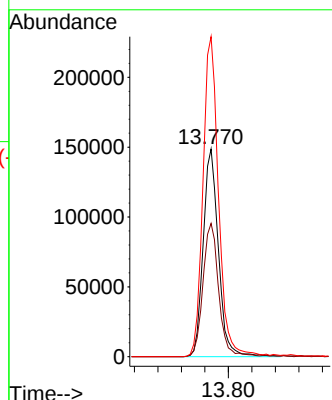
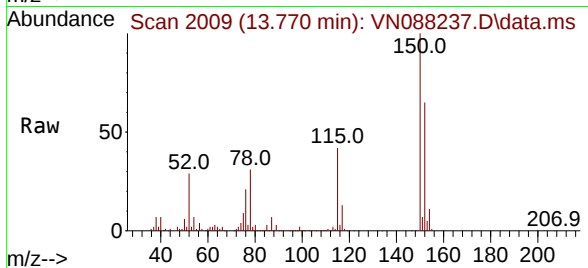
Tgt Ion:152 Resp: 267720

Ion Ratio Lower Upper

152 100

115 65.9 32.3 96.8

150 157.1 0.0 351.0



#76

1,2,3-Trichloropropane

Concen: 24.970 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.141 min

Lab File: VN088237.D

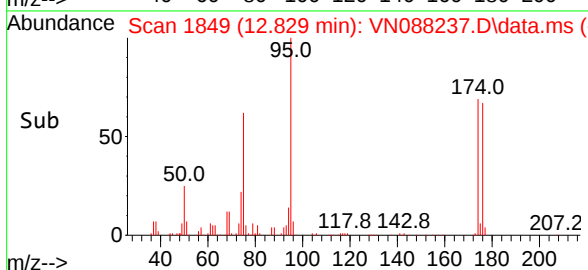
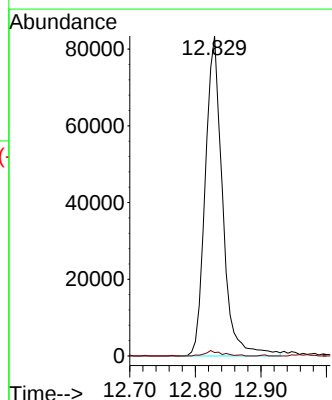
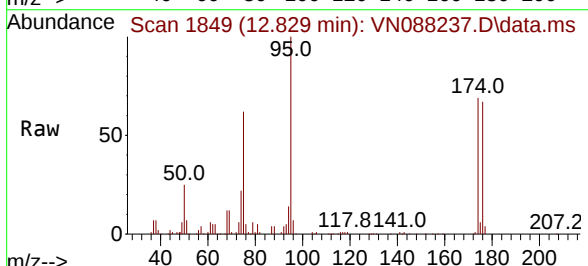
Acq: 10 Nov 2025 13:27

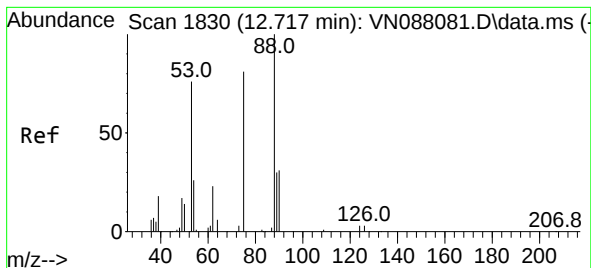
Tgt Ion: 75 Resp: 152838

Ion Ratio Lower Upper

75 100

77 1.7 89.1 267.4#

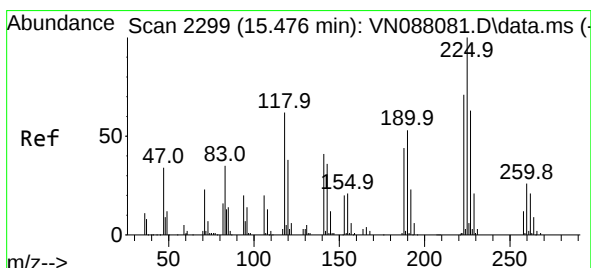
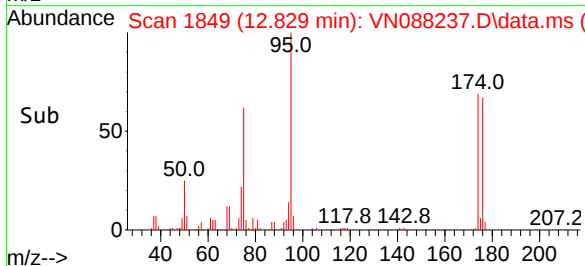
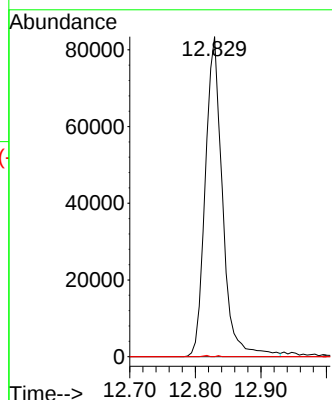
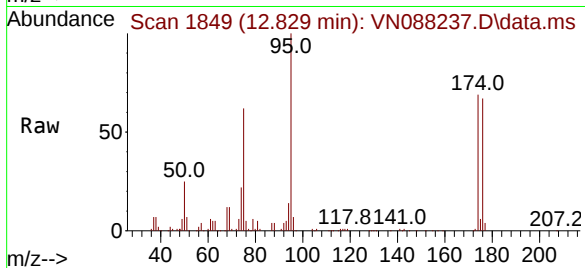




#81
trans-1,4-Dichloro-2-butene
Concen: 69.654 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN088237.D
Acq: 10 Nov 2025 13:27

Instrument :
MSVOA_N
ClientSampleId :
VN1110WBL01

Tgt Ion: 75 Resp: 152838
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.1 35.6 53.4#



#94
Hexachlorobutadiene
Concen: 0.280 ug/l
RT: 15.470 min Scan# 2298
Delta R.T. -0.006 min
Lab File: VN088237.D
Acq: 10 Nov 2025 13:27

Tgt Ion: 225 Resp: 542
Ion Ratio Lower Upper
225 100
223 46.3 32.0 96.2
227 22.5 32.1 96.5#

