

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091925\
 Data File : VN087909.D
 Acq On : 19 Sep 2025 14:06
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 20 03:07:12 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)

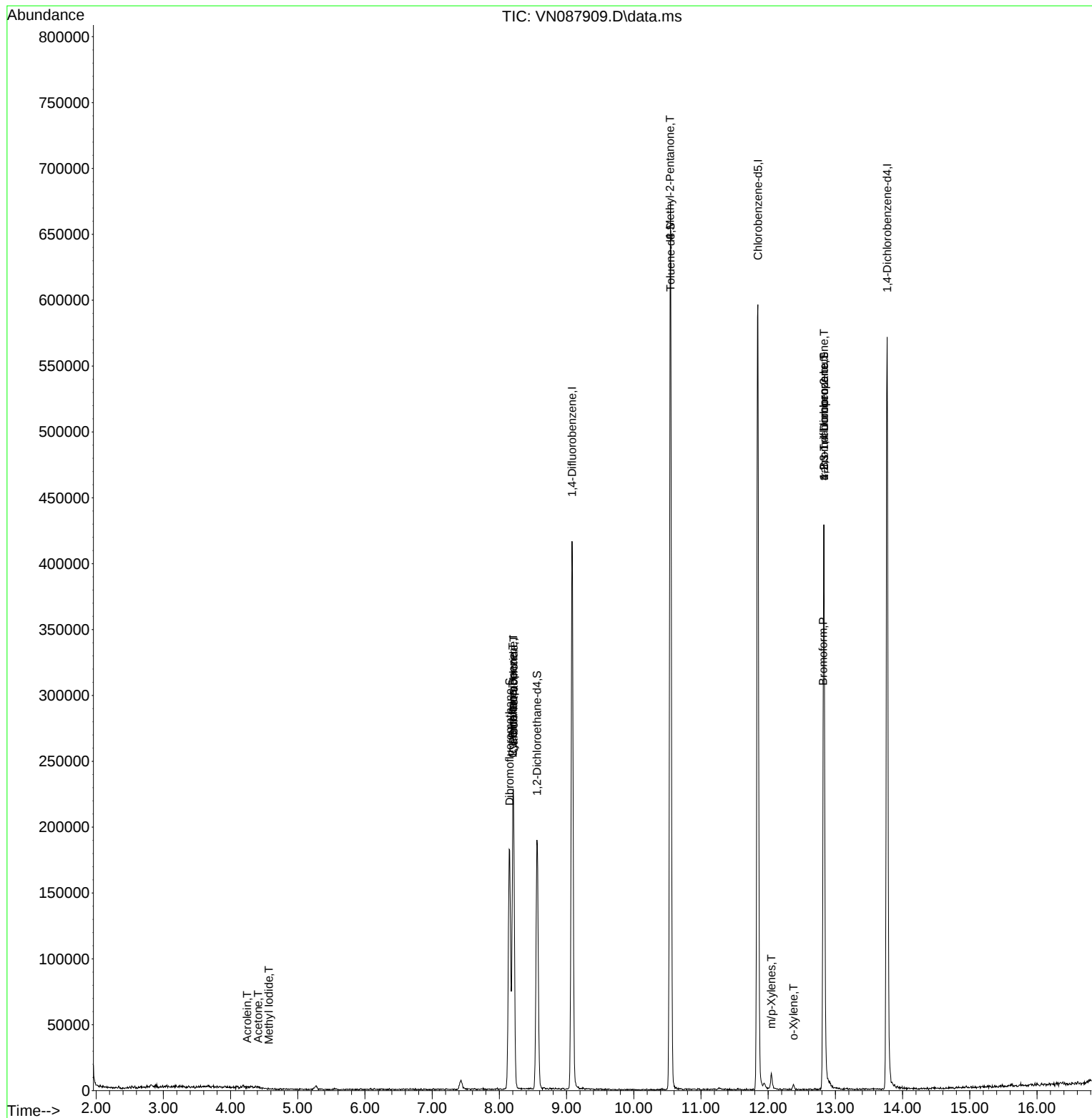
Internal Standards						
1) Pentafluorobenzene	8.206	168	159859	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	354104	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	350848	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	159383	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	159890	48.816	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.640%		
35) Dibromofluoromethane	8.153	113	131300	51.357	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.720%		
50) Toluene-d8	10.547	98	448228	46.842	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.680%		
62) 4-Bromofluorobenzene	12.829	95	147653	43.389	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	86.780%		
Target Compounds						Qvalue
10) Methyl Iodide	4.571	142	90	6.857	ug/l #	38
13) Acrolein	4.247	56	296	0.423	ug/l #	14
16) Acetone	4.412	43	462	0.259	ug/l #	47
20) Methylene Chloride	5.259	84	1788	Below Cal	#	72
31) Cyclohexane	8.200	56	4684	1.137	ug/l #	19
36) 1,1-Dichloropropene	8.200	75	15218	3.880	ug/l #	52
38) Carbon Tetrachloride	8.212	117	18361	4.741	ug/l #	16
51) 4-Methyl-2-Pentanone	10.541	43	2388	0.473	ug/l #	1
68) m/p-Xylenes	12.047	106	3298	0.595	ug/l	86
69) o-Xylene	12.376	106	1373	0.253	ug/l	72
71) Bromoform	12.817	173	714	0.321	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	83403	22.314	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	83403	59.075	ug/l #	1

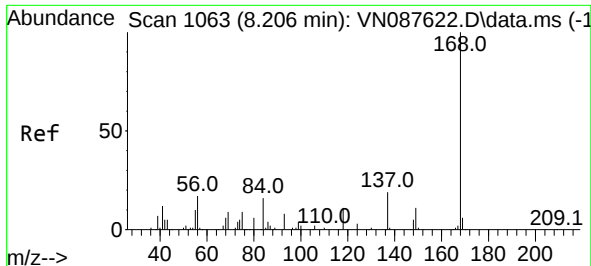
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 20 03:07:12 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

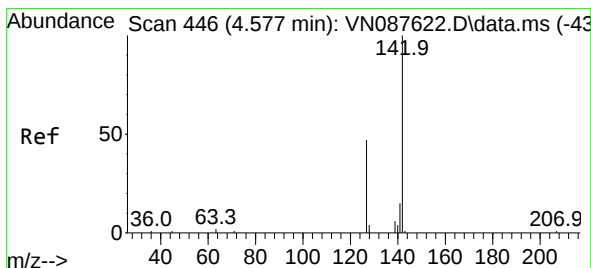
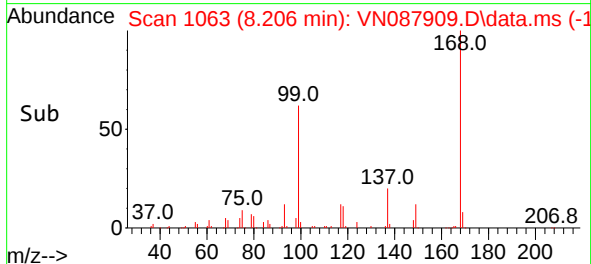
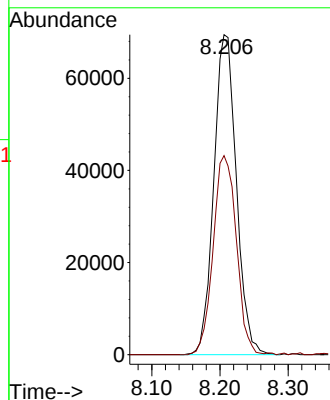
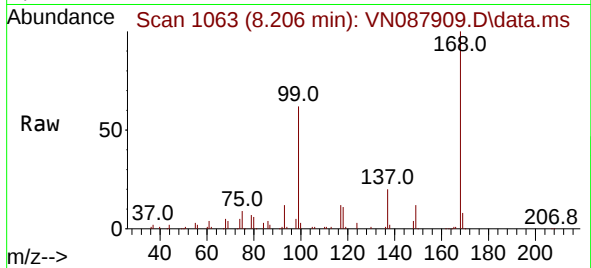




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN087909.D
Acq: 19 Sep 2025 14:06

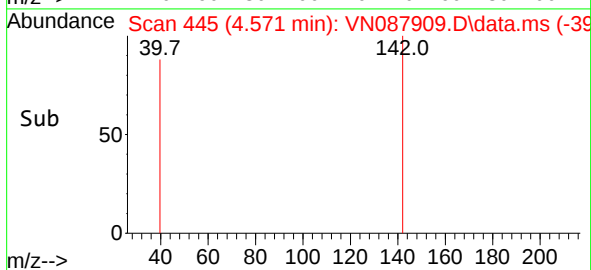
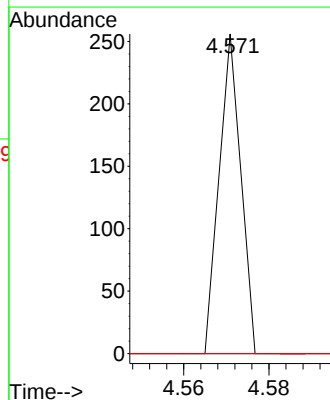
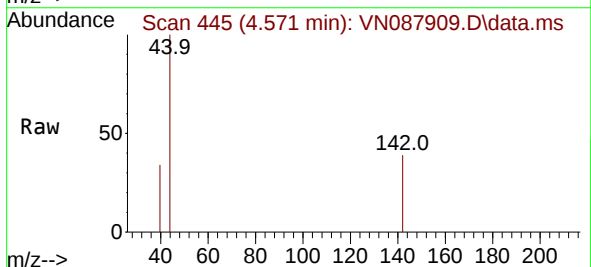
Instrument :
MSVOA_N
ClientSampleId :

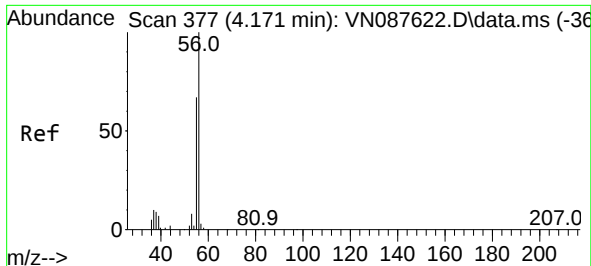
Tgt Ion:168 Resp: 159859
Ion Ratio Lower Upper
168 100
99 62.2 57.2 85.8



#10
Methyl Iodide
Concen: 6.857 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.006 min
Lab File: VN087909.D
Acq: 19 Sep 2025 14:06

Tgt Ion:142 Resp: 90
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#

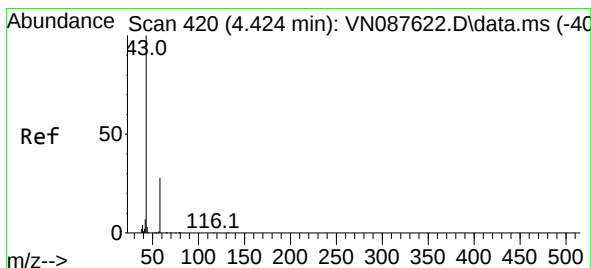
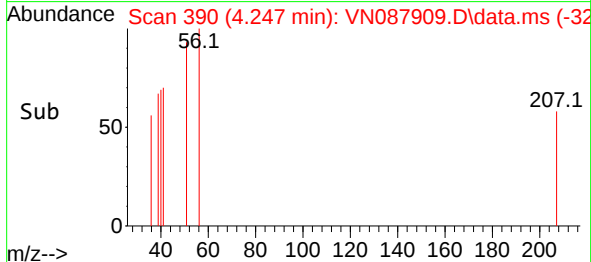
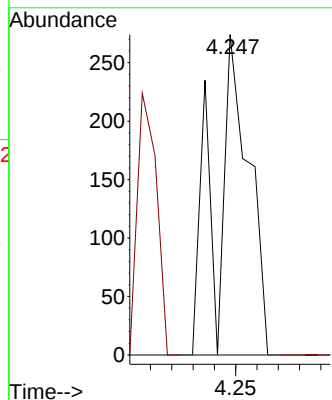
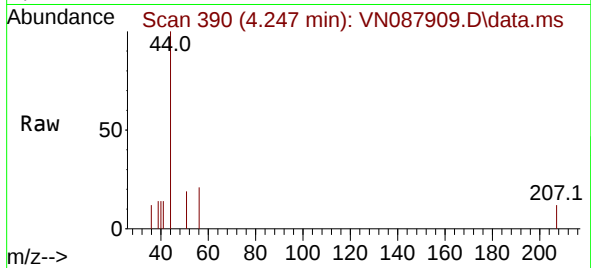




#13
Acrolein
Concen: 0.423 ug/l
RT: 4.247 min Scan# 390
Delta R.T. 0.076 min
Lab File: VN087909.D
Acq: 19 Sep 2025 14:06

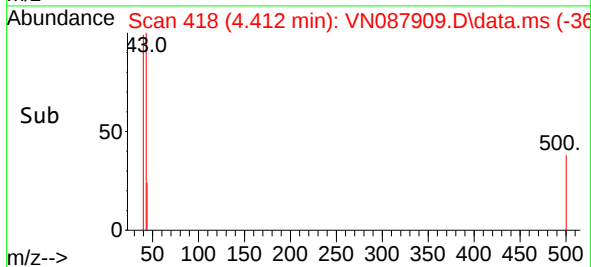
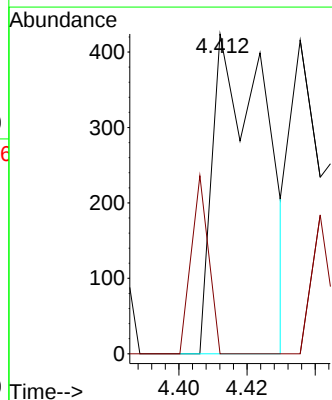
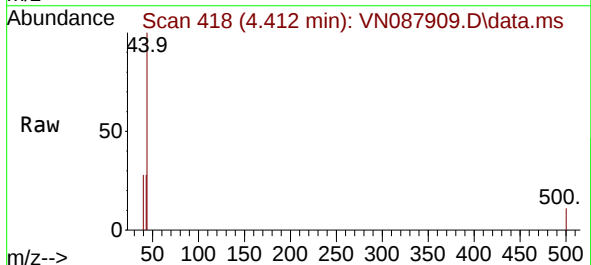
Instrument :
MSVOA_N
ClientSampleId :

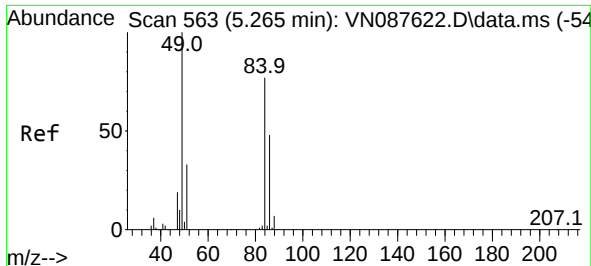
Tgt Ion: 56 Resp: 296
Ion Ratio Lower Upper
56 100
55 0.0 57.3 85.9#



#16
Acetone
Concen: 0.259 ug/l
RT: 4.412 min Scan# 418
Delta R.T. -0.012 min
Lab File: VN087909.D
Acq: 19 Sep 2025 14:06

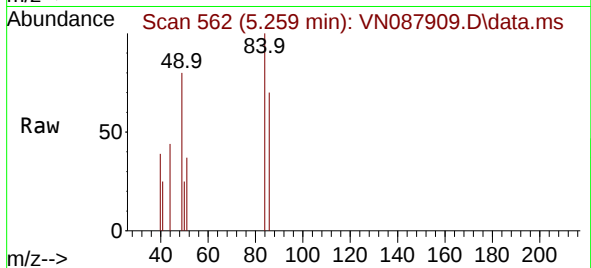
Tgt Ion: 43 Resp: 462
Ion Ratio Lower Upper
43 100
58 0.0 22.6 33.8#



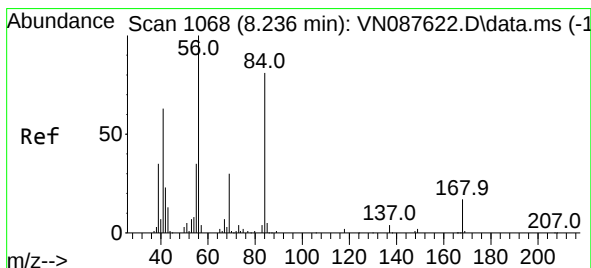
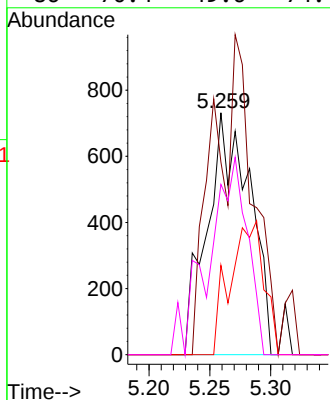
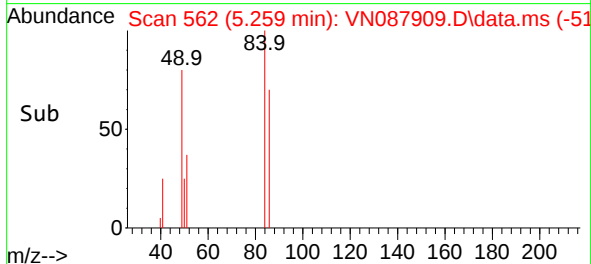


#20
Methylene Chloride
Concen: Below Cal
RT: 5.259 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN087909.D
Acq: 19 Sep 2025 14:06

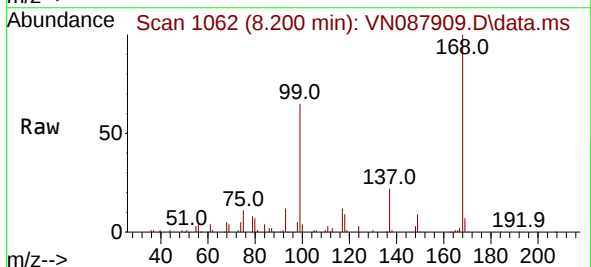
Instrument :
MSVOA_N
ClientSampleId :



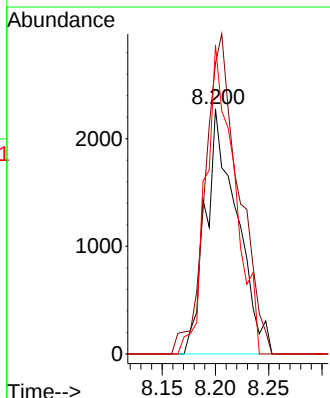
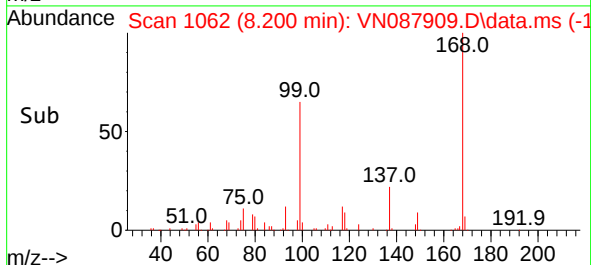
Tgt Ion:	84	Resp:	1788
Ion	Ratio	Lower	Upper
84	100		
49	79.6	103.4	155.2#
51	36.9	33.8	50.8
86	70.4	49.6	74.4

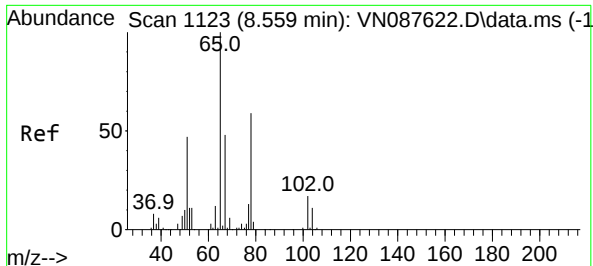


#31
Cyclohexane
Concen: 1.137 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.036 min
Lab File: VN087909.D
Acq: 19 Sep 2025 14:06



Tgt Ion:	56	Resp:	4684
Ion	Ratio	Lower	Upper
56	100		
69	118.5	23.7	35.5#
84	126.0	64.7	97.1#





#33

1,2-Dichloroethane-d4

Concen: 48.816 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN087909.D

Acq: 19 Sep 2025 14:06

Instrument :

MSVOA_N

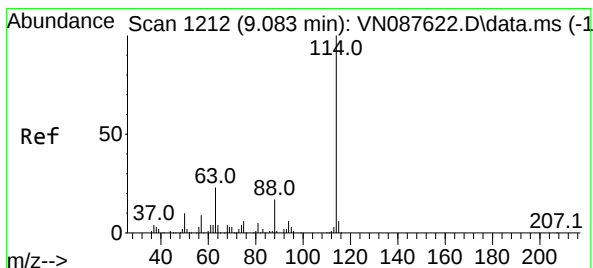
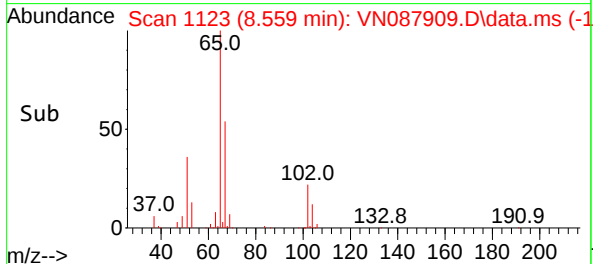
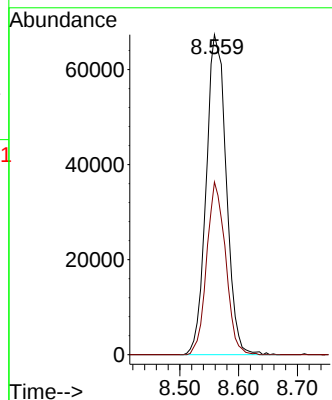
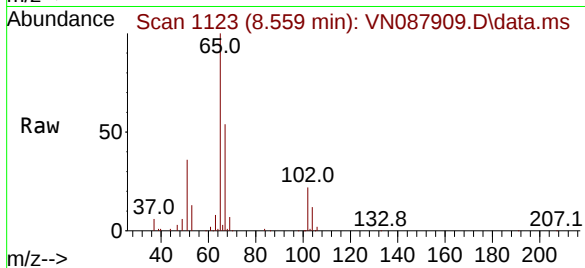
ClientSampleId :

Tgt Ion: 65 Resp: 159890

Ion Ratio Lower Upper

65 100

67 50.7 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: VN087909.D

Acq: 19 Sep 2025 14:06

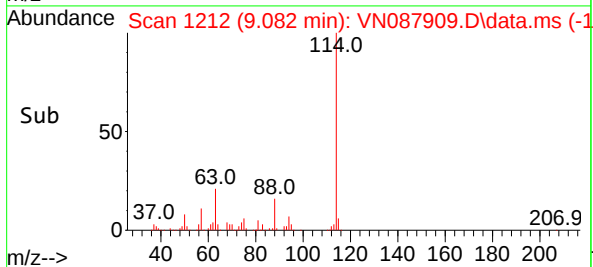
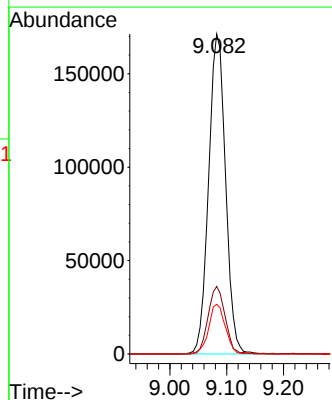
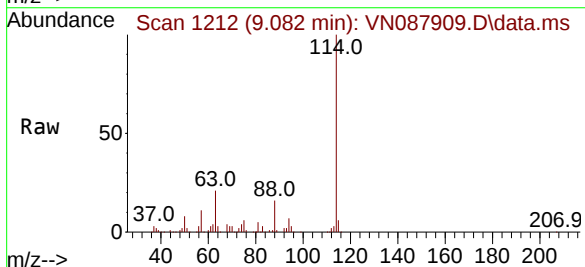
Tgt Ion: 114 Resp: 354104

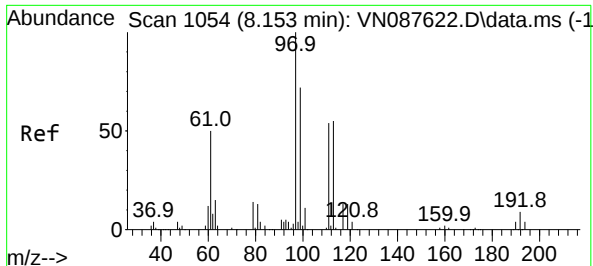
Ion Ratio Lower Upper

114 100

63 21.1 0.0 45.2

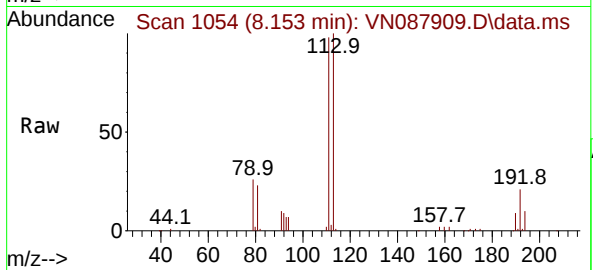
88 15.5 0.0 33.4



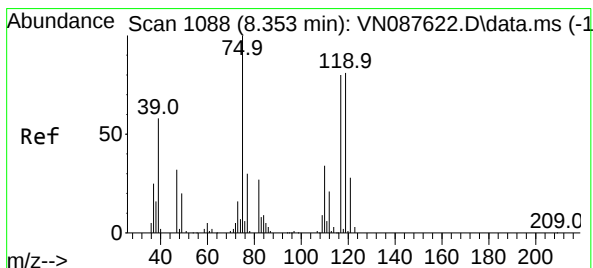
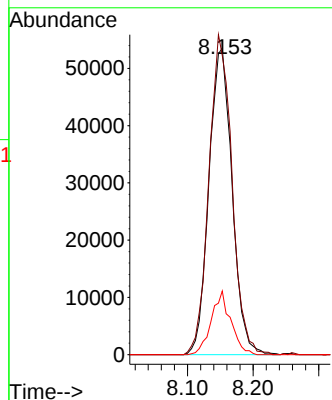
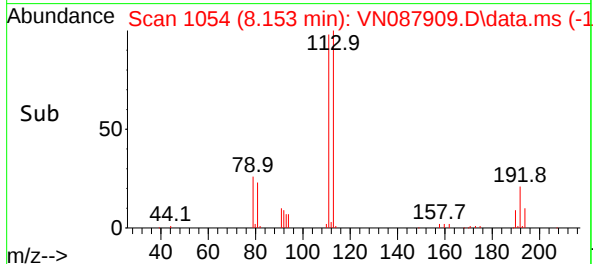


#35
Dibromofluoromethane
Concen: 51.357 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN087909.D
Acq: 19 Sep 2025 14:06

Instrument :
MSVOA_N
ClientSampleId :

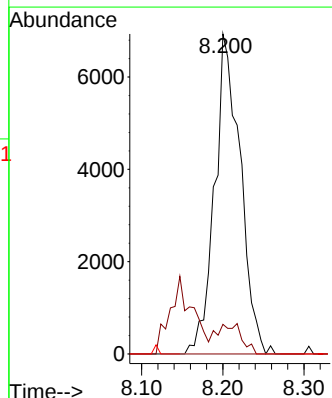
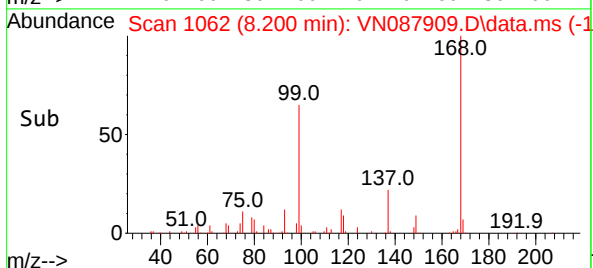
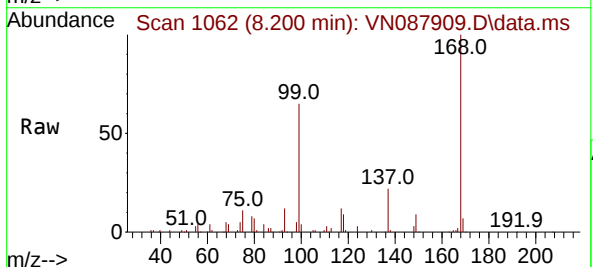


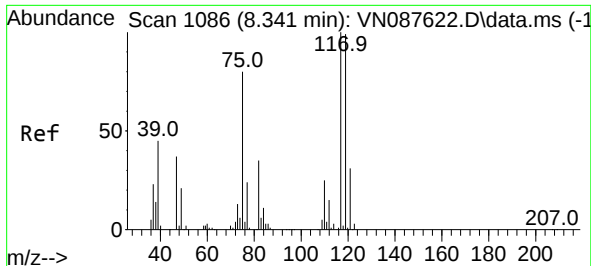
Tgt Ion:113 Resp: 131300
Ion Ratio Lower Upper
113 100
111 103.7 82.8 124.2
192 17.5 12.8 19.2



#36
1,1-Dichloropropene
Concen: 3.880 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.153 min
Lab File: VN087909.D
Acq: 19 Sep 2025 14:06

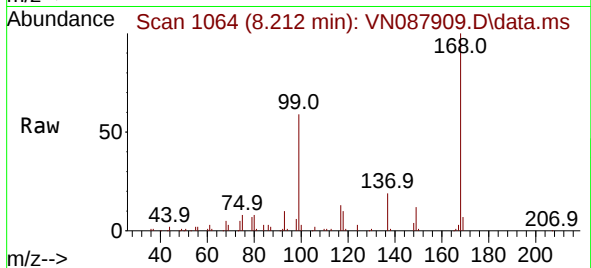
Tgt Ion: 75 Resp: 15218
Ion Ratio Lower Upper
75 100
110 9.3 15.9 47.6#
77 0.0 24.4 36.6#



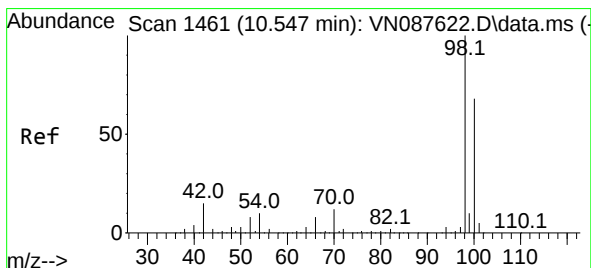
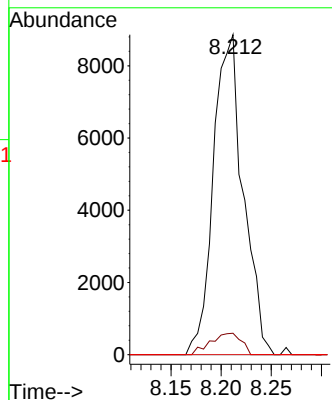
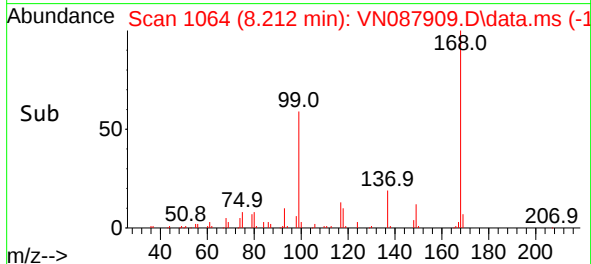


#38
Carbon Tetrachloride
Concen: 4.741 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.130 min
Lab File: VN087909.D
Acq: 19 Sep 2025 14:06

Instrument :
MSVOA_N
ClientSampleId :

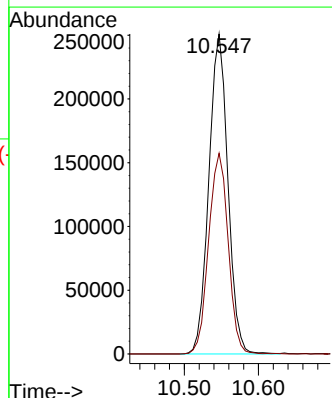
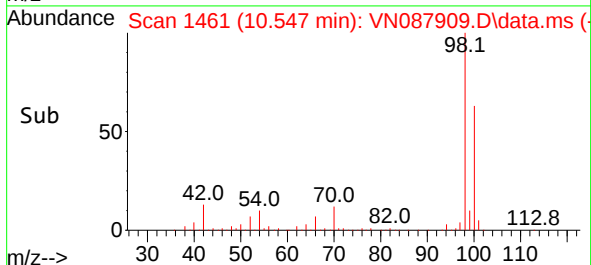
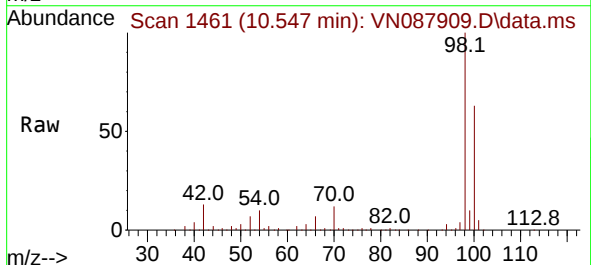


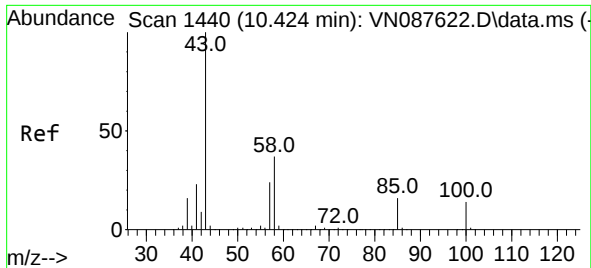
Tgt Ion:117 Resp: 18361
Ion Ratio Lower Upper
117 100
119 6.7 79.0 118.6#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 46.842 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087909.D
Acq: 19 Sep 2025 14:06

Tgt Ion: 98 Resp: 448228
Ion Ratio Lower Upper
98 100
100 64.2 52.8 79.2

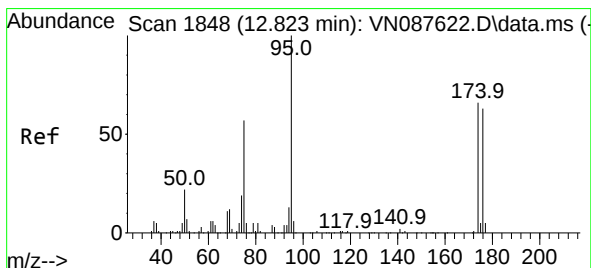
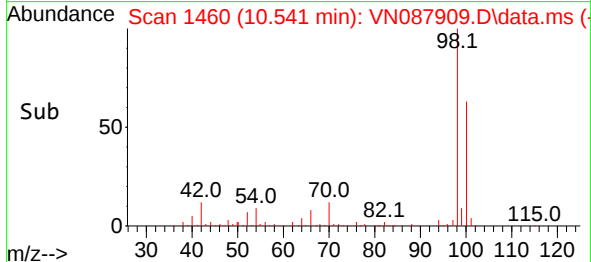
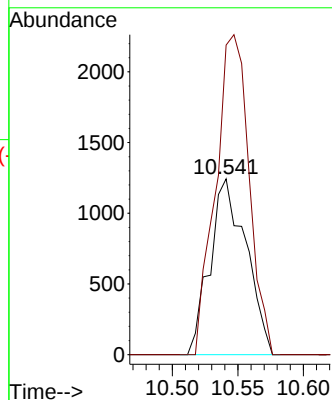
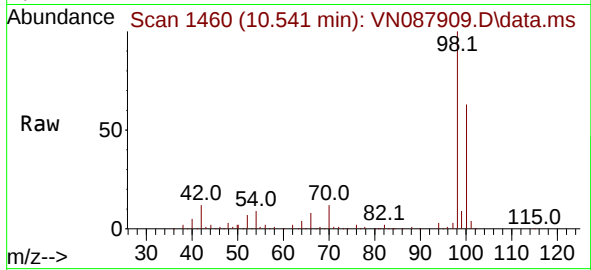




#51
4-Methyl-2-Pentanone
Concen: 0.473 ug/l
RT: 10.541 min Scan# 1440
Delta R.T. 0.117 min
Lab File: VN087909.D
Acq: 19 Sep 2025 14:06

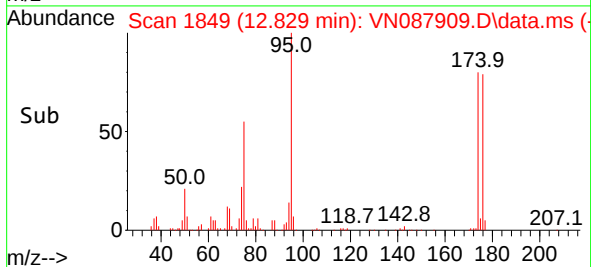
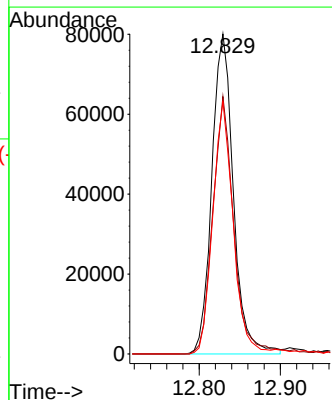
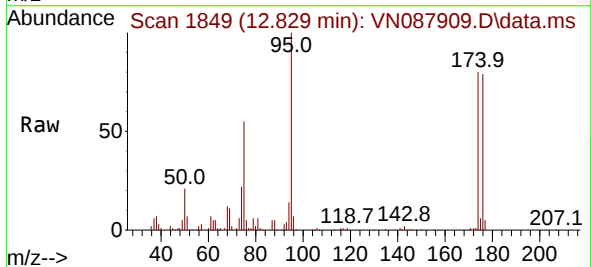
Instrument :
MSVOA_N
ClientSampleId :

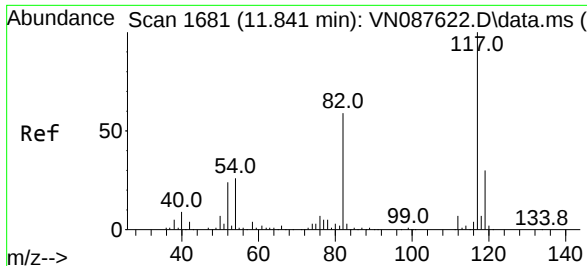
Tgt Ion: 43 Resp: 2388
Ion Ratio Lower Upper
43 100
58 168.7 29.6 44.4#



#62
4-Bromofluorobenzene
Concen: 43.389 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087909.D
Acq: 19 Sep 2025 14:06

Tgt Ion: 95 Resp: 147653
Ion Ratio Lower Upper
95 100
174 79.1 0.0 138.4
176 74.5 0.0 132.6

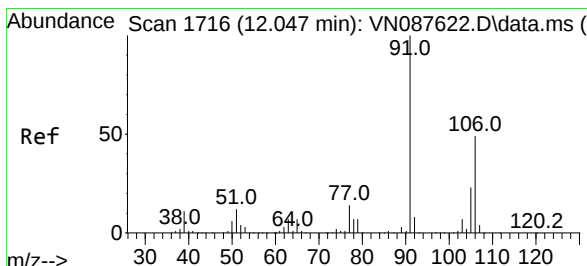
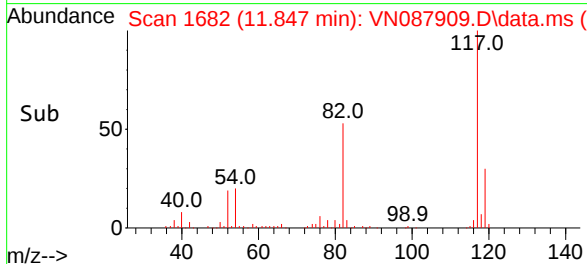
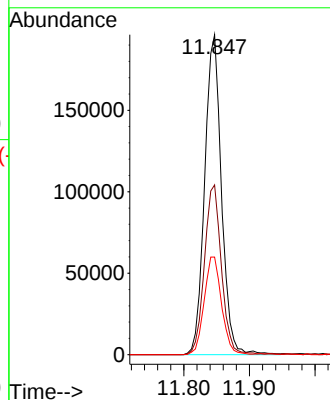
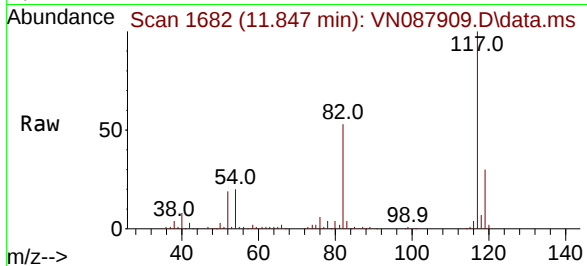




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN087909.D
Acq: 19 Sep 2025 14:06

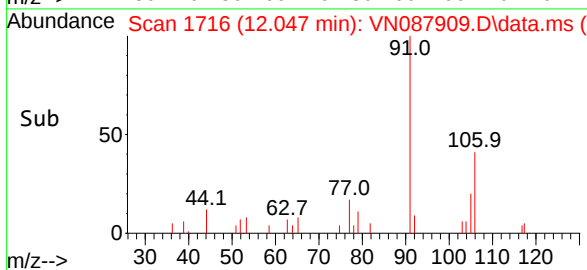
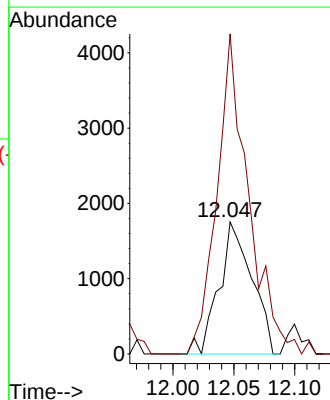
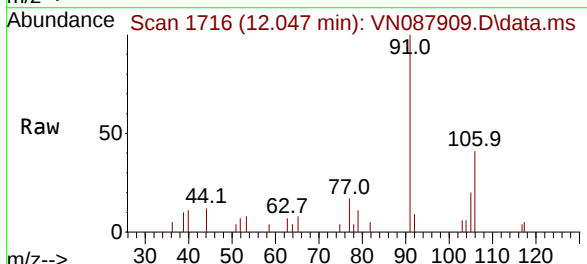
Instrument :
MSVOA_N
ClientSampleId :

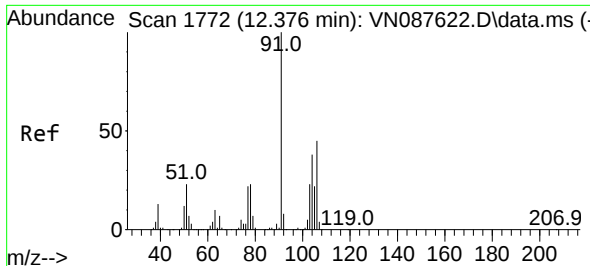
Tgt Ion:117 Resp: 350848
Ion Ratio Lower Upper
117 100
82 53.1 47.4 71.2
119 30.5 24.3 36.5



#68
m/p-Xylenes
Concen: 0.595 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN087909.D
Acq: 19 Sep 2025 14:06

Tgt Ion:106 Resp: 3298
Ion Ratio Lower Upper
106 100
91 234.3 169.3 253.9

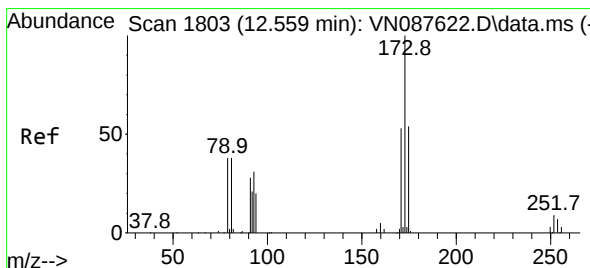
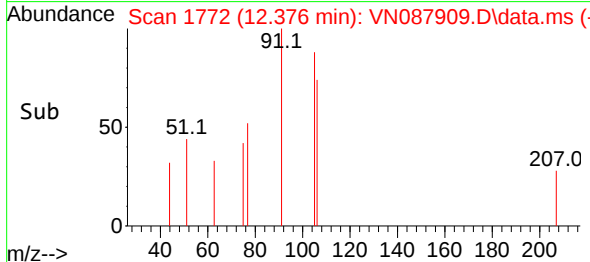
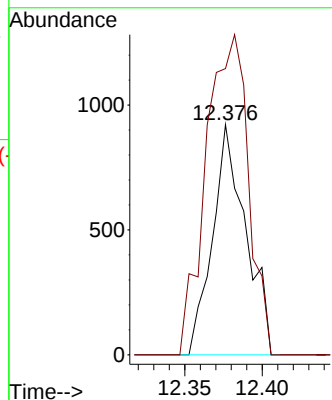
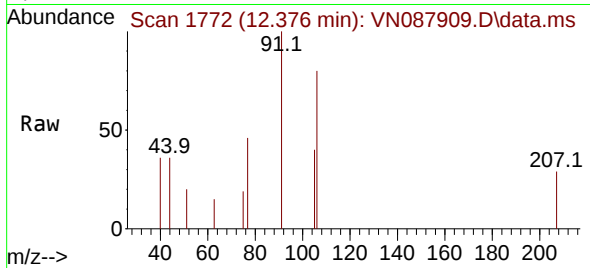




#69
o-Xylene
Concen: 0.253 ug/l
RT: 12.376 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087909.D
Acq: 19 Sep 2025 14:06

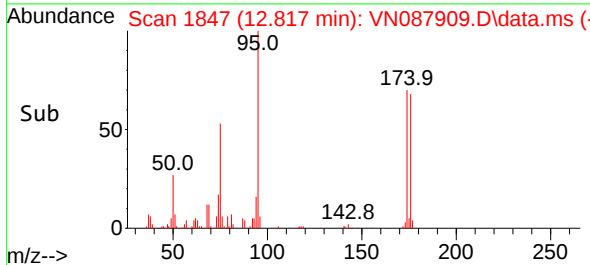
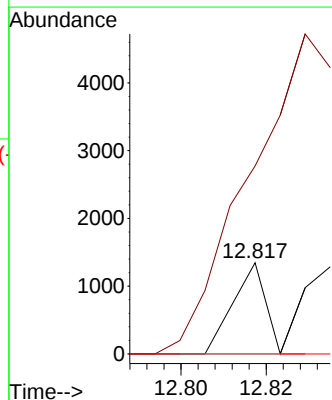
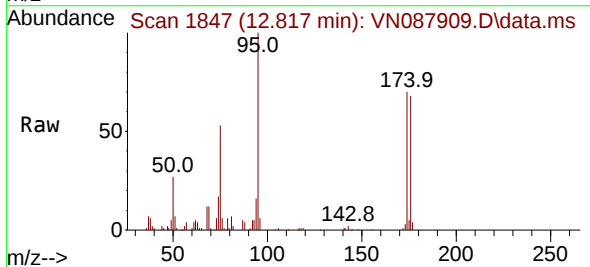
Instrument :
MSVOA_N
ClientSampleId :

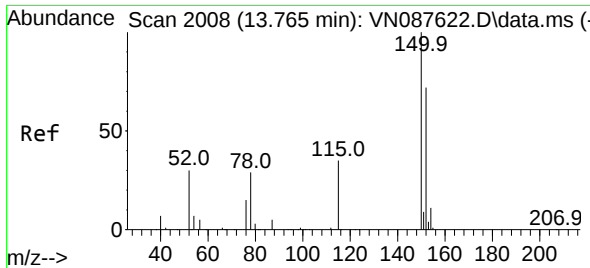
Tgt Ion:106 Resp: 1373
Ion Ratio Lower Upper
106 100
91 177.3 111.4 334.2



#71
Bromoform
Concen: 0.321 ug/l
RT: 12.817 min Scan# 1847
Delta R.T. 0.259 min
Lab File: VN087909.D
Acq: 19 Sep 2025 14:06

Tgt Ion:173 Resp: 714
Ion Ratio Lower Upper
173 100
175 917.6 24.9 74.6#
254 0.0 0.1 0.1#

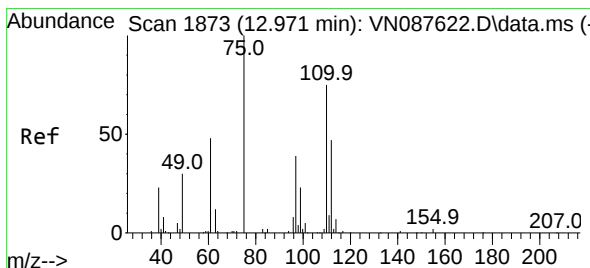
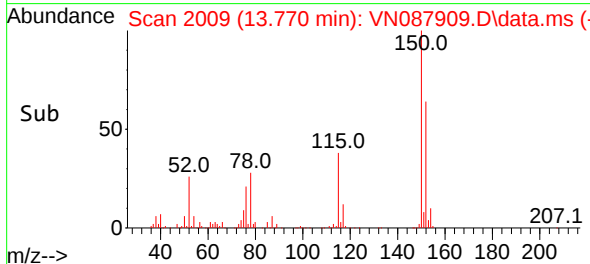
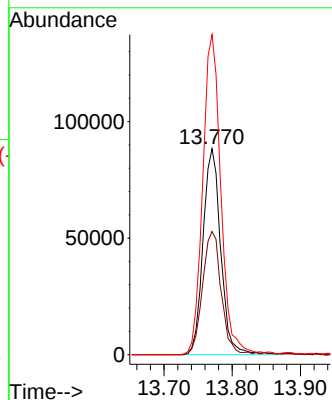
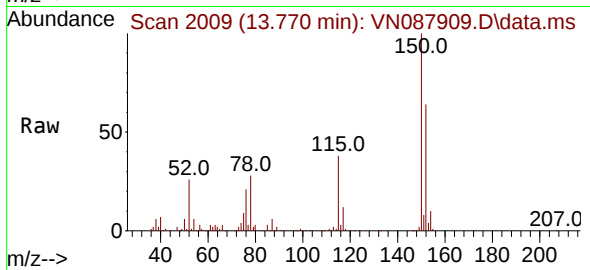




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN087909.D
 Acq: 19 Sep 2025 14:06

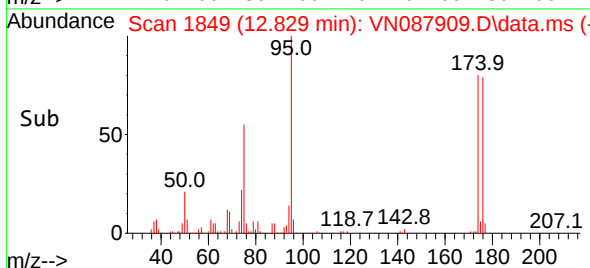
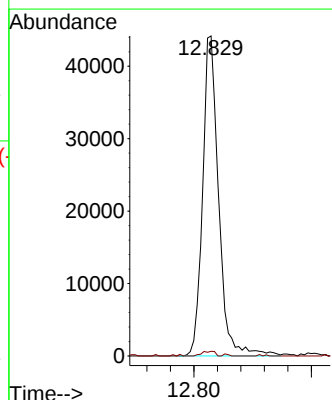
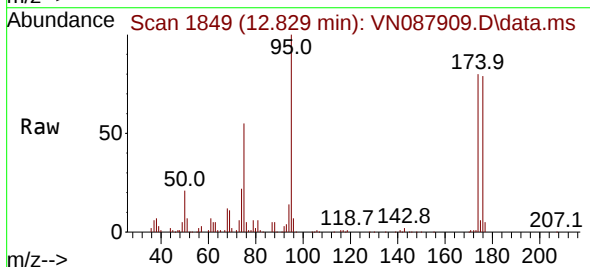
Instrument :
 MSVOA_N
 ClientSampleId :

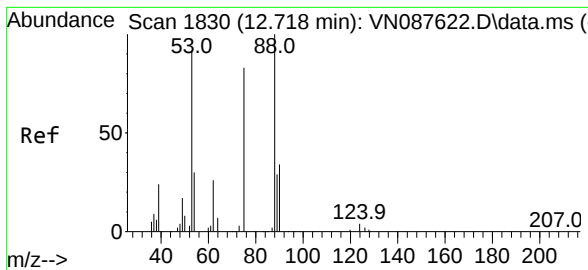
Tgt Ion:152 Resp: 159383
 Ion Ratio Lower Upper
 152 100
 115 63.0 32.3 96.8
 150 159.6 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 22.314 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN087909.D
 Acq: 19 Sep 2025 14:06

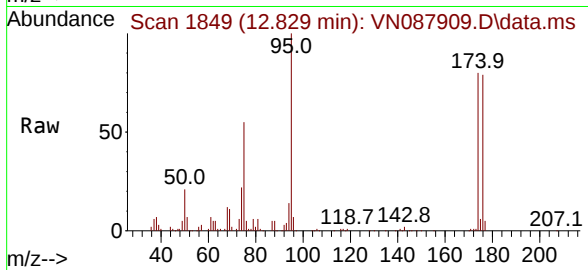
Tgt Ion: 75 Resp: 83403
 Ion Ratio Lower Upper
 75 100
 77 1.2 89.1 267.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.075 ug/l
 RT: 12.829 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN087909.D
 Acq: 19 Sep 2025 14:06

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 83403
 Ion Ratio Lower Upper
 75 100
 53 0.1 101.8 152.6#
 89 0.1 35.6 53.4#

