

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
 Data File : VN087862.D
 Acq On : 16 Sep 2025 19:40
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 17 01:29:51 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	214999	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	470300	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	453317	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	225044	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	200736	45.569	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.140%
35) Dibromofluoromethane	8.147	113	163810	48.242	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.480%
50) Toluene-d8	10.547	98	594692	46.793	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.580%
62) 4-Bromofluorobenzene	12.829	95	217472	48.116	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.240%

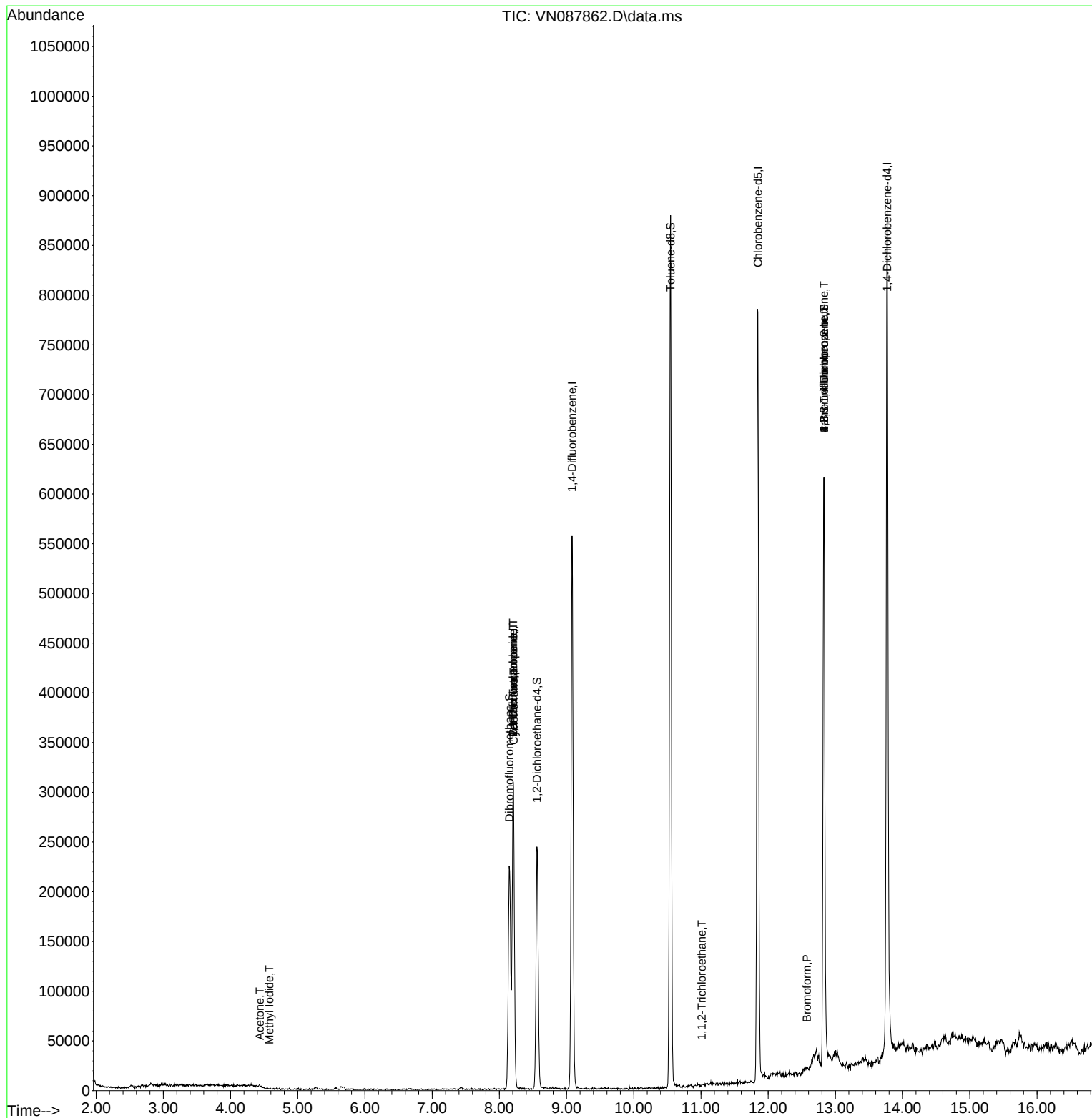
Target Compounds					Qvalue	
10) Methyl Iodide	4.577	142	70	6.837	ug/l #	38
16) Acetone	4.436	43	1747	0.729	ug/l #	83
20) Methylene Chloride	5.259	84	1435	Below Cal	#	76
31) Cyclohexane	8.212	56	5715	1.031	ug/l #	1
36) 1,1-Dichloropropene	8.206	75	18918	3.632	ug/l #	50
38) Carbon Tetrachloride	8.206	117	24691	4.801	ug/l #	18
55) 1,1,2-Trichloroethane	11.012	97	812	0.212	ug/l #	14
71) Bromoform	12.576	173	837	0.291	ug/l #	28
76) 1,2,3-Trichloropropane	12.829	75	125462	23.773	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	125462	62.938	ug/l #	1

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

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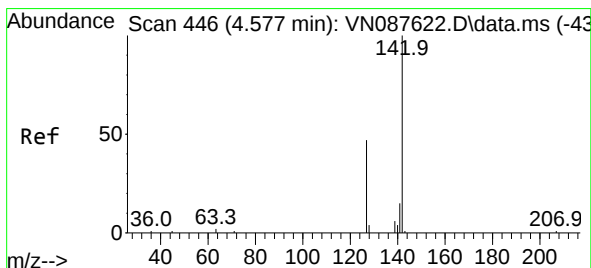
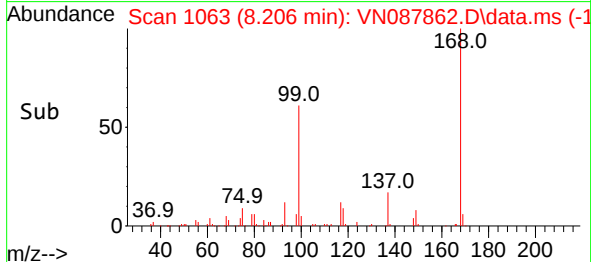
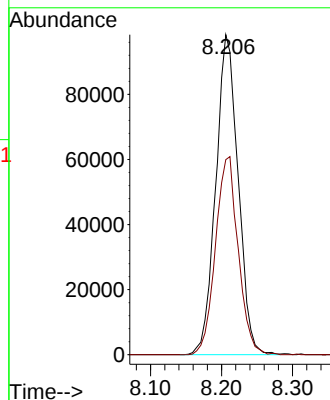
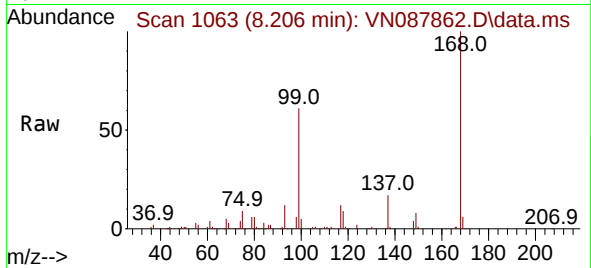




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087862.D
Acq: 16 Sep 2025 19:40

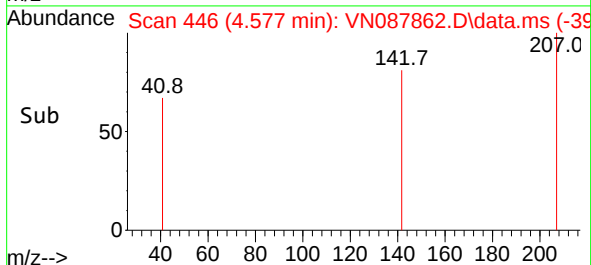
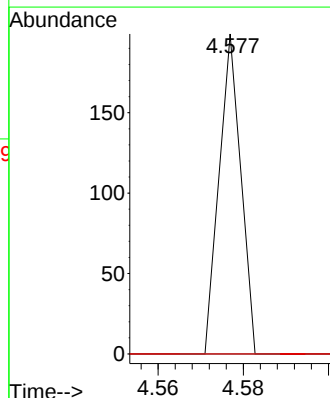
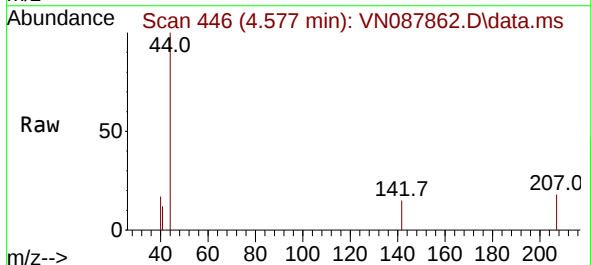
Instrument :
MSVOA_N
ClientSampleId :

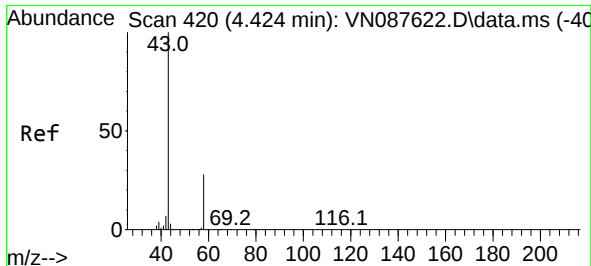
Tgt Ion:168 Resp: 214999
Ion Ratio Lower Upper
168 100
99 60.9 57.2 85.8



#10
Methyl Iodide
Concen: 6.837 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.000 min
Lab File: VN087862.D
Acq: 16 Sep 2025 19:40

Tgt Ion:142 Resp: 70
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#

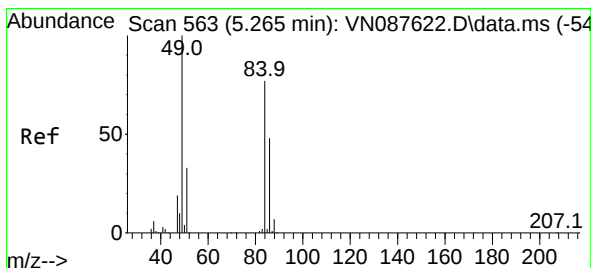
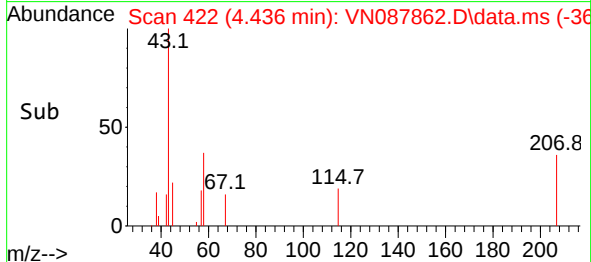
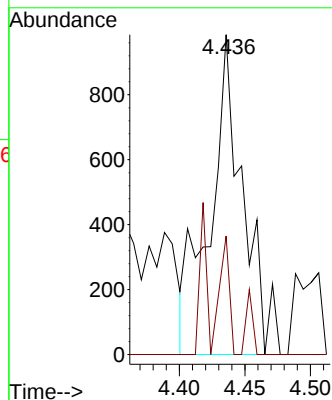
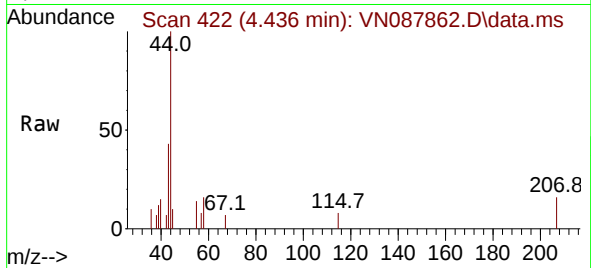




#16
Acetone
Concen: 0.729 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN087862.D
Acq: 16 Sep 2025 19:40

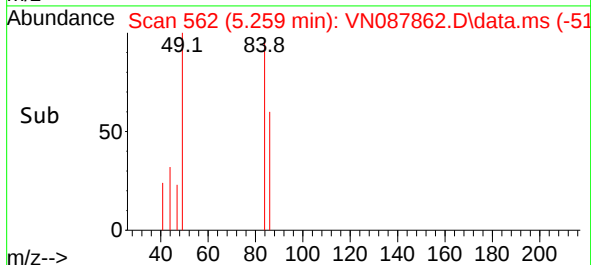
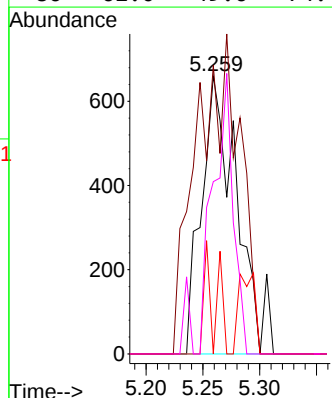
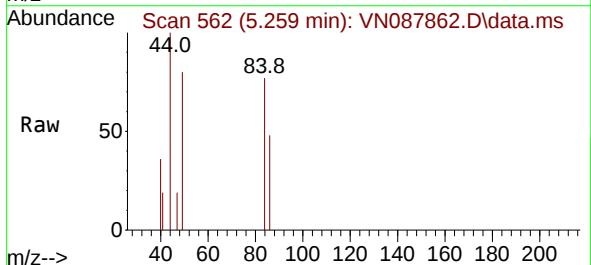
Instrument :
MSVOA_N
ClientSampleId :

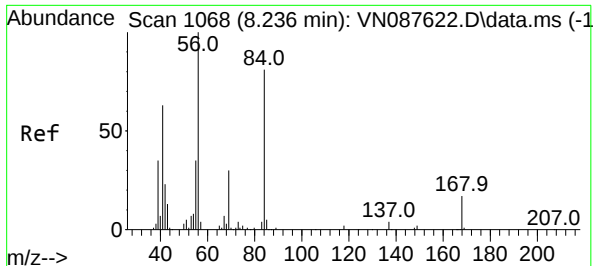
Tgt Ion: 43 Resp: 1747
Ion Ratio Lower Upper
43 100
58 37.1 22.6 33.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.259 min Scan# 562
Delta R.T. -0.006 min
Lab File: VN087862.D
Acq: 16 Sep 2025 19:40

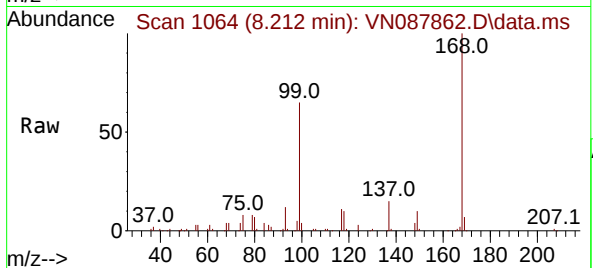
Tgt Ion: 84 Resp: 1435
Ion Ratio Lower Upper
84 100
49 103.9 103.4 155.2
51 0.0 33.8 50.8#
86 62.0 49.6 74.4



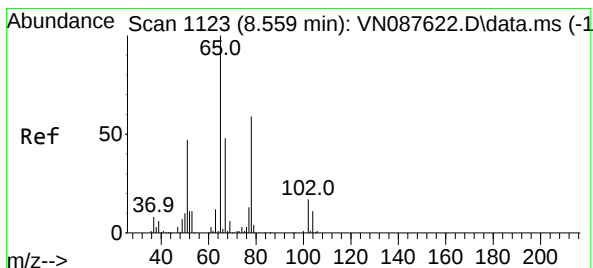
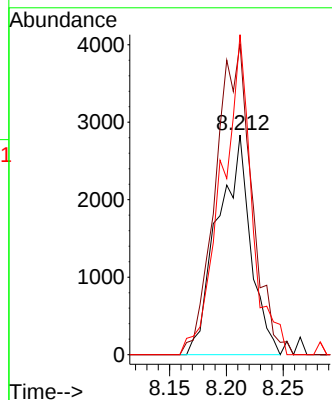
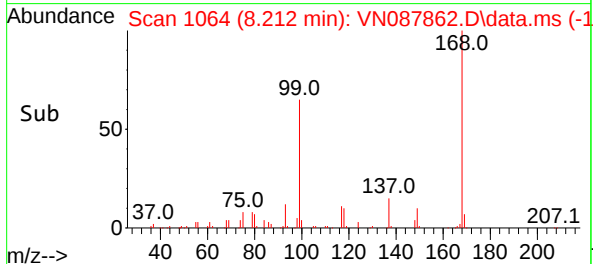


#31
Cyclohexane
Concen: 1.031 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.024 min
Lab File: VN087862.D
Acq: 16 Sep 2025 19:40

Instrument :
MSVOA_N
ClientSampleId :

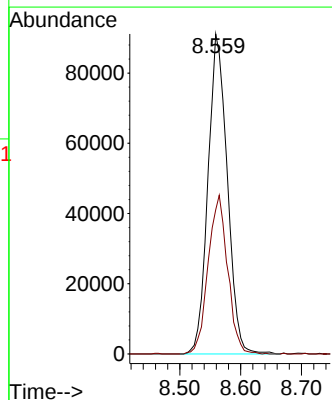
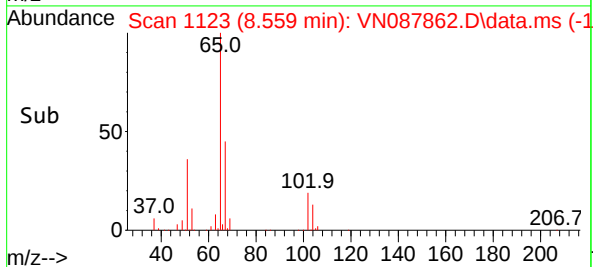
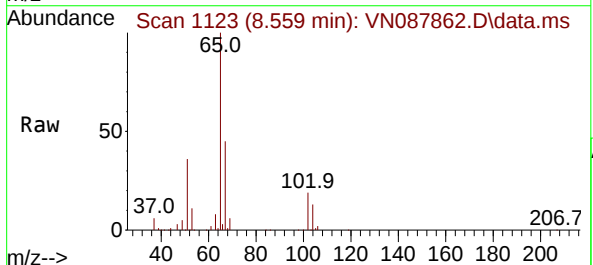


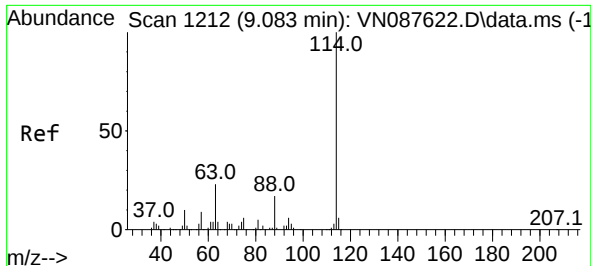
Tgt Ion: 56 Resp: 5715
Ion Ratio Lower Upper
56 100
69 141.5 23.7 35.5#
84 145.6 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 45.569 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087862.D
Acq: 16 Sep 2025 19:40

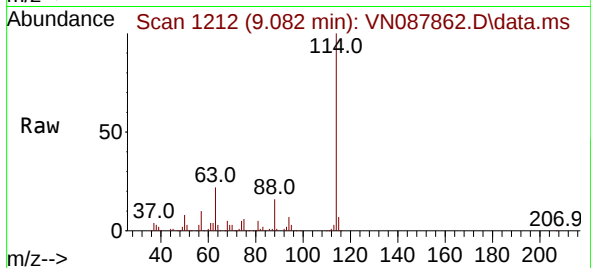
Tgt Ion: 65 Resp: 200736
Ion Ratio Lower Upper
65 100
67 50.1 0.0 100.0



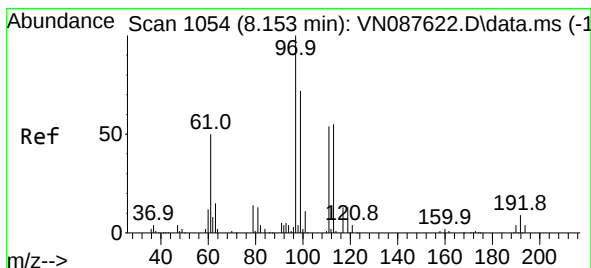
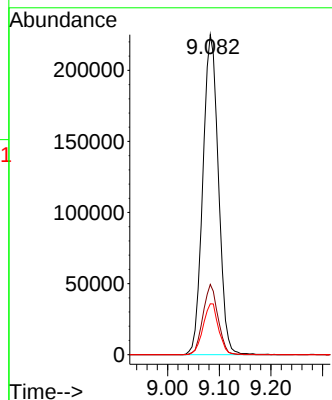
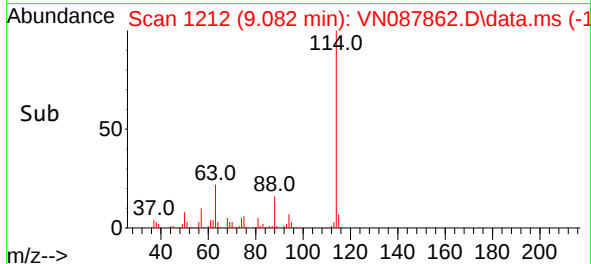


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087862.D
Acq: 16 Sep 2025 19:40

Instrument :
MSVOA_N
ClientSampleId :

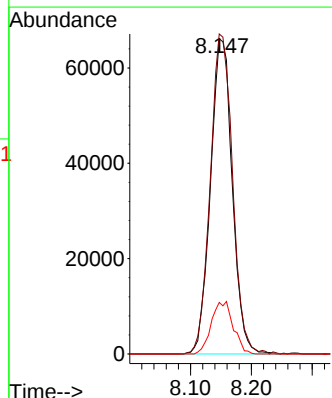
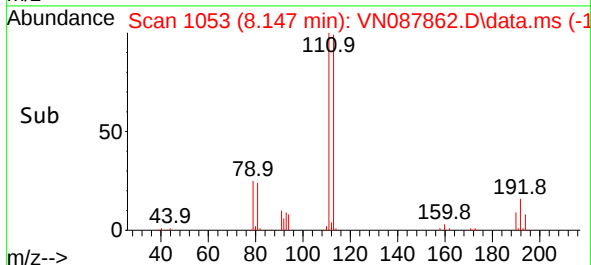
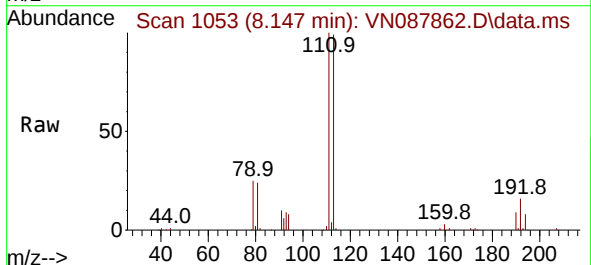


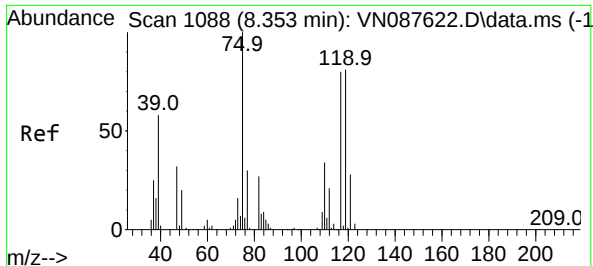
Tgt Ion:114 Resp: 470300
Ion Ratio Lower Upper
114 100
63 21.9 0.0 45.2
88 15.9 0.0 33.4



#35
Dibromofluoromethane
Concen: 48.242 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087862.D
Acq: 16 Sep 2025 19:40

Tgt Ion:113 Resp: 163810
Ion Ratio Lower Upper
113 100
111 103.9 82.8 124.2
192 16.7 12.8 19.2





#36

1,1-Dichloropropene

Concen: 3.632 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

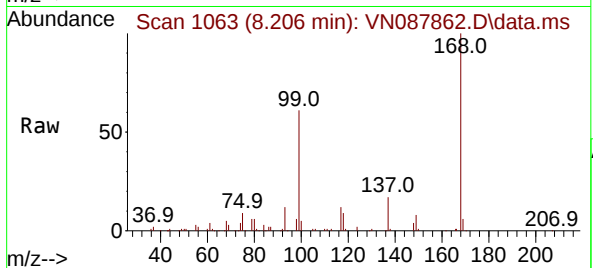
Lab File: VN087862.D

Acq: 16 Sep 2025 19:40

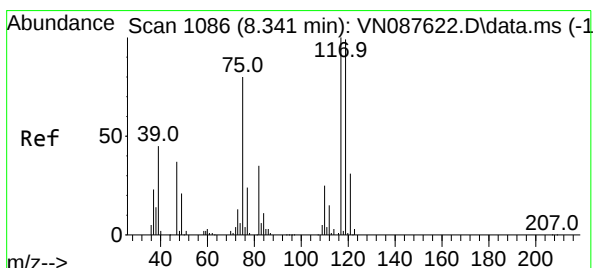
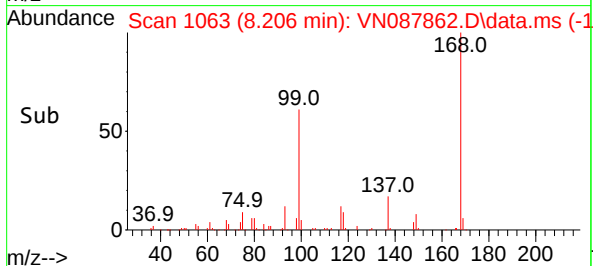
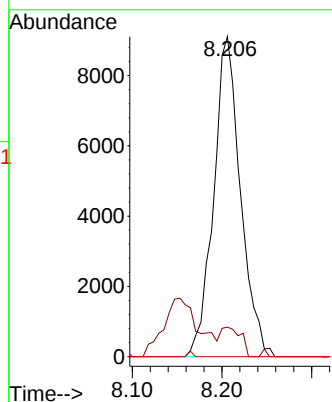
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	18918
Ion	Ratio	Lower	Upper
75	100		
110	6.9	15.9	47.6#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 4.801 ug/l

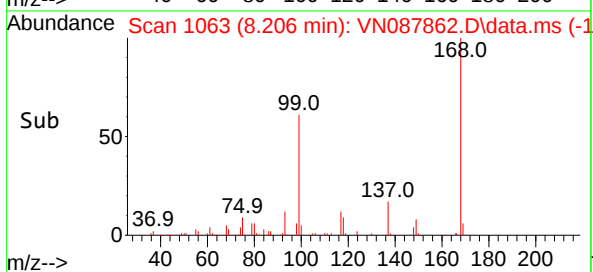
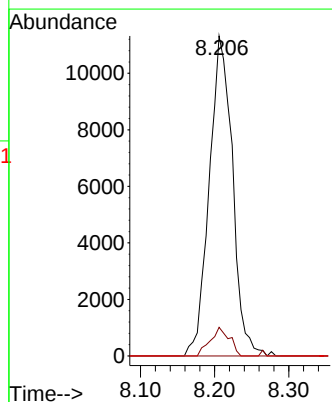
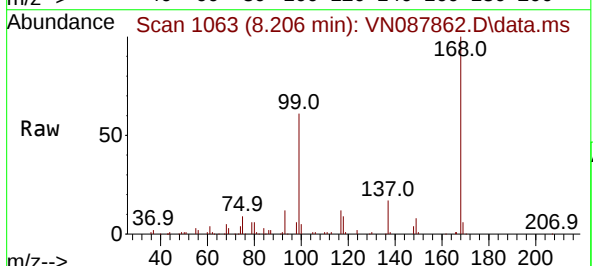
RT: 8.206 min Scan# 1063

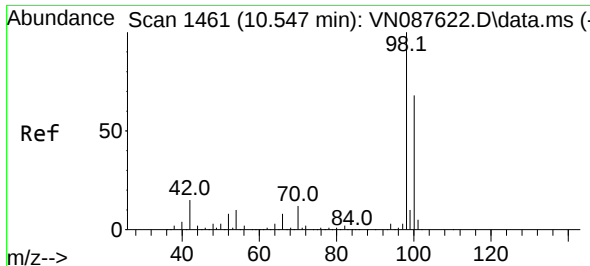
Delta R.T. -0.135 min

Lab File: VN087862.D

Acq: 16 Sep 2025 19:40

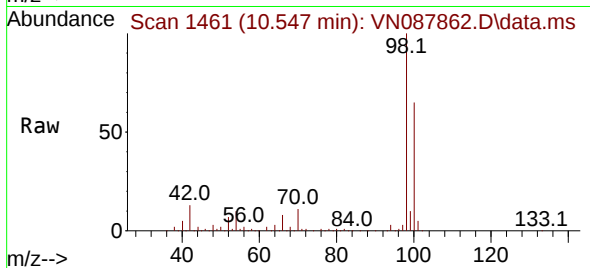
Tgt Ion:	117	Resp:	24691
Ion	Ratio	Lower	Upper
117	100		
119	9.0	79.0	118.6#
121	0.0	25.0	37.6#



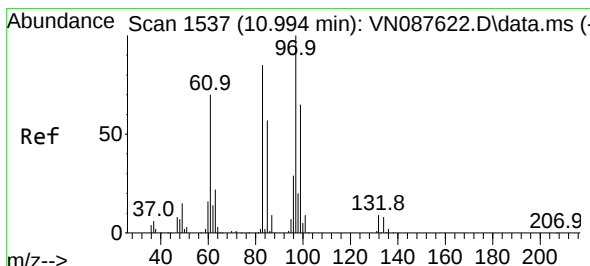
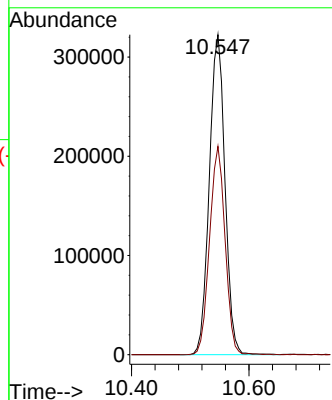
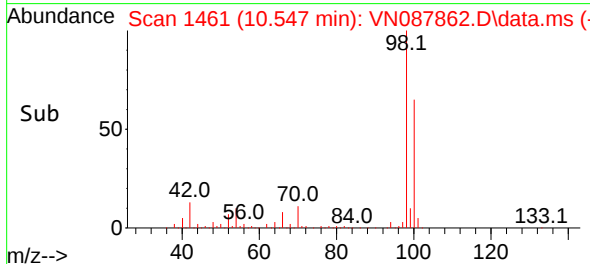


#50
Toluene-d8
Concen: 46.793 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087862.D
Acq: 16 Sep 2025 19:40

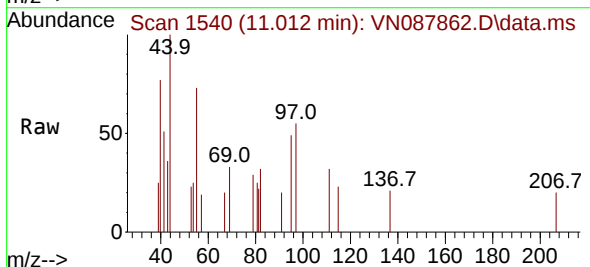
Instrument :
MSVOA_N
ClientSampleId :



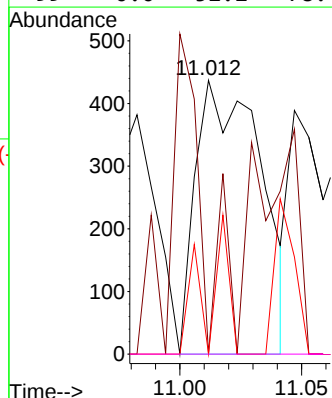
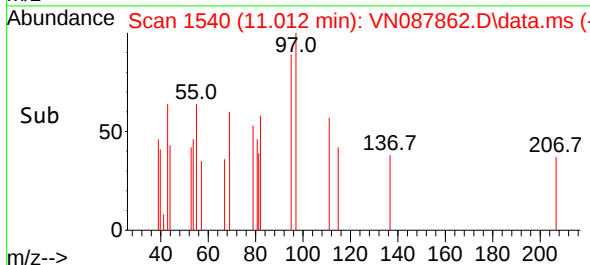
Tgt Ion: 98 Resp: 594692
Ion Ratio Lower Upper
98 100
100 64.7 52.8 79.2

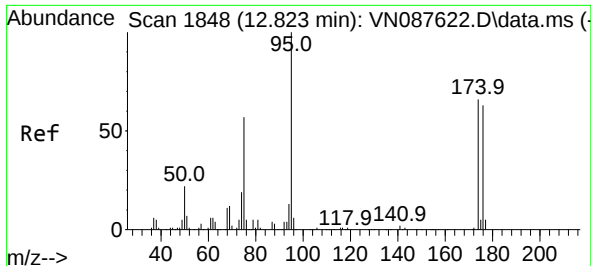


#55
1,1,2-Trichloroethane
Concen: 0.212 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. 0.018 min
Lab File: VN087862.D
Acq: 16 Sep 2025 19:40



Tgt Ion: 97 Resp: 812
Ion Ratio Lower Upper
97 100
83 0.0 68.2 102.4#
85 0.0 45.5 68.3#
99 0.0 52.2 78.4#

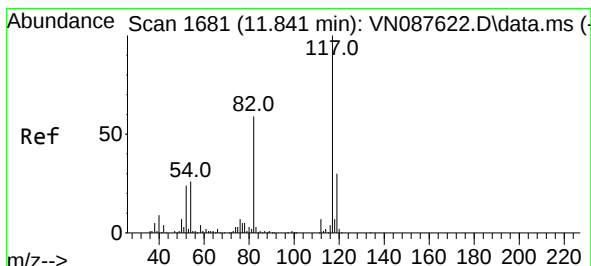
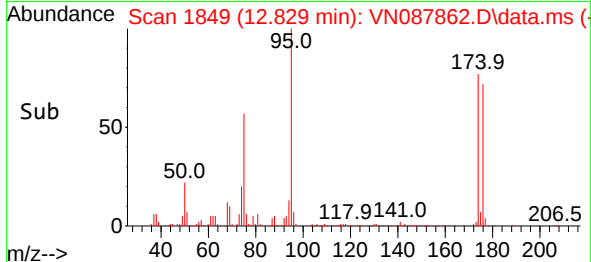
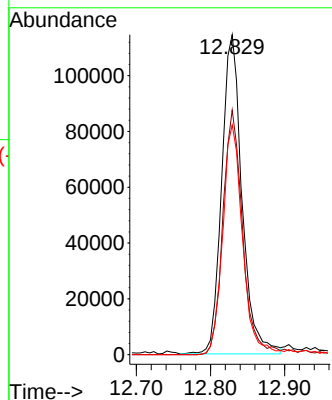
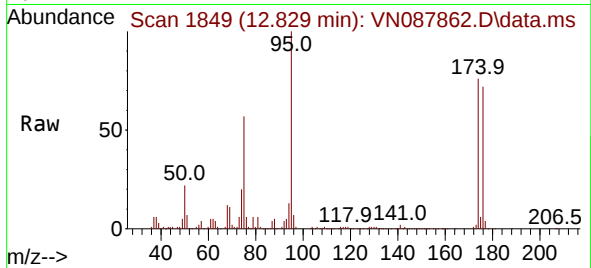




#62
4-Bromofluorobenzene
Concen: 48.116 ug/l
RT: 12.829 min Scan# 1848
Delta R.T. 0.006 min
Lab File: VN087862.D
Acq: 16 Sep 2025 19:40

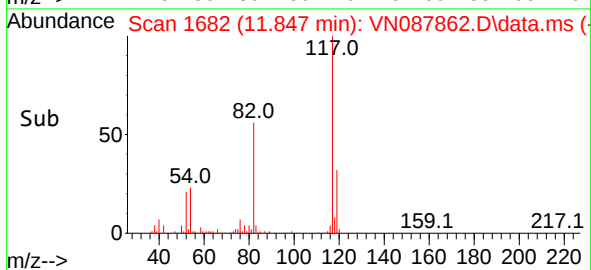
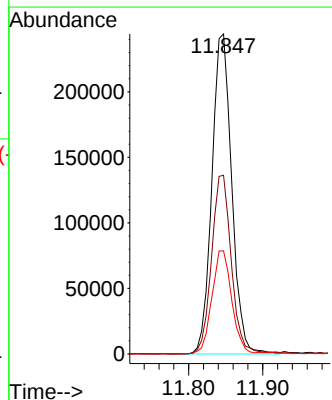
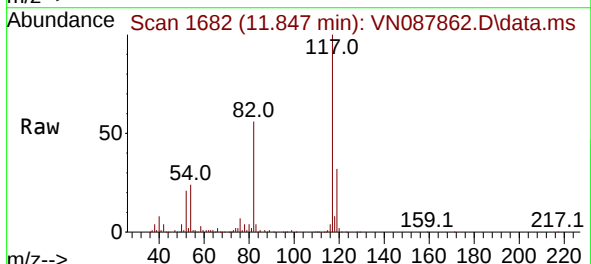
Instrument :
MSVOA_N
ClientSampleId :

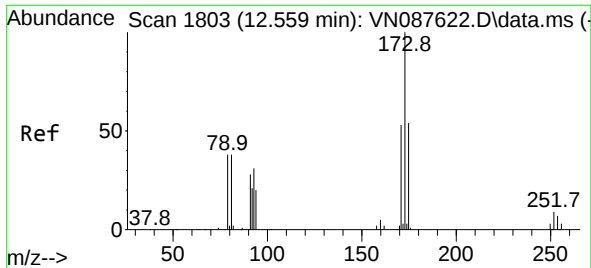
Tgt Ion: 95 Resp: 217472
Ion Ratio Lower Upper
95 100
174 75.1 0.0 138.4
176 70.5 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087862.D
Acq: 16 Sep 2025 19:40

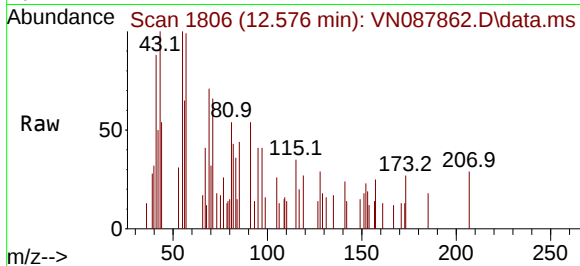
Tgt Ion: 117 Resp: 453317
Ion Ratio Lower Upper
117 100
82 55.7 47.4 71.2
119 32.2 24.3 36.5



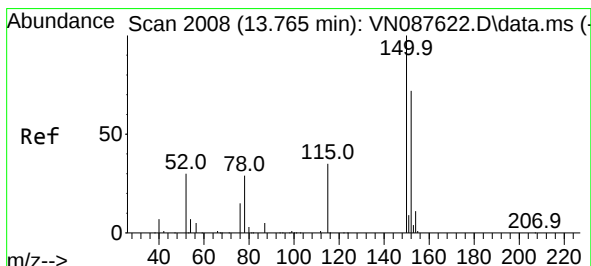
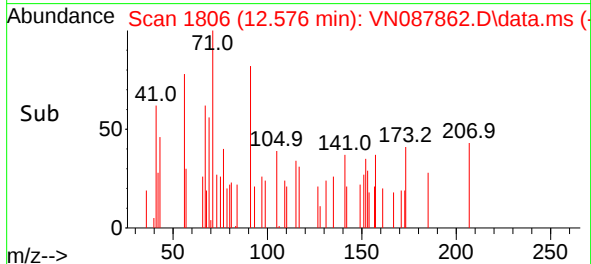
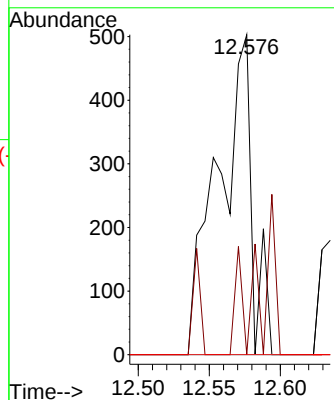


#71
Bromoform
Concen: 0.291 ug/l
RT: 12.576 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN087862.D
Acq: 16 Sep 2025 19:40

Instrument :
MSVOA_N
ClientSampleId :

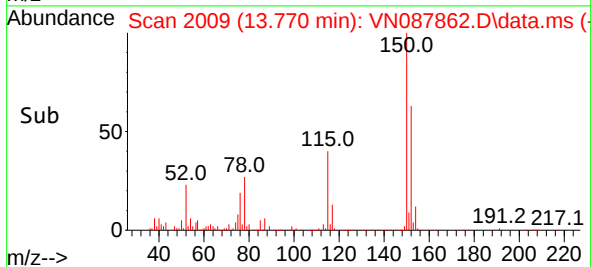
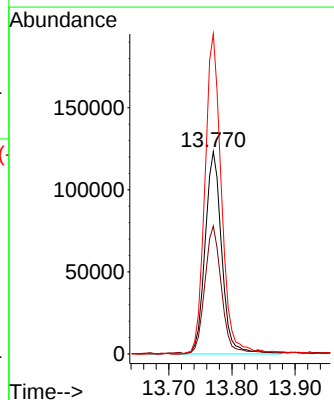
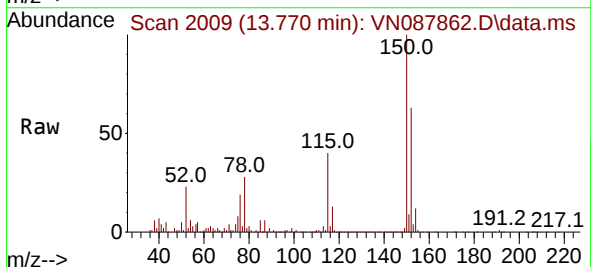


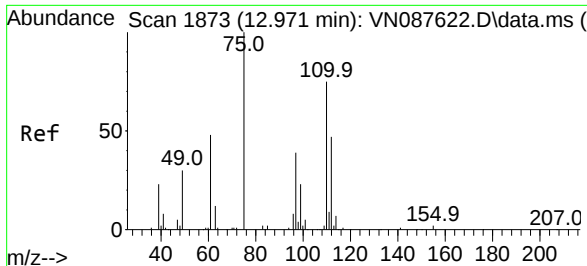
Tgt Ion:173 Resp: 837
Ion Ratio Lower Upper
173 100
175 0.0 24.9 74.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087862.D
Acq: 16 Sep 2025 19:40

Tgt Ion:152 Resp: 225044
Ion Ratio Lower Upper
152 100
115 62.8 32.3 96.8
150 157.0 0.0 351.0

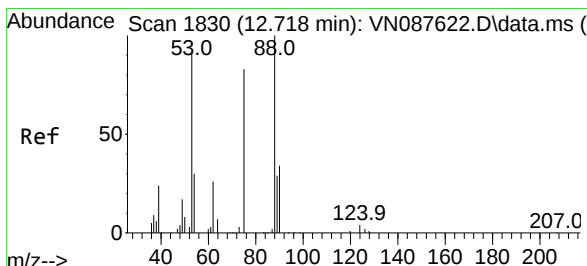
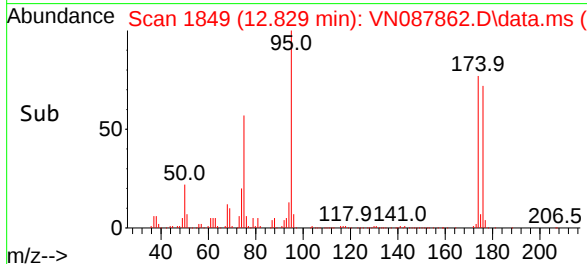
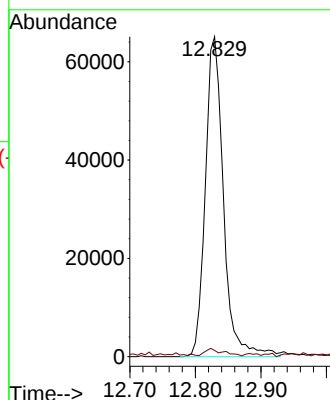
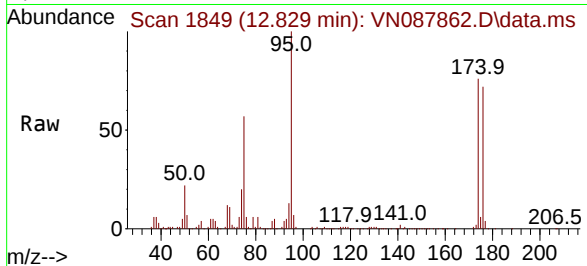




#76
1,2,3-Trichloropropane
Concen: 23.773 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087862.D
Acq: 16 Sep 2025 19:40

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 125462
Ion Ratio Lower Upper
75 100
77 2.2 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.938 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087862.D
Acq: 16 Sep 2025 19:40

Tgt Ion: 75 Resp: 125462
Ion Ratio Lower Upper
75 100
53 0.2 101.8 152.6#
89 0.1 35.6 53.4#

