

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
 Data File : VN087844.D
 Acq On : 15 Sep 2025 17:27
 Operator : JC\MD
 Sample : Q3077-01 20X
 Misc : 1.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 27 Sample Multiplier: 1

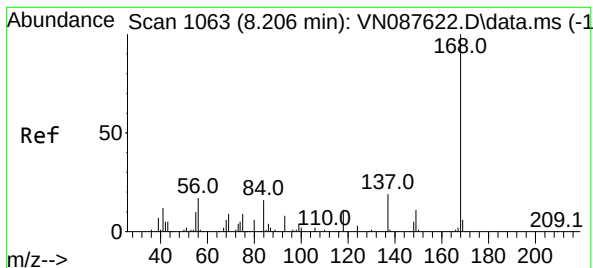
Instrument :
 MSVOA_N
 ClientSampleId :
 LAW-25-0137

Quant Time: Sep 16 01:44:20 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	240549	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	546669	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	530722	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	260673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	251559	51.041	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.080%			
35) Dibromofluoromethane	8.153	113	197572	50.057	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.120%			
50) Toluene-d8	10.547	98	698690	47.296	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.600%			
62) 4-Bromofluorobenzene	12.829	95	264505	50.347	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.700%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.983	94	1227	0.584	ug/l #	18
10) Methyl Iodide	4.583	142	439	6.961	ug/l #	72
13) Acrolein	4.147	56	403	0.383	ug/l #	76
16) Acetone	4.436	43	3410	1.271	ug/l	96
20) Methylene Chloride	5.265	84	1268	Below Cal	#	63
31) Cyclohexane	8.212	56	6468	1.043	ug/l #	1
36) 1,1-Dichloropropene	8.206	75	23816	3.933	ug/l #	52
38) Carbon Tetrachloride	8.200	117	25993	4.348	ug/l #	17
51) 4-Methyl-2-Pentanone	10.547	43	3564	0.457	ug/l #	1
74) N-amyl acetate	12.600	43	15318	1.919	ug/l #	68
76) 1,2,3-Trichloropropane	12.829	75	140927	23.054	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	140927	61.033	ug/l #	1

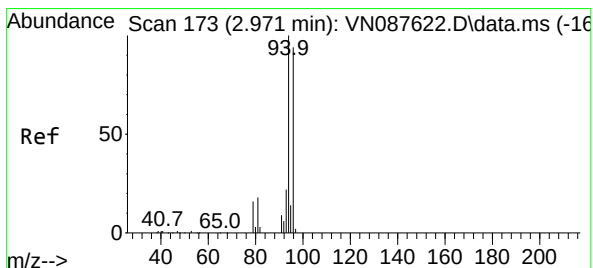
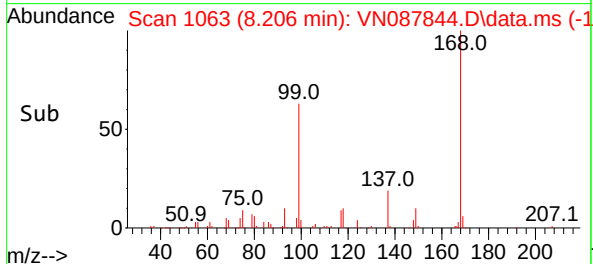
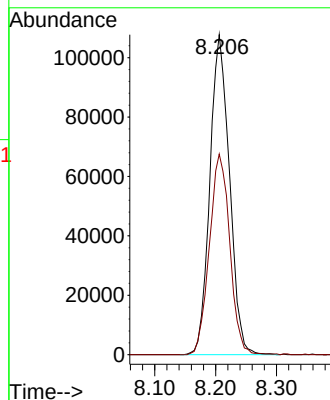
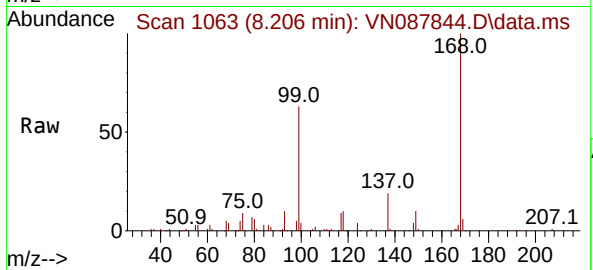
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087844.D
Acq: 15 Sep 2025 17:27

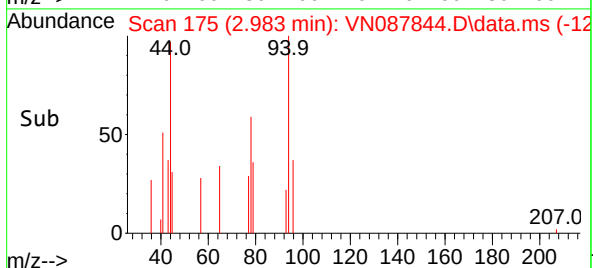
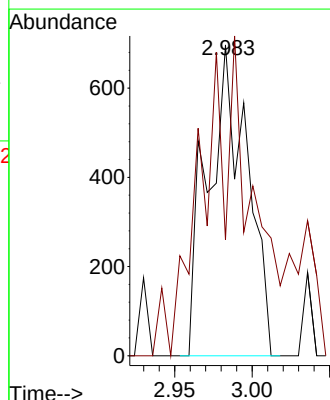
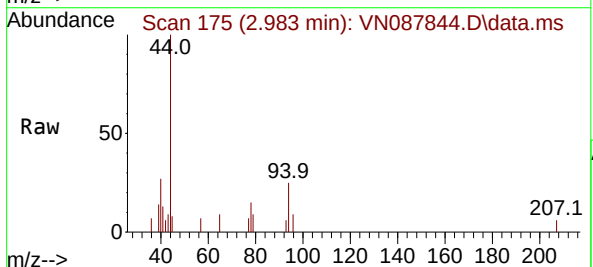
Instrument :
MSVOA_N
ClientSampleId :
LAW-25-0137

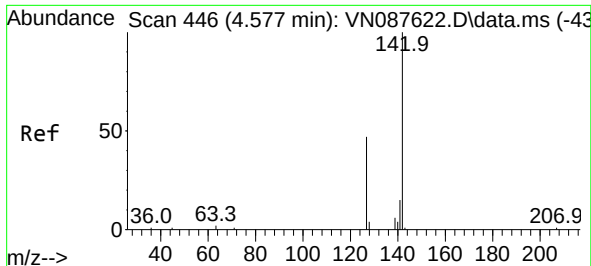
Tgt Ion:168 Resp: 240549
Ion Ratio Lower Upper
168 100
99 62.7 57.2 85.8



#5
Bromomethane
Concen: 0.584 ug/l
RT: 2.983 min Scan# 175
Delta R.T. 0.012 min
Lab File: VN087844.D
Acq: 15 Sep 2025 17:27

Tgt Ion: 94 Resp: 1227
Ion Ratio Lower Upper
94 100
96 14.8 75.4 113.2#

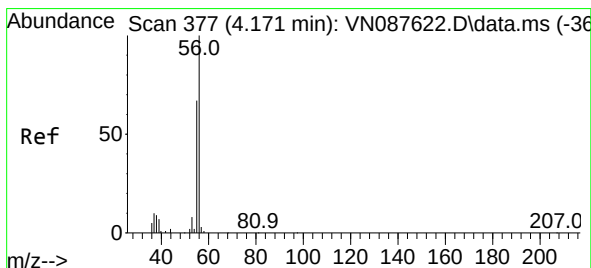
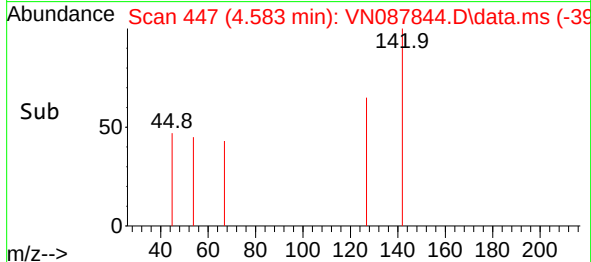
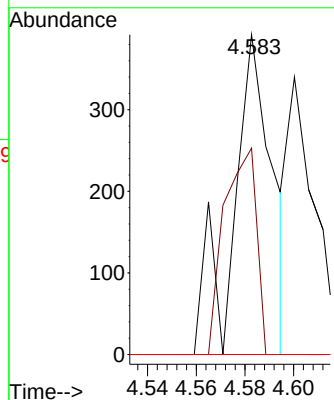
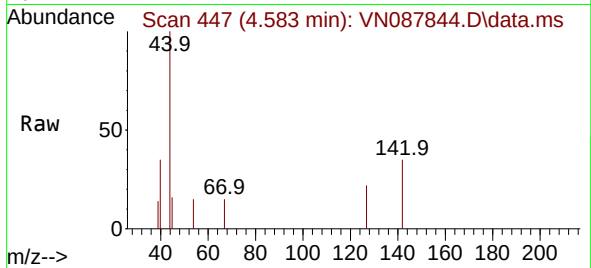




#10
Methyl Iodide
Concen: 6.961 ug/l
RT: 4.583 min Scan# 446
Delta R.T. 0.006 min
Lab File: VN087844.D
Acq: 15 Sep 2025 17:27

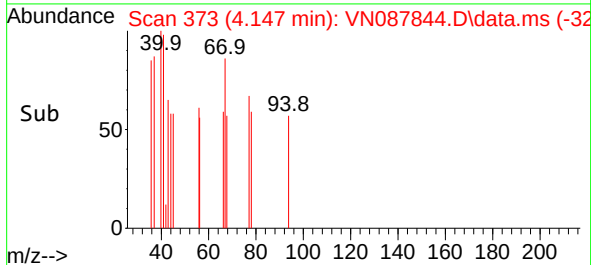
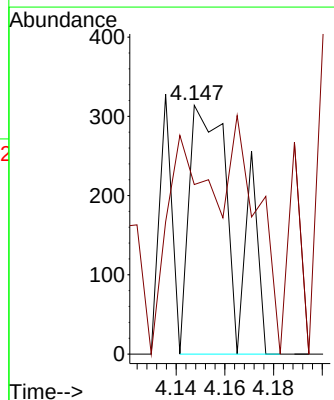
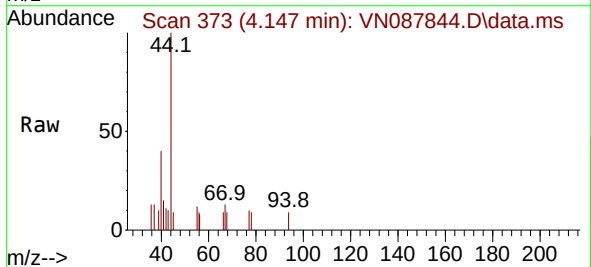
Instrument :
MSVOA_N
ClientSampleId :
LAW-25-0137

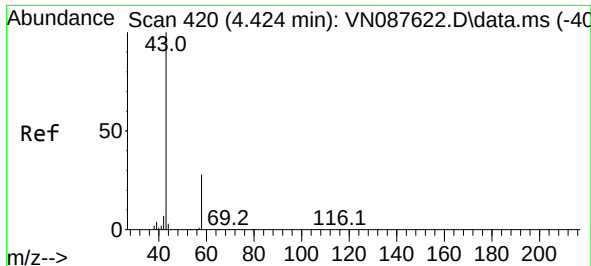
Tgt Ion:142 Resp: 439
Ion Ratio Lower Upper
142 100
127 64.5 38.0 57.0#
141 0.0 12.0 18.0#



#13
Acrolein
Concen: 0.383 ug/l
RT: 4.147 min Scan# 373
Delta R.T. -0.024 min
Lab File: VN087844.D
Acq: 15 Sep 2025 17:27

Tgt Ion: 56 Resp: 403
Ion Ratio Lower Upper
56 100
55 91.8 57.3 85.9#

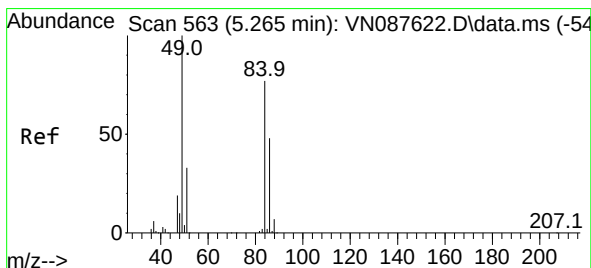
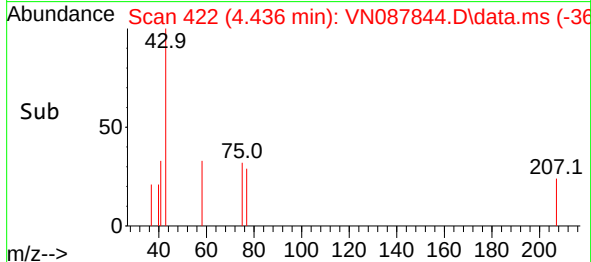
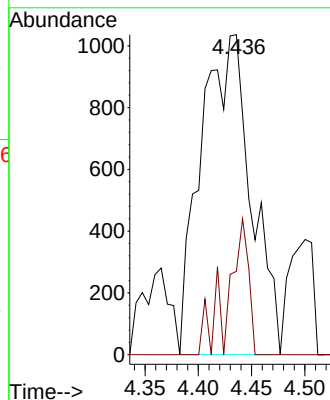
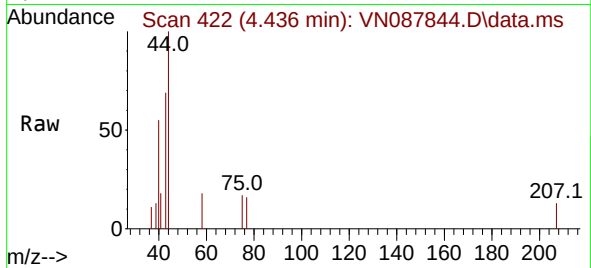




#16
Acetone
Concen: 1.271 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN087844.D
Acq: 15 Sep 2025 17:27

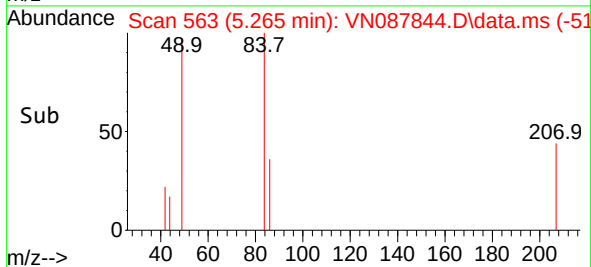
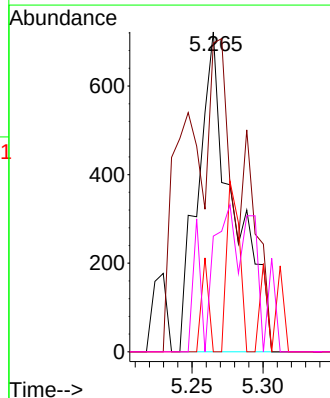
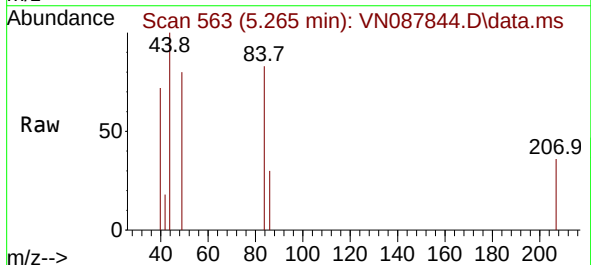
Instrument :
MSVOA_N
ClientSampleId :
LAW-25-0137

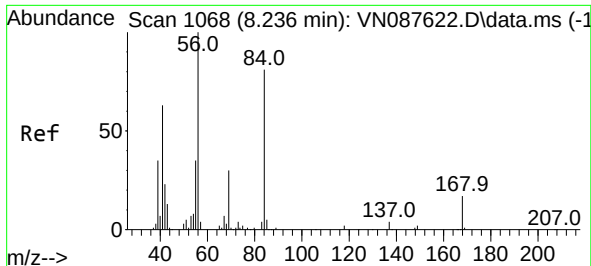
Tgt Ion: 43 Resp: 3410
Ion Ratio Lower Upper
43 100
58 26.1 22.6 33.8



#20
Methylene Chloride
Concen: Below Cal
RT: 5.265 min Scan# 563
Delta R.T. -0.000 min
Lab File: VN087844.D
Acq: 15 Sep 2025 17:27

Tgt Ion: 84 Resp: 1268
Ion Ratio Lower Upper
84 100
49 96.5 103.4 155.2#
51 0.0 33.8 50.8#
86 36.1 49.6 74.4#

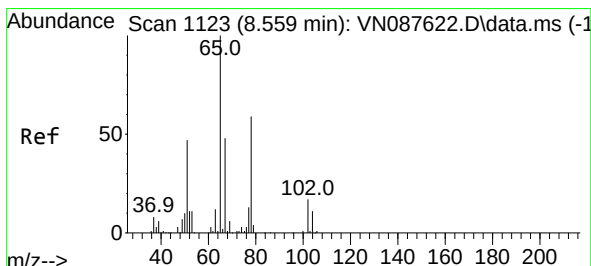
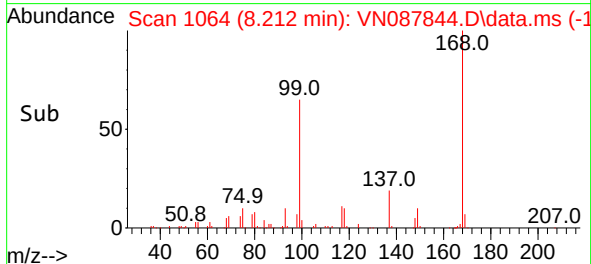
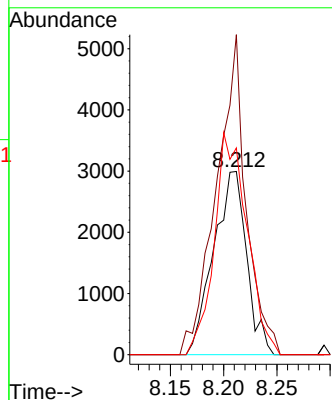
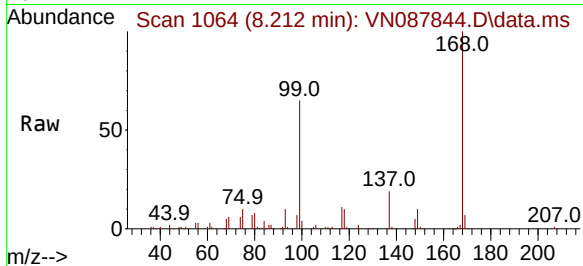




#31
Cyclohexane
Concen: 1.043 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.024 min
Lab File: VN087844.D
Acq: 15 Sep 2025 17:27

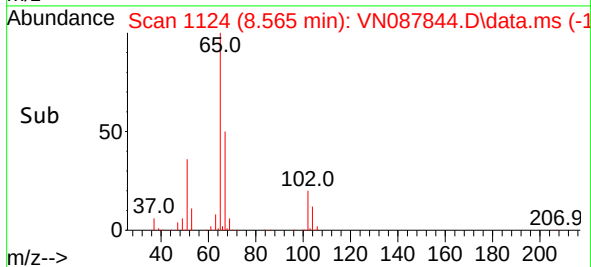
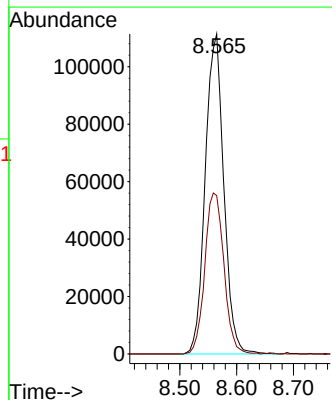
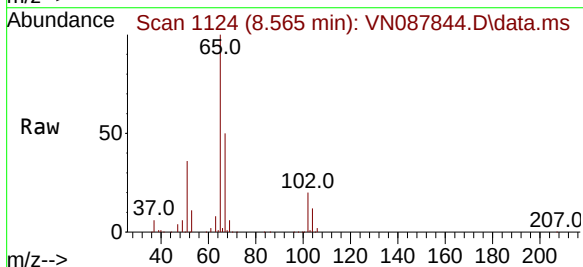
Instrument :
MSVOA_N
ClientSampleId :
LAW-25-0137

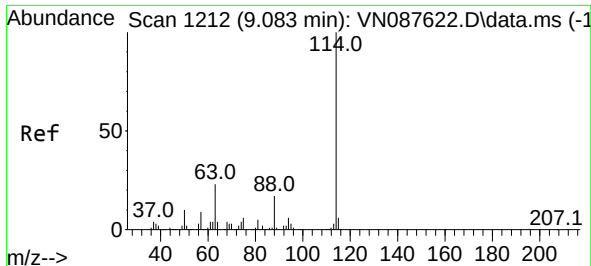
Tgt Ion: 56 Resp: 6468
Ion Ratio Lower Upper
56 100
69 174.6 23.7 35.5#
84 122.2 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 51.041 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087844.D
Acq: 15 Sep 2025 17:27

Tgt Ion: 65 Resp: 251559
Ion Ratio Lower Upper
65 100
67 51.9 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: VN087844.D

Acq: 15 Sep 2025 17:27

Instrument :

MSVOA_N

ClientSampleId :

LAW-25-0137

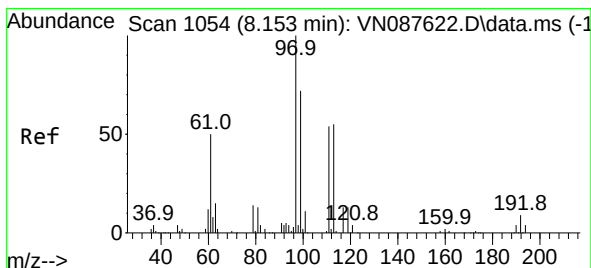
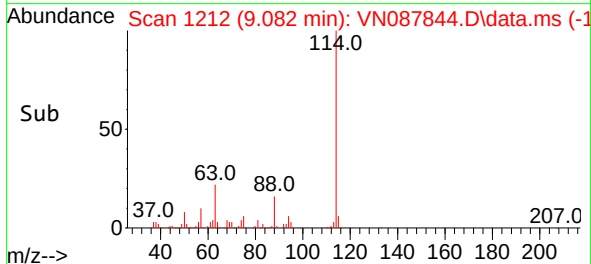
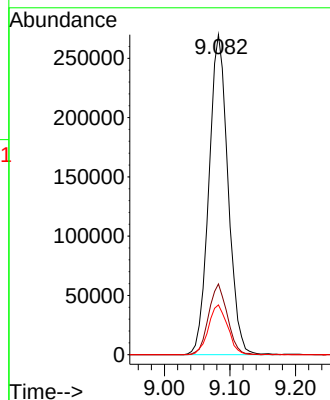
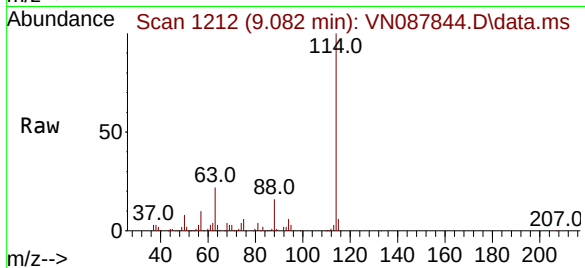
Tgt Ion:114 Resp: 546669

Ion Ratio Lower Upper

114 100

63 22.1 0.0 45.2

88 15.5 0.0 33.4



#35

Dibromofluoromethane

Concen: 50.057 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VN087844.D

Acq: 15 Sep 2025 17:27

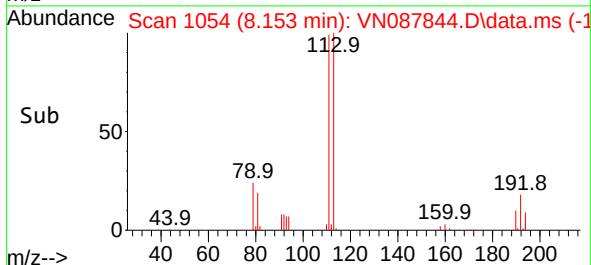
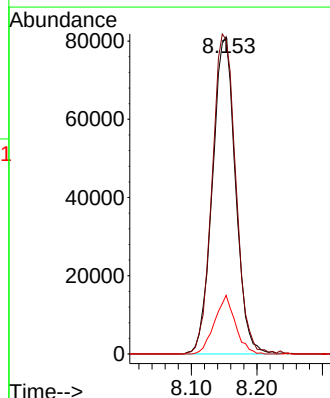
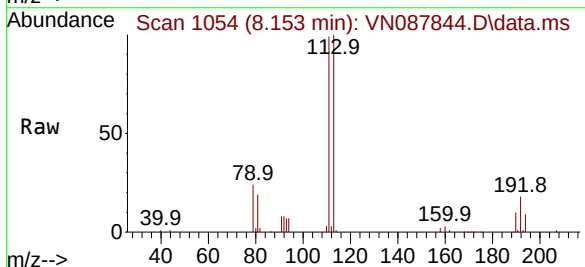
Tgt Ion:113 Resp: 197572

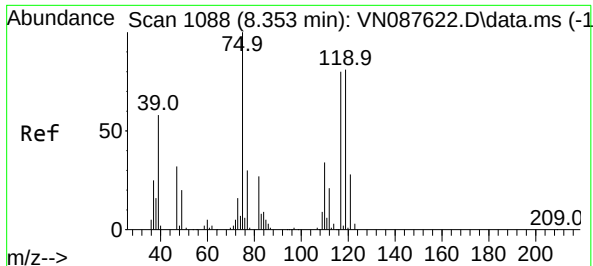
Ion Ratio Lower Upper

113 100

111 103.2 82.8 124.2

192 16.6 12.8 19.2





#36

1,1-Dichloropropene

Concen: 3.933 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN087844.D

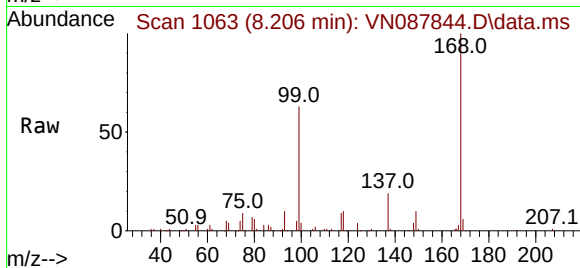
Acq: 15 Sep 2025 17:27

Instrument :

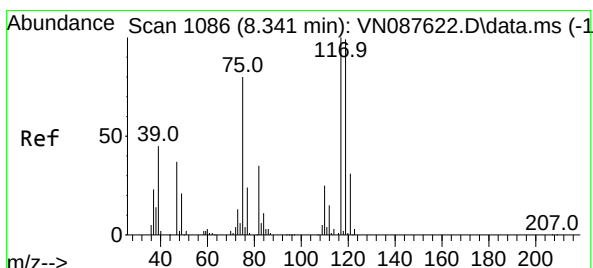
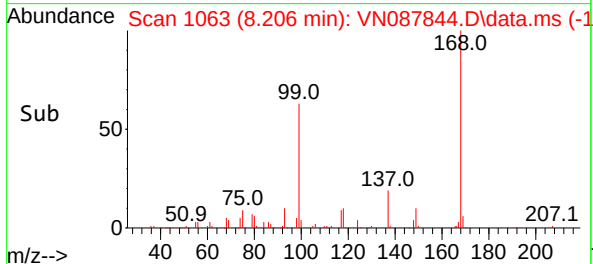
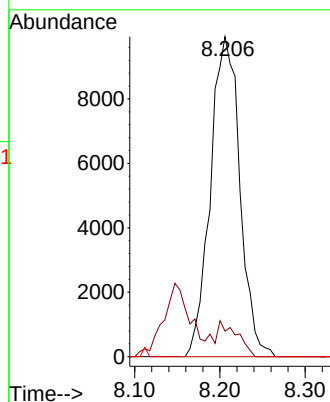
MSVOA_N

ClientSampleId :

LAW-25-0137



Tgt Ion:	75	Resp:	23816
Ion Ratio	Lower	Upper	
75	100		
110	8.8	15.9	47.6#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 4.348 ug/l

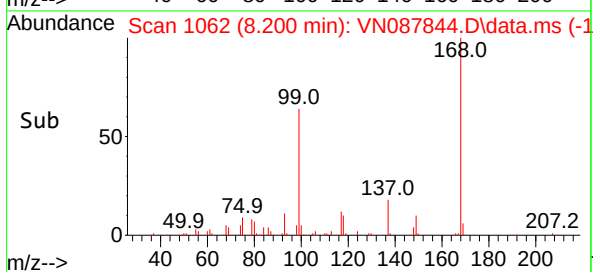
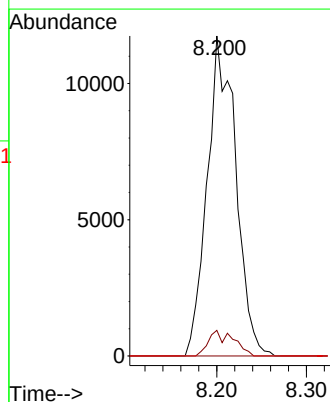
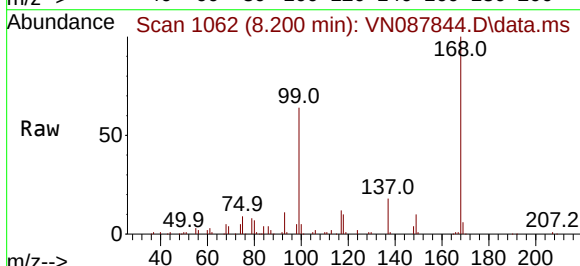
RT: 8.200 min Scan# 1062

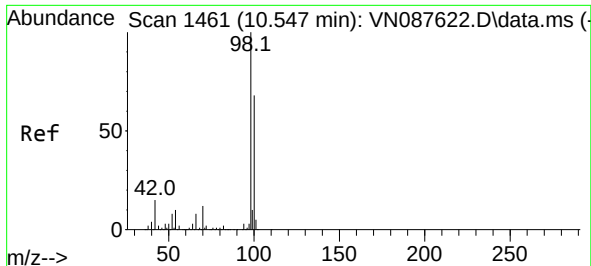
Delta R.T. -0.141 min

Lab File: VN087844.D

Acq: 15 Sep 2025 17:27

Tgt Ion:	117	Resp:	25993
Ion Ratio	Lower	Upper	
117	100		
119	8.0	79.0	118.6#
121	0.0	25.0	37.6#

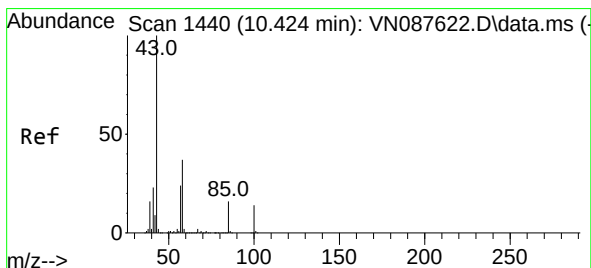
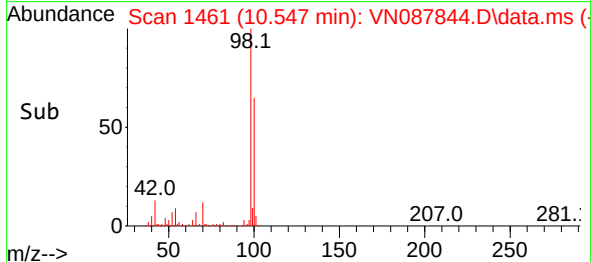
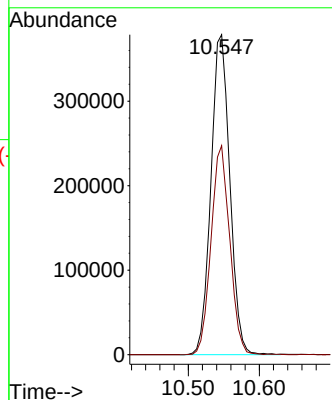
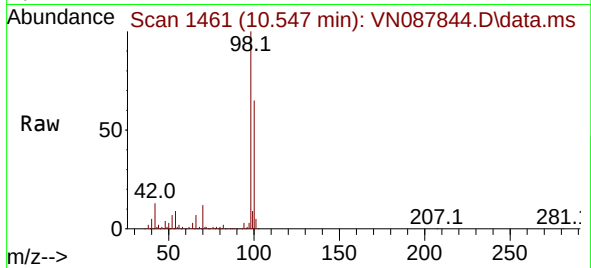




#50
Toluene-d8
Concen: 47.296 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087844.D
Acq: 15 Sep 2025 17:27

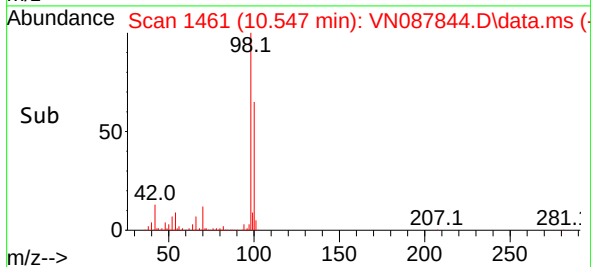
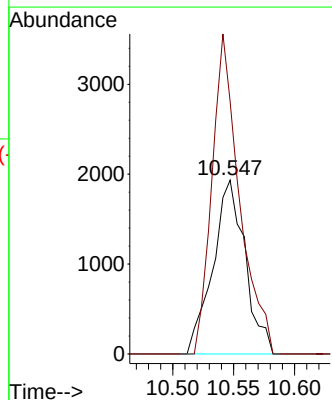
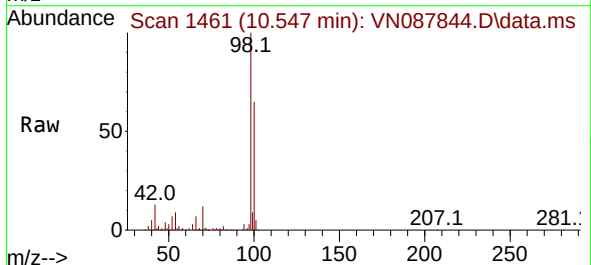
Instrument :
MSVOA_N
ClientSampleId :
LAW-25-0137

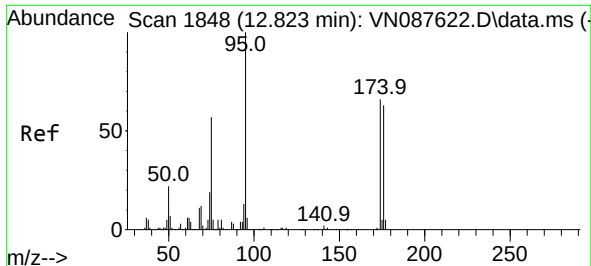
Tgt Ion: 98 Resp: 698690
Ion Ratio Lower Upper
98 100
100 64.6 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 0.457 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.123 min
Lab File: VN087844.D
Acq: 15 Sep 2025 17:27

Tgt Ion: 43 Resp: 3564
Ion Ratio Lower Upper
43 100
58 157.2 29.6 44.4#

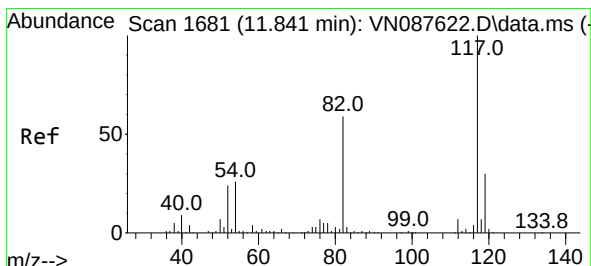
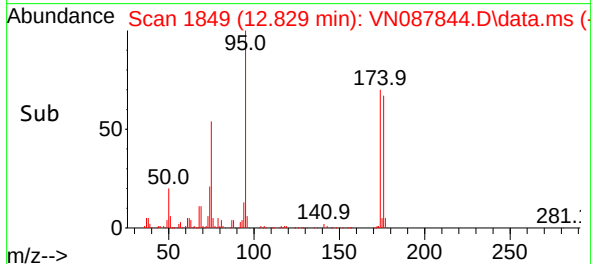
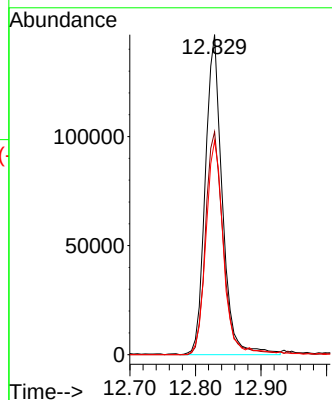
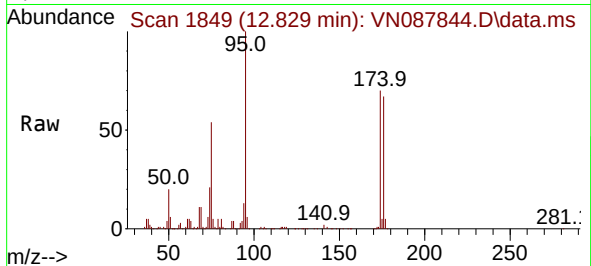




#62
4-Bromofluorobenzene
Concen: 50.347 ug/l
RT: 12.829 min Scan# 1848
Delta R.T. 0.006 min
Lab File: VN087844.D
Acq: 15 Sep 2025 17:27

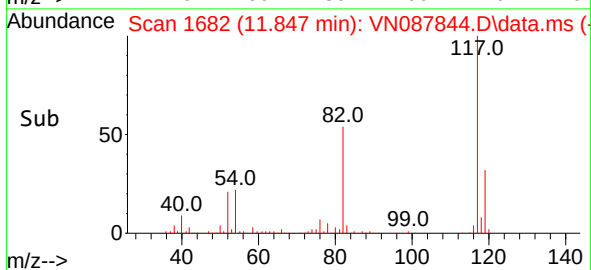
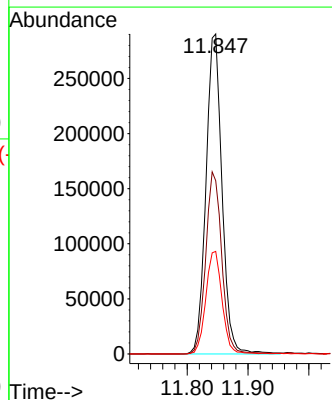
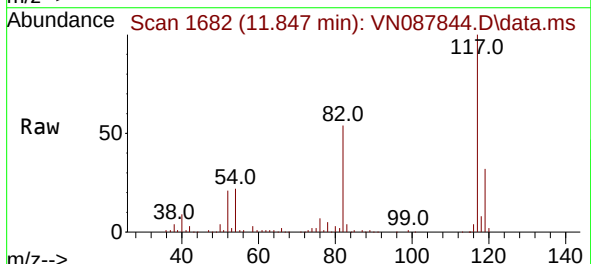
Instrument :
MSVOA_N
ClientSampleId :
LAW-25-0137

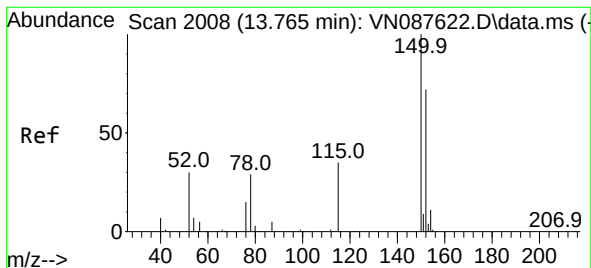
Tgt Ion: 95 Resp: 264505
Ion Ratio Lower Upper
95 100
174 72.3 0.0 138.4
176 69.9 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087844.D
Acq: 15 Sep 2025 17:27

Tgt Ion: 117 Resp: 530722
Ion Ratio Lower Upper
117 100
82 54.2 47.4 71.2
119 32.0 24.3 36.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2008

Delta R.T. 0.006 min

Lab File: VN087844.D

Acq: 15 Sep 2025 17:27

Instrument :

MSVOA_N

ClientSampleId :

LAW-25-0137

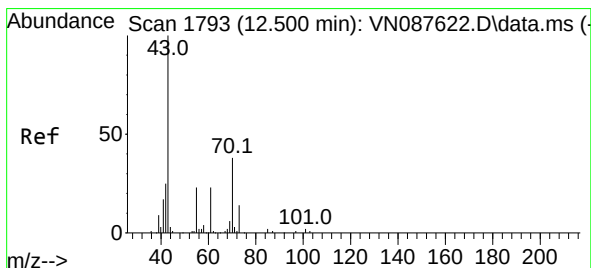
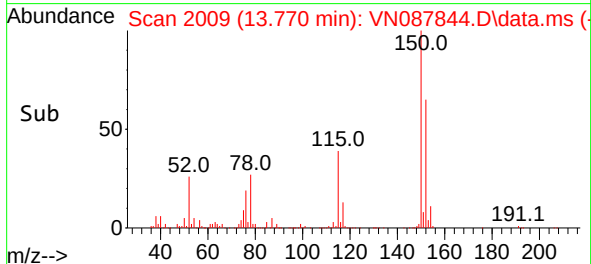
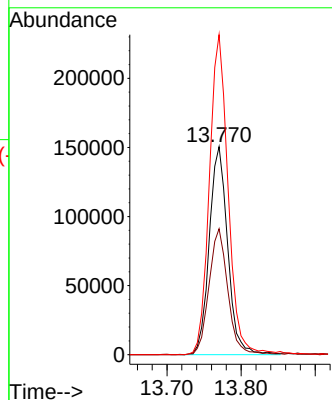
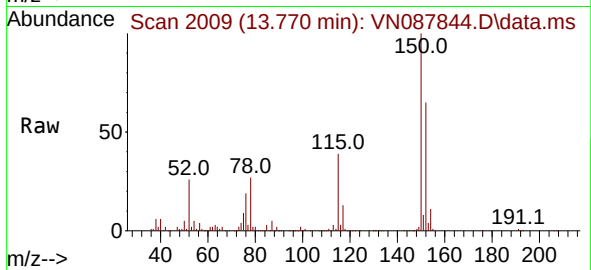
Tgt Ion:152 Resp: 260673

Ion Ratio Lower Upper

152 100

115 61.8 32.3 96.8

150 156.9 0.0 351.0



#74

N-ethyl acetate

Concen: 1.919 ug/l

RT: 12.600 min Scan# 1810

Delta R.T. 0.100 min

Lab File: VN087844.D

Acq: 15 Sep 2025 17:27

Tgt Ion: 43 Resp: 15318

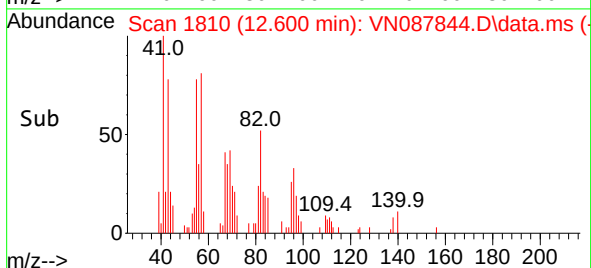
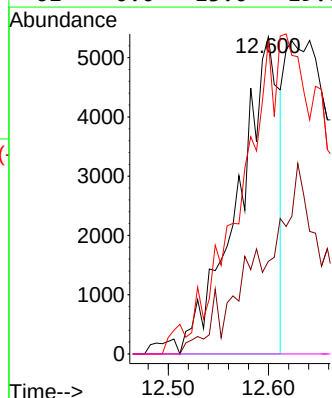
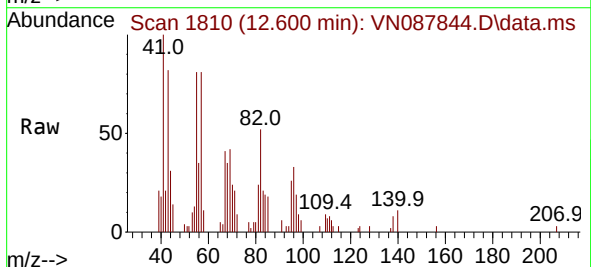
Ion Ratio Lower Upper

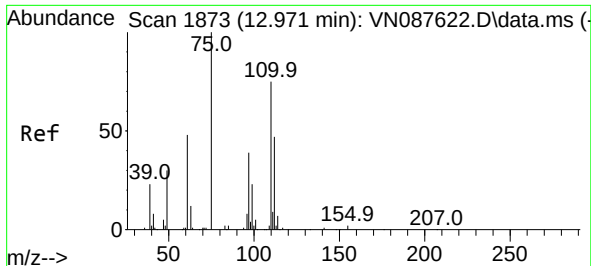
43 100

70 18.9 27.6 41.4#

55 0.0 13.0 19.6#

61 0.0 13.0 19.6#

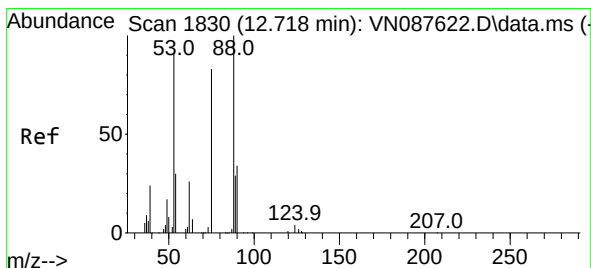
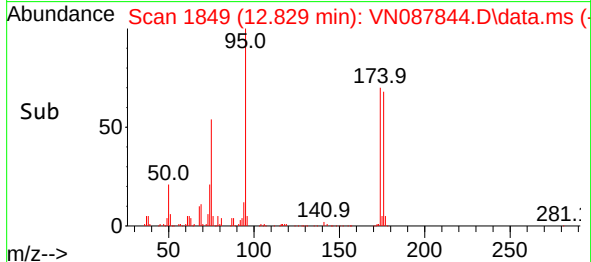
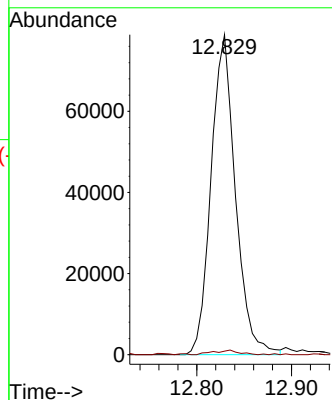
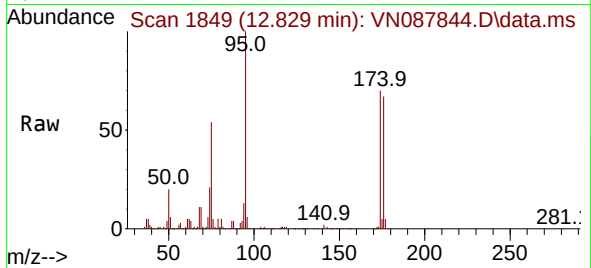




#76
1,2,3-Trichloropropane
Concen: 23.054 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087844.D
Acq: 15 Sep 2025 17:27

Instrument :
MSVOA_N
ClientSampleId :
LAW-25-0137

Tgt Ion: 75 Resp: 140927
Ion Ratio Lower Upper
75 100
77 1.5 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.033 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087844.D
Acq: 15 Sep 2025 17:27

Tgt Ion: 75 Resp: 140927
Ion Ratio Lower Upper
75 100
53 0.1 101.8 152.6#
89 0.1 35.6 53.4#

