

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
 Data File : VN087384.D
 Acq On : 21 Jul 2025 16:46
 Operator : JC\MD
 Sample : PB168921TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB168921TB

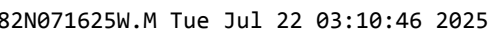
Quant Time: Jul 22 03:10:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

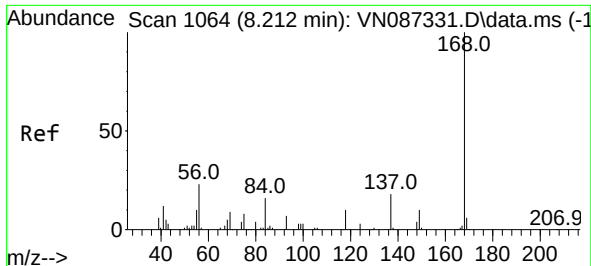
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.206	168	135663	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	283571	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	285891	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	127702	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	140044	60.838	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 121.680%	
35) Dibromofluoromethane	8.153	113	105511	53.940	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.880%	
50) Toluene-d8	10.547	98	380908	54.591	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.180%	
62) 4-Bromofluorobenzene	12.829	95	129887	50.385	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 100.780%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.977	74	1620	1.568	ug/l	82
11) Tert butyl alcohol	5.530	59	669	1.531	ug/l #	72
16) Acetone	4.430	43	48410	44.853	ug/l	96
18) Methyl Acetate	5.018	43	26003	9.589	ug/l	99
20) Methylene Chloride	5.253	84	15851	8.152	ug/l #	76
25) 2-Butanone	7.477	43	9965	5.976	ug/l	98
29) Tetrahydrofuran	7.824	42	254	0.234	ug/l #	45
31) Cyclohexane	8.206	56	3379	1.194	ug/l #	57
36) 1,1-Dichloropropene	8.206	75	12097	4.681	ug/l #	47
37) Ethyl Acetate	7.553	43	16789	4.498	ug/l #	95
38) Carbon Tetrachloride	8.206	117	13643	4.792	ug/l #	14
43) Isopropyl Acetate	8.671	43	11628	2.007	ug/l #	82
45) 1,2-Dichloropropane	9.735	63	1329	0.626	ug/l #	41
48) Methyl methacrylate	9.723	41	101374	38.865	ug/l #	44
51) 4-Methyl-2-Pentanone	10.459	43	4508	1.230	ug/l #	37
53) t-1,3-Dichloropropene	10.712	75	681	0.210	ug/l #	45
54) cis-1,3-Dichloropropene	10.341	75	47234	14.117	ug/l #	64
56) Ethyl methacrylate	10.976	69	1212	0.993	ug/l #	1
57) 1,3-Dichloropropane	11.188	76	3425	0.964	ug/l #	42
59) 2-Hexanone	11.188	43	58848	24.205	ug/l #	50
76) 1,2,3-Trichloropropane	12.829	75	71940	25.122	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	71940	68.738	ug/l #	8

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

Quant Time: Jul 22 03:10:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

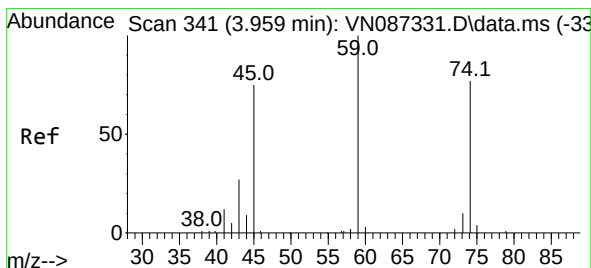
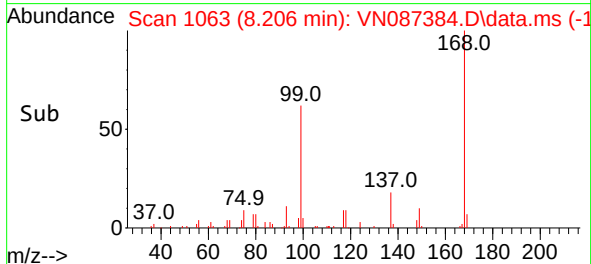
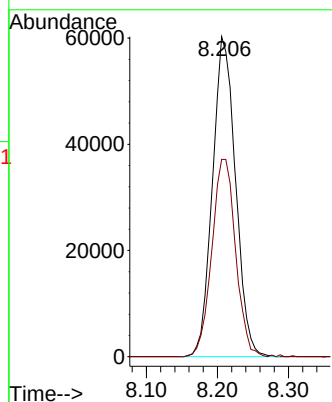
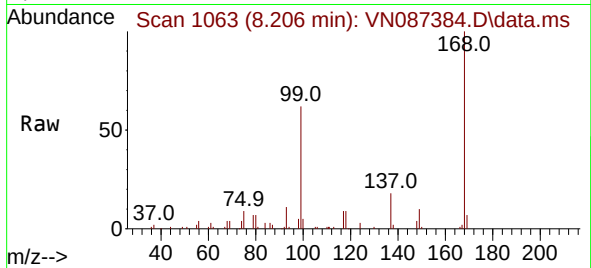




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN087384.D
Acq: 21 Jul 2025 16:46

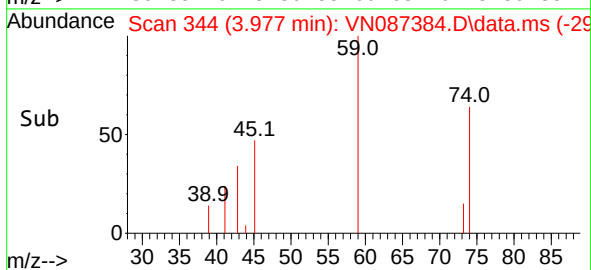
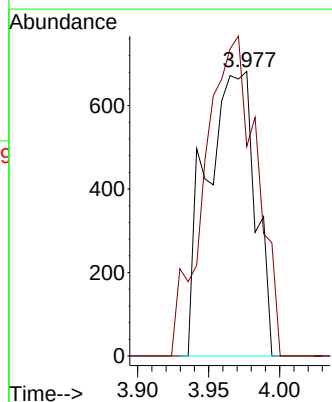
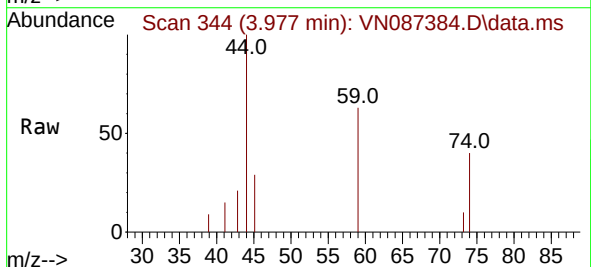
Instrument :
MSVOA_N
ClientSampleId :
PB168921TB

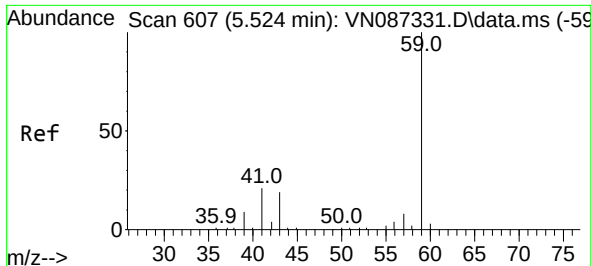
Tgt Ion:168 Resp: 135663
Ion Ratio Lower Upper
168 100
99 61.6 47.9 71.9



#8
Diethyl Ether
Concen: 1.568 ug/l
RT: 3.977 min Scan# 344
Delta R.T. 0.018 min
Lab File: VN087384.D
Acq: 21 Jul 2025 16:46

Tgt Ion: 74 Resp: 1620
Ion Ratio Lower Upper
74 100
45 119.9 50.8 152.5

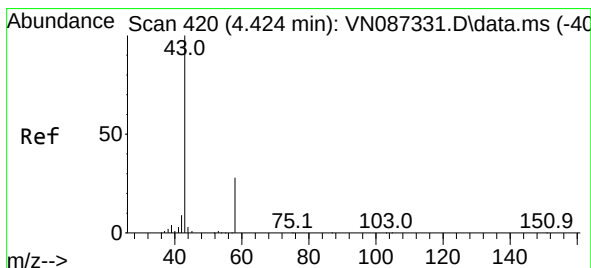
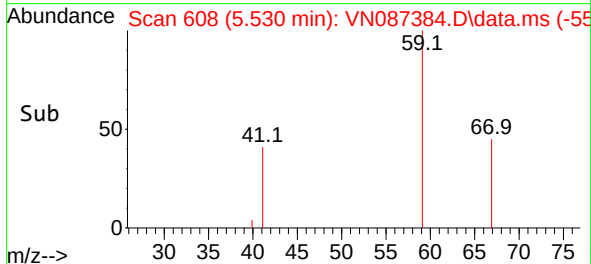
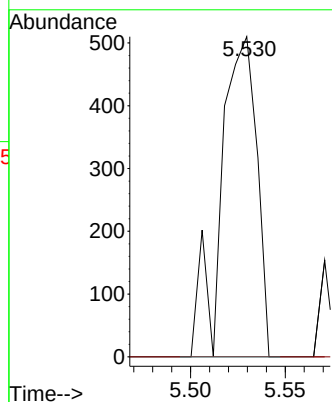
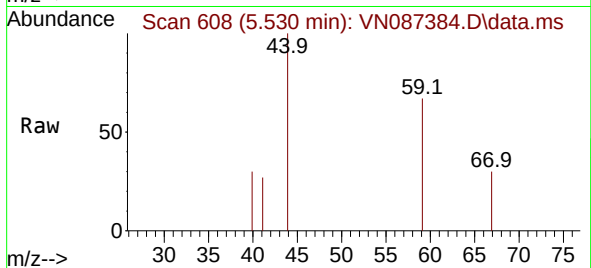




#11
Tert butyl alcohol
Concen: 1.531 ug/l
RT: 5.530 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN087384.D
Acq: 21 Jul 2025 16:46

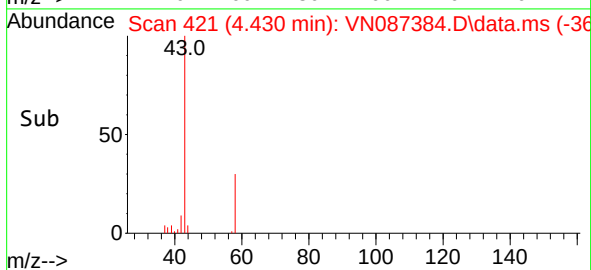
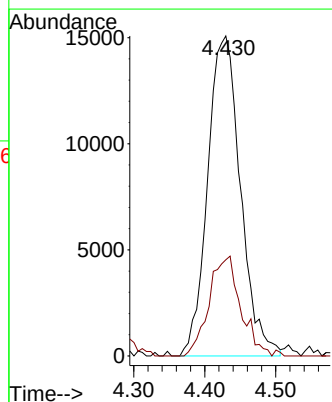
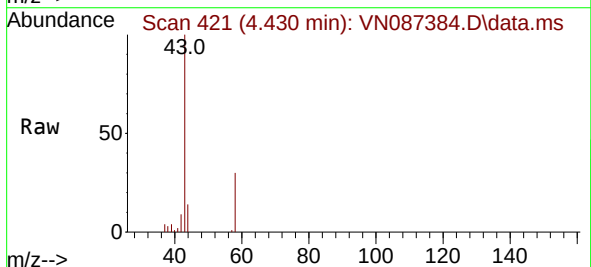
Instrument :
MSVOA_N
ClientSampleId :
PB168921TB

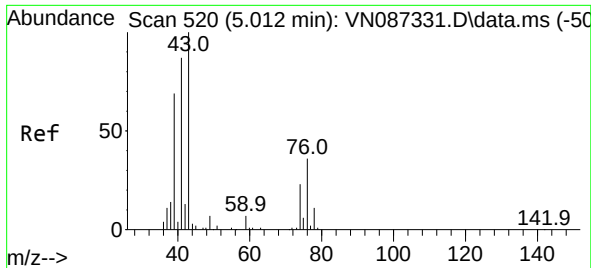
Tgt Ion: 59 Resp: 669
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 44.853 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN087384.D
Acq: 21 Jul 2025 16:46

Tgt Ion: 43 Resp: 48410
Ion Ratio Lower Upper
43 100
58 30.1 22.3 33.5

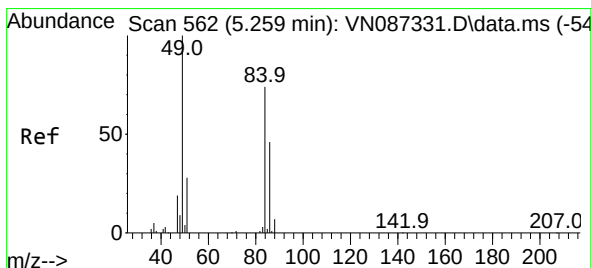
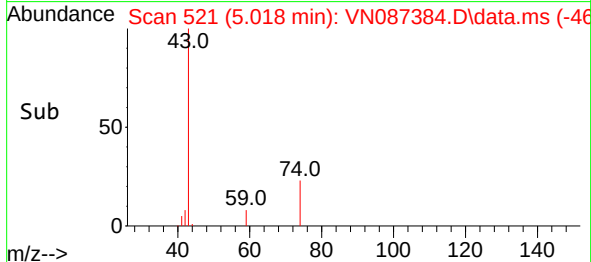
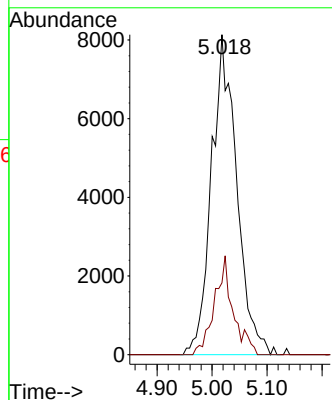
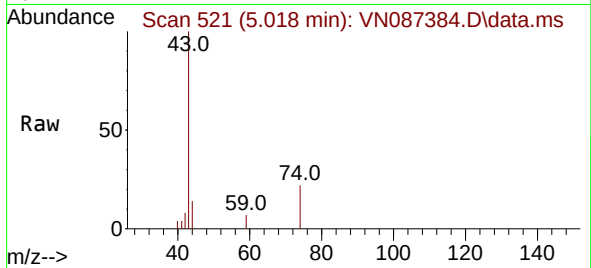




#18
Methyl Acetate
Concen: 9.589 ug/l
RT: 5.018 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087384.D
Acq: 21 Jul 2025 16:46

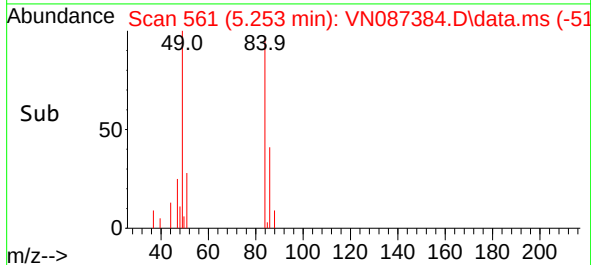
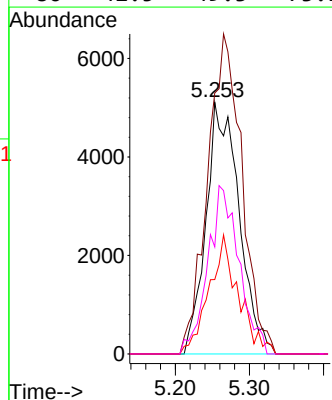
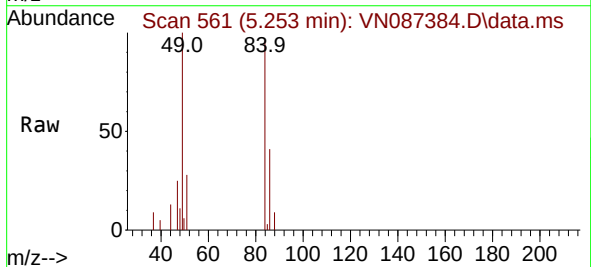
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MSVOA_N
ClientSampleId :
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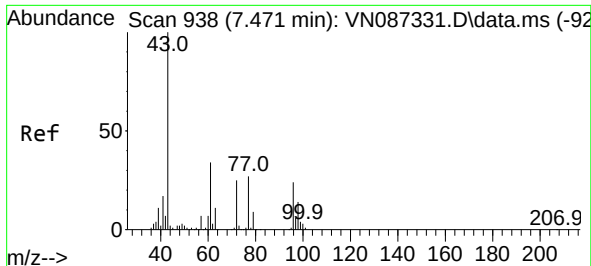
Tgt Ion: 43 Resp: 26003
Ion Ratio Lower Upper
43 100
74 22.7 17.8 26.6



#20
Methylene Chloride
Concen: 8.152 ug/l
RT: 5.253 min Scan# 561
Delta R.T. -0.006 min
Lab File: VN087384.D
Acq: 21 Jul 2025 16:46

Tgt Ion: 84 Resp: 15851
Ion Ratio Lower Upper
84 100
49 103.7 107.5 161.3#
51 29.5 30.2 45.2#
86 42.5 49.3 73.9#

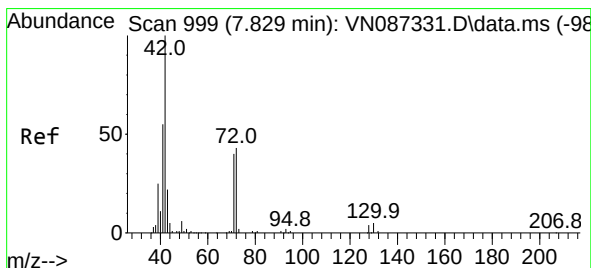
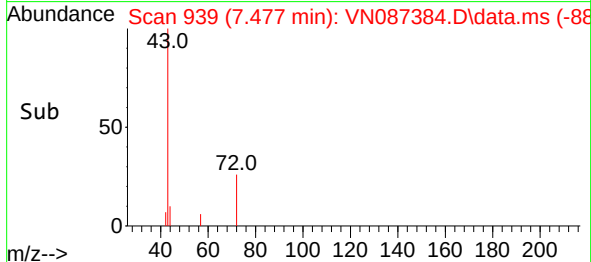
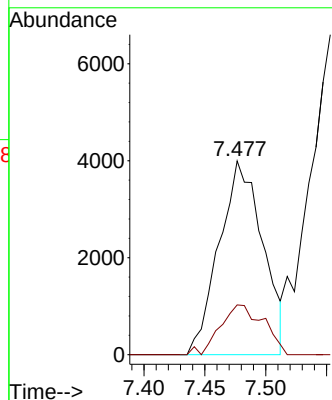
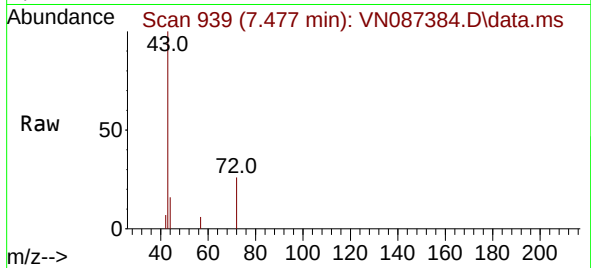




#25
2-Butanone
Concen: 5.976 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087384.D
Acq: 21 Jul 2025 16:46

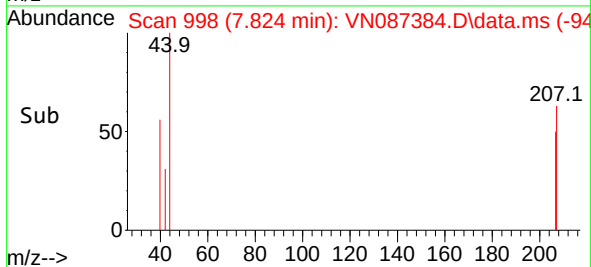
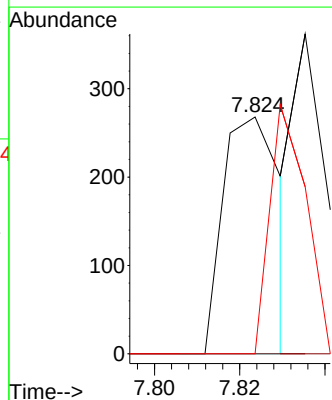
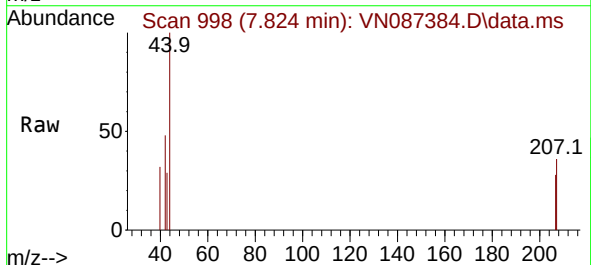
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ClientSampleId :
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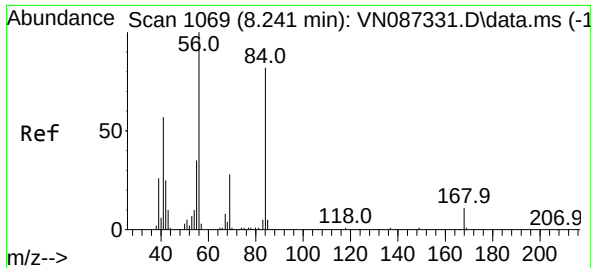
Tgt Ion: 43 Resp: 9965
Ion Ratio Lower Upper
43 100
72 25.7 19.6 29.4



#29
Tetrahydrofuran
Concen: 0.234 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.006 min
Lab File: VN087384.D
Acq: 21 Jul 2025 16:46

Tgt Ion: 42 Resp: 254
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.0#
71 65.4 31.2 46.8#

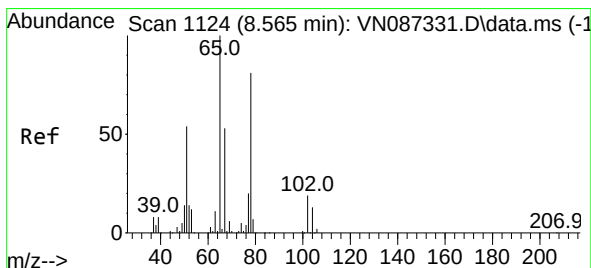
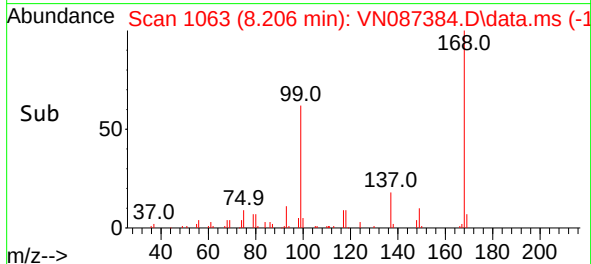
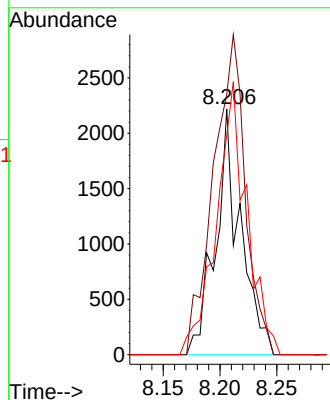
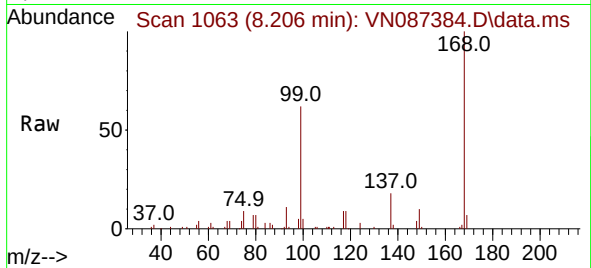




#31
Cyclohexane
Concen: 1.194 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.035 min
Lab File: VN087384.D
Acq: 21 Jul 2025 16:46

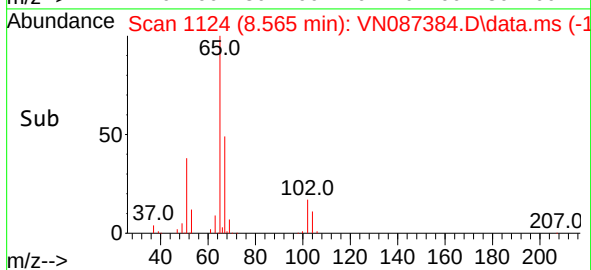
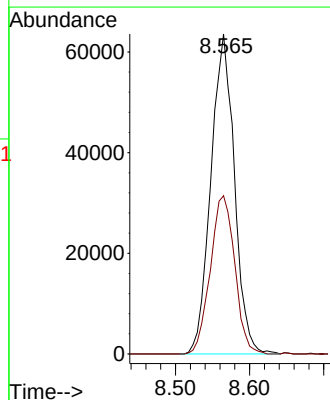
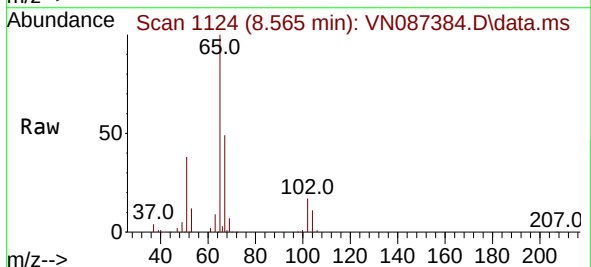
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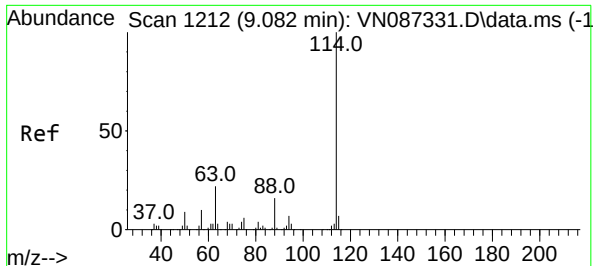
Tgt Ion: 56 Resp: 3379
Ion Ratio Lower Upper
56 100
69 105.9 22.7 34.1#
84 89.2 65.8 98.6



#33
1,2-Dichloroethane-d4
Concen: 60.838 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087384.D
Acq: 21 Jul 2025 16:46

Tgt Ion: 65 Resp: 140044
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087384.D

Acq: 21 Jul 2025 16:46

Instrument :

MSVOA_N

ClientSampleId :

PB168921TB

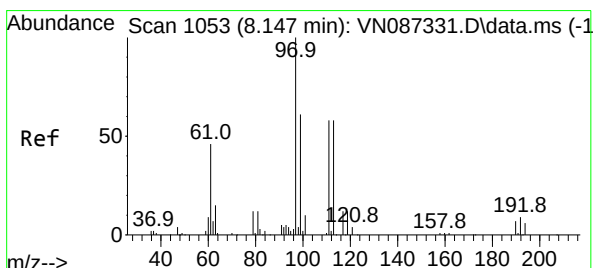
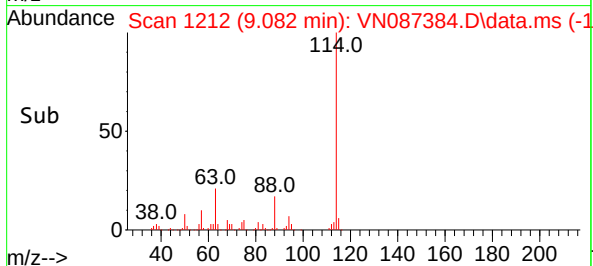
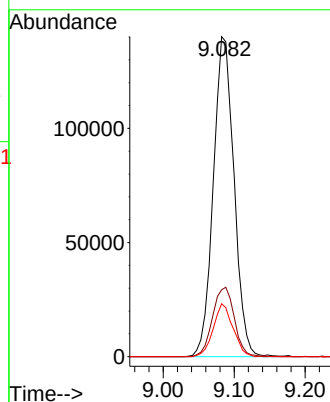
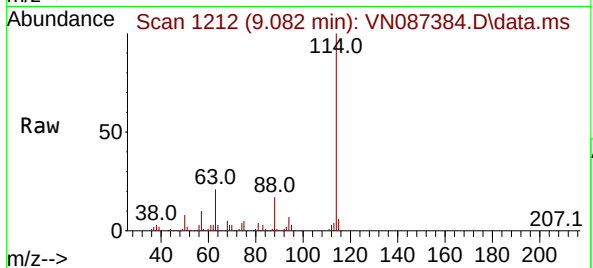
Tgt Ion:114 Resp: 283571

Ion Ratio Lower Upper

114 100

63 20.9 0.0 44.6

88 16.6 0.0 32.8



#35

Dibromofluoromethane

Concen: 53.940 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087384.D

Acq: 21 Jul 2025 16:46

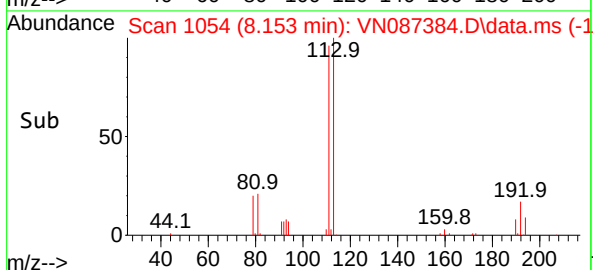
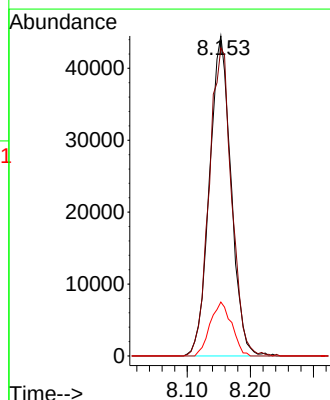
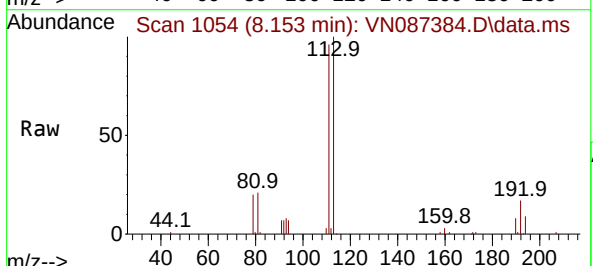
Tgt Ion:113 Resp: 105511

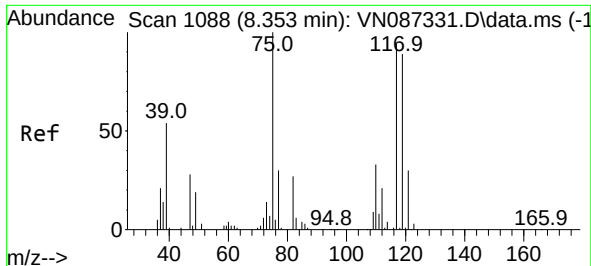
Ion Ratio Lower Upper

113 100

111 100.4 82.5 123.7

192 16.8 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.681 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN087384.D

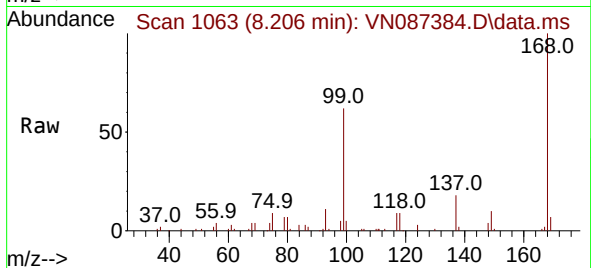
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Instrument :

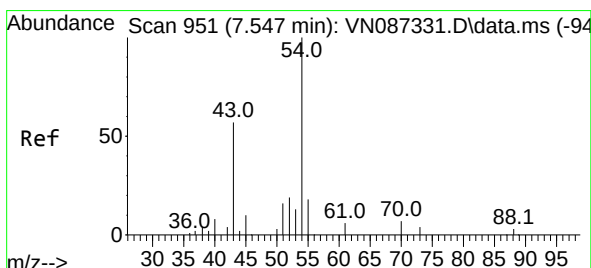
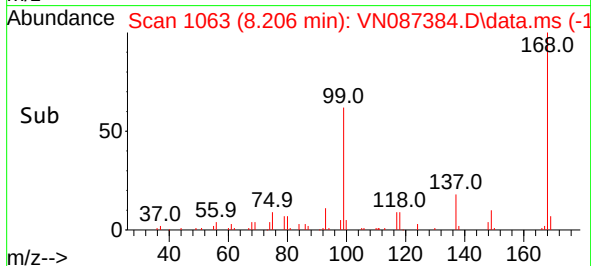
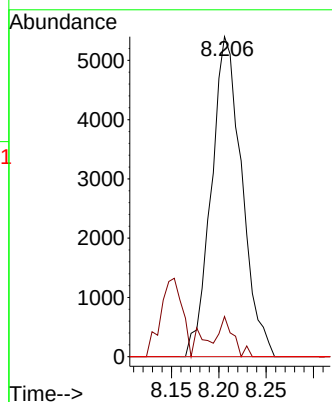
MSVOA_N

ClientSampleId :

PB168921TB



Tgt Ion:	75	Resp:	12097
Ion	Ratio	Lower	Upper
75	100		
110	5.8	16.7	50.1#
77	0.0	25.2	37.8#



#37

Ethyl Acetate

Concen: 4.498 ug/l

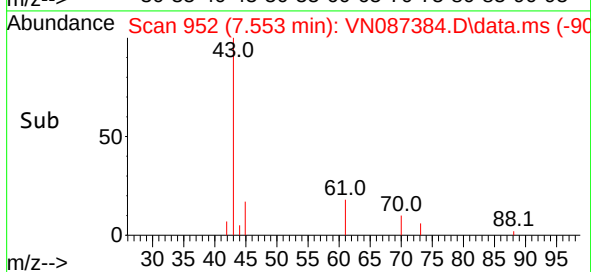
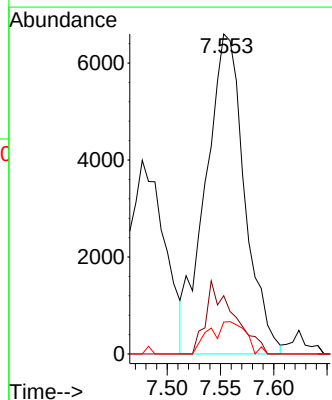
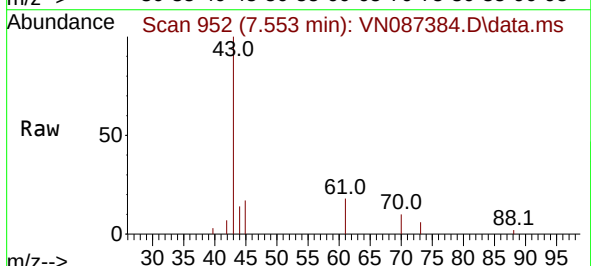
RT: 7.553 min Scan# 952

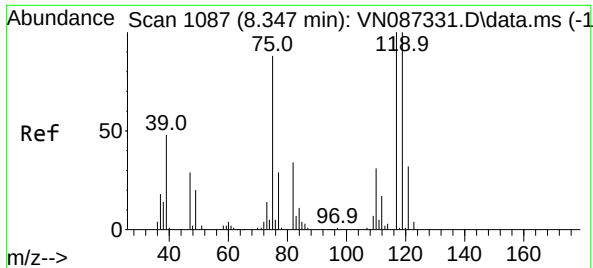
Delta R.T. 0.006 min

Lab File: VN087384.D

Acq: 21 Jul 2025 16:46

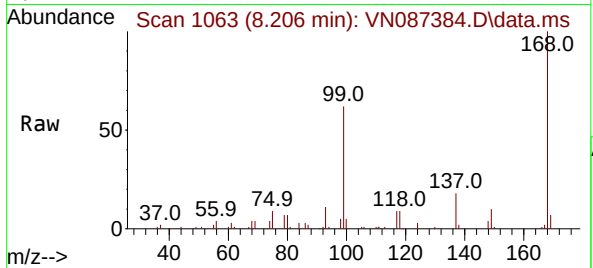
Tgt Ion:	43	Resp:	16789
Ion	Ratio	Lower	Upper
43	100		
61	16.6	10.9	16.3#
70	9.5	7.4	11.0



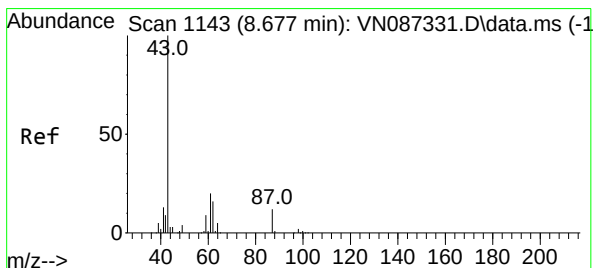
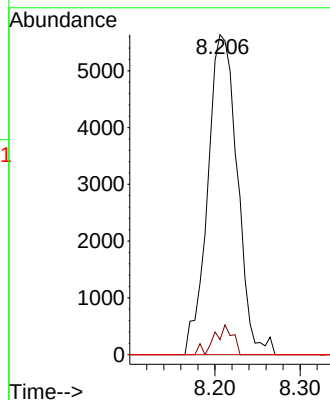
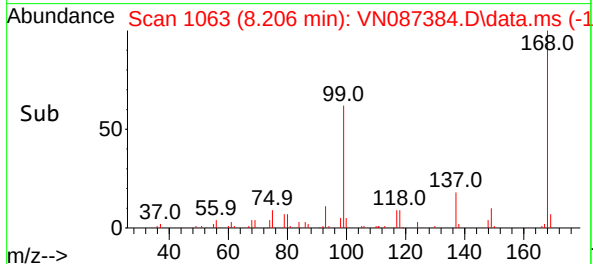


#38
Carbon Tetrachloride
Concen: 4.792 ug/l
RT: 8.206 min Scan# 110
Delta R.T. -0.141 min
Lab File: VN087384.D
Acq: 21 Jul 2025 16:46

Instrument :
MSVOA_N
ClientSampleId :
PB168921TB

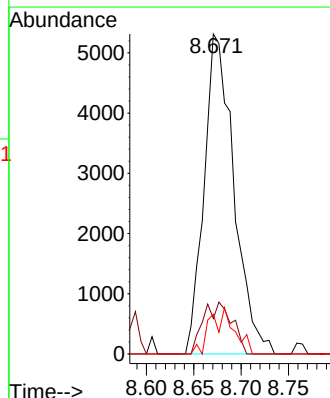
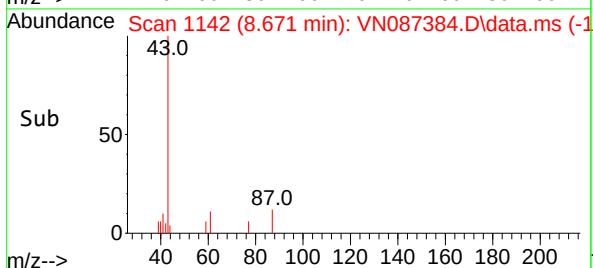
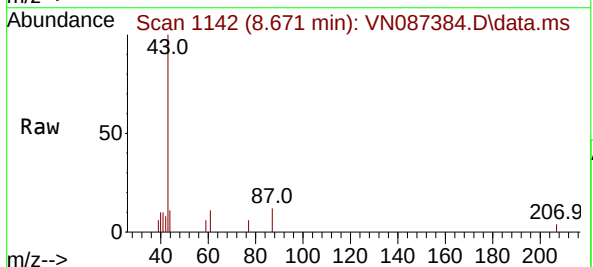


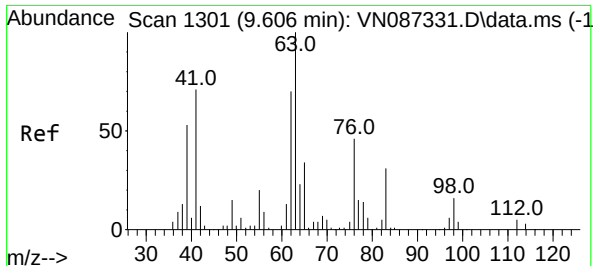
Tgt Ion:117 Resp: 13643
Ion Ratio Lower Upper
117 100
119 4.7 80.2 120.2#
121 0.0 25.4 38.2#



#43
Isopropyl Acetate
Concen: 2.007 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VN087384.D
Acq: 21 Jul 2025 16:46

Tgt Ion: 43 Resp: 11628
Ion Ratio Lower Upper
43 100
61 15.7 19.8 29.8#
87 5.3 9.8 14.6#





#45

1,2-Dichloropropane

Concen: 0.626 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.129 min

Lab File: VN087384.D

Acq: 21 Jul 2025 16:46

Instrument :

MSVOA_N

ClientSampleId :

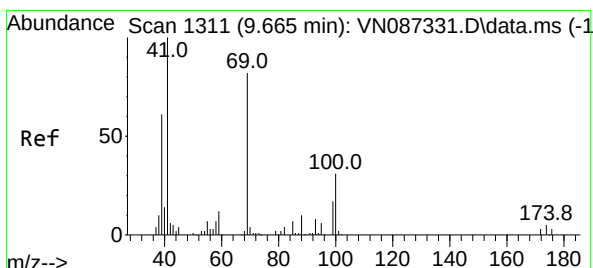
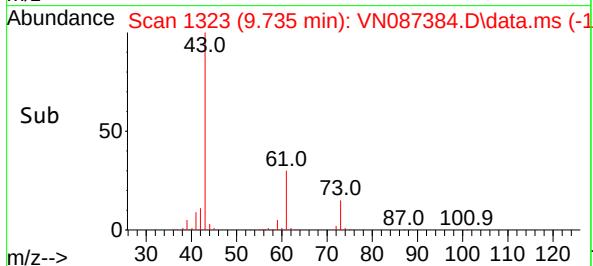
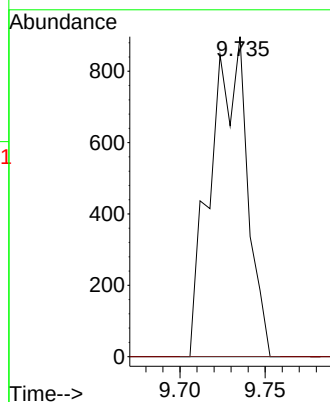
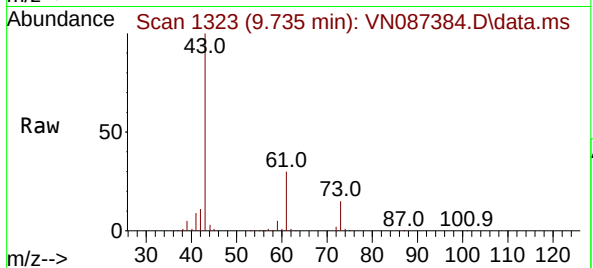
PB168921TB

Tgt Ion: 63 Resp: 1329

Ion Ratio Lower Upper

63 100

65 0.0 27.0 40.4#



#48

Methyl methacrylate

Concen: 38.865 ug/l

RT: 9.723 min Scan# 1321

Delta R.T. 0.059 min

Lab File: VN087384.D

Acq: 21 Jul 2025 16:46

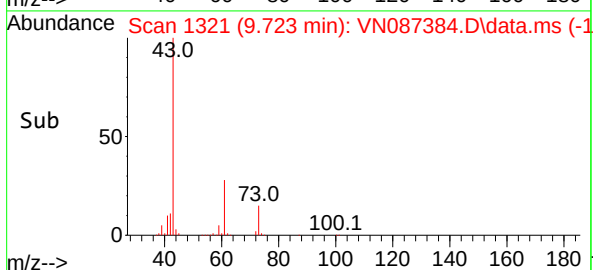
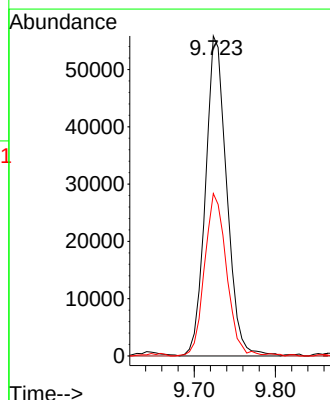
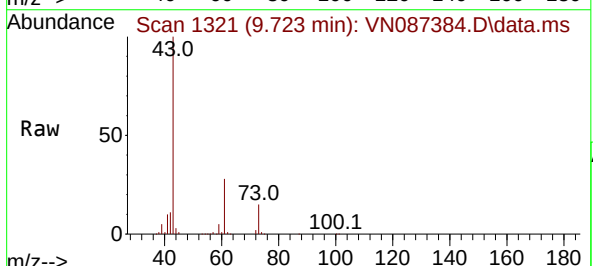
Tgt Ion: 41 Resp: 101374

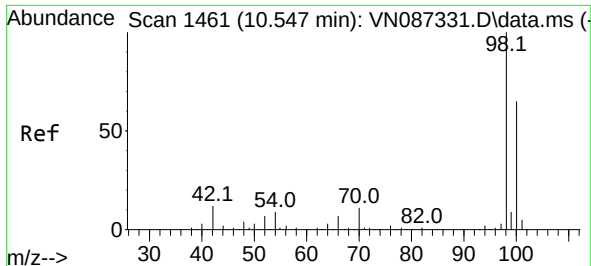
Ion Ratio Lower Upper

41 100

69 0.0 64.1 96.1#

39 52.5 45.5 68.3

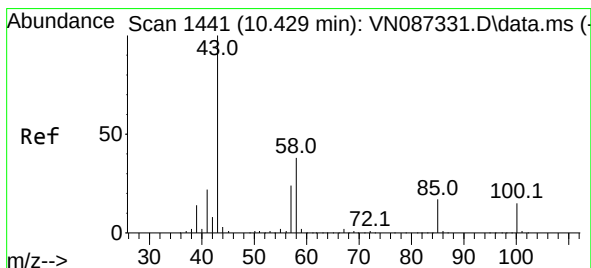
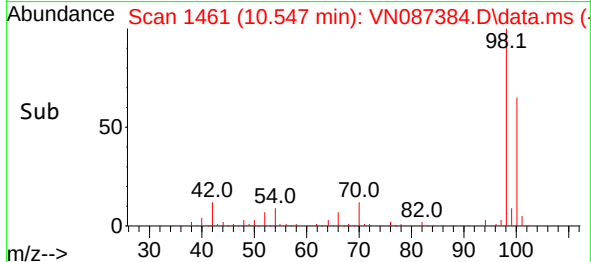
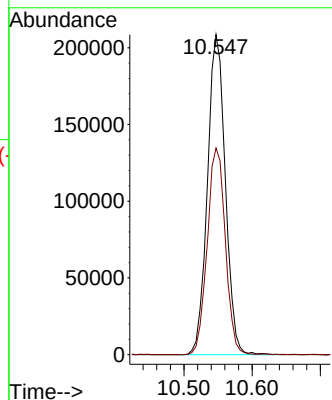
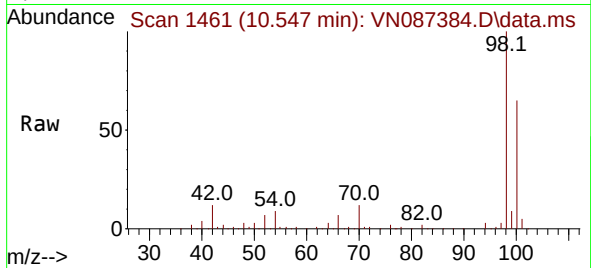




#50
Toluene-d8
Concen: 54.591 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087384.D
Acq: 21 Jul 2025 16:46

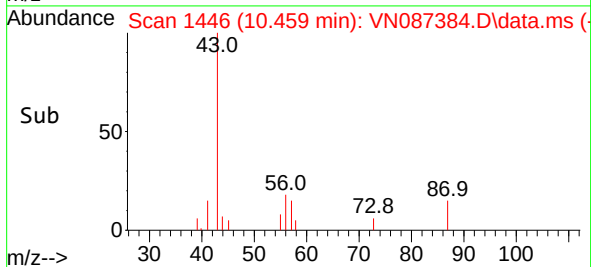
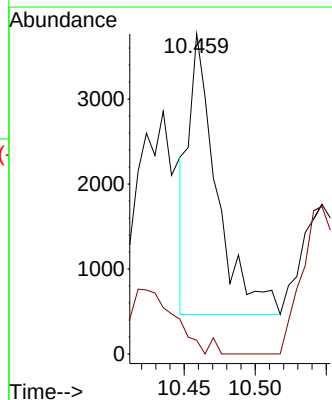
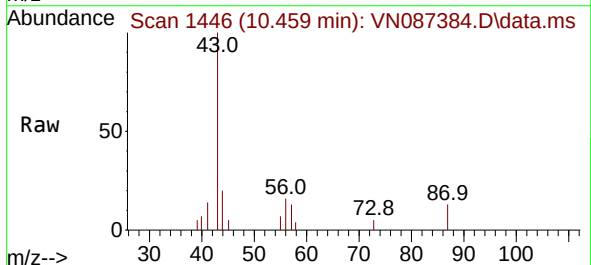
Instrument :
MSVOA_N
ClientSampleId :
PB168921TB

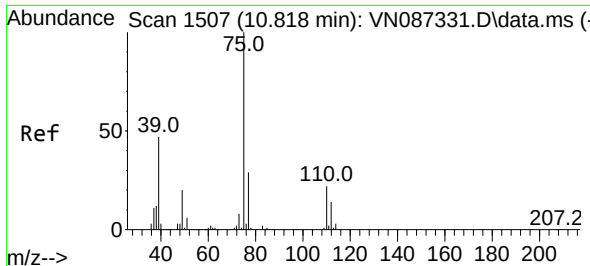
Tgt Ion: 98 Resp: 380908
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.230 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.030 min
Lab File: VN087384.D
Acq: 21 Jul 2025 16:46

Tgt Ion: 43 Resp: 4508
Ion Ratio Lower Upper
43 100
58 0.0 30.8 46.2#

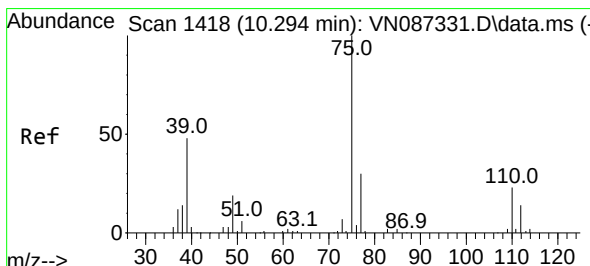
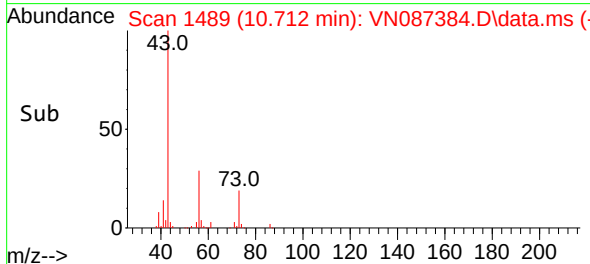
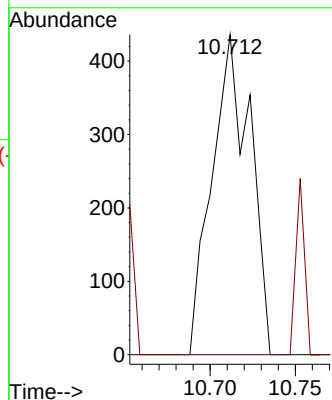
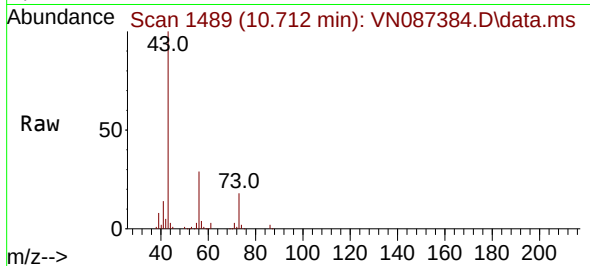




#53
t-1,3-Dichloropropene
Concen: 0.210 ug/l
RT: 10.712 min Scan# 141
Delta R.T. -0.106 min
Lab File: VN087384.D
Acq: 21 Jul 2025 16:46

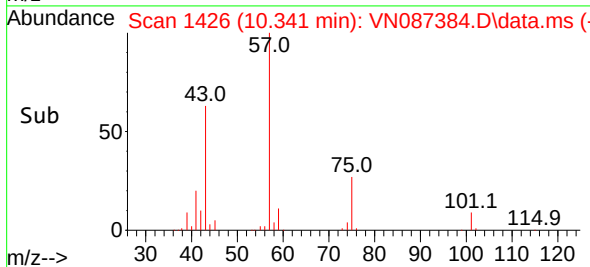
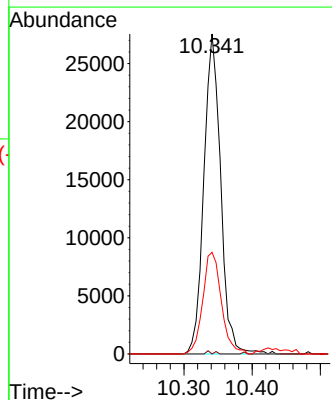
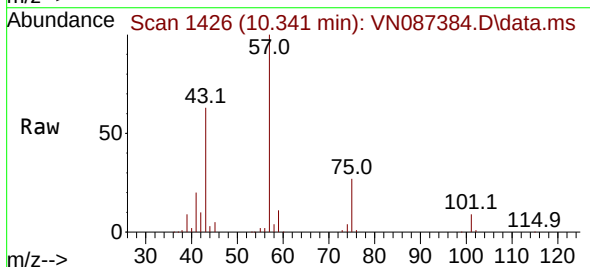
Instrument :
MSVOA_N
ClientSampleId :
PB168921TB

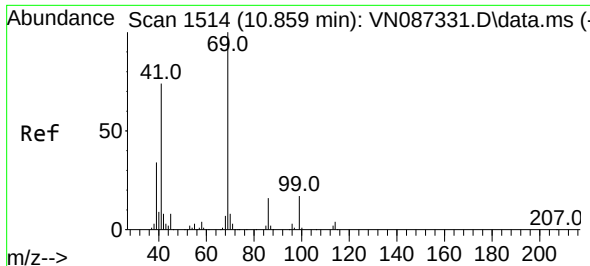
Tgt Ion: 75 Resp: 681
Ion Ratio Lower Upper
75 100
77 0.0 23.6 35.4#



#54
cis-1,3-Dichloropropene
Concen: 14.117 ug/l
RT: 10.341 min Scan# 1426
Delta R.T. 0.047 min
Lab File: VN087384.D
Acq: 21 Jul 2025 16:46

Tgt Ion: 75 Resp: 47234
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 31.7 38.4 57.6#

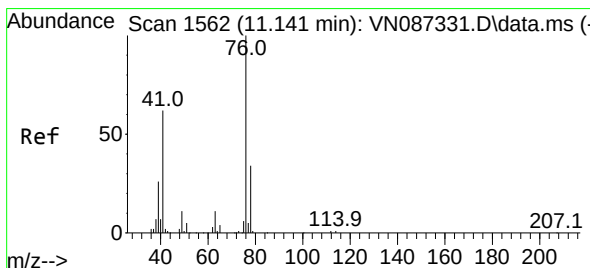
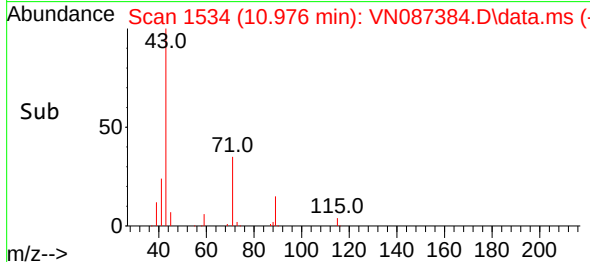
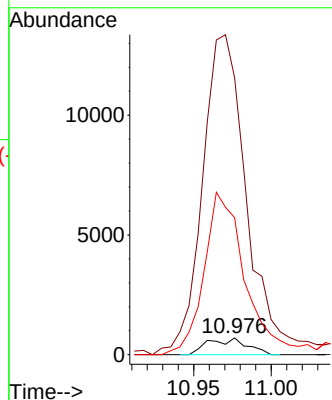
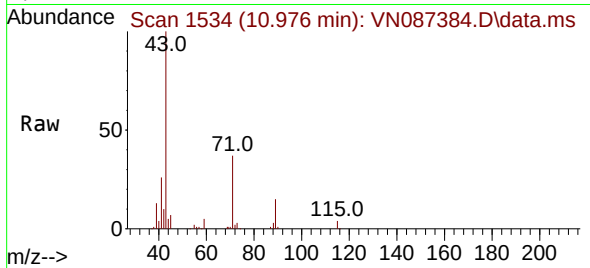




#56
Ethyl methacrylate
Concen: 0.993 ug/l
RT: 10.976 min Scan# 1534
Delta R.T. 0.117 min
Lab File: VN087384.D
Acq: 21 Jul 2025 16:46

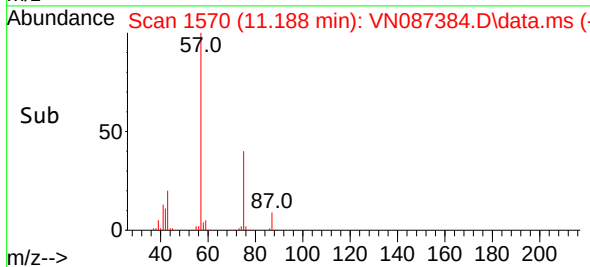
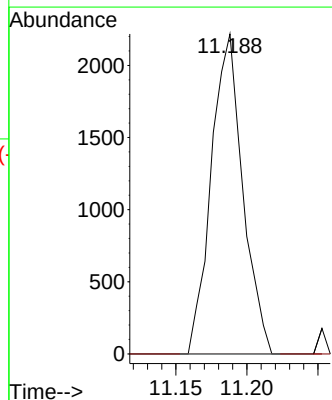
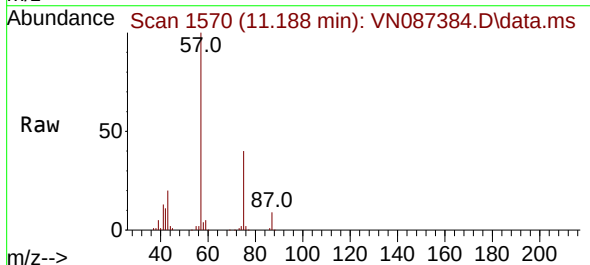
Instrument :
MSVOA_N
ClientSampleId :
PB168921TB

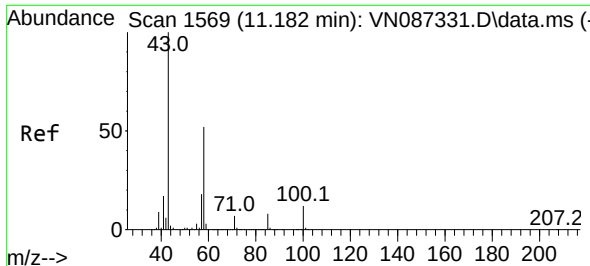
Tgt Ion: 69 Resp: 1212
Ion Ratio Lower Upper
69 100
41 2225.2 55.1 82.7#
39 1040.8 27.9 41.9#



#57
1,3-Dichloropropane
Concen: 0.964 ug/l
RT: 11.188 min Scan# 1570
Delta R.T. 0.047 min
Lab File: VN087384.D
Acq: 21 Jul 2025 16:46

Tgt Ion: 76 Resp: 3425
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#

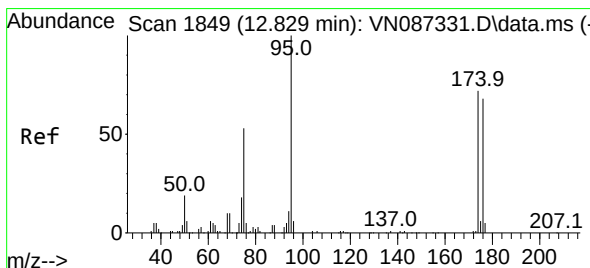
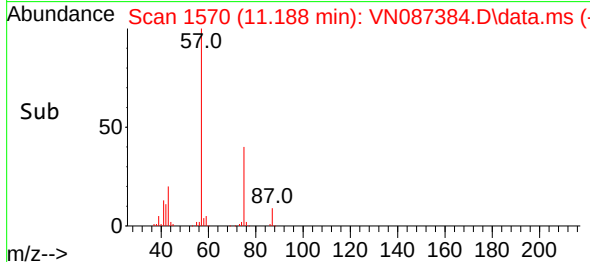
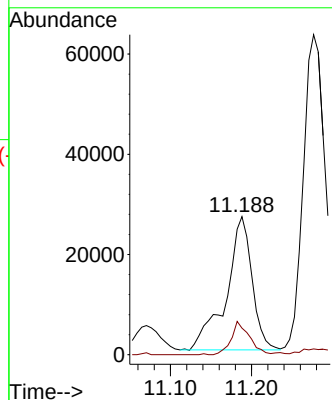
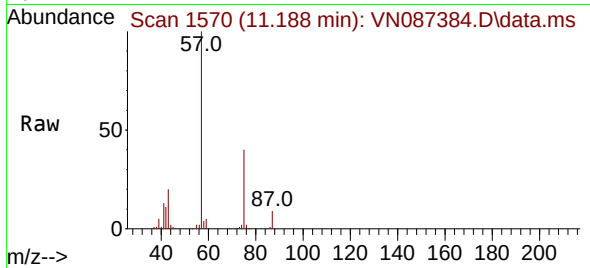




#59
2-Hexanone
Concen: 24.205 ug/l
RT: 11.188 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087384.D
Acq: 21 Jul 2025 16:46

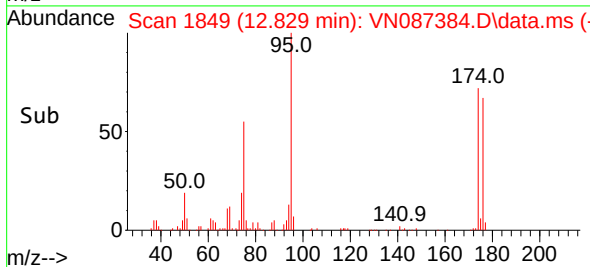
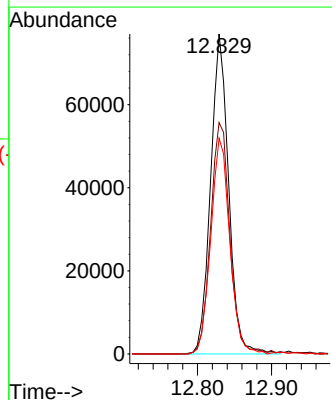
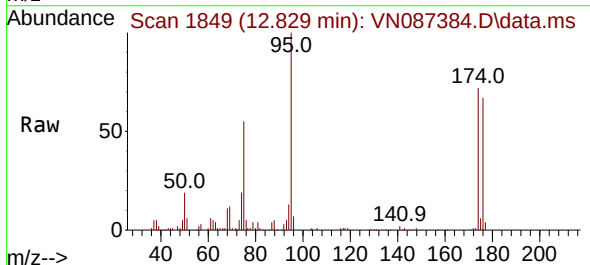
Instrument :
MSVOA_N
ClientSampleId :
PB168921TB

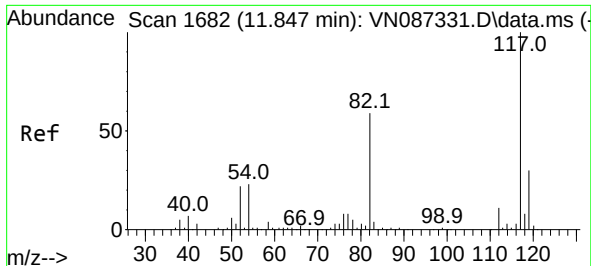
Tgt Ion: 43 Resp: 58848
Ion Ratio Lower Upper
43 100
58 17.5 26.7 80.0#



#62
4-Bromofluorobenzene
Concen: 50.385 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087384.D
Acq: 21 Jul 2025 16:46

Tgt Ion: 95 Resp: 129887
Ion Ratio Lower Upper
95 100
174 77.3 0.0 149.4
176 71.1 0.0 141.2

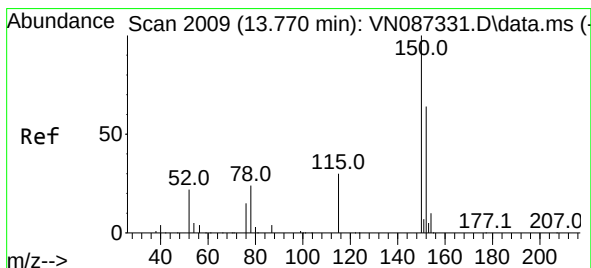
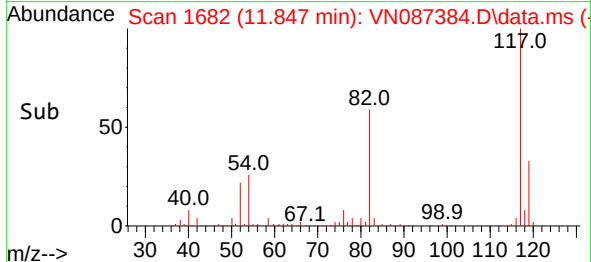
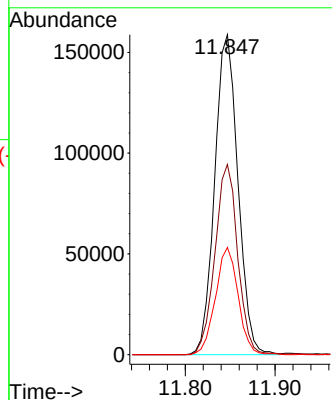
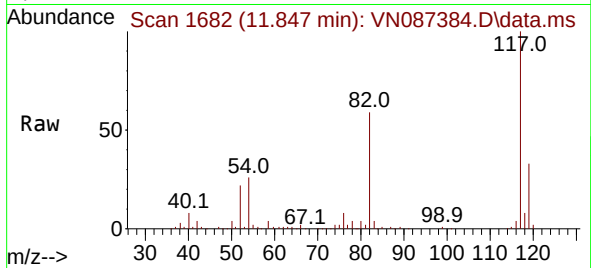




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087384.D
Acq: 21 Jul 2025 16:46

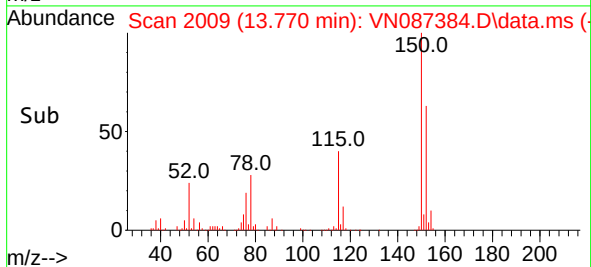
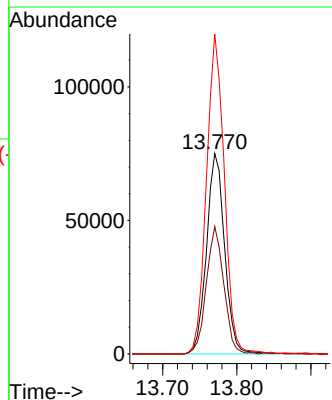
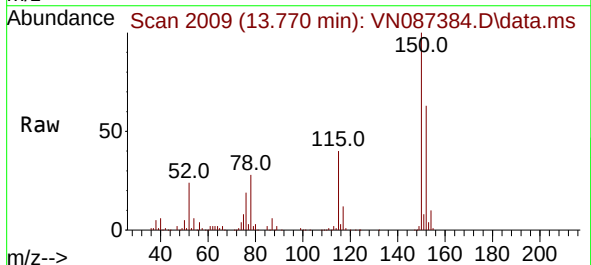
Instrument :
MSVOA_N
ClientSampleId :
PB168921TB

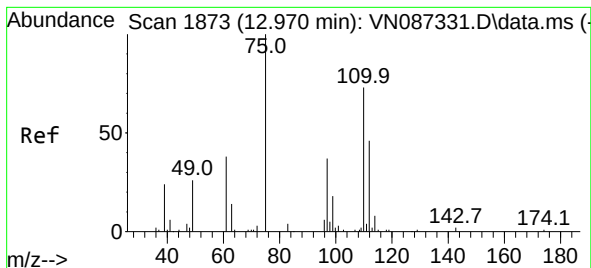
Tgt Ion:117 Resp: 285891
Ion Ratio Lower Upper
117 100
82 59.4 47.4 71.2
119 33.5 23.8 35.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087384.D
Acq: 21 Jul 2025 16:46

Tgt Ion:152 Resp: 127702
Ion Ratio Lower Upper
152 100
115 61.4 31.1 93.5
150 157.2 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 25.122 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.141 min

Lab File: VN087384.D

Acq: 21 Jul 2025 16:46

Instrument :

MSVOA_N

ClientSampleId :

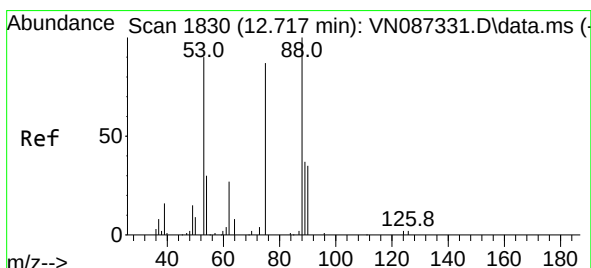
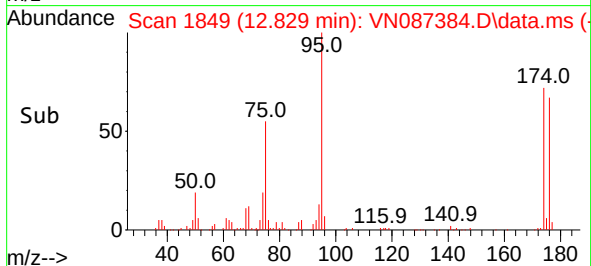
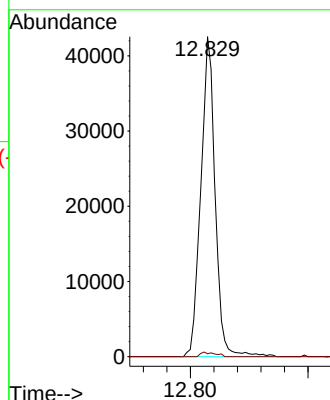
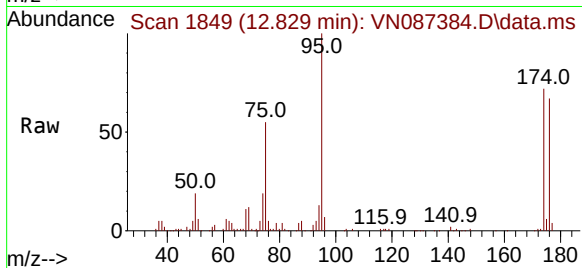
PB168921TB

Tgt Ion: 75 Resp: 71940

Ion Ratio Lower Upper

75 100

77 1.4 94.5 283.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.738 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.112 min

Lab File: VN087384.D

Acq: 21 Jul 2025 16:46

Tgt Ion: 75 Resp: 71940

Ion Ratio Lower Upper

75 100

53 0.1 83.5 125.3#

89 0.3 38.4 57.6#

