

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051325\
 Data File : VN086612.D
 Acq On : 13 May 2025 19:26
 Operator : JC\MD
 Sample : PB167964ZHE#10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167964ZHE#10

Quant Time: May 14 01:50:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

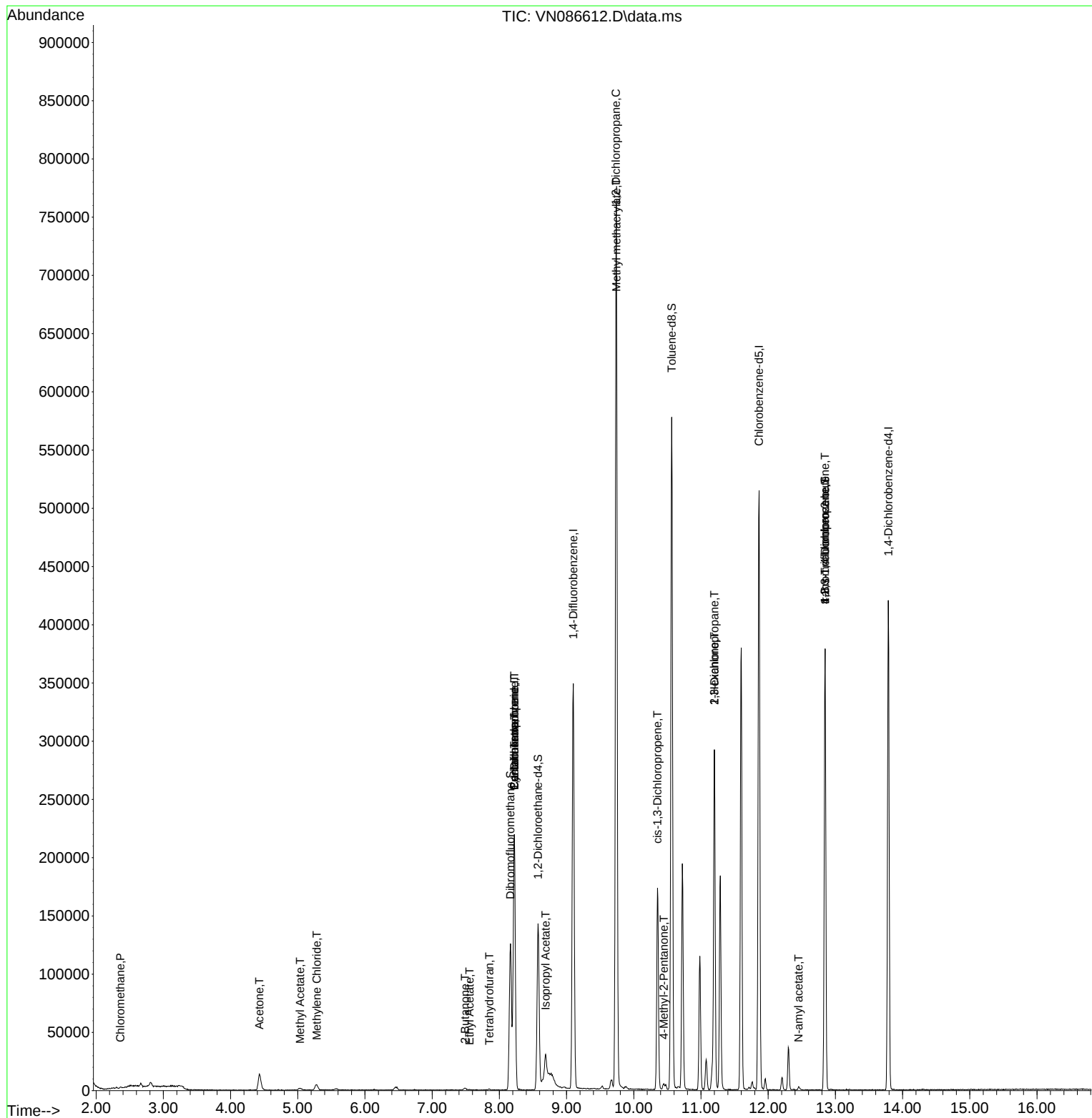
Internal Standards						
1) Pentafluorobenzene	8.224	168	161106	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	310800	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	300632	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	116312	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	117648	50.359	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 100.720%		
35) Dibromofluoromethane	8.165	113	93509	64.826	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 129.660%#		
50) Toluene-d8	10.565	98	407200	52.820	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 105.640%		
62) 4-Bromofluorobenzene	12.847	95	134942	47.990	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 95.980%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	653	0.235	ug/l #	75
16) Acetone	4.430	43	26415	27.627	ug/l	100
18) Methyl Acetate	5.036	43	3726	1.329	ug/l #	80
20) Methylene Chloride	5.283	84	4086	1.892	ug/l	89
25) 2-Butanone	7.488	43	3514	2.417	ug/l #	87
29) Tetrahydrofuran	7.853	42	581	0.597	ug/l #	49
31) Cyclohexane	8.224	56	3671	0.970	ug/l #	3
36) 1,1-Dichloropropene	8.224	75	13274	4.607	ug/l #	48
37) Ethyl Acetate	7.559	43	649	0.214	ug/l #	68
38) Carbon Tetrachloride	8.224	117	16221	5.912	ug/l #	14
43) Isopropyl Acetate	8.688	43	52275	7.883	ug/l #	72
45) 1,2-Dichloropropane	9.735	63	946	0.419	ug/l #	43
48) Methyl methacrylate	9.741	41	69461	26.077	ug/l #	42
51) 4-Methyl-2-Pentanone	10.447	43	3617	1.165	ug/l #	80
54) cis-1,3-Dichloropropene	10.353	75	33889	8.889	ug/l #	58
57) 1,3-Dichloropropane	11.200	76	3081	0.838	ug/l #	43
59) 2-Hexanone	11.200	43	53968	23.425	ug/l #	44
74) N-amyl acetate	12.453	43	3091	0.653	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	69260	25.233	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	69260	60.601	ug/l #	10

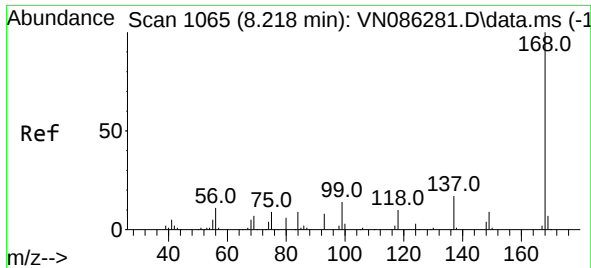
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

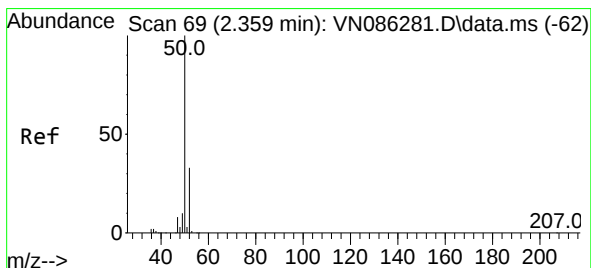
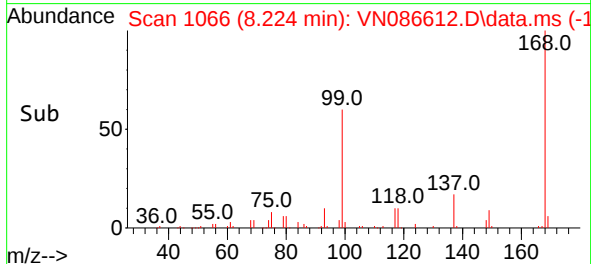
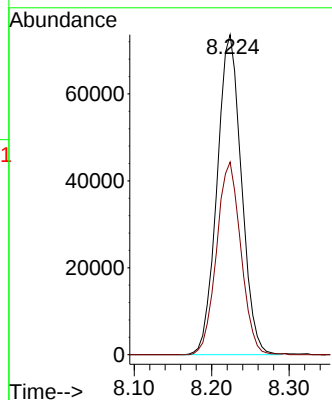
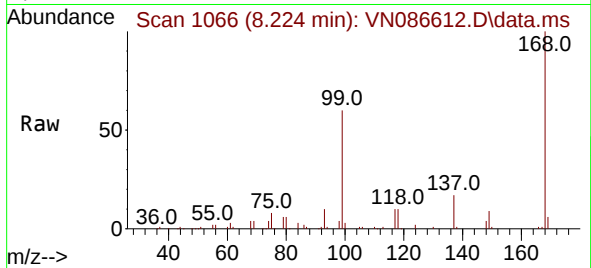




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086612.D
Acq: 13 May 2025 19:26

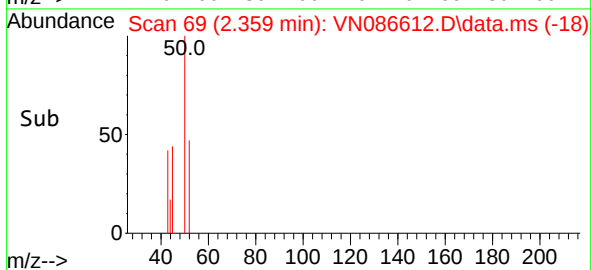
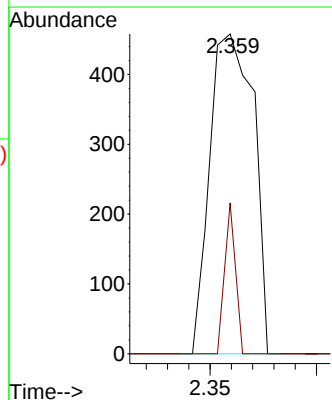
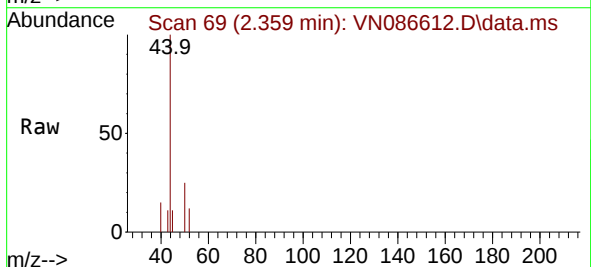
Instrument :
MSVOA_N
ClientSampleId :
PB167964ZHE#10

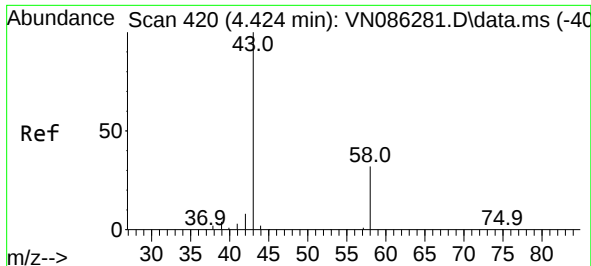
Tgt Ion:168 Resp: 161106
Ion Ratio Lower Upper
168 100
99 60.2 52.5 78.7



#3
Chloromethane
Concen: 0.235 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086612.D
Acq: 13 May 2025 19:26

Tgt Ion: 50 Resp: 653
Ion Ratio Lower Upper
50 100
52 47.2 26.5 39.7#

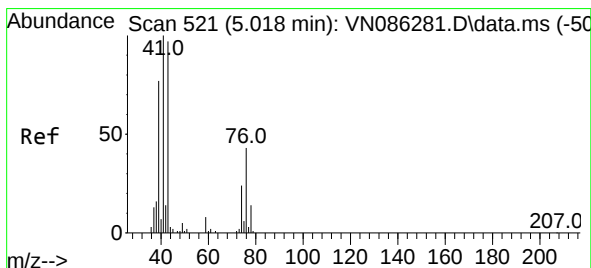
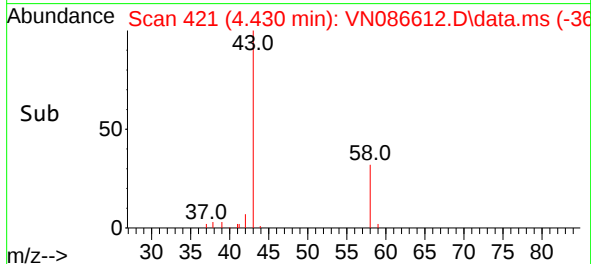
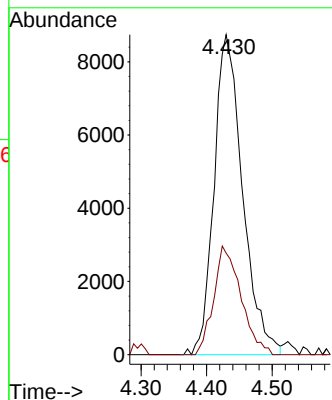
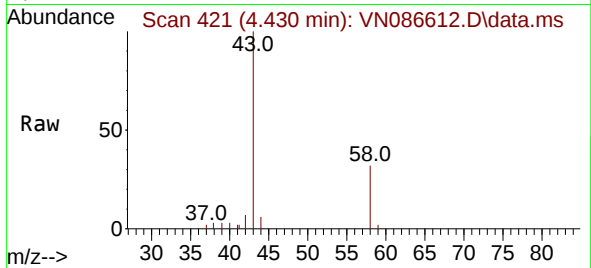




#16
Acetone
Concen: 27.627 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086612.D
Acq: 13 May 2025 19:26

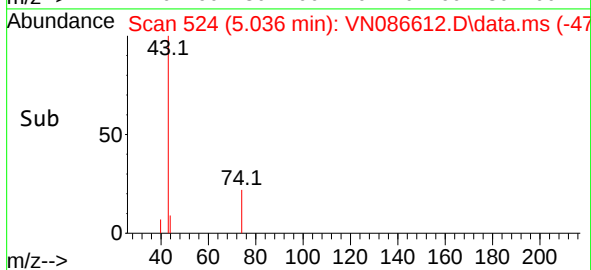
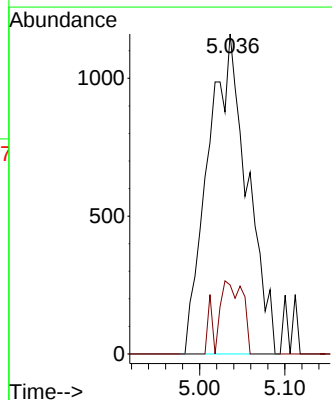
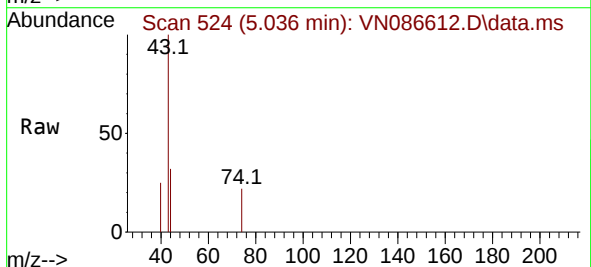
Instrument :
MSVOA_N
ClientSampleId :
PB167964ZHE#10

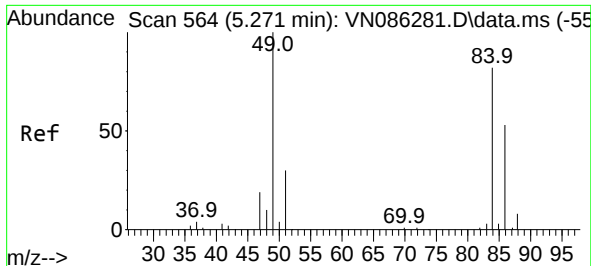
Tgt Ion: 43 Resp: 26415
Ion Ratio Lower Upper
43 100
58 31.7 25.3 37.9



#18
Methyl Acetate
Concen: 1.329 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN086612.D
Acq: 13 May 2025 19:26

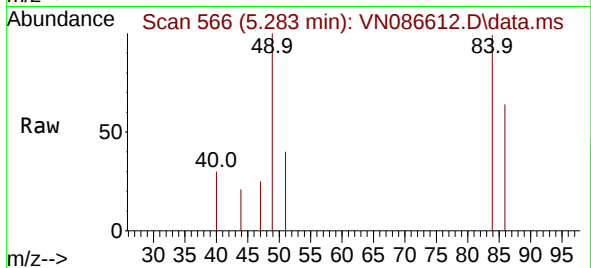
Tgt Ion: 43 Resp: 3726
Ion Ratio Lower Upper
43 100
74 14.7 19.8 29.6#



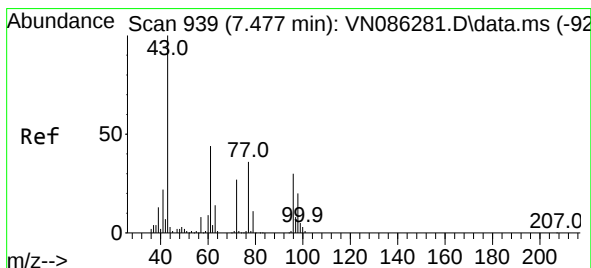
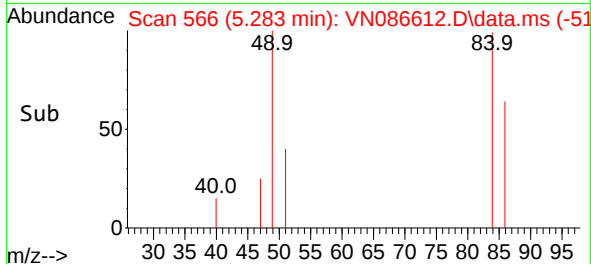
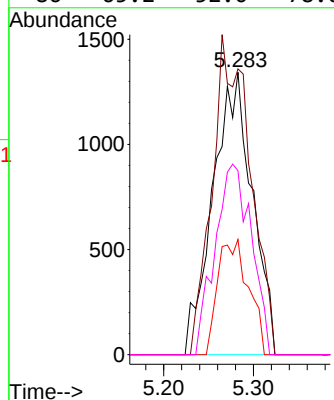


#20
Methylene Chloride
Concen: 1.892 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN086612.D
Acq: 13 May 2025 19:26

Instrument :
MSVOA_N
ClientSampleId :
PB167964ZHE#10

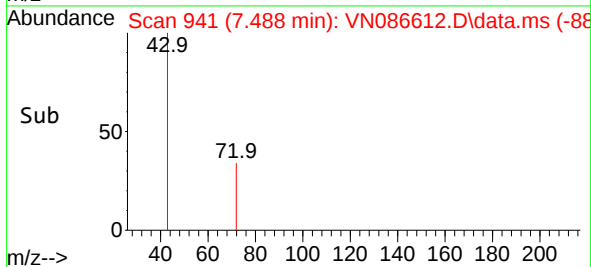
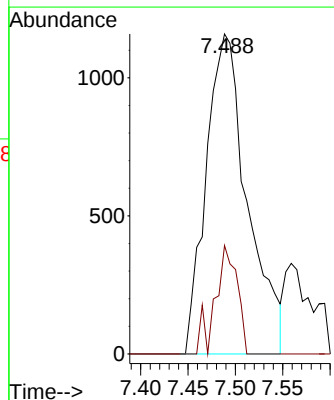
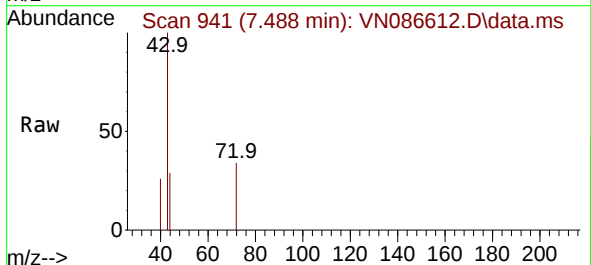


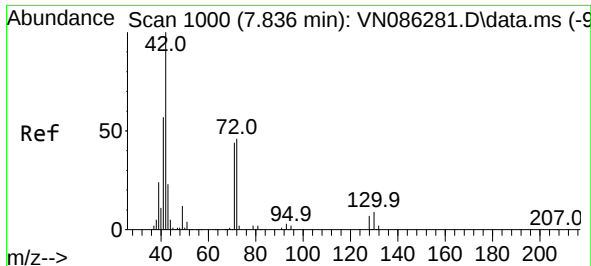
Tgt Ion: 84	Resp: 4086
Ion Ratio	Lower Upper
84 100	
49 101.2	98.2 147.2
51 40.8	29.8 44.6
86 65.2	52.0 78.0



#25
2-Butanone
Concen: 2.417 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN086612.D
Acq: 13 May 2025 19:26

Tgt Ion: 43	Resp: 3514		
Ion Ratio	Lower	Upper	
43 100			
72 33.9	21.7	32.5#	





#29

Tetrahydrofuran

Concen: 0.597 ug/l

RT: 7.853 min Scan# 1066

Delta R.T. 0.018 min

Lab File: VN086612.D

Acq: 13 May 2025 19:26

Instrument :

MSVOA_N

ClientSampleId :

PB167964ZHE#10

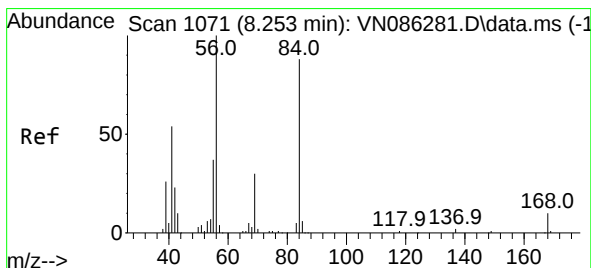
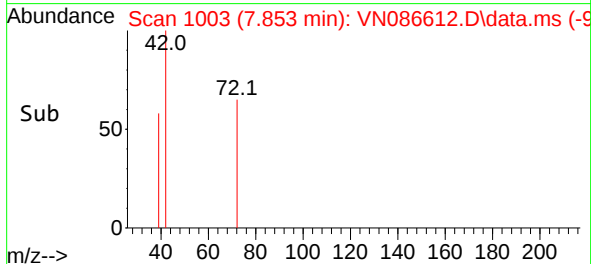
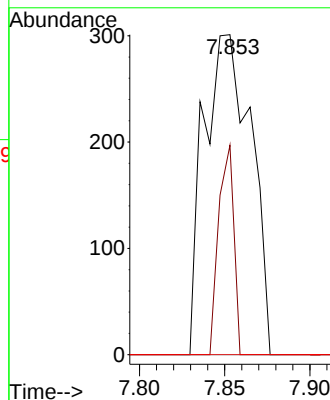
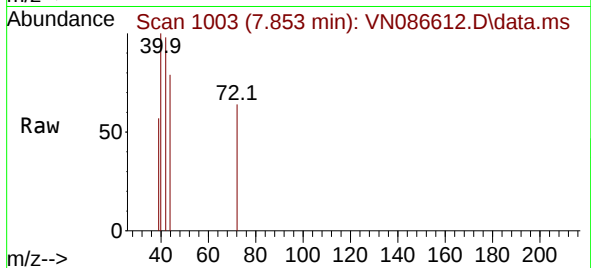
Tgt Ion: 42 Resp: 581

Ion Ratio Lower Upper

42 100

72 21.0 36.2 54.4#

71 0.0 34.0 51.0#



#31

Cyclohexane

Concen: 0.970 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN086612.D

Acq: 13 May 2025 19:26

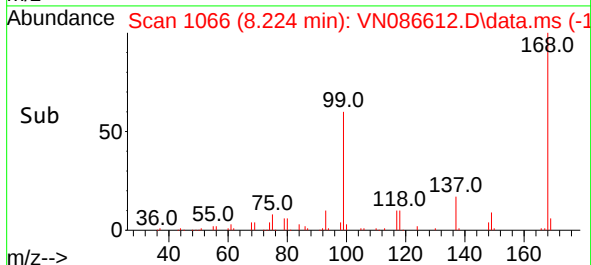
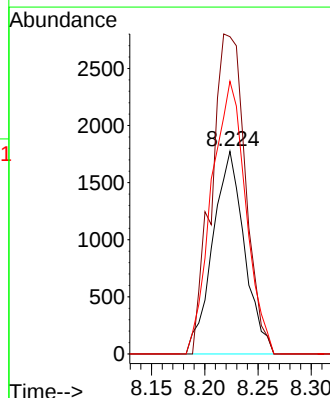
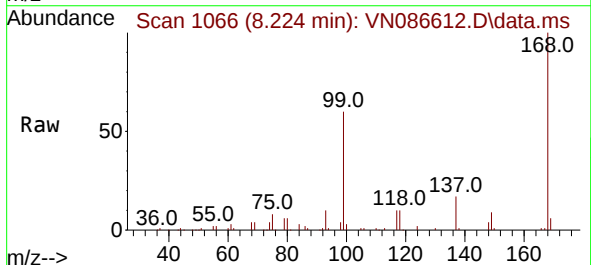
Tgt Ion: 56 Resp: 3671

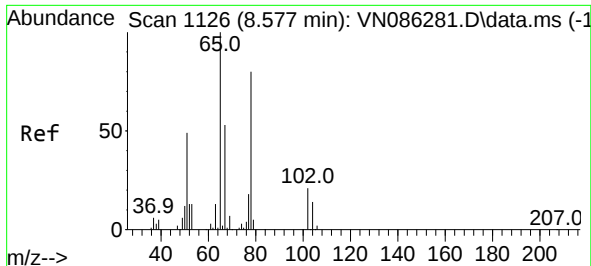
Ion Ratio Lower Upper

56 100

69 156.6 24.2 36.2#

84 134.6 70.3 105.5#





#33

1,2-Dichloroethane-d4

Concen: 50.359 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086612.D

Acq: 13 May 2025 19:26

Instrument :

MSVOA_N

ClientSampleId :

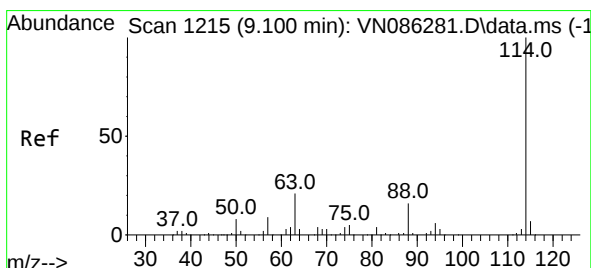
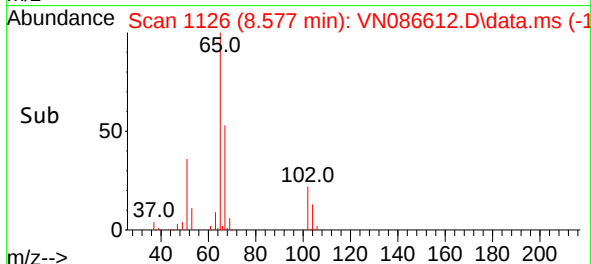
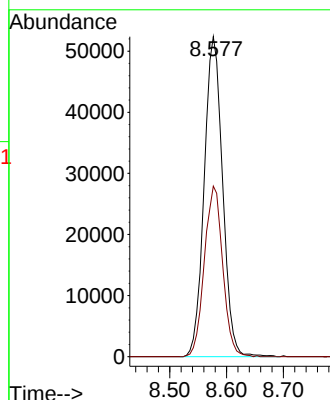
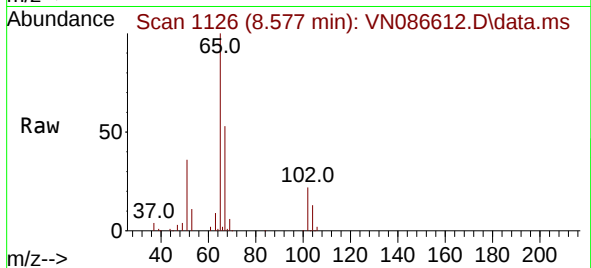
PB167964ZHE#10

Tgt Ion: 65 Resp: 117648

Ion Ratio Lower Upper

65 100

67 53.2 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086612.D

Acq: 13 May 2025 19:26

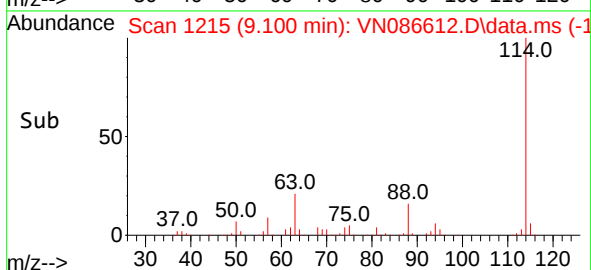
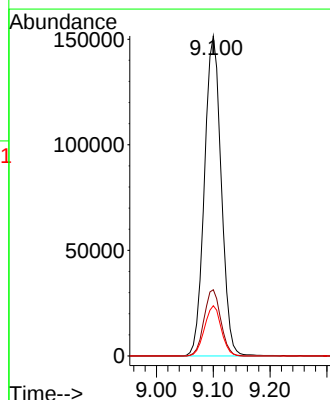
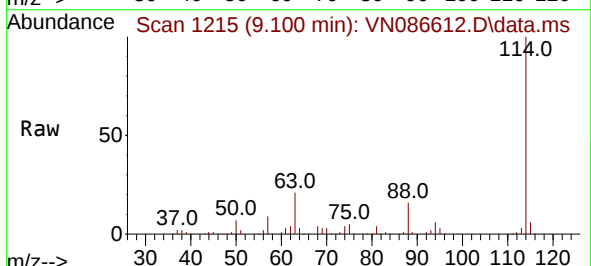
Tgt Ion: 114 Resp: 310800

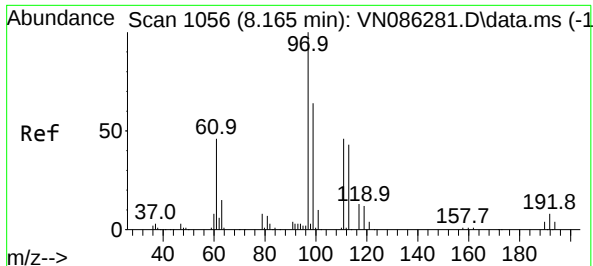
Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.6

88 15.7 0.0 31.8





#35

Dibromofluoromethane

Concen: 64.826 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086612.D

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PB167964ZHE#10

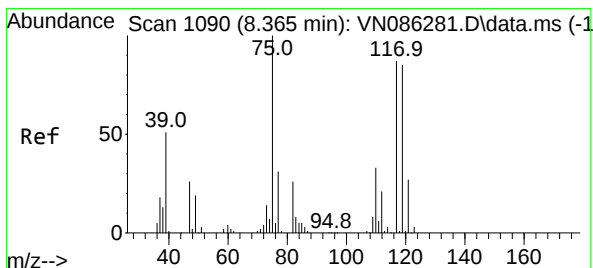
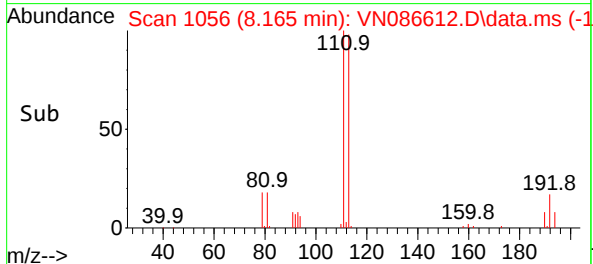
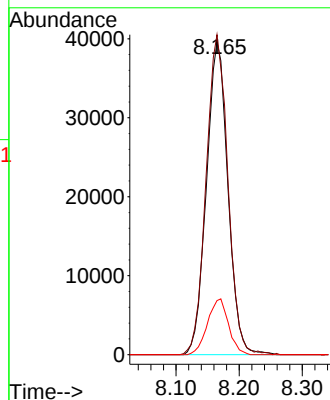
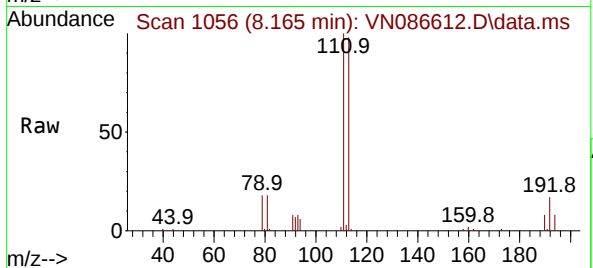
Tgt Ion:113 Resp: 93509

Ion Ratio Lower Upper

113 100

111 103.8 83.4 125.0

192 17.4 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.607 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086612.D

Acq: 13 May 2025 19:26

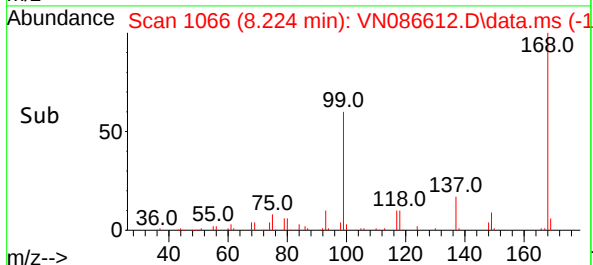
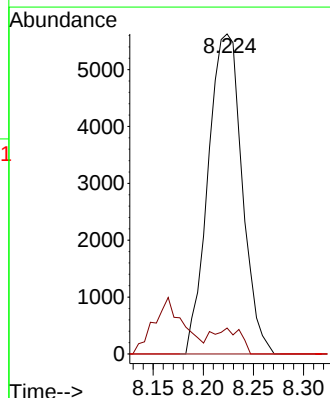
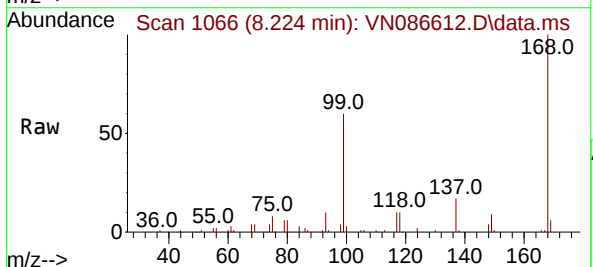
Tgt Ion: 75 Resp: 13274

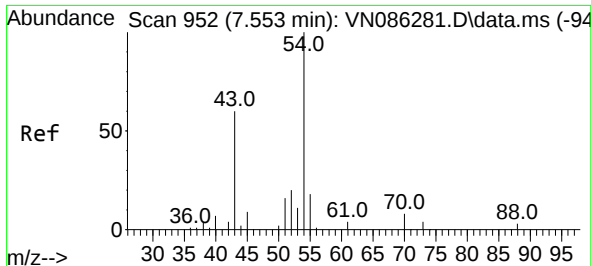
Ion Ratio Lower Upper

75 100

110 6.9 16.8 50.4#

77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 0.214 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN086612.D

Acq: 13 May 2025 19:26

Instrument :

MSVOA_N

ClientSampleId :

PB167964ZHE#10

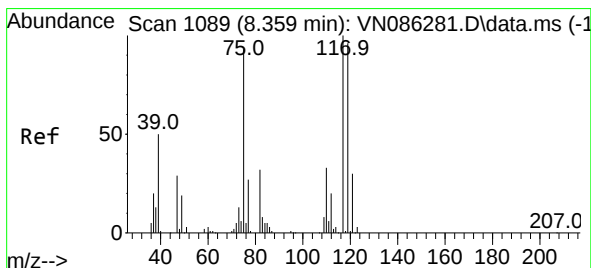
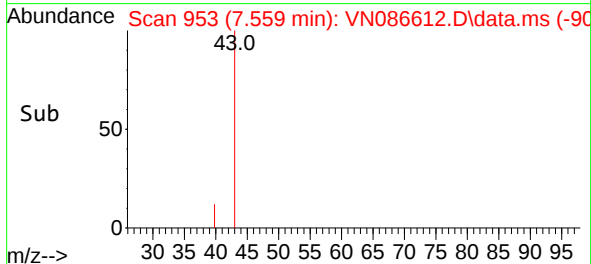
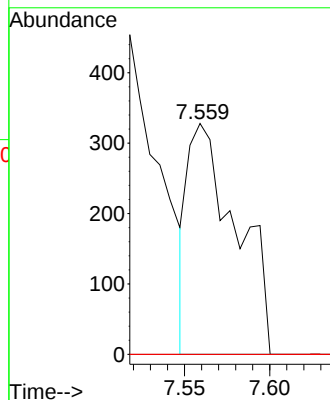
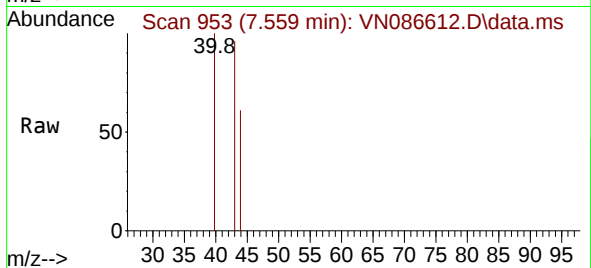
Tgt Ion: 43 Resp: 649

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

70 0.0 9.2 13.8#



#38

Carbon Tetrachloride

Concen: 5.912 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN086612.D

Acq: 13 May 2025 19:26

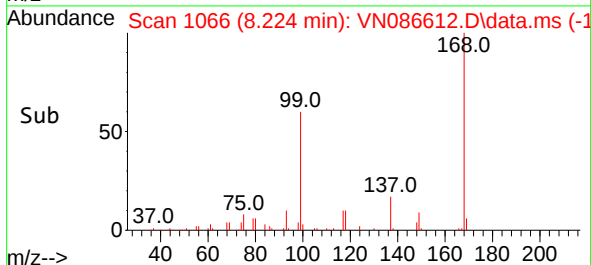
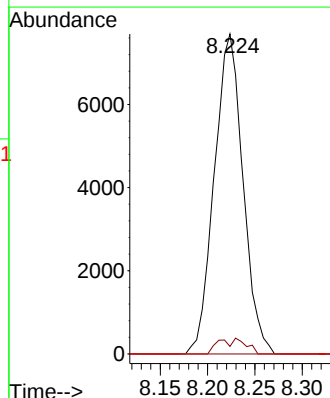
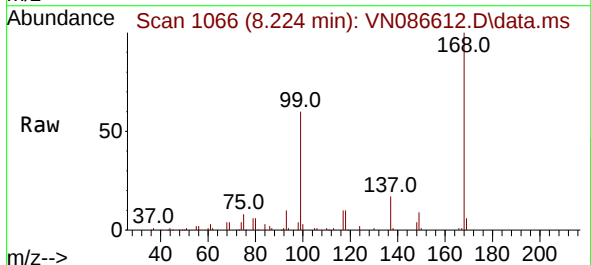
Tgt Ion: 117 Resp: 16221

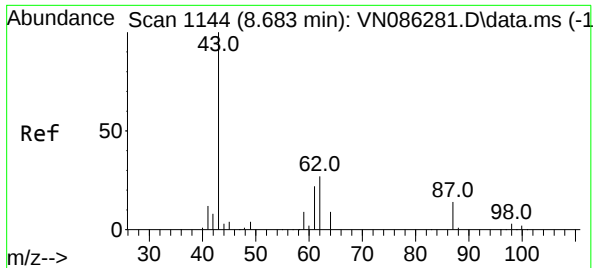
Ion Ratio Lower Upper

117 100

119 2.4 76.8 115.2#

121 0.0 23.8 35.8#

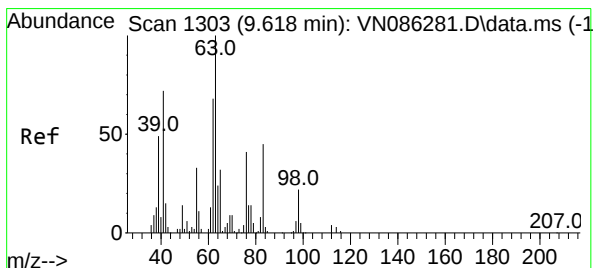
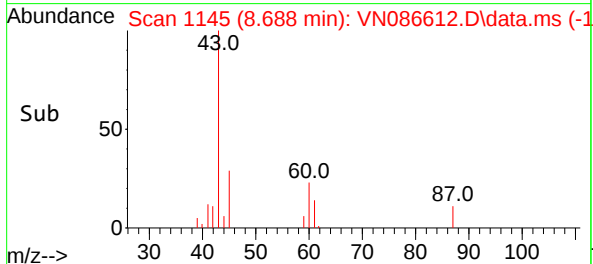
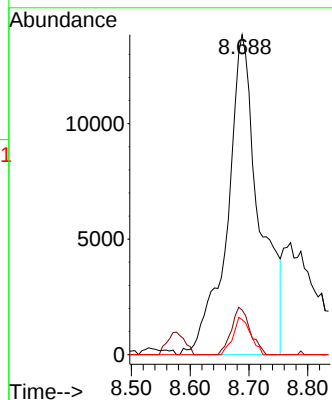
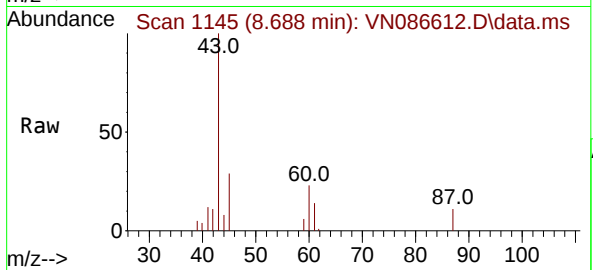




#43
Isopropyl Acetate
Concen: 7.883 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN086612.D
Acq: 13 May 2025 19:26

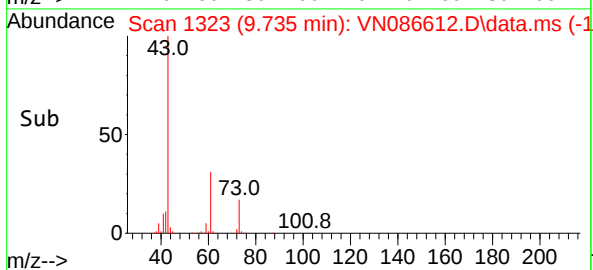
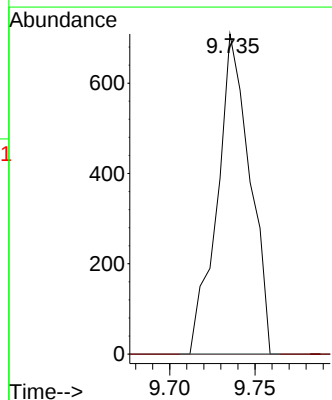
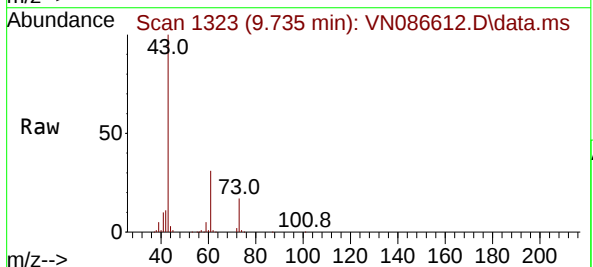
Instrument :
MSVOA_N
ClientSampleId :
PB167964ZHE#10

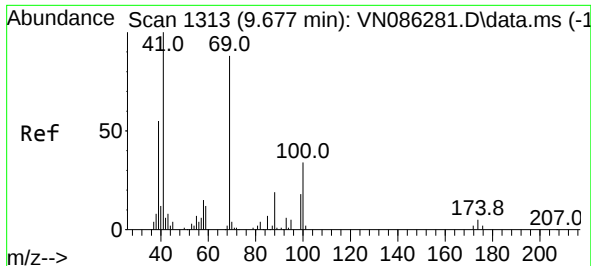
Tgt Ion: 43 Resp: 52275
Ion Ratio Lower Upper
43 100
61 8.7 20.5 30.7#
87 6.3 10.5 15.7#



#45
1,2-Dichloropropane
Concen: 0.419 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.118 min
Lab File: VN086612.D
Acq: 13 May 2025 19:26

Tgt Ion: 63 Resp: 946
Ion Ratio Lower Upper
63 100
65 0.0 25.4 38.2#





#48

Methyl methacrylate

Concen: 26.077 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.065 min

Lab File: VN086612.D

Acq: 13 May 2025 19:26

Instrument :

MSVOA_N

ClientSampleId :

PB167964ZHE#10

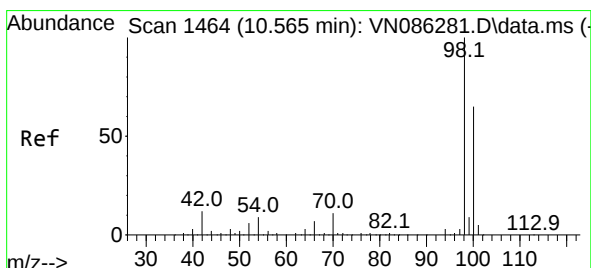
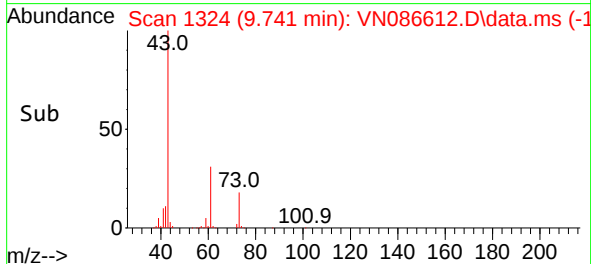
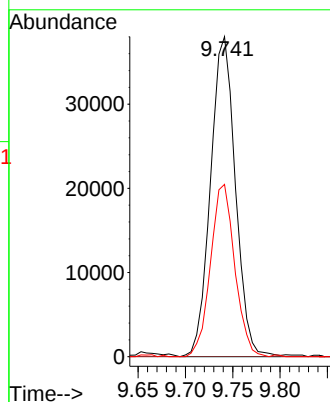
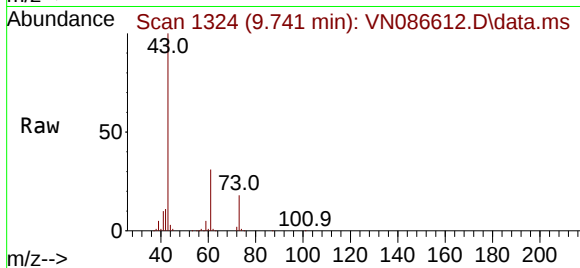
Tgt Ion: 41 Resp: 69461

Ion Ratio Lower Upper

41 100

69 0.0 68.2 102.2#

39 52.5 45.2 67.8



#50

Toluene-d8

Concen: 52.820 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086612.D

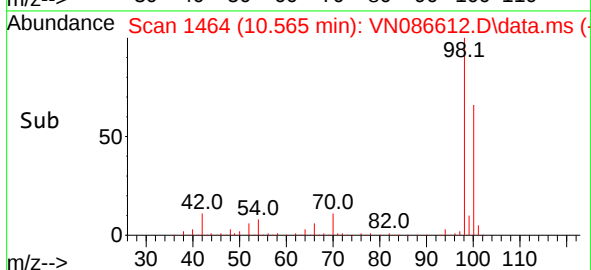
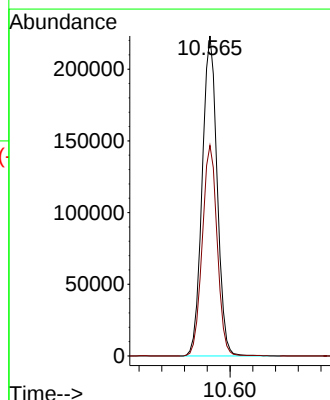
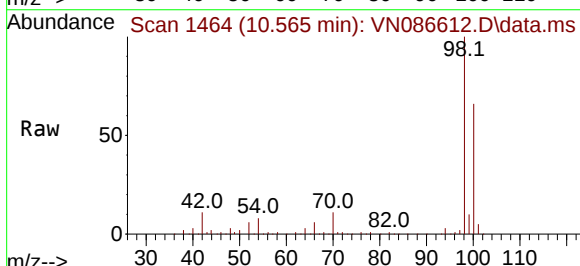
Acq: 13 May 2025 19:26

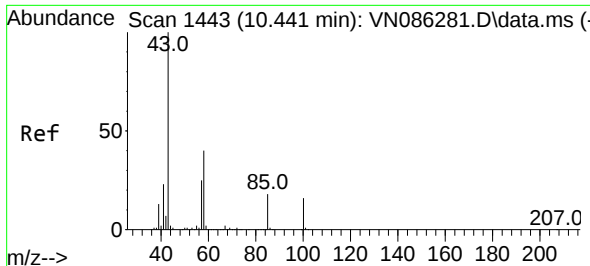
Tgt Ion: 98 Resp: 407200

Ion Ratio Lower Upper

98 100

100 65.7 52.5 78.7

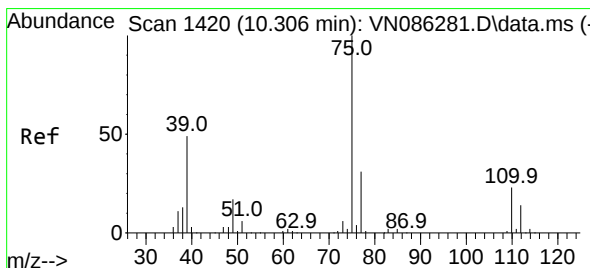
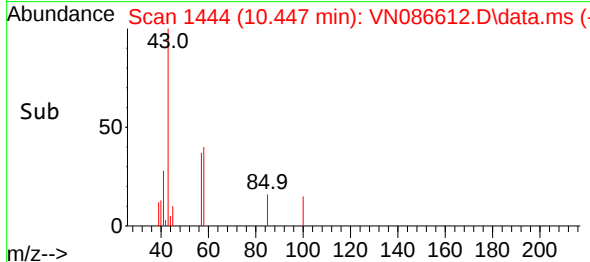
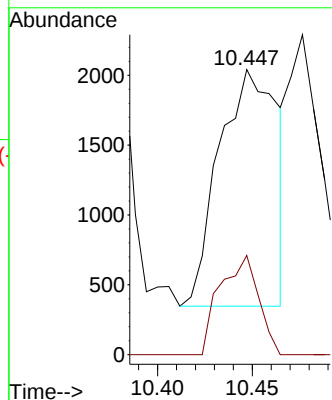
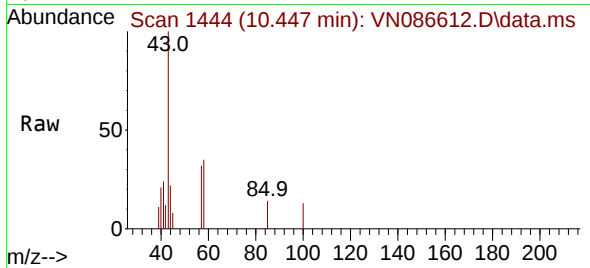




#51
4-Methyl-2-Pentanone
Concen: 1.165 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN086612.D
Acq: 13 May 2025 19:26

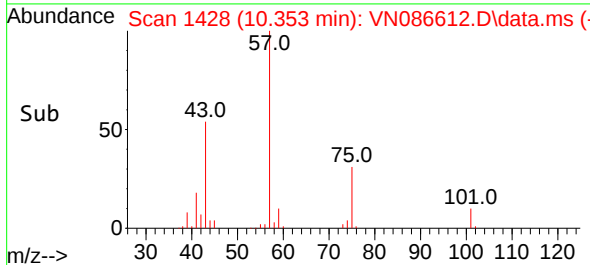
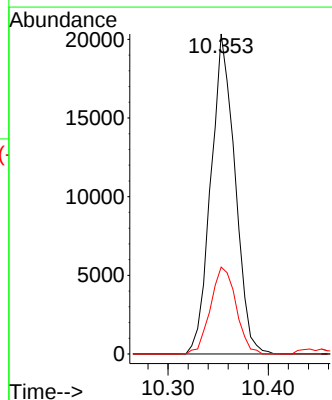
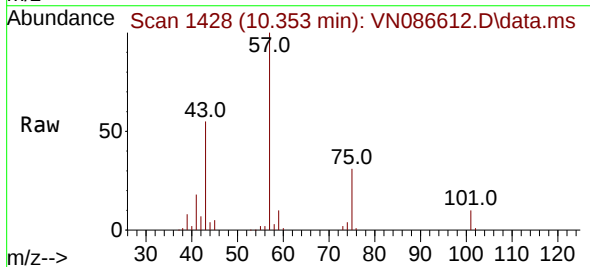
Instrument :
MSVOA_N
ClientSampleId :
PB167964ZHE#10

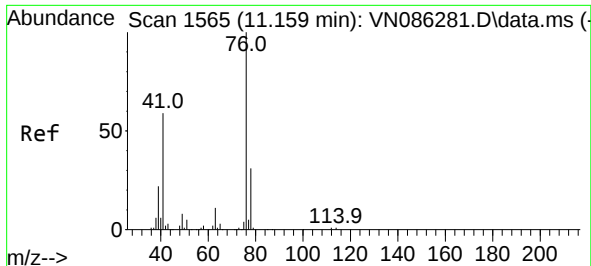
Tgt Ion: 43 Resp: 3617
Ion Ratio Lower Upper
43 100
58 27.7 32.2 48.4#



#54
cis-1,3-Dichloropropene
Concen: 8.889 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN086612.D
Acq: 13 May 2025 19:26

Tgt Ion: 75 Resp: 33889
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#
39 27.1 39.3 58.9#





#57

1,3-Dichloropropane

Concen: 0.838 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN086612.D

Acq: 13 May 2025 19:26

Instrument :

MSVOA_N

ClientSampleId :

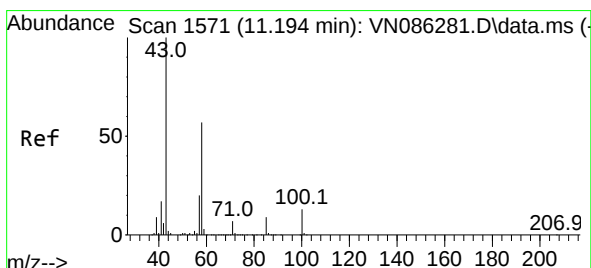
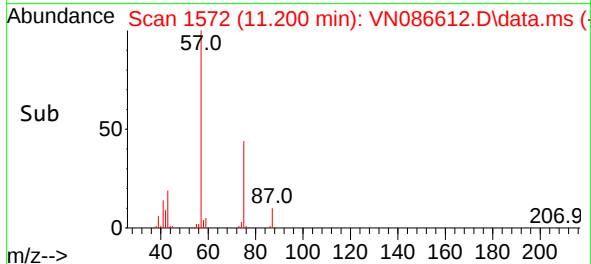
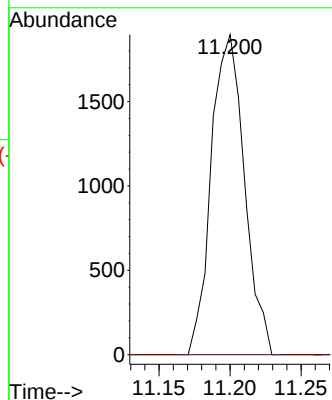
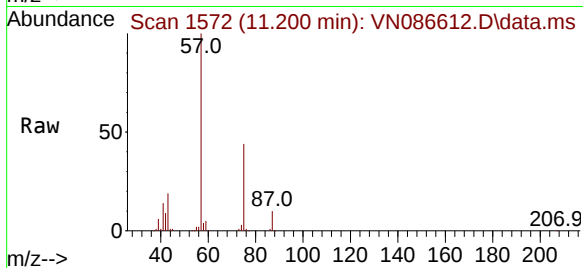
PB167964ZHE#10

Tgt Ion: 76 Resp: 3081

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 23.425 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN086612.D

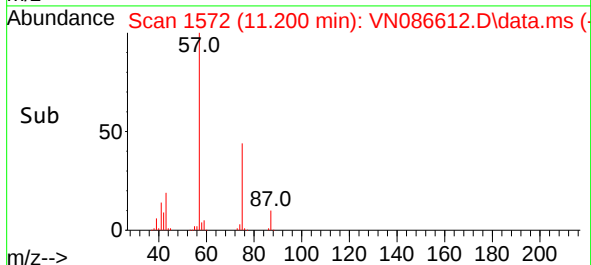
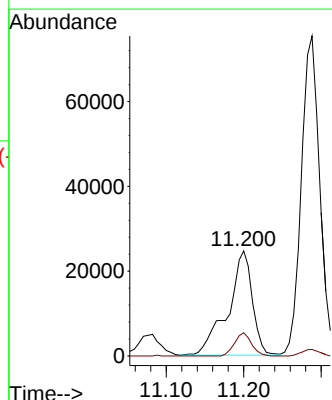
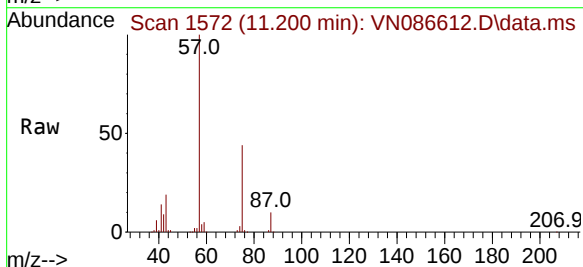
Acq: 13 May 2025 19:26

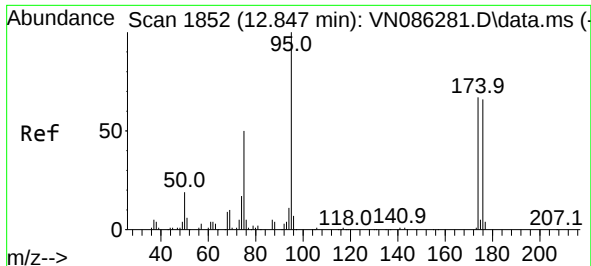
Tgt Ion: 43 Resp: 53968

Ion Ratio Lower Upper

43 100

58 15.5 28.3 85.0#

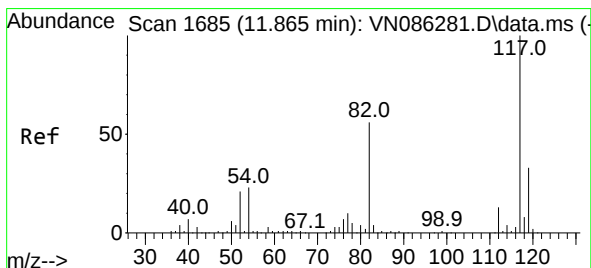
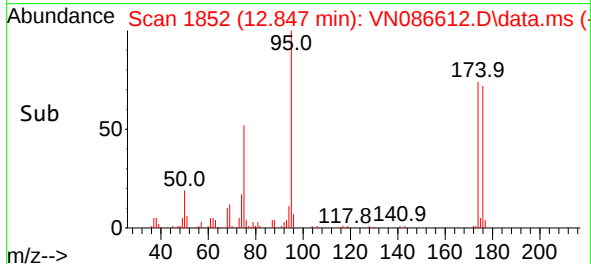
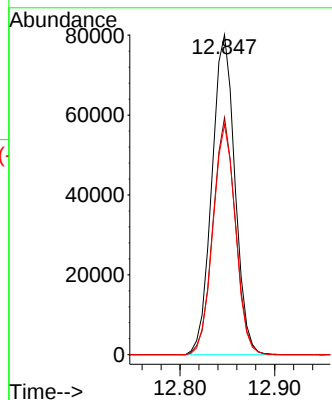
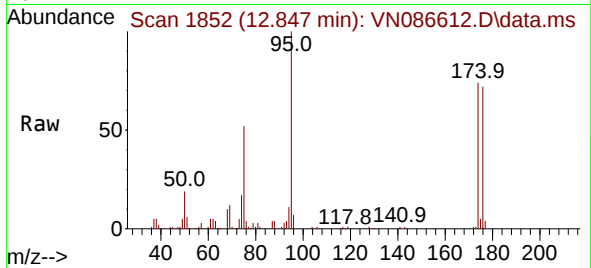




#62
4-Bromofluorobenzene
Concen: 47.990 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086612.D
Acq: 13 May 2025 19:26

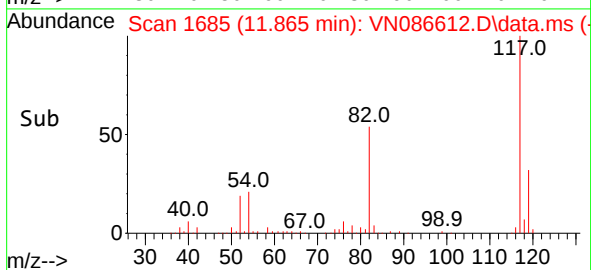
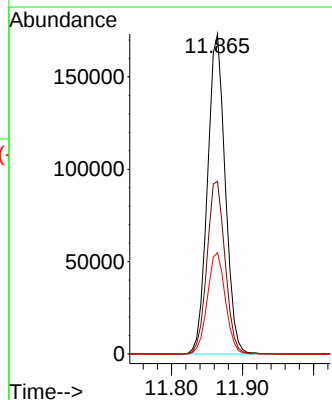
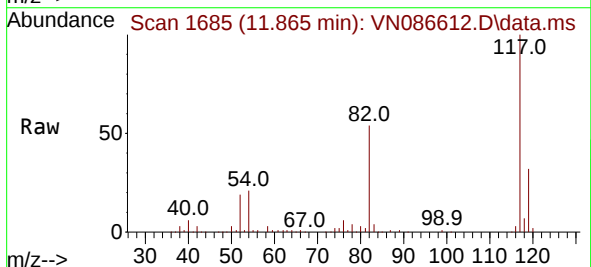
Instrument :
MSVOA_N
ClientSampleId :
PB167964ZHE#10

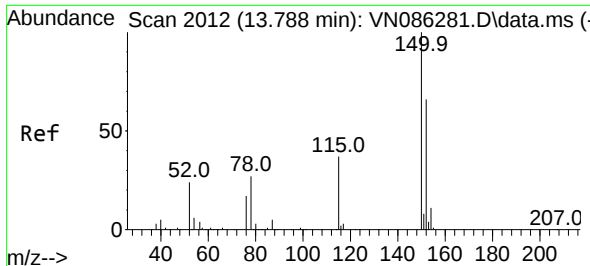
Tgt Ion: 95 Resp: 134942
Ion Ratio Lower Upper
95 100
174 72.2 0.0 133.4
176 70.7 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086612.D
Acq: 13 May 2025 19:26

Tgt Ion: 117 Resp: 300632
Ion Ratio Lower Upper
117 100
82 53.9 44.7 67.1
119 31.7 26.4 39.6

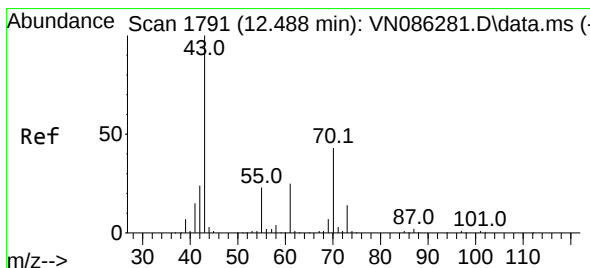
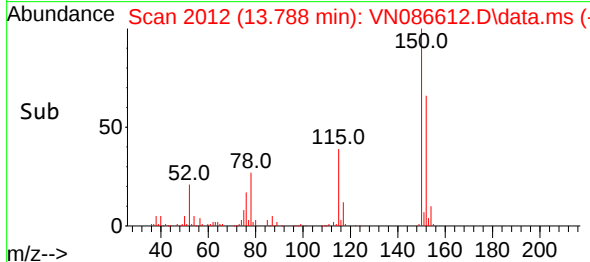
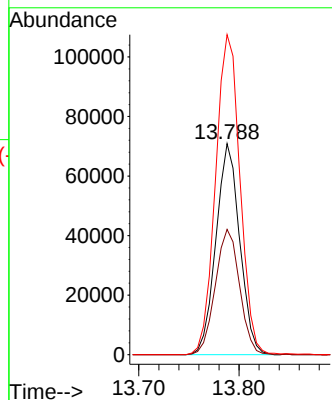
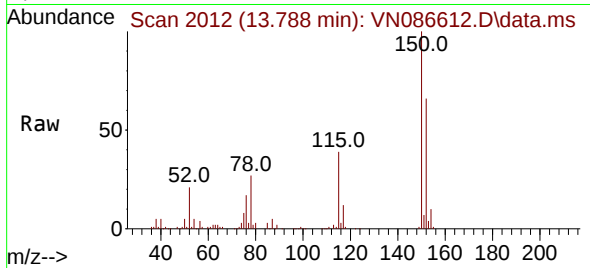




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086612.D
Acq: 13 May 2025 19:26

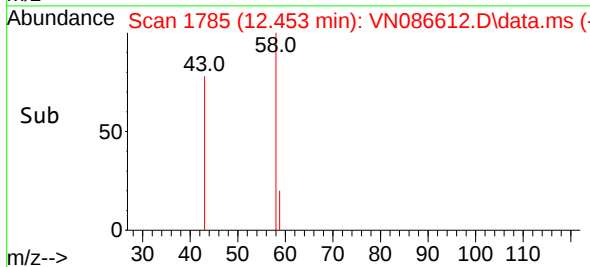
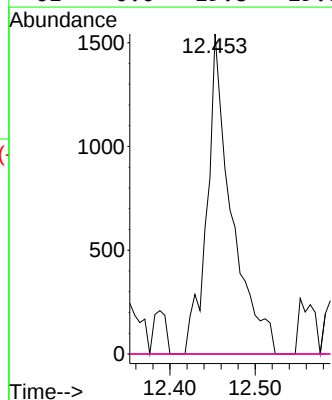
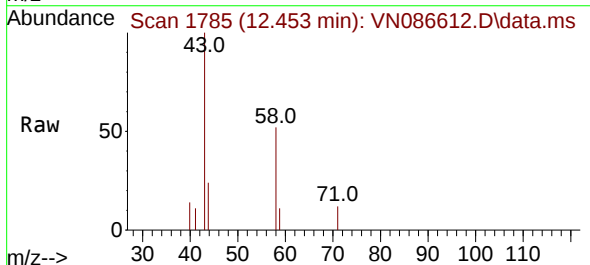
Instrument :
MSVOA_N
ClientSampleId :
PB167964ZHE#10

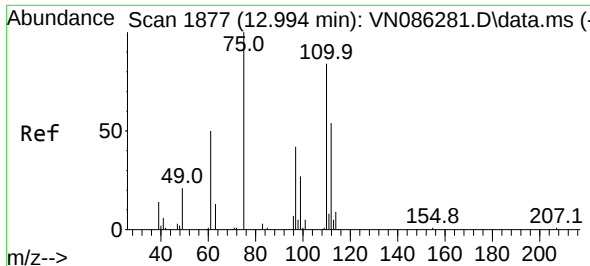
Tgt Ion:152 Resp: 116312
Ion Ratio Lower Upper
152 100
115 60.6 31.9 95.9
150 156.5 0.0 352.0



#74
N-ethyl acetate
Concen: 0.653 ug/l
RT: 12.453 min Scan# 1785
Delta R.T. -0.035 min
Lab File: VN086612.D
Acq: 13 May 2025 19:26

Tgt Ion: 43 Resp: 3091
Ion Ratio Lower Upper
43 100
70 0.0 35.0 52.4#
55 0.0 19.0 28.4#
61 0.0 19.8 29.8#

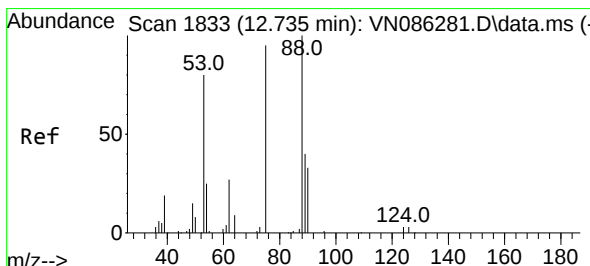
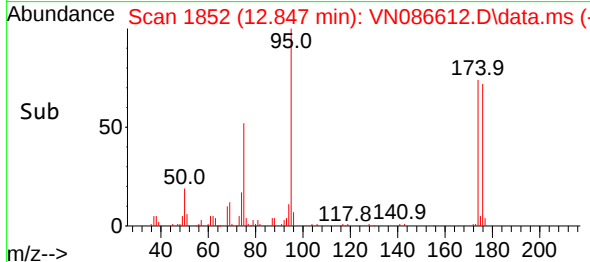
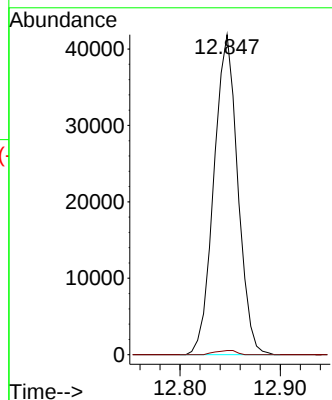
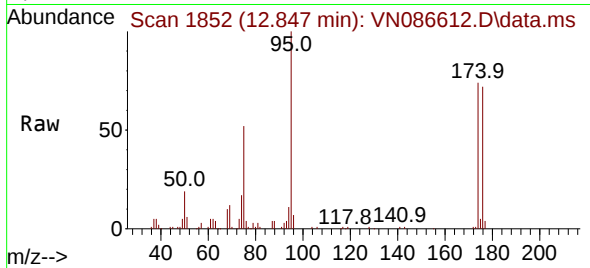




#76
1,2,3-Trichloropropane
Concen: 25.233 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086612.D
Acq: 13 May 2025 19:26

Instrument :
MSVOA_N
ClientSampleId :
PB167964ZHE#10

Tgt Ion: 75 Resp: 69260
Ion Ratio Lower Upper
75 100
77 1.2 98.8 296.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.601 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086612.D
Acq: 13 May 2025 19:26

Tgt Ion: 75 Resp: 69260
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#

