

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051225\
 Data File : VN086579.D
 Acq On : 12 May 2025 14:28
 Operator : JC\MD
 Sample : PB167932ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167932ZHE#04

Quant Time: May 13 01:52:25 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)

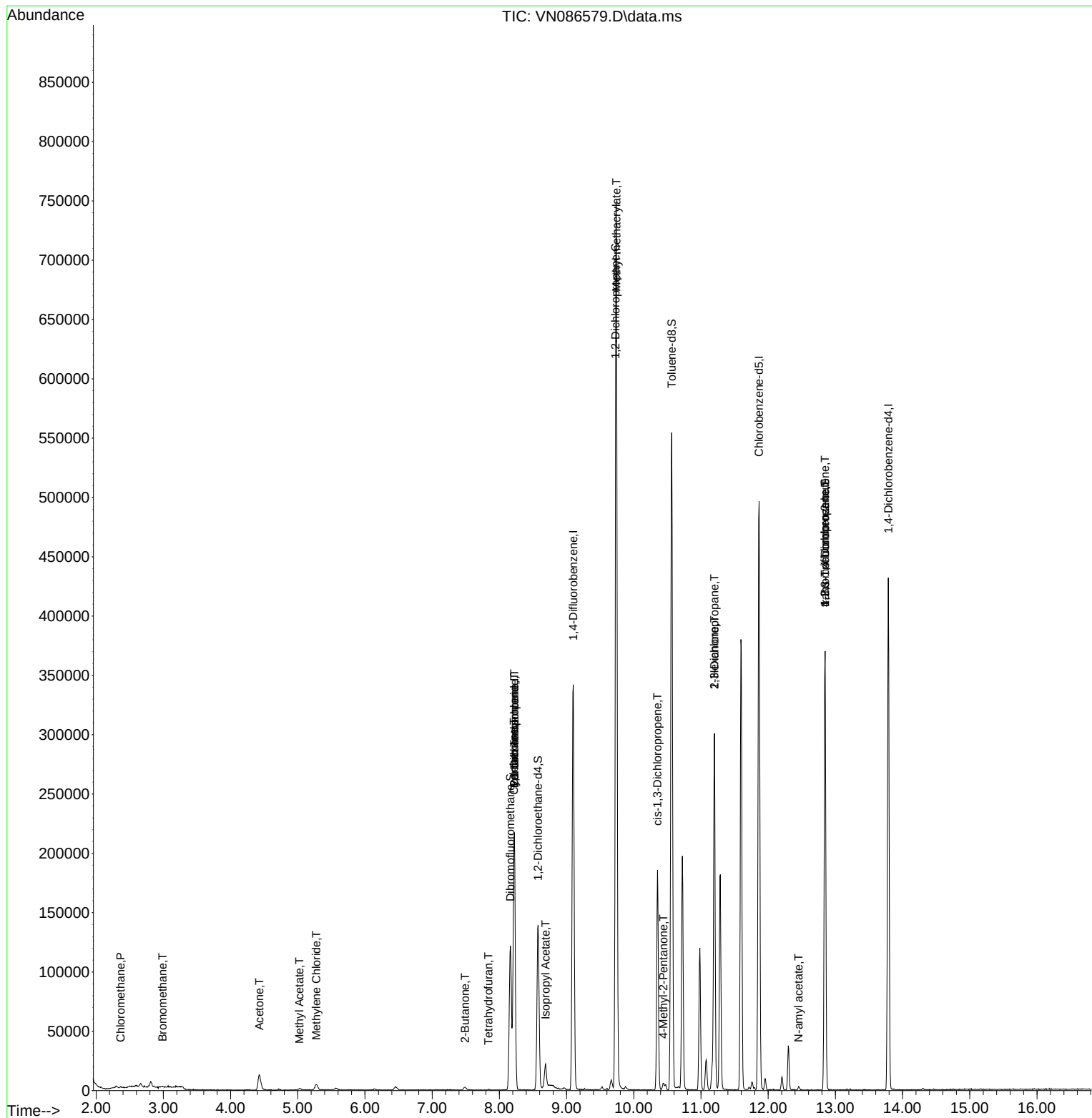
Internal Standards						
1) Pentafluorobenzene	8.224	168	162207	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	311654	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	296140	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	117337	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	116625	49.582	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.160%
35) Dibromofluoromethane	8.165	113	91059	62.954	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	125.900%#
50) Toluene-d8	10.565	98	397478	51.418	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.840%
62) 4-Bromofluorobenzene	12.847	95	132614	47.033	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.060%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	879	0.315	ug/l	90
5) Bromomethane	2.989	94	356	0.297	ug/l #	3
16) Acetone	4.430	43	25954	26.820	ug/l	99
18) Methyl Acetate	5.024	43	2660	0.942	ug/l #	66
20) Methylene Chloride	5.277	84	3861	1.776	ug/l #	85
25) 2-Butanone	7.488	43	4909	3.353	ug/l #	84
29) Tetrahydrofuran	7.835	42	386	0.394	ug/l #	32
31) Cyclohexane	8.218	56	3441	0.903	ug/l #	34
36) 1,1-Dichloropropene	8.224	75	13565	4.695	ug/l #	50
38) Carbon Tetrachloride	8.224	117	16342	5.940	ug/l #	15
43) Isopropyl Acetate	8.688	43	27231	3.183	ug/l #	85
45) 1,2-Dichloropropane	9.729	63	928	0.410	ug/l #	43
48) Methyl methacrylate	9.741	41	69662	26.081	ug/l #	42
51) 4-Methyl-2-Pentanone	10.441	43	2910	0.934	ug/l #	81
54) cis-1,3-Dichloropropene	10.353	75	34252	8.960	ug/l #	58
57) 1,3-Dichloropropane	11.200	76	3032	0.822	ug/l #	43
59) 2-Hexanone	11.200	43	55824	24.165	ug/l #	42
74) N-amyl acetate	12.453	43	2629	0.550	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	68073	24.584	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	68073	59.042	ug/l #	10

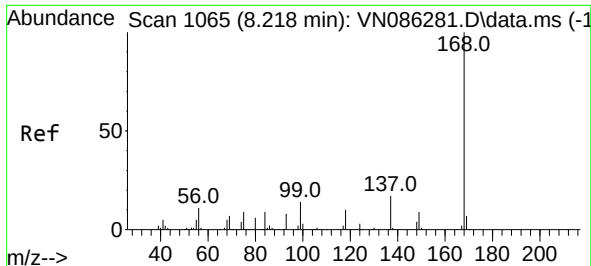
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051225\
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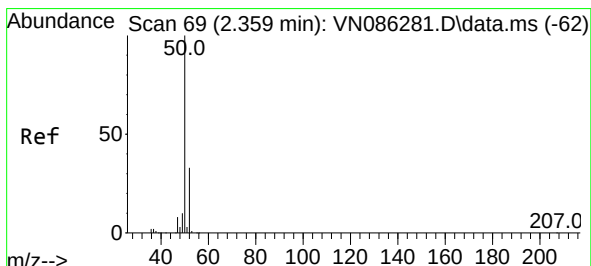
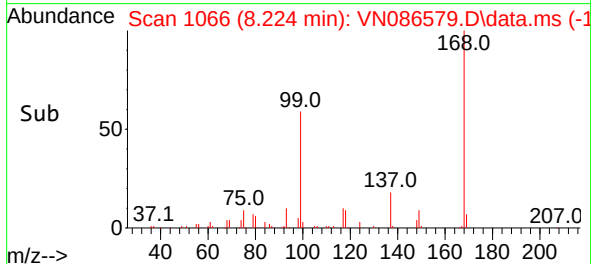
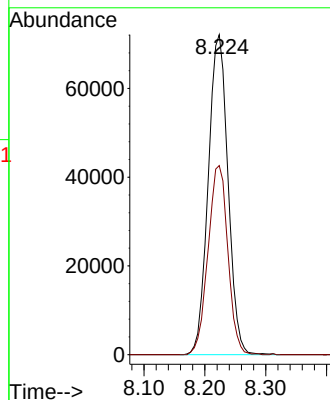
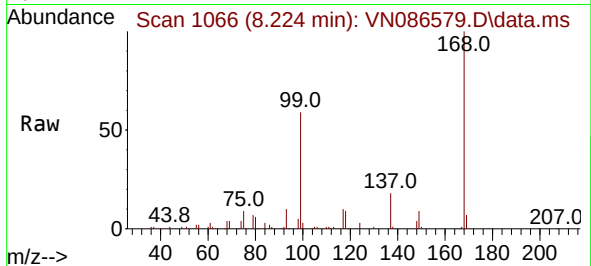




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN086579.D
Acq: 12 May 2025 14:28

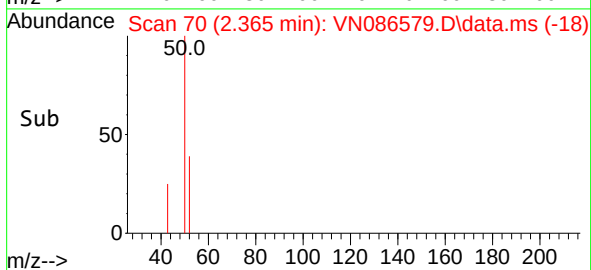
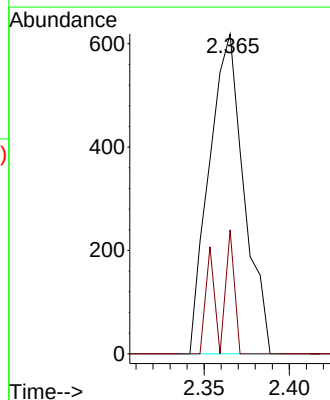
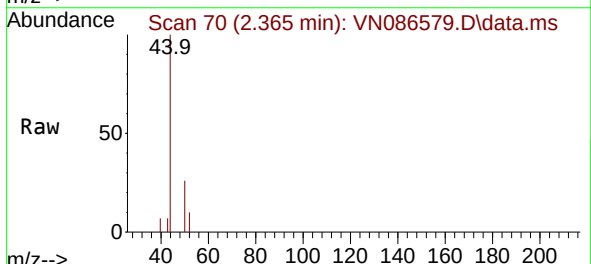
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#04

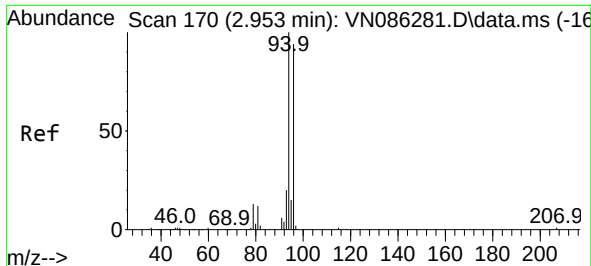
Tgt Ion:168 Resp: 162207
Ion Ratio Lower Upper
168 100
99 59.1 52.5 78.7



#3
Chloromethane
Concen: 0.315 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086579.D
Acq: 12 May 2025 14:28

Tgt Ion: 50 Resp: 879
Ion Ratio Lower Upper
50 100
52 38.8 26.5 39.7

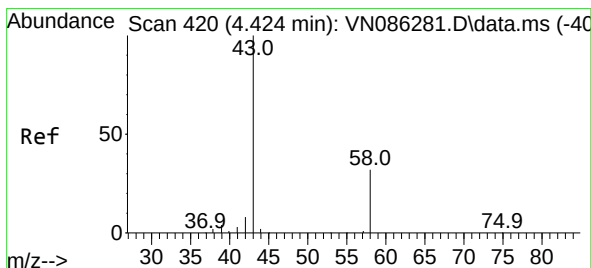
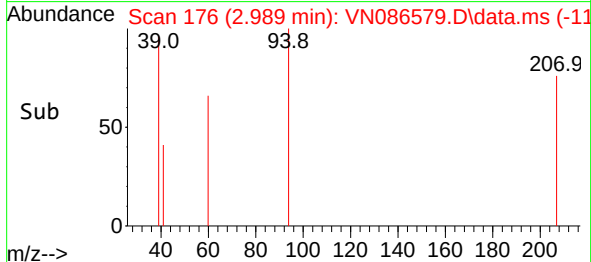
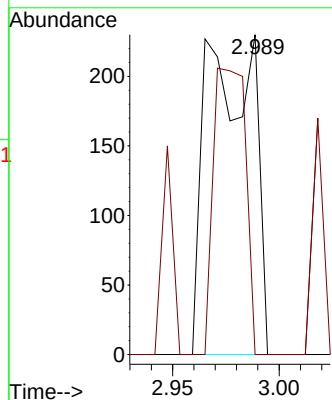
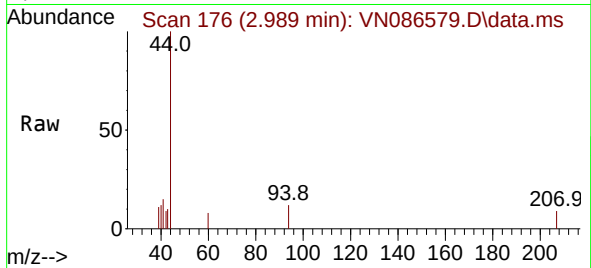




#5
Bromomethane
Concen: 0.297 ug/l
RT: 2.989 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN086579.D
Acq: 12 May 2025 14:28

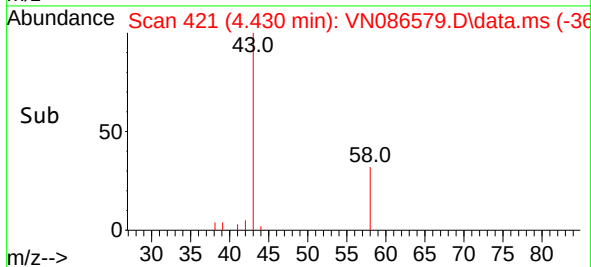
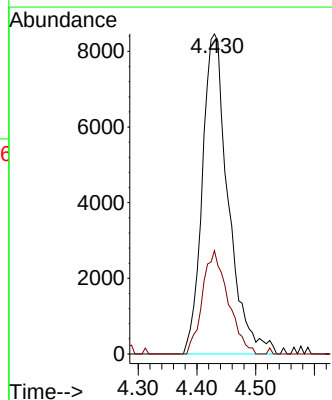
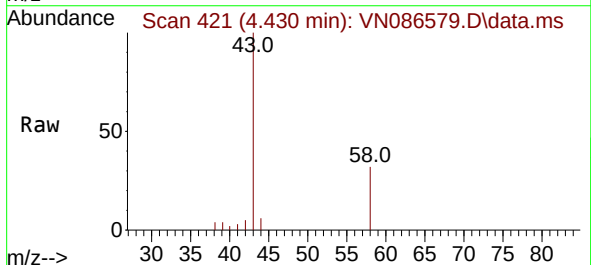
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#04

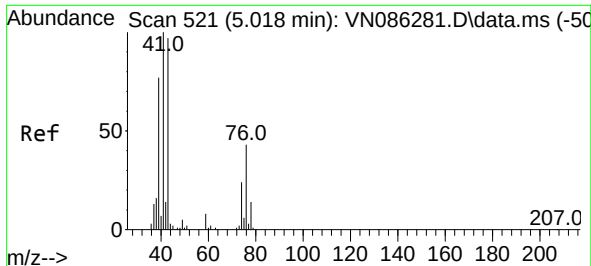
Tgt Ion: 94 Resp: 356
Ion Ratio Lower Upper
94 100
96 0.0 75.2 112.8#



#16
Acetone
Concen: 26.820 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086579.D
Acq: 12 May 2025 14:28

Tgt Ion: 43 Resp: 25954
Ion Ratio Lower Upper
43 100
58 32.3 25.3 37.9

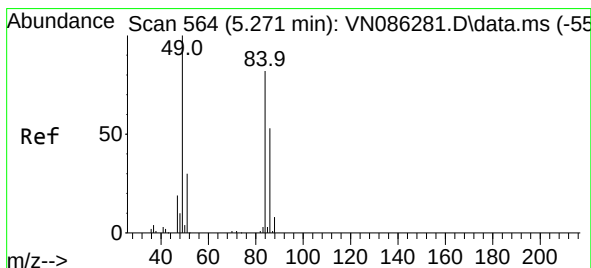
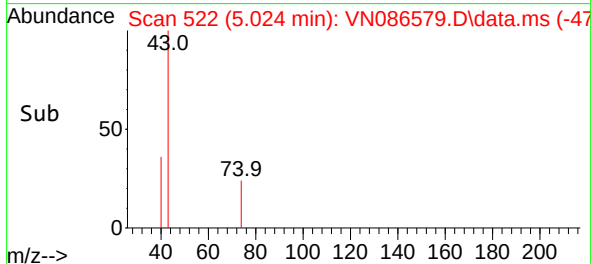
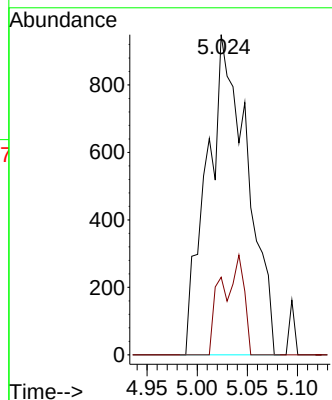
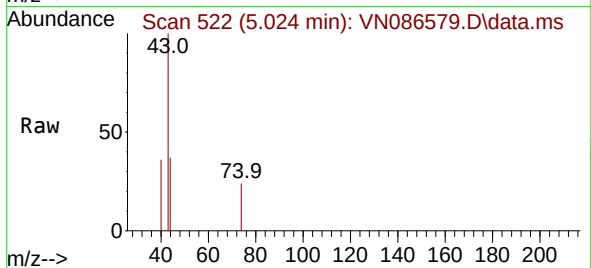




#18
Methyl Acetate
Concen: 0.942 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086579.D
Acq: 12 May 2025 14:28

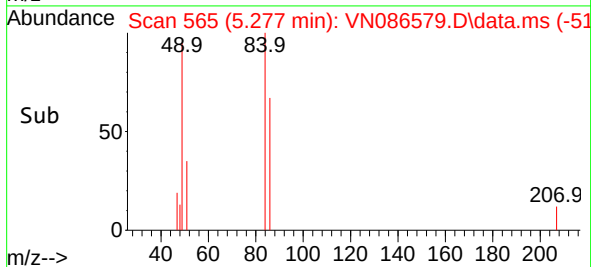
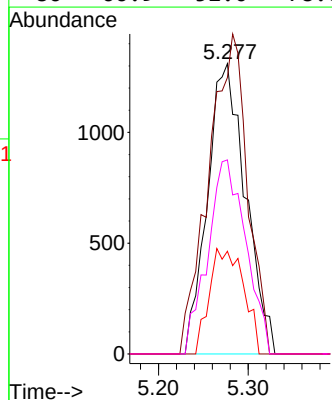
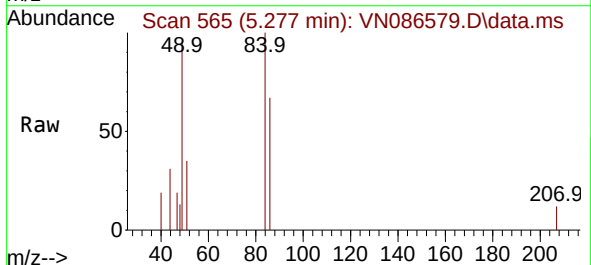
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#04

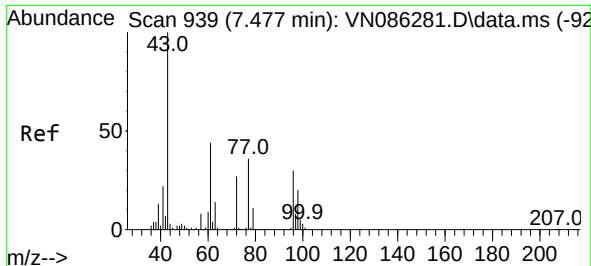
Tgt Ion: 43 Resp: 2660
Ion Ratio Lower Upper
43 100
74 7.8 19.8 29.6#



#20
Methylene Chloride
Concen: 1.776 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086579.D
Acq: 12 May 2025 14:28

Tgt Ion: 84 Resp: 3861
Ion Ratio Lower Upper
84 100
49 95.2 98.2 147.2#
51 35.4 29.8 44.6
86 66.9 52.0 78.0

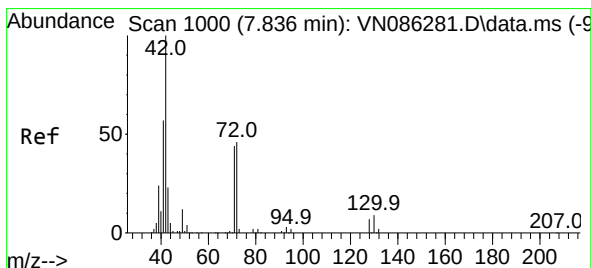
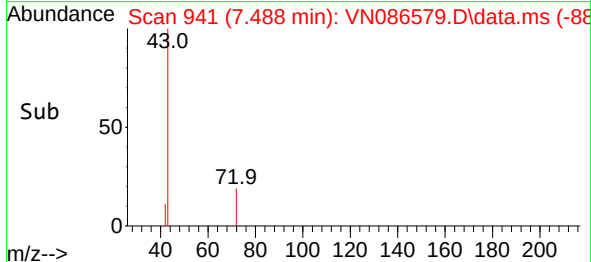
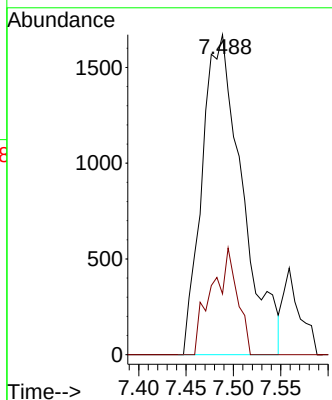
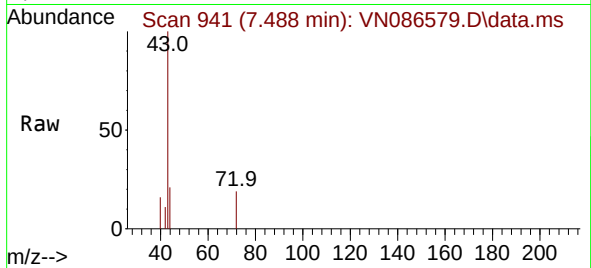




#25
2-Butanone
Concen: 3.353 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN086579.D
Acq: 12 May 2025 14:28

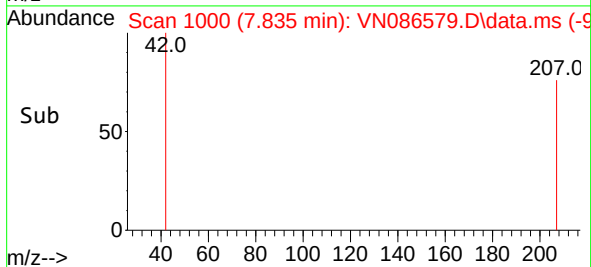
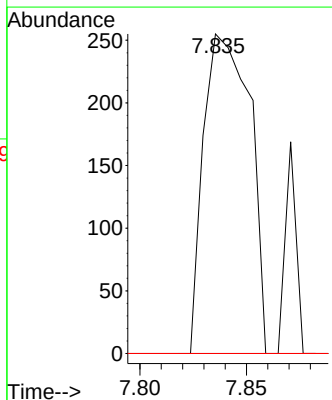
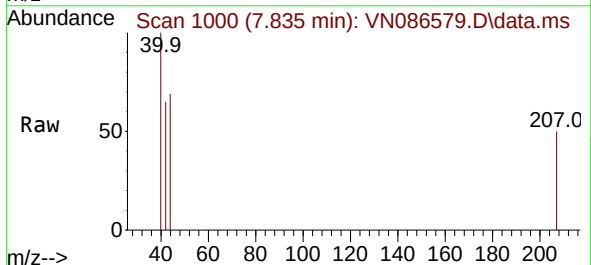
Instrument :
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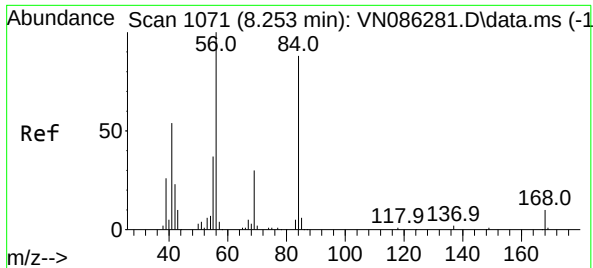
Tgt Ion: 43 Resp: 4909
Ion Ratio Lower Upper
43 100
72 19.0 21.7 32.5#



#29
Tetrahydrofuran
Concen: 0.394 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VN086579.D
Acq: 12 May 2025 14:28

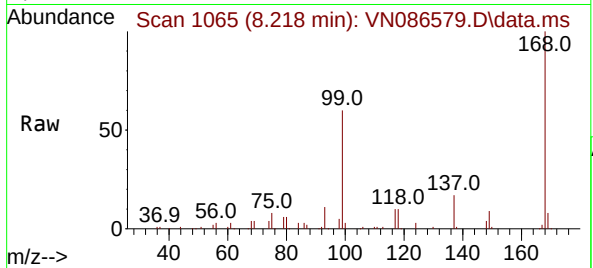
Tgt Ion: 42 Resp: 386
Ion Ratio Lower Upper
42 100
72 0.0 36.2 54.4#
71 0.0 34.0 51.0#



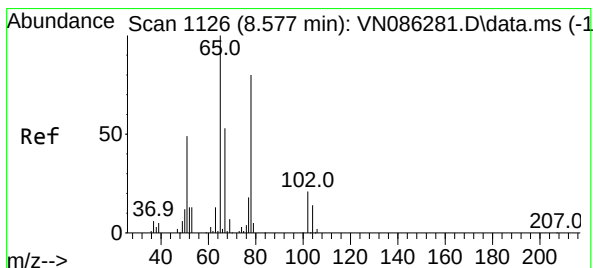
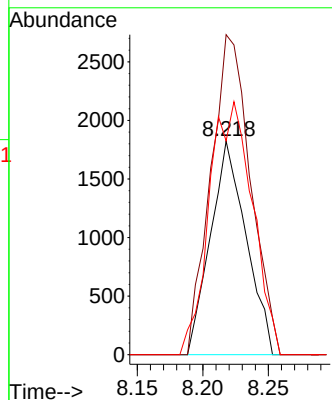
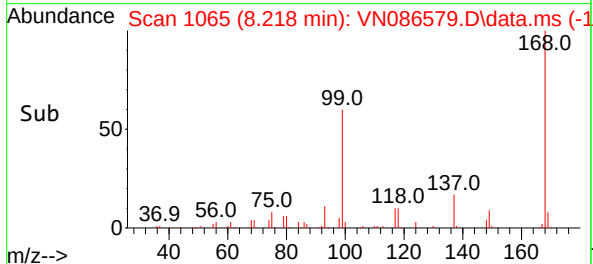


#31
Cyclohexane
Concen: 0.903 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086579.D
Acq: 12 May 2025 14:28

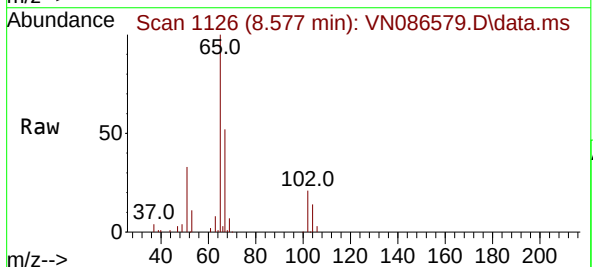
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#04



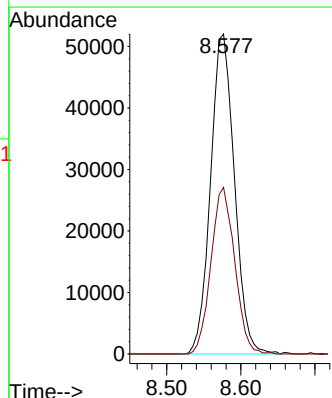
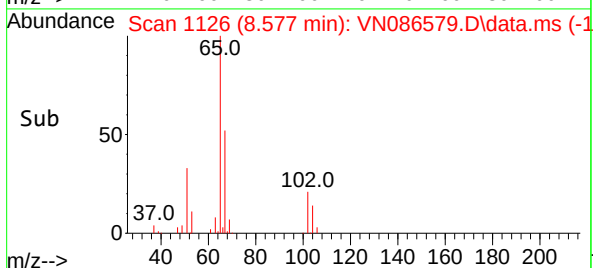
Tgt Ion: 56 Resp: 3441
Ion Ratio Lower Upper
56 100
69 149.9 24.2 36.2#
84 100.1 70.3 105.5

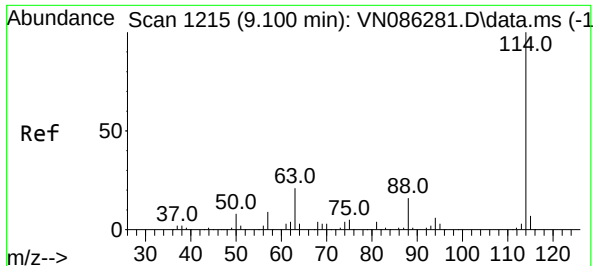


#33
1,2-Dichloroethane-d4
Concen: 49.582 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086579.D
Acq: 12 May 2025 14:28



Tgt Ion: 65 Resp: 116625
Ion Ratio Lower Upper
65 100
67 51.6 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086579.D

Acq: 12 May 2025 14:28

Instrument :

MSVOA_N

ClientSampleId :

PB167932ZHE#04

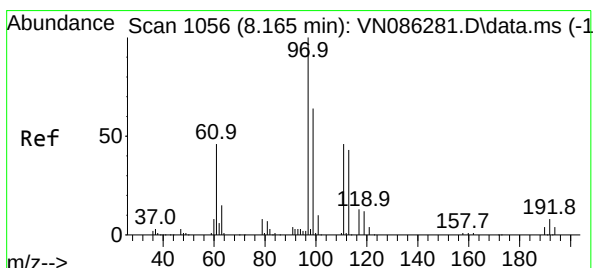
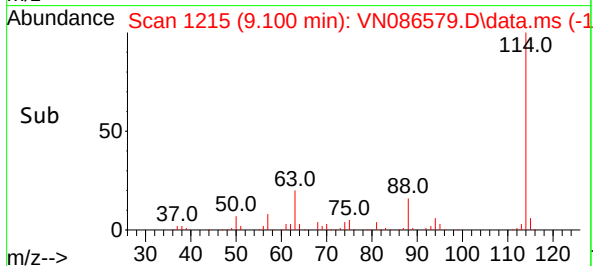
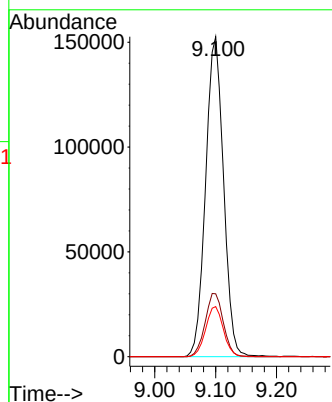
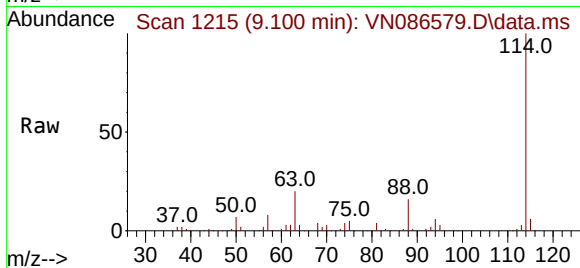
Tgt Ion:114 Resp: 311654

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.6

88 15.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 62.954 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086579.D

Acq: 12 May 2025 14:28

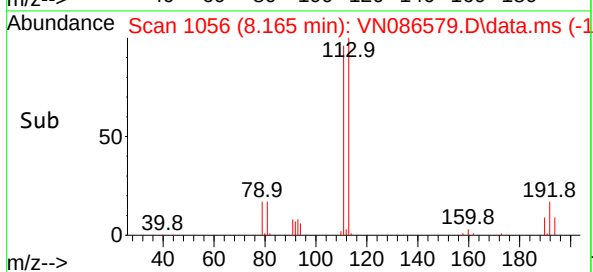
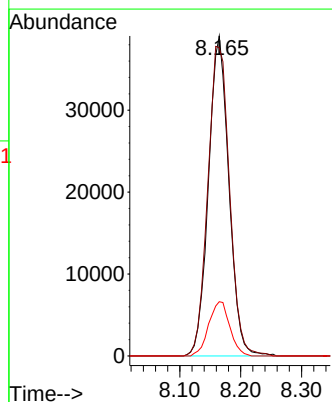
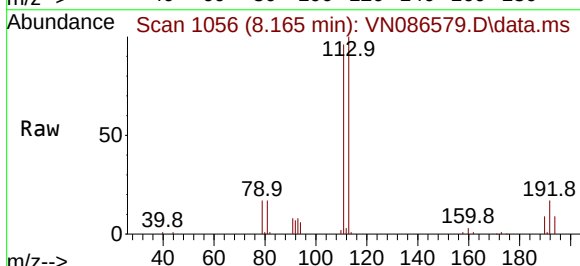
Tgt Ion:113 Resp: 91059

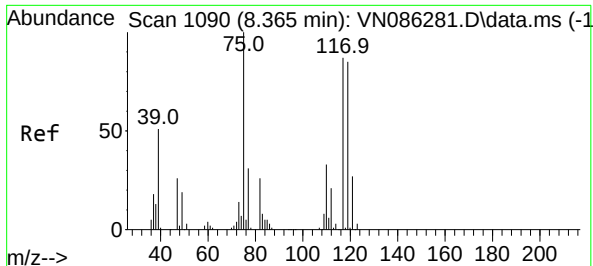
Ion Ratio Lower Upper

113 100

111 103.2 83.4 125.0

192 17.5 13.7 20.5

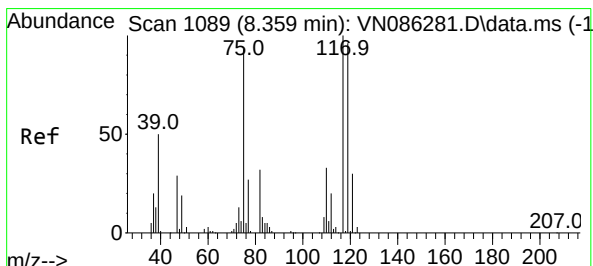
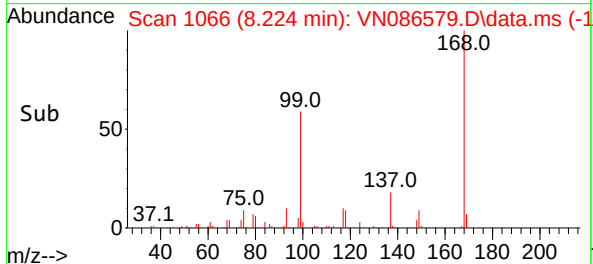
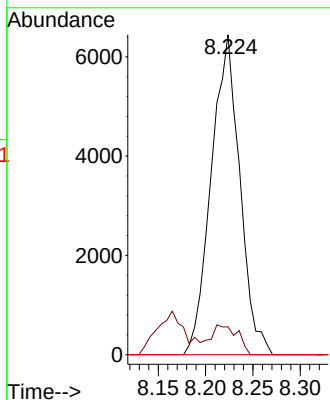
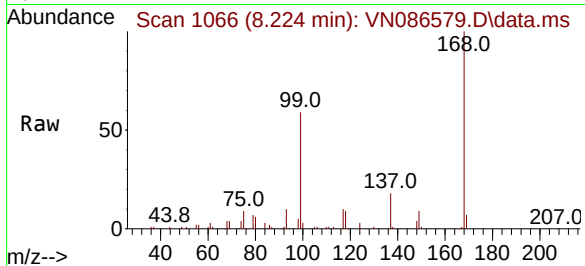




#36
 1,1-Dichloropropene
 Concen: 4.695 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.141 min
 Lab File: VN086579.D
 Acq: 12 May 2025 14:28

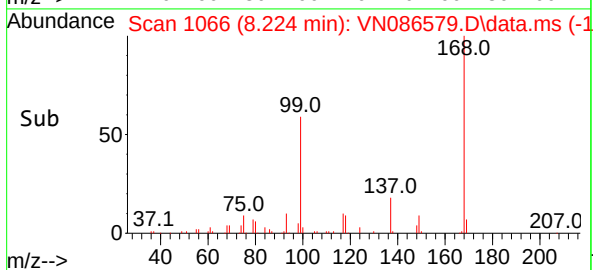
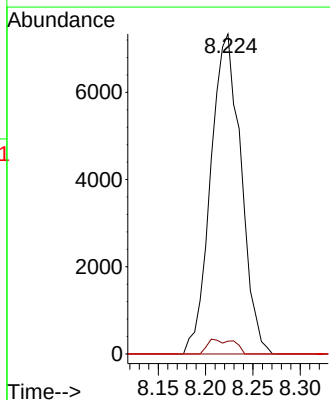
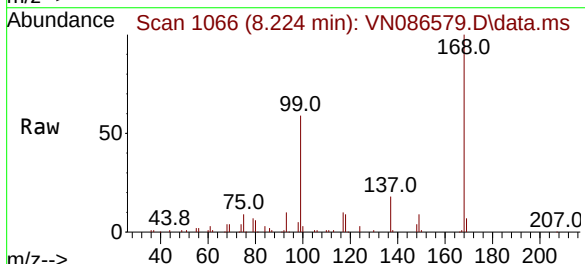
Instrument :
 MSVOA_N
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 PB167932ZHE#04

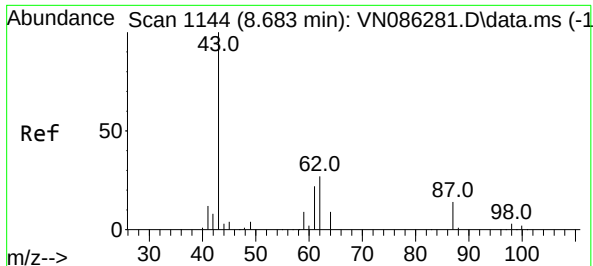
Tgt Ion: 75 Resp: 13565
 Ion Ratio Lower Upper
 75 100
 110 8.8 16.8 50.4#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 5.940 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.135 min
 Lab File: VN086579.D
 Acq: 12 May 2025 14:28

Tgt Ion: 117 Resp: 16342
 Ion Ratio Lower Upper
 117 100
 119 4.0 76.8 115.2#
 121 0.0 23.8 35.8#





#43

Isopropyl Acetate

Concen: 3.183 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.005 min

Lab File: VN086579.D

Acq: 12 May 2025 14:28

Instrument :

MSVOA_N

ClientSampleId :

PB167932ZHE#04

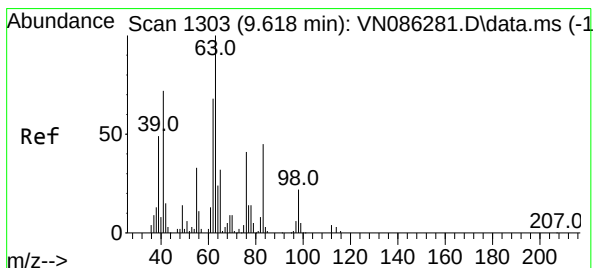
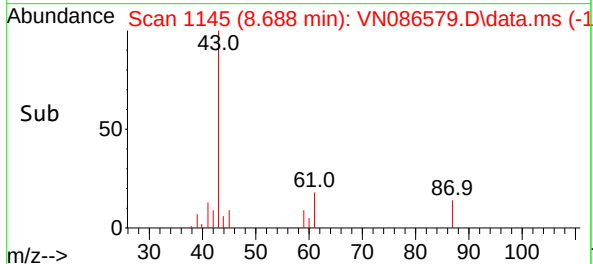
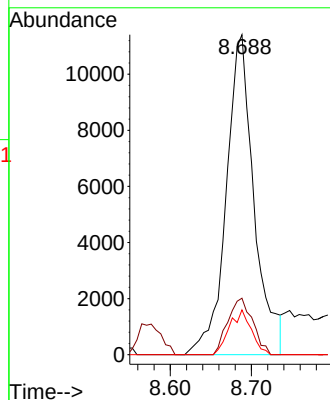
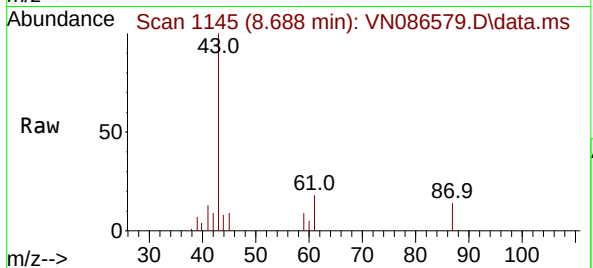
Tgt Ion: 43 Resp: 27231

Ion Ratio Lower Upper

43 100

61 15.8 20.5 30.7#

87 11.0 10.5 15.7



#45

1,2-Dichloropropane

Concen: 0.410 ug/l

RT: 9.729 min Scan# 1322

Delta R.T. 0.112 min

Lab File: VN086579.D

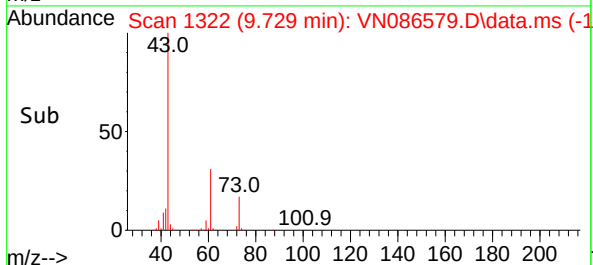
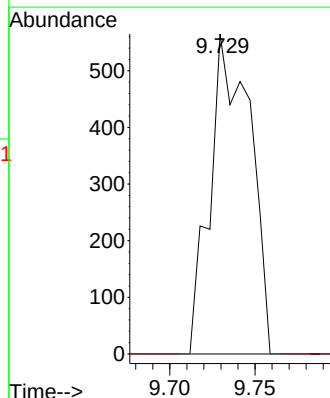
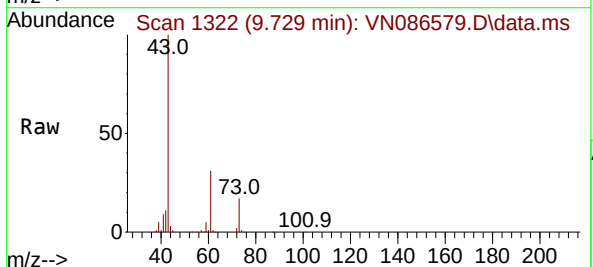
Acq: 12 May 2025 14:28

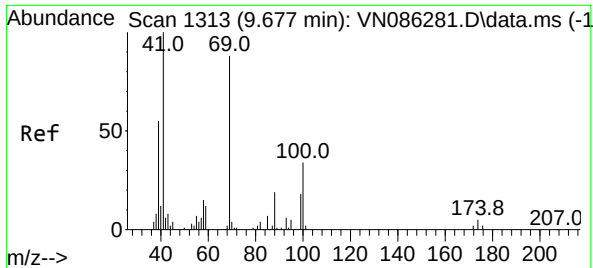
Tgt Ion: 63 Resp: 928

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.2#

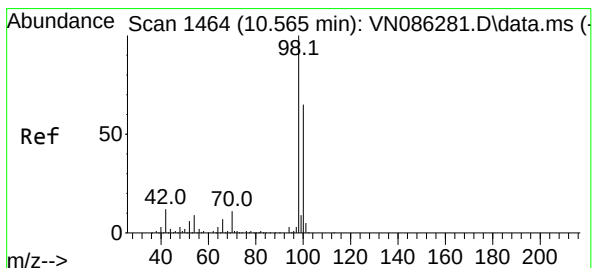
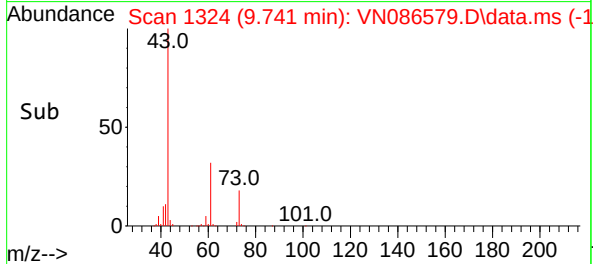
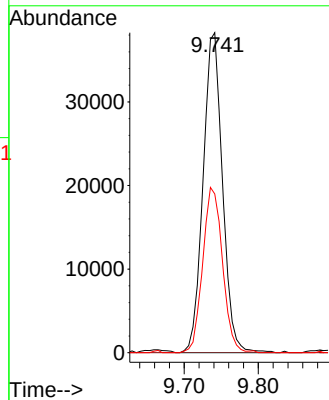
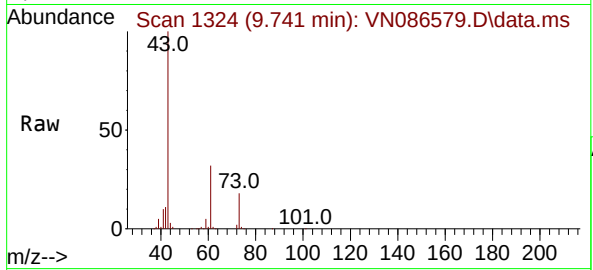




#48
Methyl methacrylate
Concen: 26.081 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN086579.D
Acq: 12 May 2025 14:28

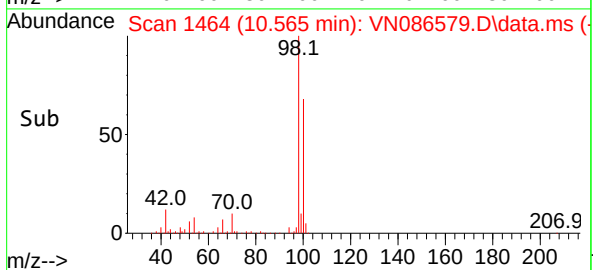
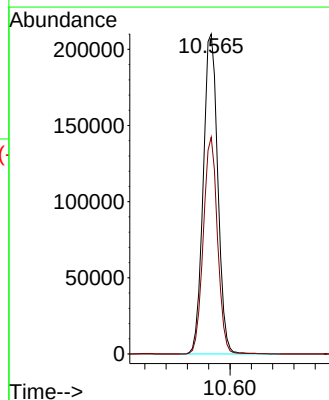
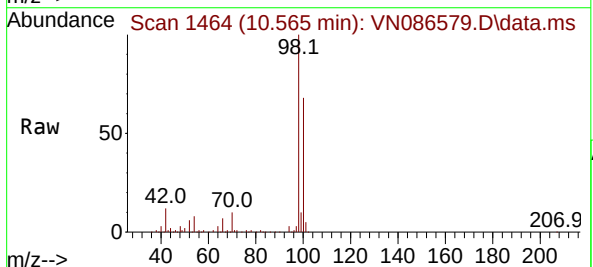
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#04

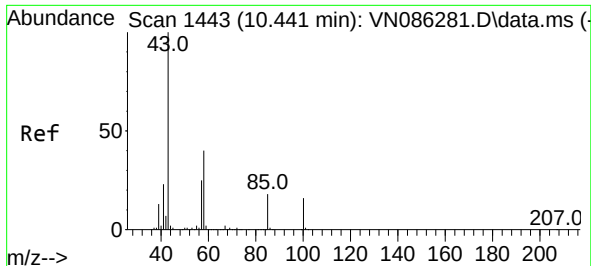
Tgt Ion: 41 Resp: 69662
Ion Ratio Lower Upper
41 100
69 0.0 68.2 102.2#
39 52.7 45.2 67.8



#50
Toluene-d8
Concen: 51.418 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086579.D
Acq: 12 May 2025 14:28

Tgt Ion: 98 Resp: 397478
Ion Ratio Lower Upper
98 100
100 66.0 52.5 78.7

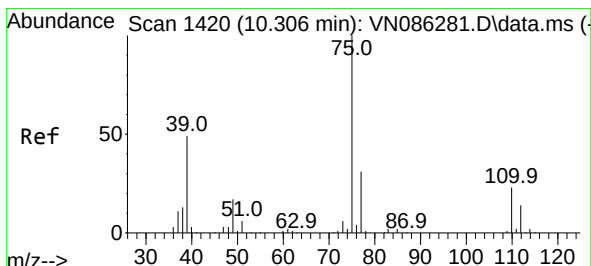
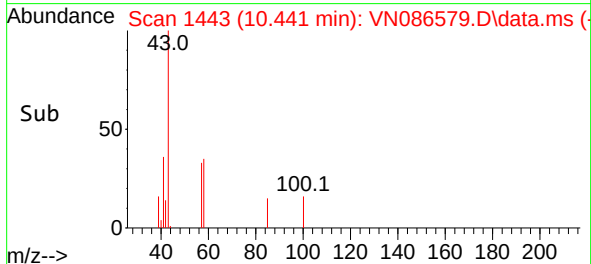
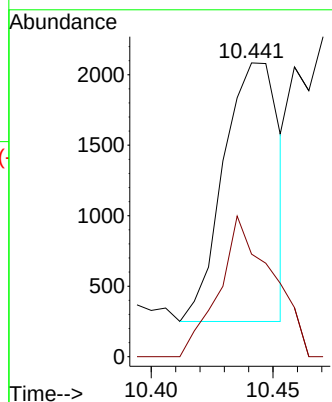
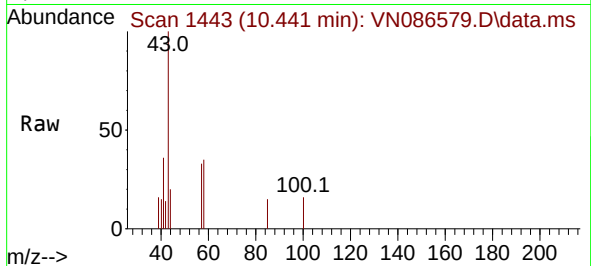




#51
4-Methyl-2-Pentanone
Concen: 0.934 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086579.D
Acq: 12 May 2025 14:28

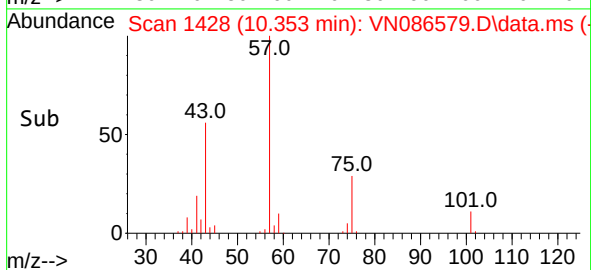
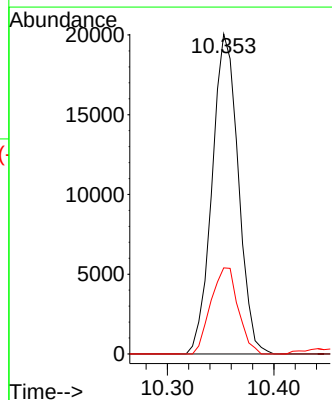
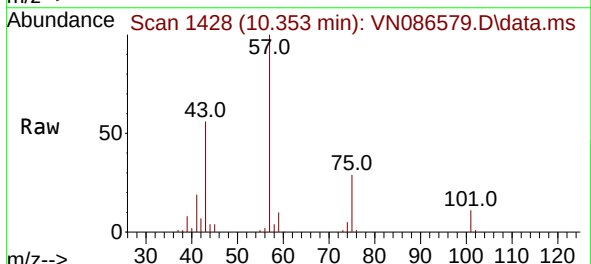
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#04

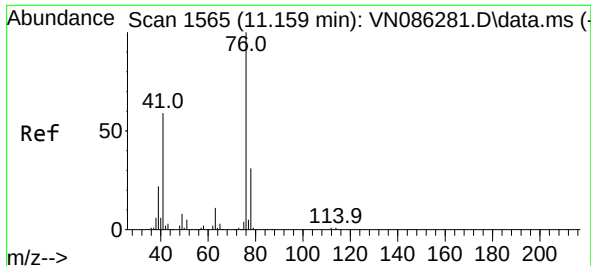
Tgt Ion: 43 Resp: 2910
Ion Ratio Lower Upper
43 100
58 51.8 32.2 48.4#



#54
cis-1,3-Dichloropropene
Concen: 8.960 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN086579.D
Acq: 12 May 2025 14:28

Tgt Ion: 75 Resp: 34252
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#
39 26.9 39.3 58.9#





#57

1,3-Dichloropropane

Concen: 0.822 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN086579.D

Acq: 12 May 2025 14:28

Instrument :

MSVOA_N

ClientSampleId :

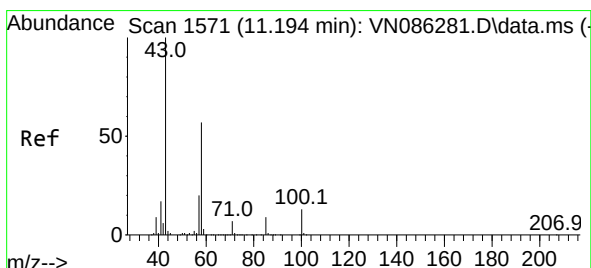
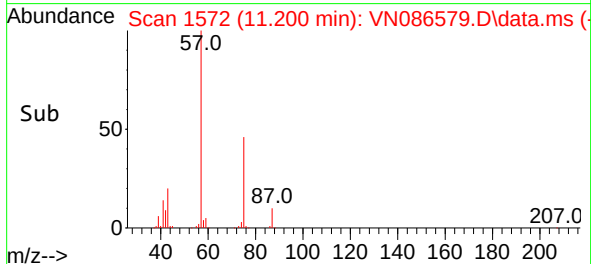
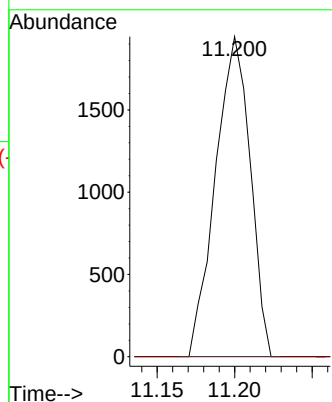
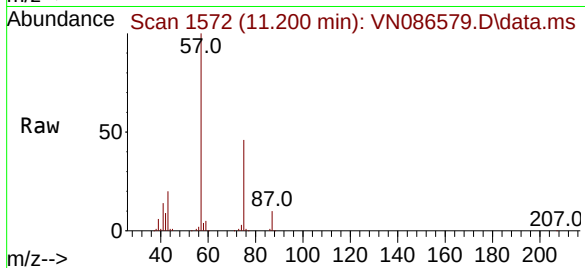
PB167932ZHE#04

Tgt Ion: 76 Resp: 3032

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 24.165 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN086579.D

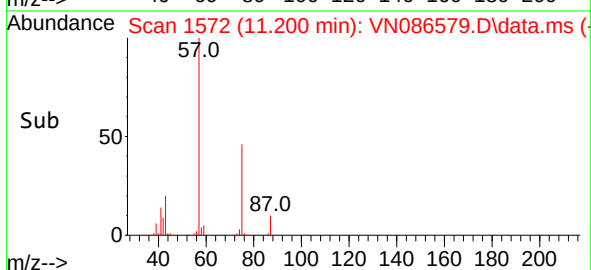
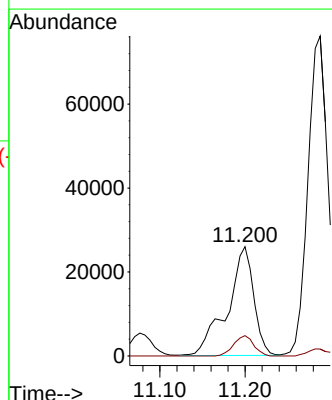
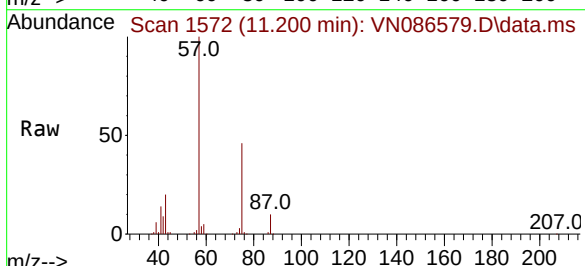
Acq: 12 May 2025 14:28

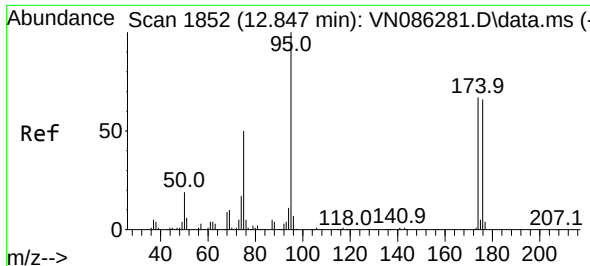
Tgt Ion: 43 Resp: 55824

Ion Ratio Lower Upper

43 100

58 14.1 28.3 85.0#

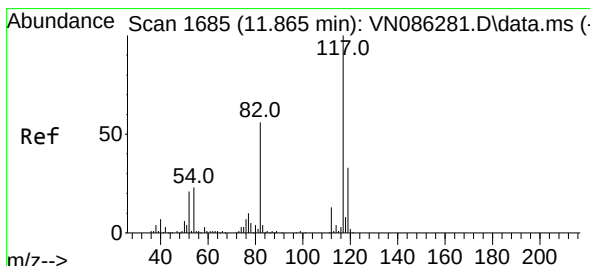
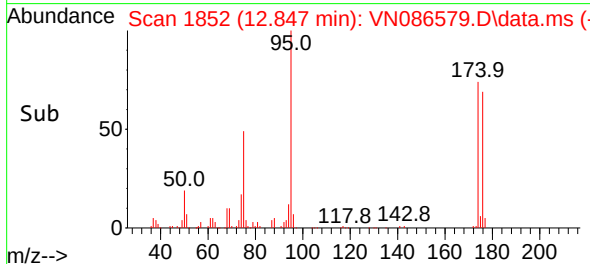
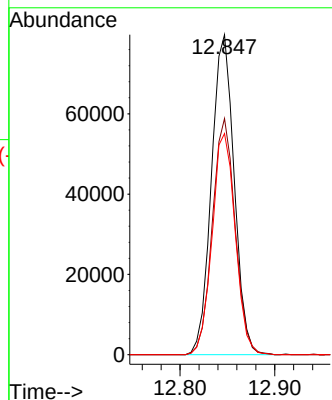
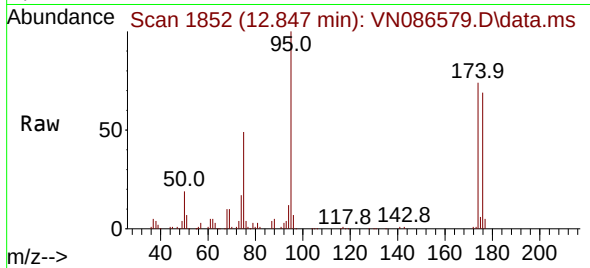




#62
4-Bromofluorobenzene
Concen: 47.033 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086579.D
Acq: 12 May 2025 14:28

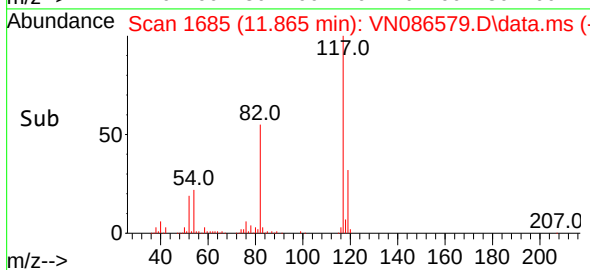
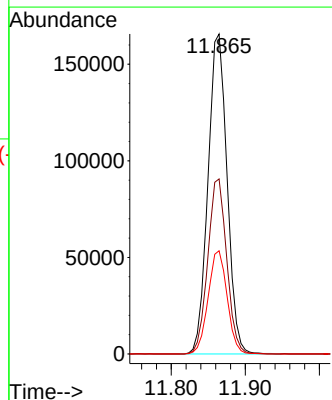
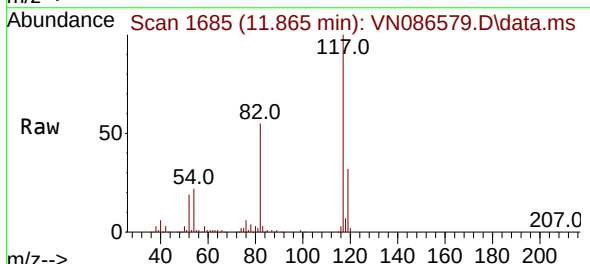
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#04

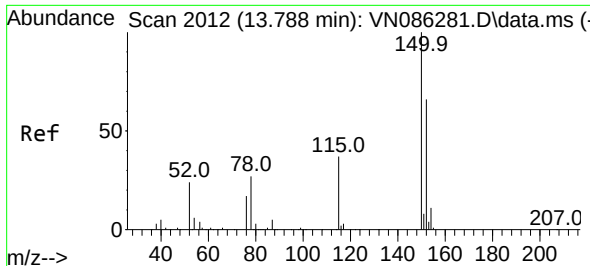
Tgt Ion: 95 Resp: 132614
Ion Ratio Lower Upper
95 100
174 74.2 0.0 133.4
176 70.5 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086579.D
Acq: 12 May 2025 14:28

Tgt Ion: 117 Resp: 296140
Ion Ratio Lower Upper
117 100
82 54.7 44.7 67.1
119 32.3 26.4 39.6

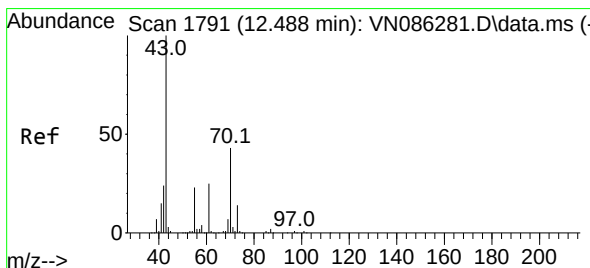
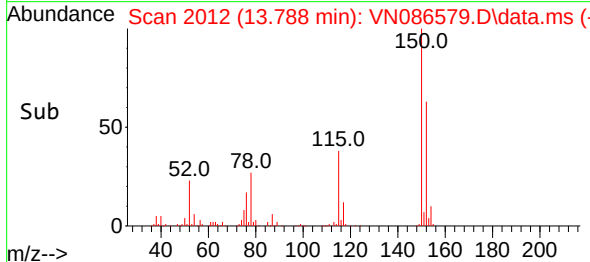
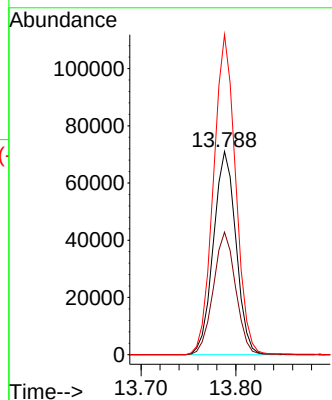
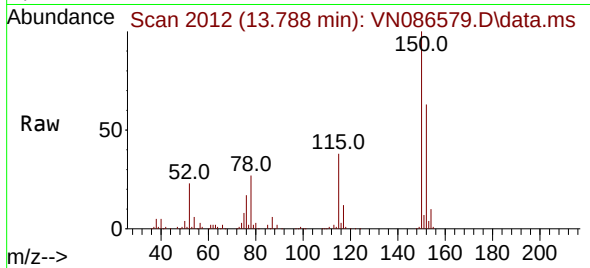




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086579.D
Acq: 12 May 2025 14:28

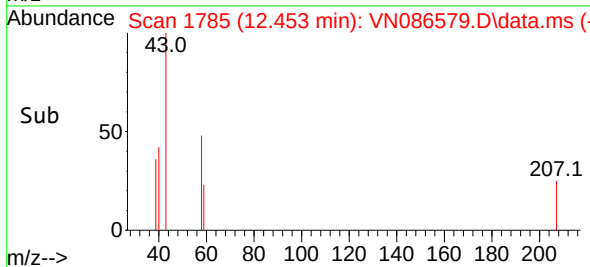
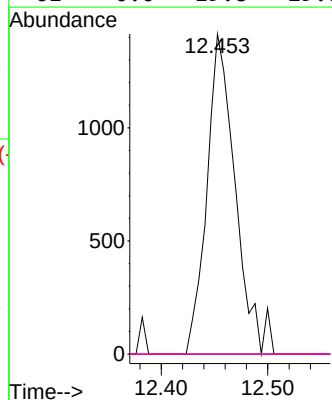
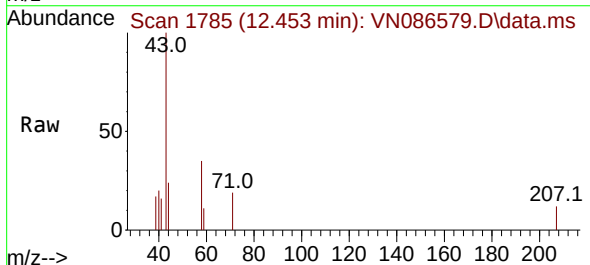
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#04

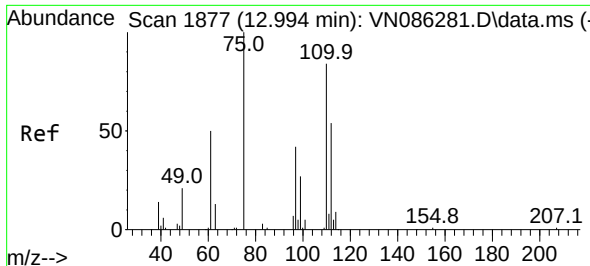
Tgt Ion:152 Resp: 117337
Ion Ratio Lower Upper
152 100
115 59.8 31.9 95.9
150 155.1 0.0 352.0



#74
N-ethyl acetate
Concen: 0.550 ug/l
RT: 12.453 min Scan# 1785
Delta R.T. -0.035 min
Lab File: VN086579.D
Acq: 12 May 2025 14:28

Tgt Ion: 43 Resp: 2629
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#

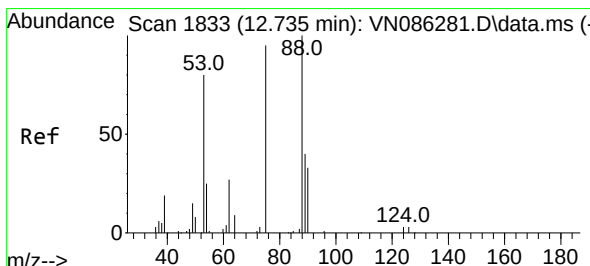
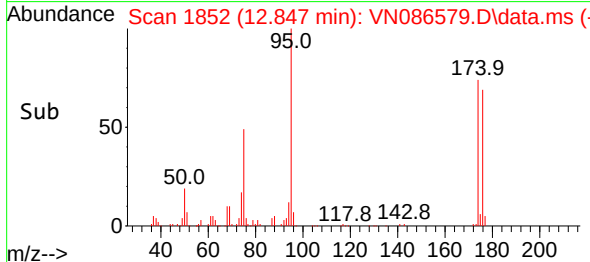
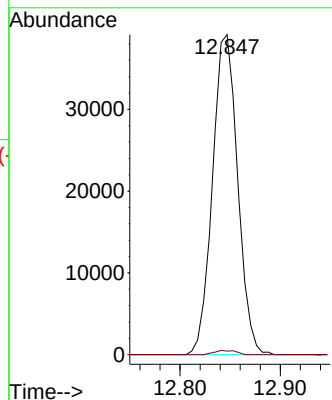
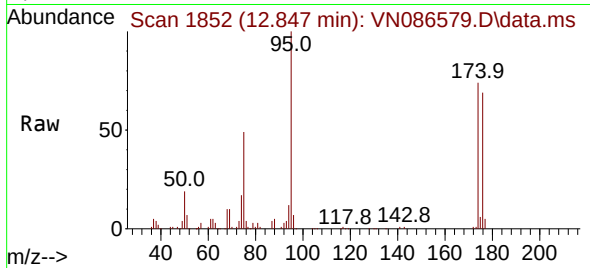




#76
1,2,3-Trichloropropane
Concen: 24.584 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086579.D
Acq: 12 May 2025 14:28

Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#04

Tgt Ion: 75 Resp: 68073
Ion Ratio Lower Upper
75 100
77 1.1 98.8 296.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.042 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086579.D
Acq: 12 May 2025 14:28

Tgt Ion: 75 Resp: 68073
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#

