

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051525\
 Data File : VN086641.D
 Acq On : 15 May 2025 13:35
 Operator : JC\MD
 Sample : PB167995ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167995ZHE#03

Quant Time: May 16 05:26:31 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)

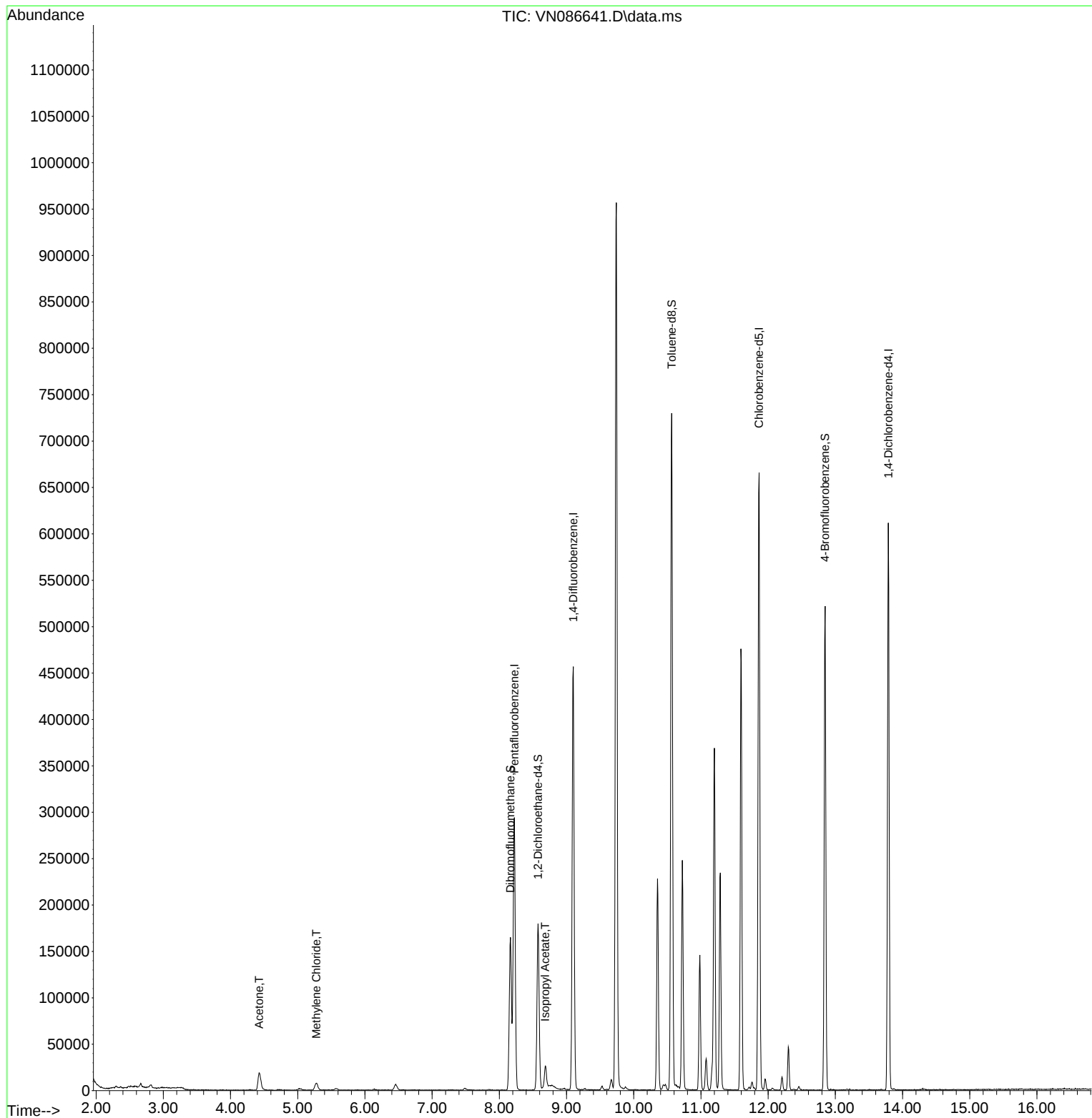
Internal Standards						
1) Pentafluorobenzene	8.224	168	220660	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	417010	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	408457	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	172452	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	148974	46.558	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.120%		
35) Dibromofluoromethane	8.165	113	121771	62.918	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	125.840%#		
50) Toluene-d8	10.565	98	534230	51.648	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.300%		
62) 4-Bromofluorobenzene	12.847	95	194491	51.551	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	103.100%		
Target Compounds						
16) Acetone	4.424	43	37537	28.883	ug/l	99
20) Methylene Chloride	5.277	84	6563	2.219	ug/l	85
43) Isopropyl Acetate	8.683	43	33623	2.792	ug/l #	87

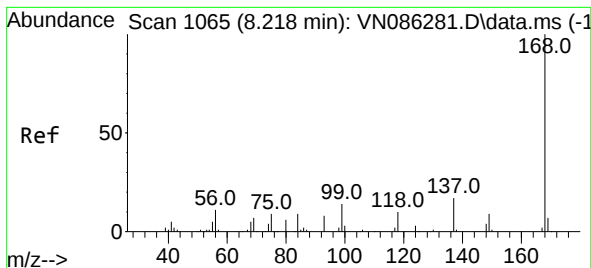
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN086641.D

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Instrument :

MSVOA_N

ClientSampleId :

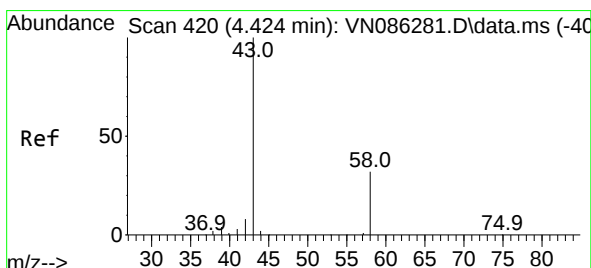
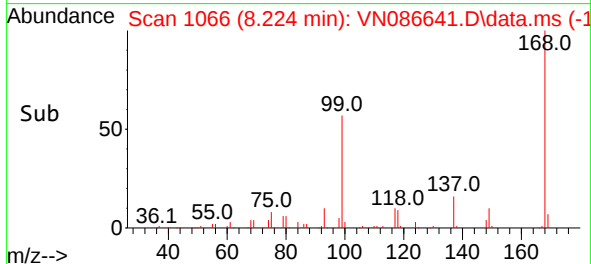
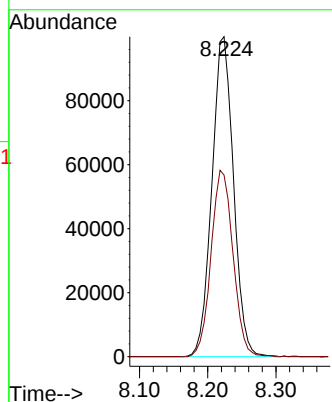
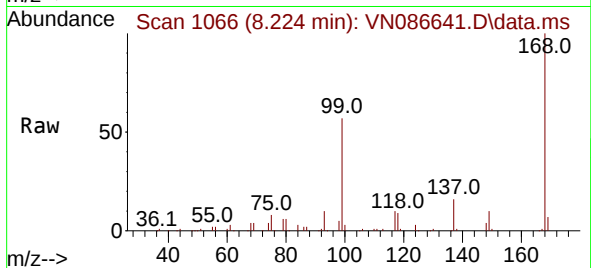
PB167995ZHE#03

Tgt Ion:168 Resp: 220660

Ion Ratio Lower Upper

168 100

99 56.7 52.5 78.7



#16

Acetone

Concen: 28.883 ug/l

RT: 4.424 min Scan# 420

Delta R.T. 0.000 min

Lab File: VN086641.D

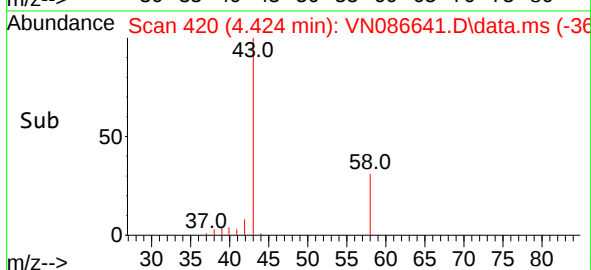
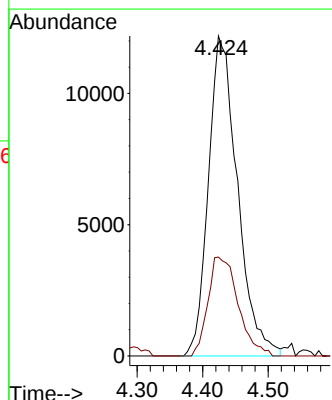
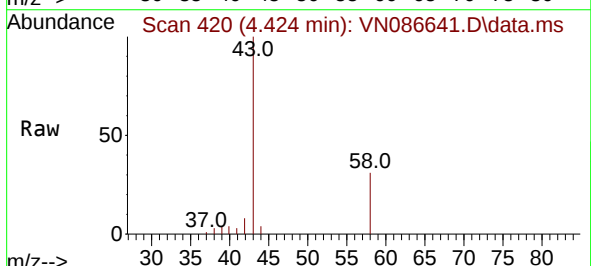
Acq: 15 May 2025 13:35

Tgt Ion: 43 Resp: 37537

Ion Ratio Lower Upper

43 100

58 30.9 25.3 37.9

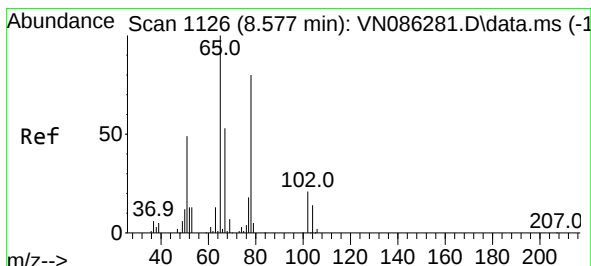
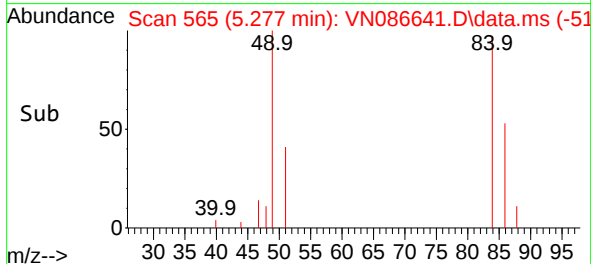
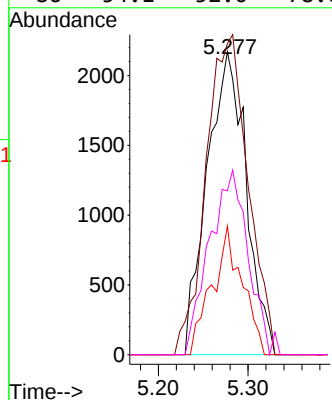
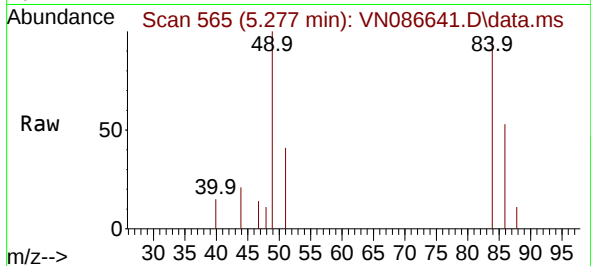




#20
Methylene Chloride
Concen: 2.219 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086641.D
Acq: 15 May 2025 13:35

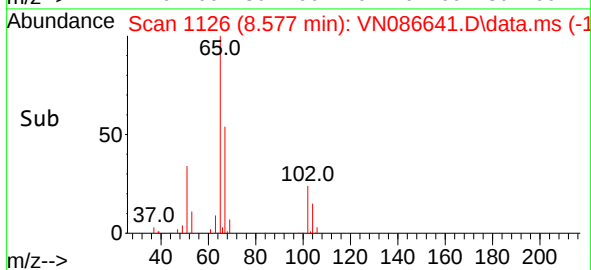
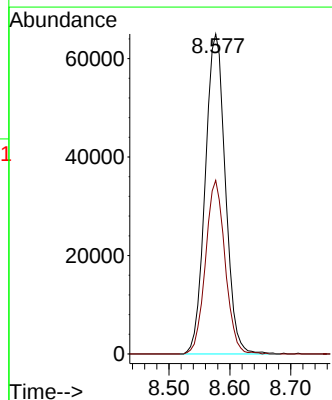
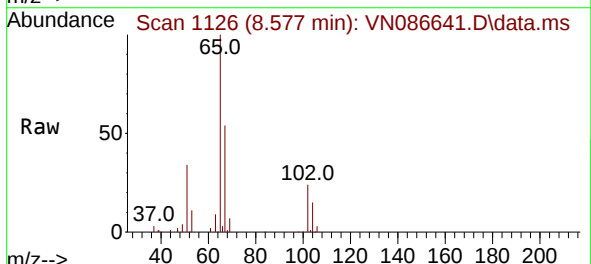
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#03

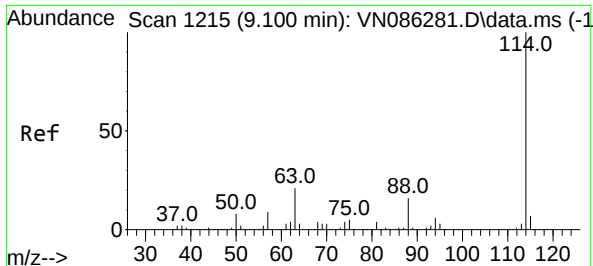
Tgt Ion: 84	Resp: 6563
Ion Ratio	Lower Upper
84 100	
49 102.7	98.2 147.2
51 42.5	29.8 44.6
86 54.1	52.0 78.0



#33
1,2-Dichloroethane-d4
Concen: 46.558 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086641.D
Acq: 15 May 2025 13:35

Tgt Ion: 65	Resp: 148974
Ion Ratio	Lower Upper
65 100	
67 52.9	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: VN086641.D

Acq: 15 May 2025 13:35

Instrument :

MSVOA_N

ClientSampleId :

PB167995ZHE#03

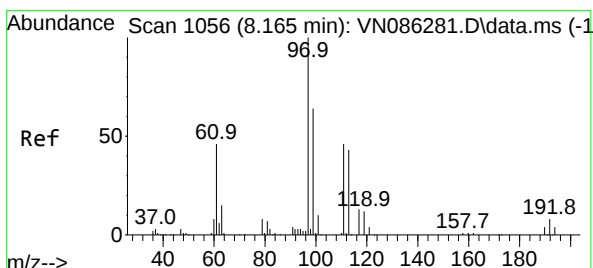
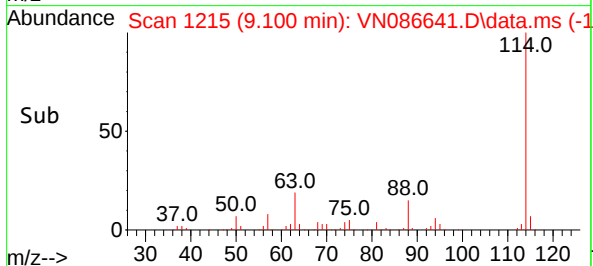
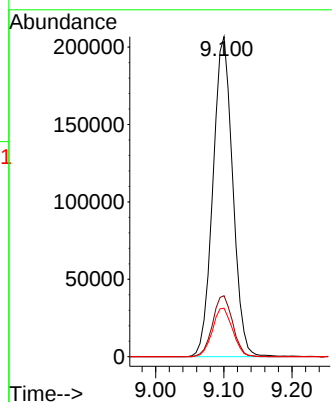
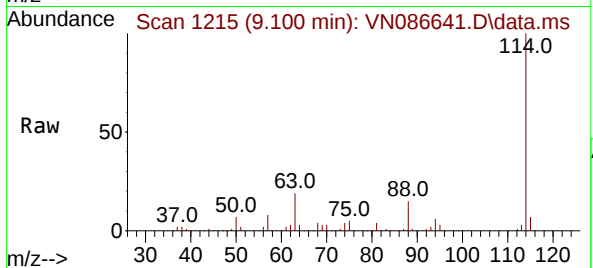
Tgt Ion:114 Resp: 417010

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.6

88 15.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 62.918 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086641.D

Acq: 15 May 2025 13:35

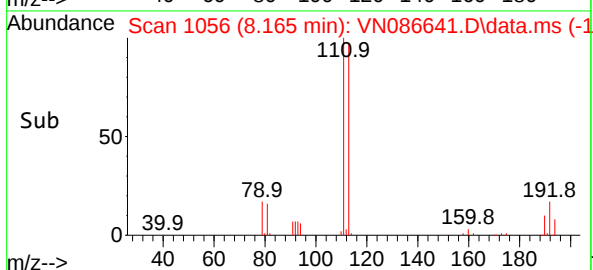
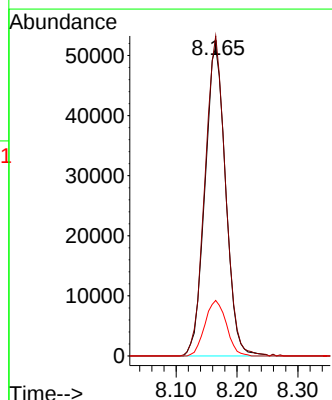
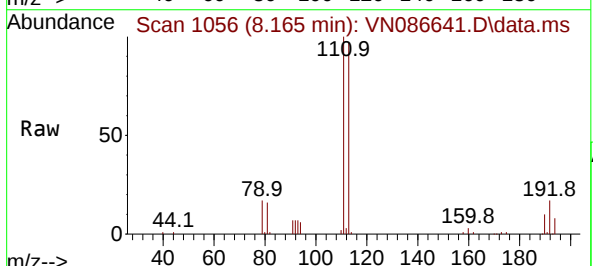
Tgt Ion:113 Resp: 121771

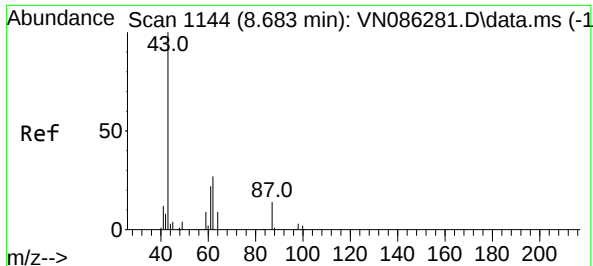
Ion Ratio Lower Upper

113 100

111 102.1 83.4 125.0

192 18.5 13.7 20.5

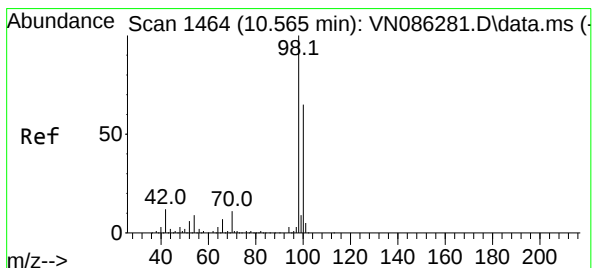
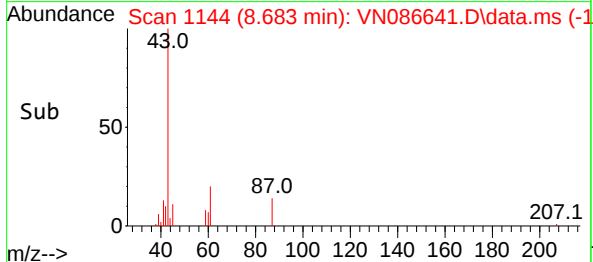
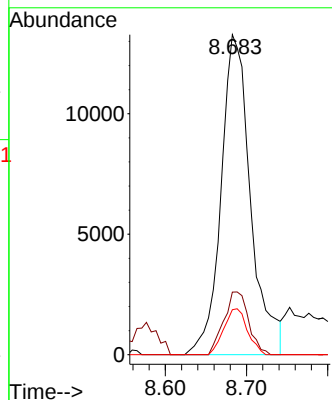
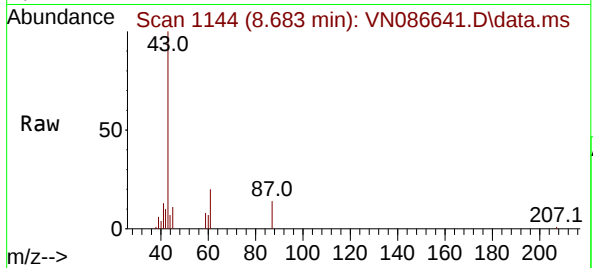




#43
Isopropyl Acetate
Concen: 2.792 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN086641.D
Acq: 15 May 2025 13:35

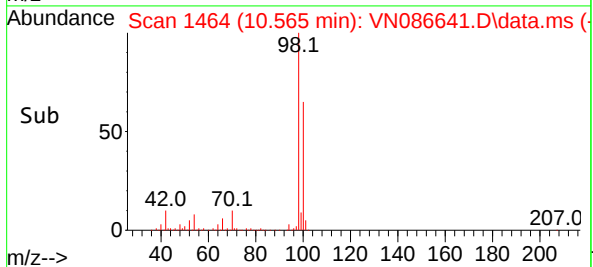
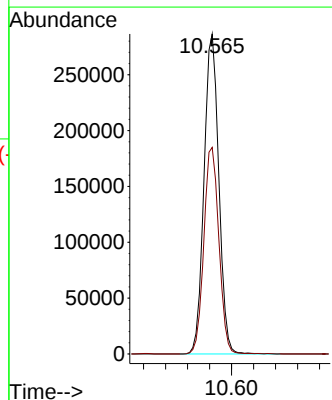
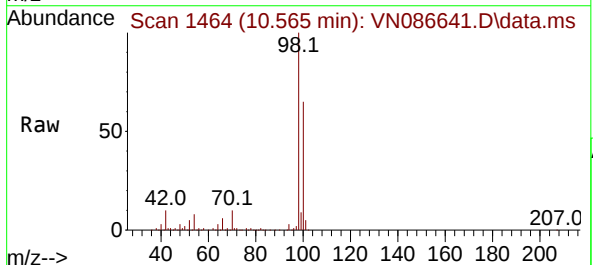
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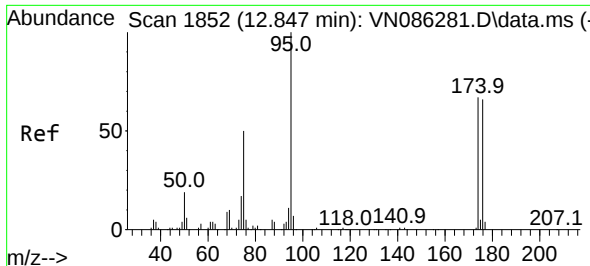
Tgt Ion: 43 Resp: 33623
Ion Ratio Lower Upper
43 100
61 16.4 20.5 30.7#
87 11.5 10.5 15.7



#50
Toluene-d8
Concen: 51.648 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086641.D
Acq: 15 May 2025 13:35

Tgt Ion: 98 Resp: 534230
Ion Ratio Lower Upper
98 100
100 65.8 52.5 78.7

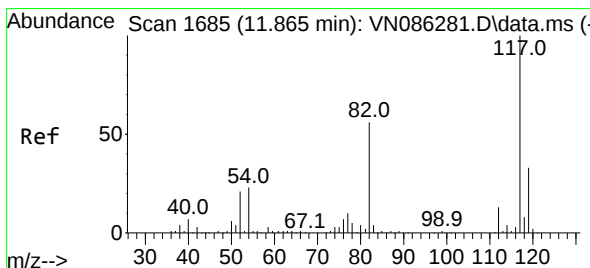
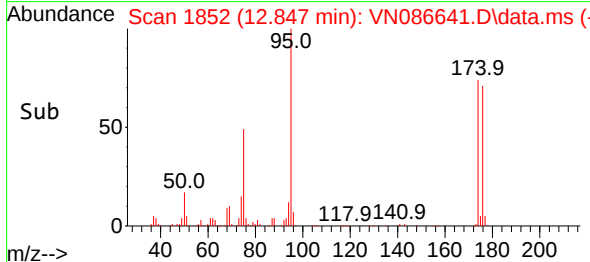
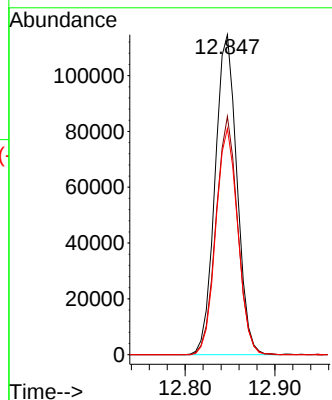
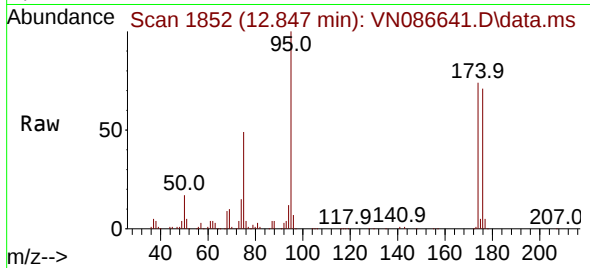




#62
4-Bromofluorobenzene
Concen: 51.551 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086641.D
Acq: 15 May 2025 13:35

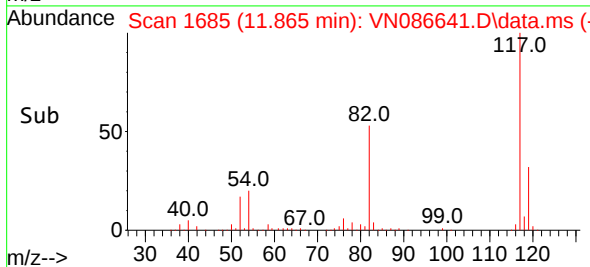
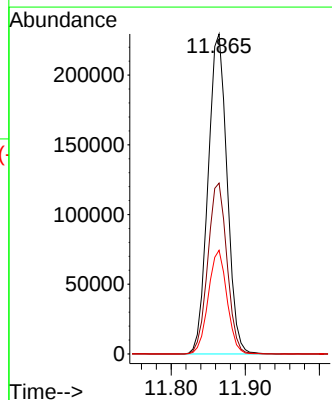
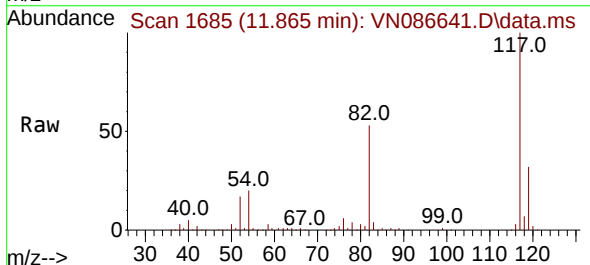
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PB167995ZHE#03

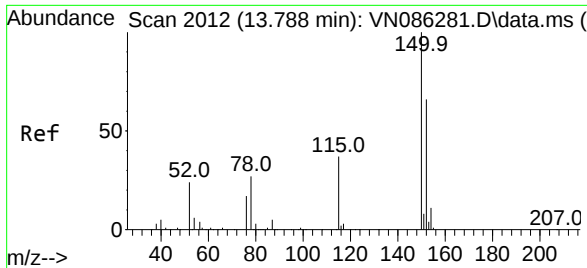
Tgt Ion: 95 Resp: 194491
Ion Ratio Lower Upper
95 100
174 73.5 0.0 133.4
176 70.8 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086641.D
Acq: 15 May 2025 13:35

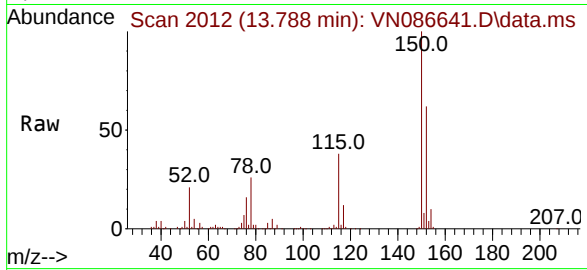
Tgt Ion: 117 Resp: 408457
Ion Ratio Lower Upper
117 100
82 53.4 44.7 67.1
119 32.4 26.4 39.6





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN086641.D
 Acq: 15 May 2025 13:35

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167995ZHE#03



Tgt Ion:152 Resp: 172452
 Ion Ratio Lower Upper
 152 100
 115 60.1 31.9 95.9
 150 158.2 0.0 352.0

