

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN043025\
 Data File : VN086431.D
 Acq On : 30 Apr 2025 13:01
 Operator : JC\MD
 Sample : PB167775ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167775ZHE#01

Quant Time: May 01 01:33:57 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)

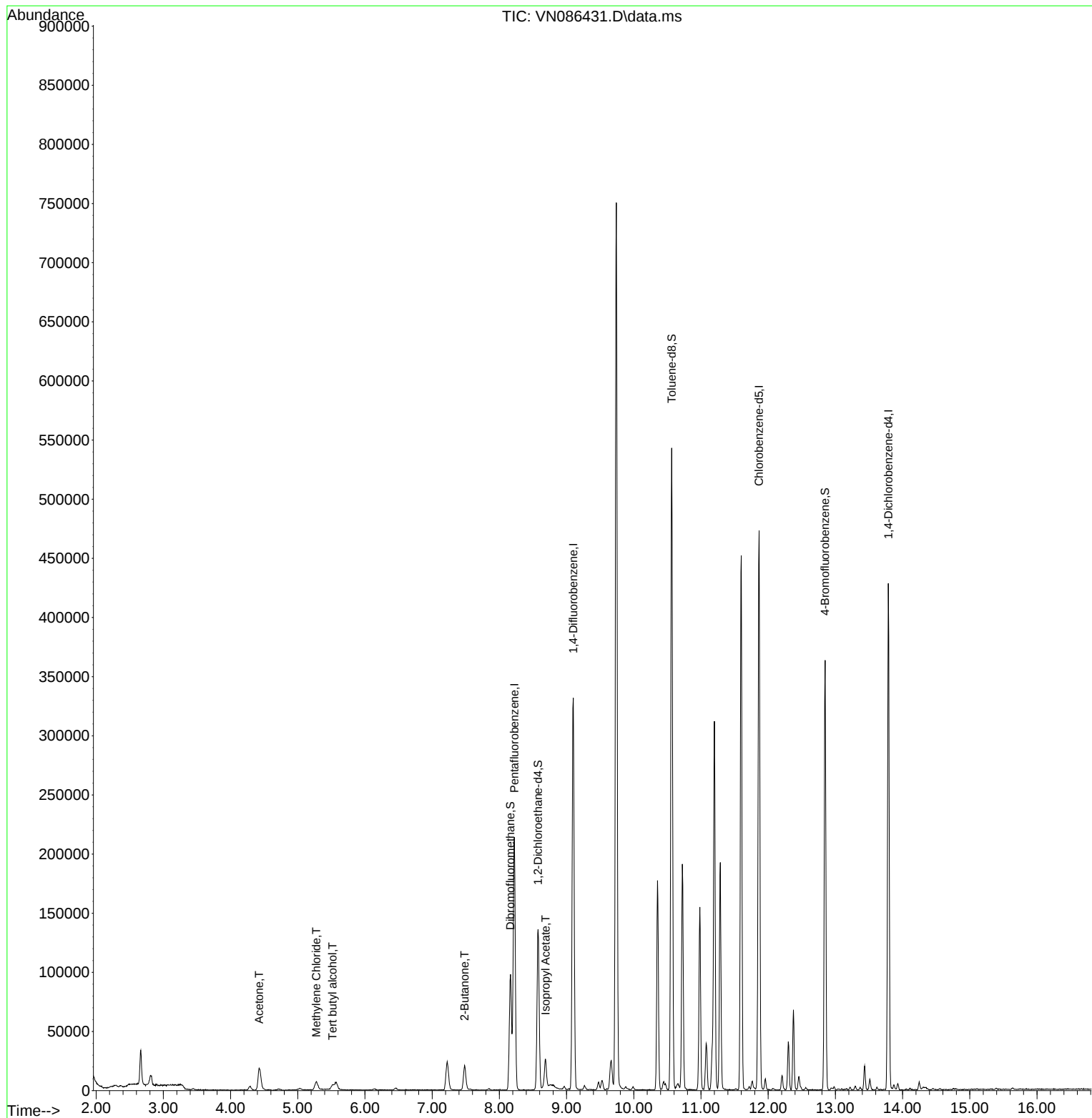
Internal Standards						
1) Pentafluorobenzene	8.224	168	156545	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	297040	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	276776	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	112606	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	114421	50.405	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.800%			
35) Dibromofluoromethane	8.165	113	72460	52.561	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.120%			
50) Toluene-d8	10.565	98	376718	51.130	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.260%			
62) 4-Bromofluorobenzene	12.847	95	129871	48.326	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.660%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.518	59	7445	17.975	ug/l #	94
16) Acetone	4.424	43	37044	42.461	ug/l	96
20) Methylene Chloride	5.277	84	5473	2.608	ug/l	94
25) 2-Butanone	7.483	43	34349	24.310	ug/l	95
43) Isopropyl Acetate	8.688	43	33233	4.605	ug/l #	86

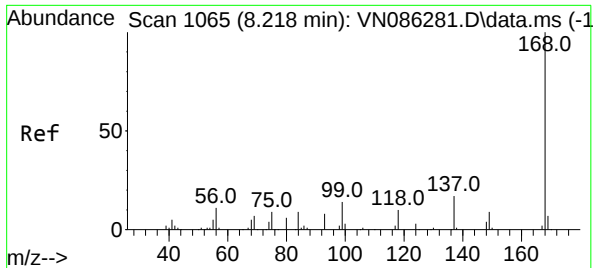
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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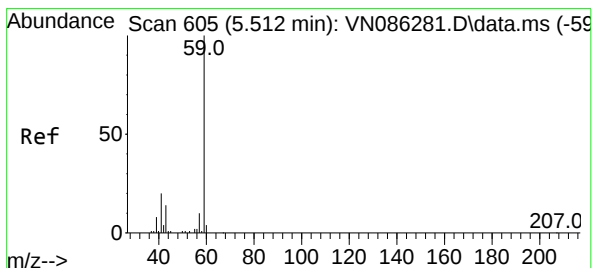
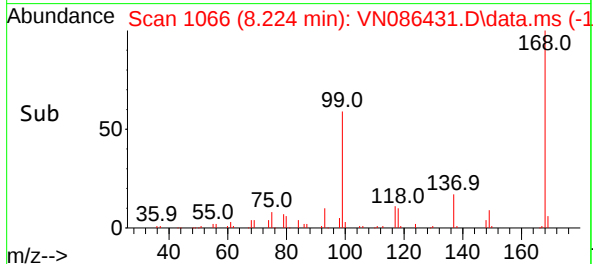
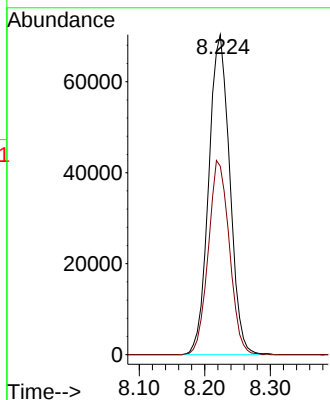
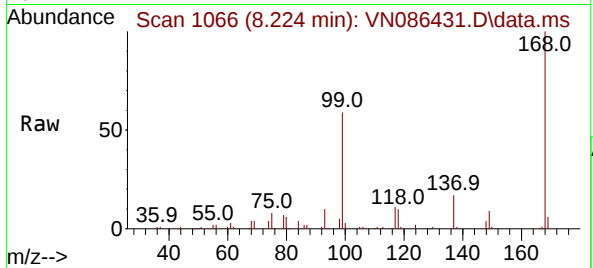




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086431.D
Acq: 30 Apr 2025 13:01

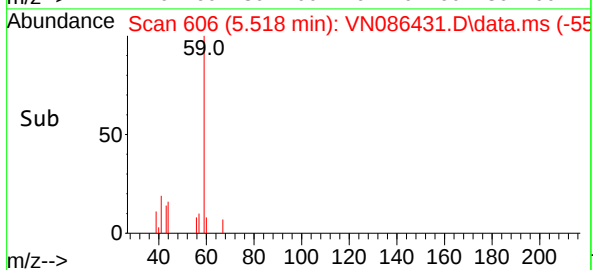
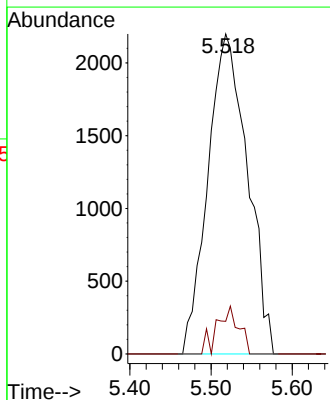
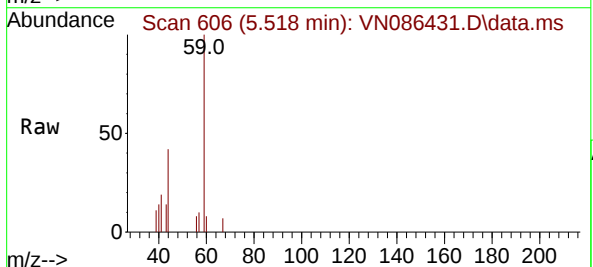
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#01

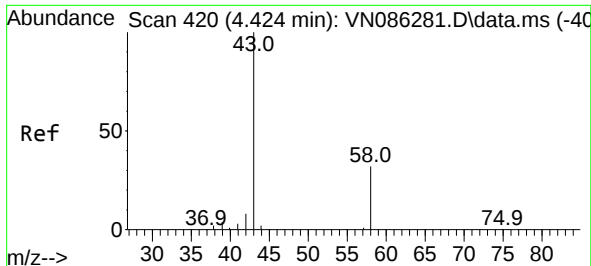
Tgt Ion:168 Resp: 156545
Ion Ratio Lower Upper
168 100
99 58.9 52.5 78.7



#11
Tert butyl alcohol
Concen: 17.975 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN086431.D
Acq: 30 Apr 2025 13:01

Tgt Ion: 59 Resp: 7445
Ion Ratio Lower Upper
59 100
57 8.1 8.3 12.5#

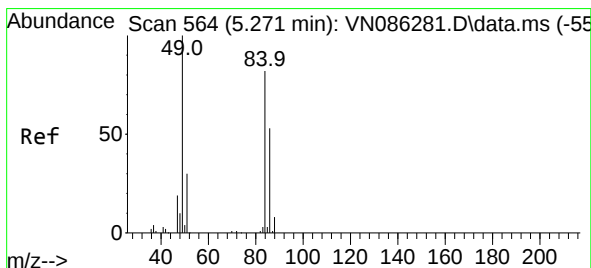
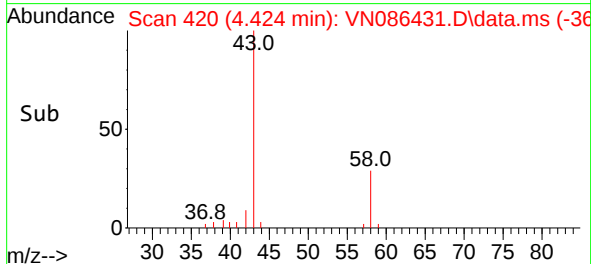
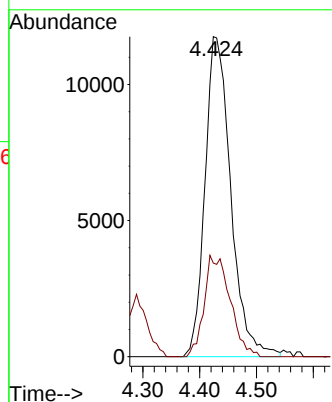
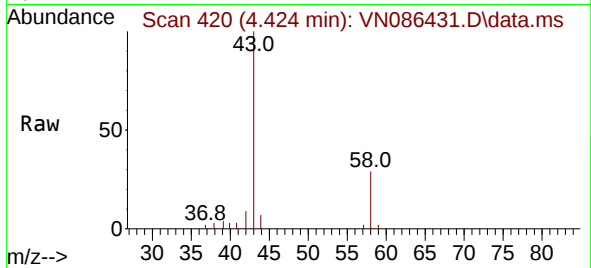




#16
Acetone
Concen: 42.461 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086431.D
Acq: 30 Apr 2025 13:01

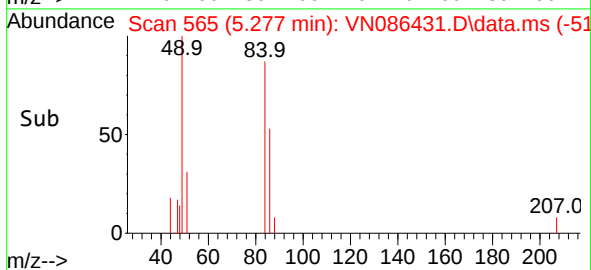
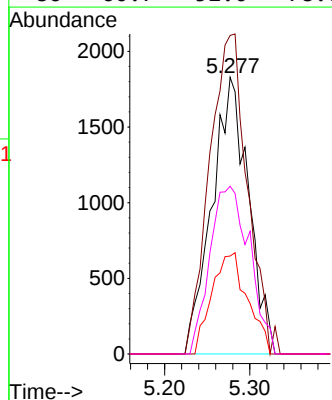
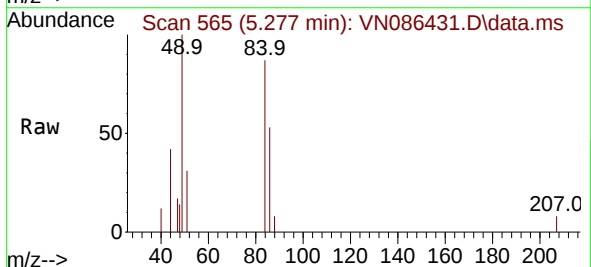
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#01

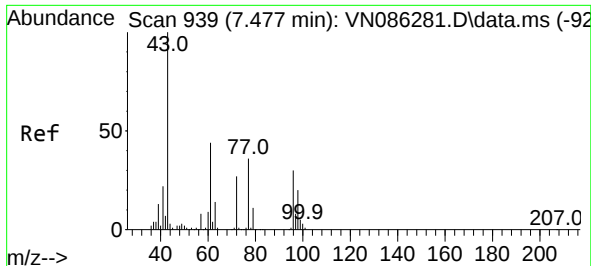
Tgt Ion: 43 Resp: 37044
Ion Ratio Lower Upper
43 100
58 29.3 25.3 37.9



#20
Methylene Chloride
Concen: 2.608 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086431.D
Acq: 30 Apr 2025 13:01

Tgt Ion: 84 Resp: 5473
Ion Ratio Lower Upper
84 100
49 115.2 98.2 147.2
51 35.4 29.8 44.6
86 60.7 52.0 78.0

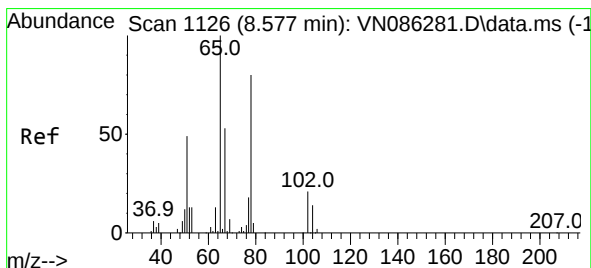
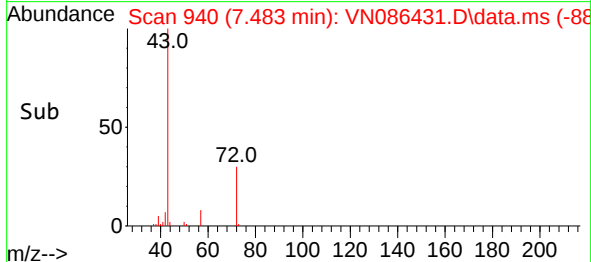
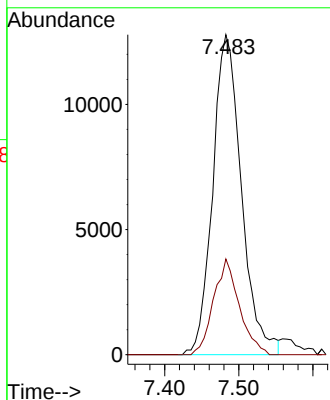
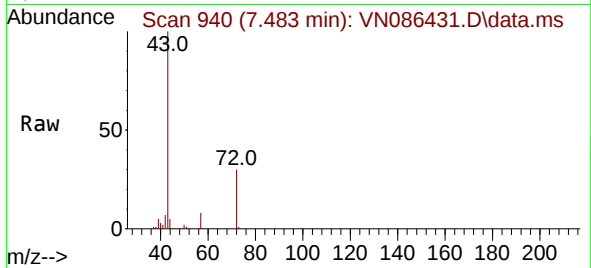




#25
2-Butanone
Concen: 24.310 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN086431.D
Acq: 30 Apr 2025 13:01

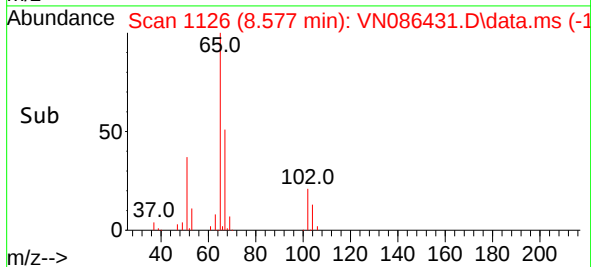
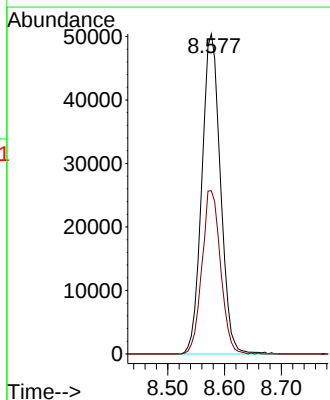
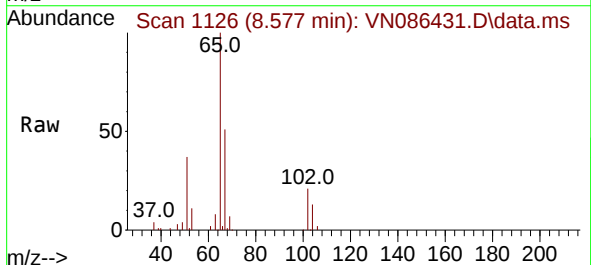
Instrument :
MSVOA_N
ClientSampleId :
PB167775ZHE#01

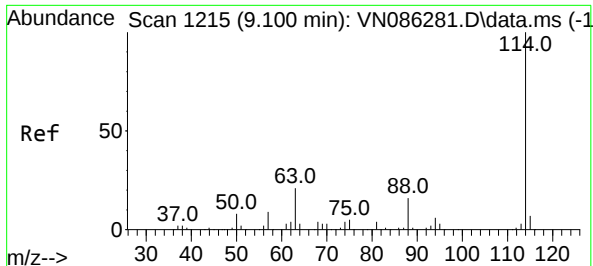
Tgt Ion: 43 Resp: 34349
Ion Ratio Lower Upper
43 100
72 29.9 21.7 32.5



#33
1,2-Dichloroethane-d4
Concen: 50.405 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086431.D
Acq: 30 Apr 2025 13:01

Tgt Ion: 65 Resp: 114421
Ion Ratio Lower Upper
65 100
67 51.0 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN086431.D

Acq: 30 Apr 2025 13:01

Instrument :

MSVOA_N

ClientSampleId :

PB167775ZHE#01

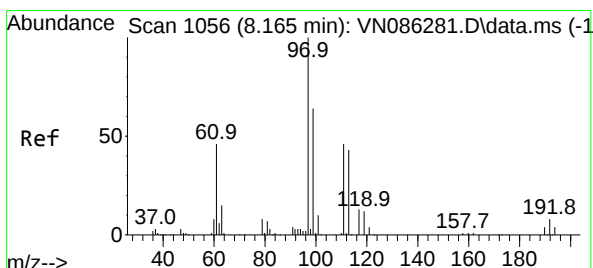
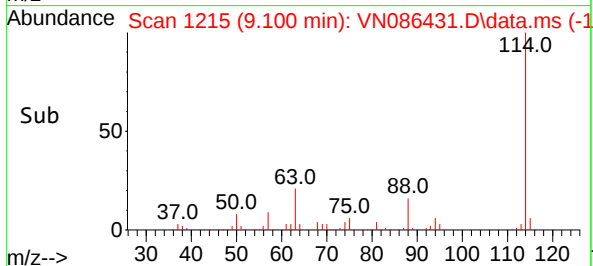
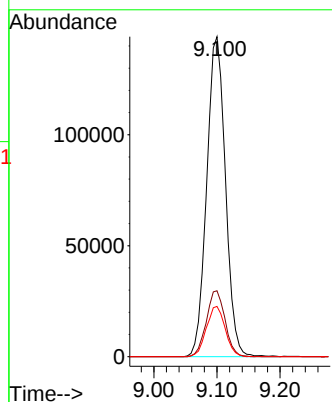
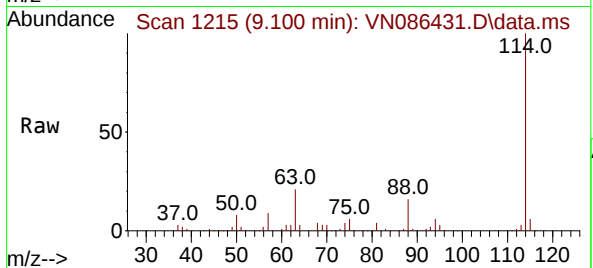
Tgt Ion:114 Resp: 297040

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.6

88 15.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 52.561 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086431.D

Acq: 30 Apr 2025 13:01

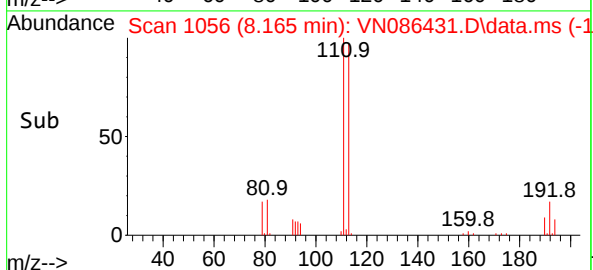
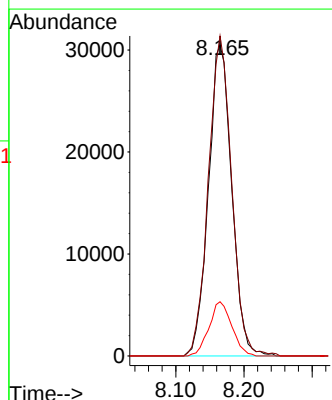
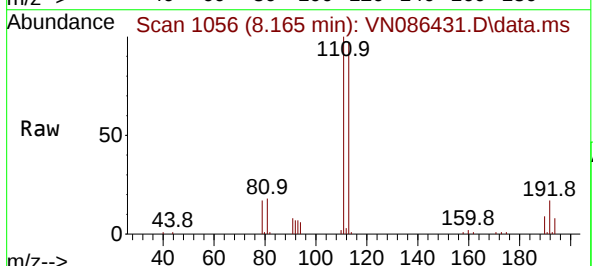
Tgt Ion:113 Resp: 72460

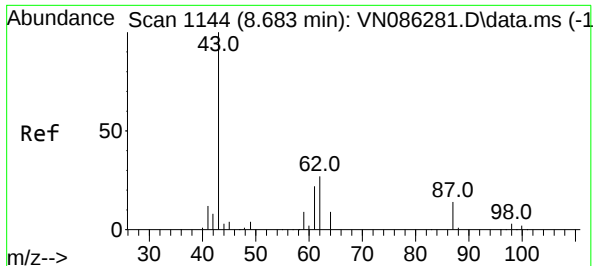
Ion Ratio Lower Upper

113 100

111 102.6 83.4 125.0

192 17.1 13.7 20.5





#43

Isopropyl Acetate

Concen: 4.605 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.005 min

Lab File: VN086431.D

Acq: 30 Apr 2025 13:01

Instrument :

MSVOA_N

ClientSampleId :

PB167775ZHE#01

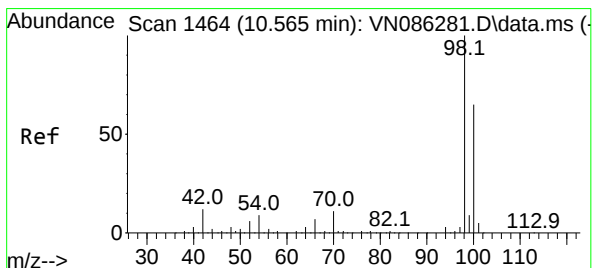
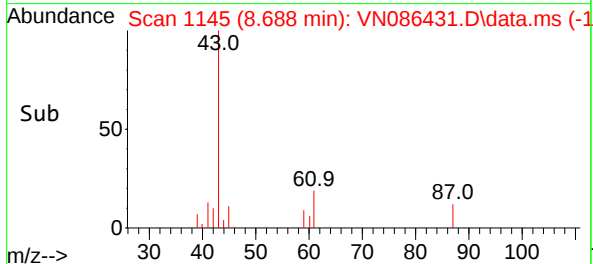
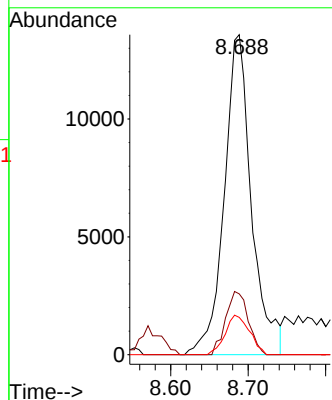
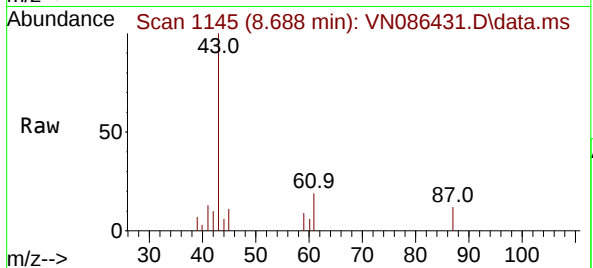
Tgt Ion: 43 Resp: 33233

Ion Ratio Lower Upper

43 100

61 16.4 20.5 30.7#

87 11.0 10.5 15.7



#50

Toluene-d8

Concen: 51.130 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086431.D

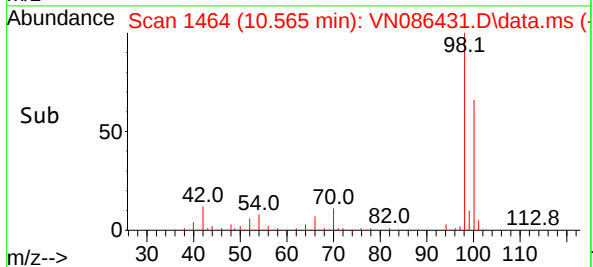
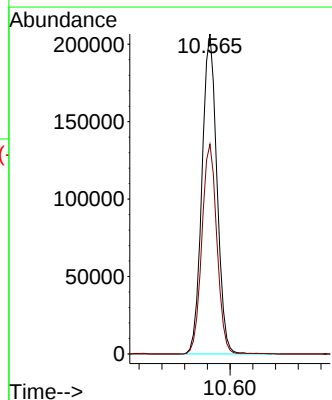
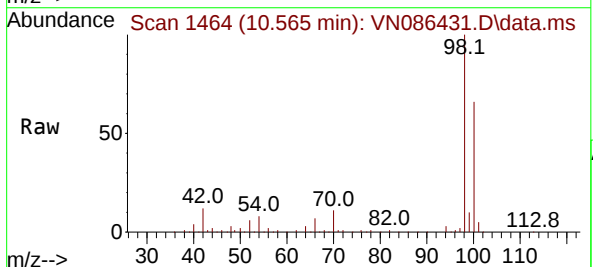
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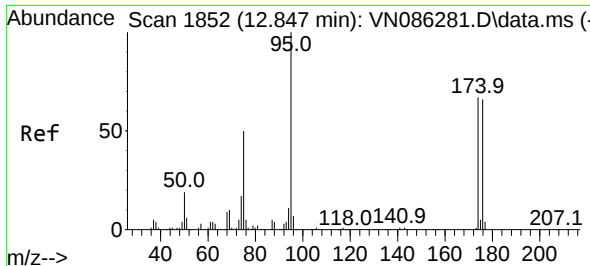
Tgt Ion: 98 Resp: 376718

Ion Ratio Lower Upper

98 100

100 66.0 52.5 78.7

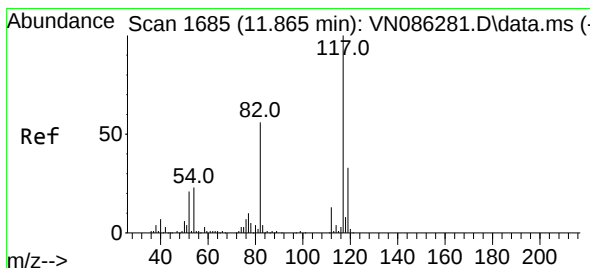
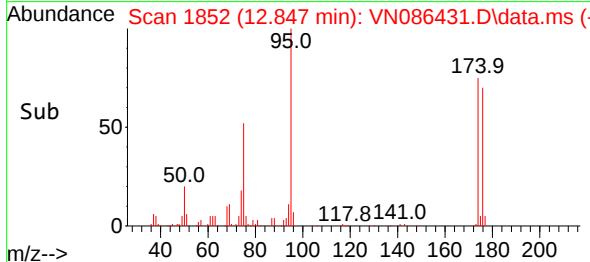
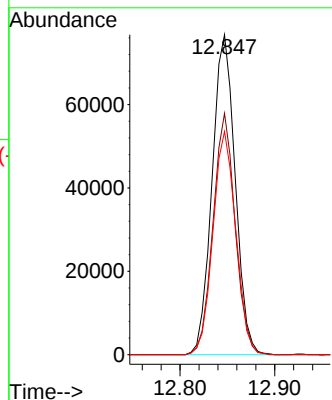
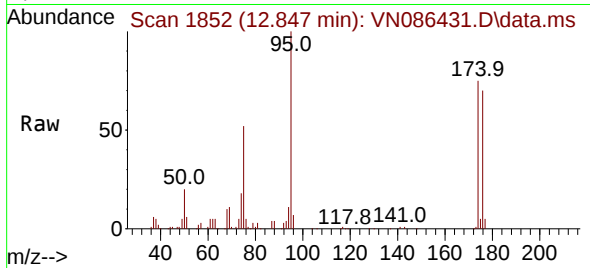




#62
4-Bromofluorobenzene
Concen: 48.326 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086431.D
Acq: 30 Apr 2025 13:01

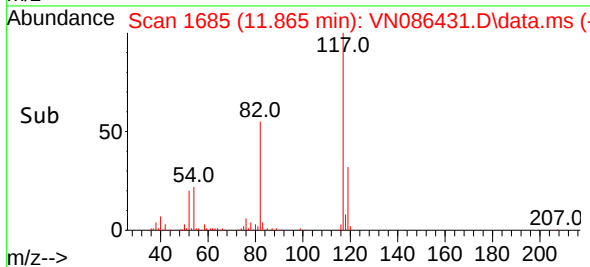
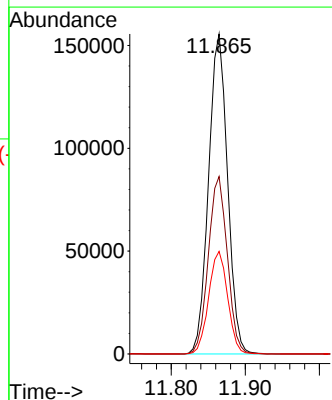
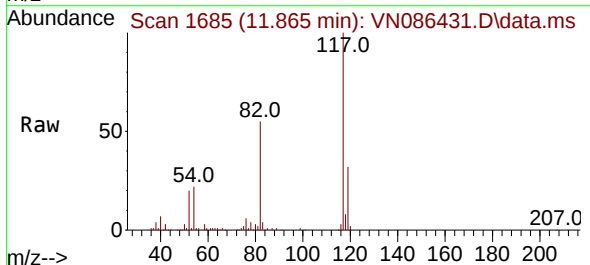
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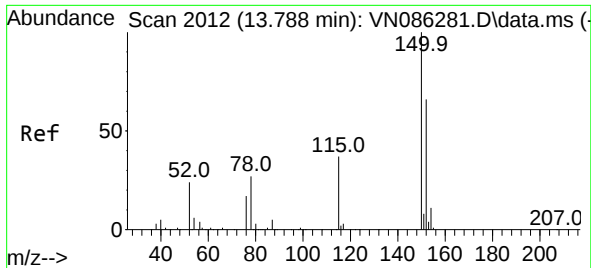
Tgt Ion: 95 Resp: 129871
Ion Ratio Lower Upper
95 100
174 72.3 0.0 133.4
176 69.0 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086431.D
Acq: 30 Apr 2025 13:01

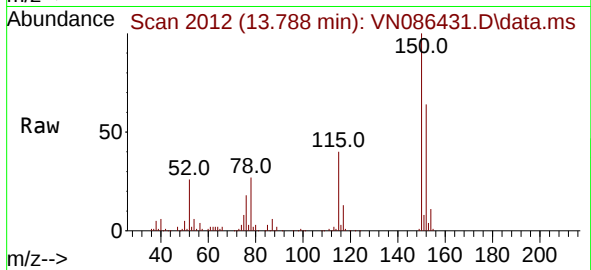
Tgt Ion: 117 Resp: 276776
Ion Ratio Lower Upper
117 100
82 55.5 44.7 67.1
119 32.0 26.4 39.6





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN086431.D
 Acq: 30 Apr 2025 13:01

Instrument :
 MSVOA_N
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 PB167775ZHE#01



Tgt Ion:152 Resp: 112606
 Ion Ratio Lower Upper
 152 100
 115 61.7 31.9 95.9
 150 159.7 0.0 352.0

