

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
 Data File : VN086467.D
 Acq On : 02 May 2025 16:41
 Operator : JC\MD
 Sample : PB167816ZHE#12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167816ZHE#12

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/05/2025
 Supervised By : Semsettin Yesilyurt 05/05/2025

Quant Time: May 02 23:17:00 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	154217	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	298337	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	295626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	131809	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	111355	49.795	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.580%		
35) Dibromofluoromethane	8.165	113	73459	53.053	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	106.100%		
50) Toluene-d8	10.565	98	388422	52.489	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.980%		
62) 4-Bromofluorobenzene	12.847	95	141750	52.517	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	105.040%		
Target Compounds						
16) Acetone	4.430	43	33245	38.162	ug/l	97
20) Methylene Chloride	5.283	84	9195	4.448	ug/l #	83
43) Isopropyl Acetate	8.688	43	33179m	4.567	ug/l	

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

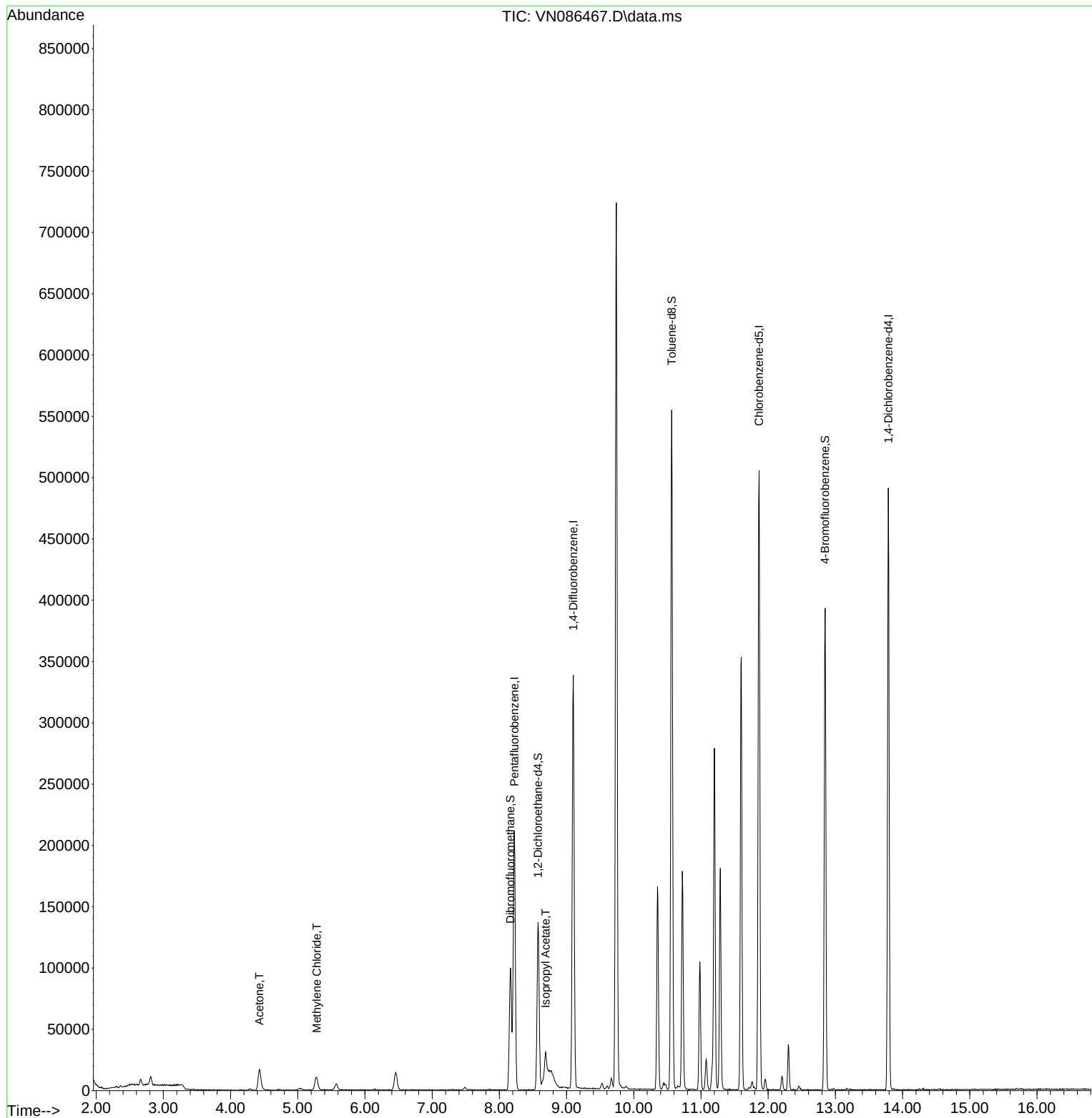
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
Data File : VN086467.D
Acq On : 02 May 2025 16:41
Operator : JC\MD
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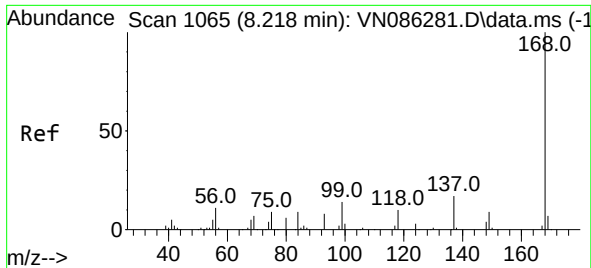
Instrument :
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PB167816ZHE#12

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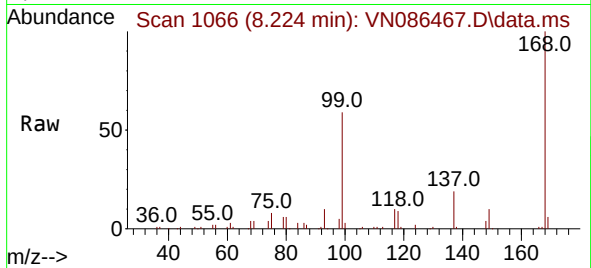
Quant Time: May 02 23:17:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086467.D
Acq: 02 May 2025 16:41

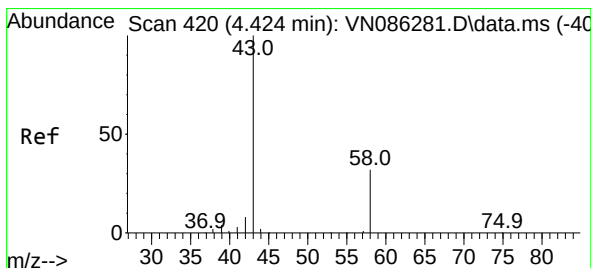
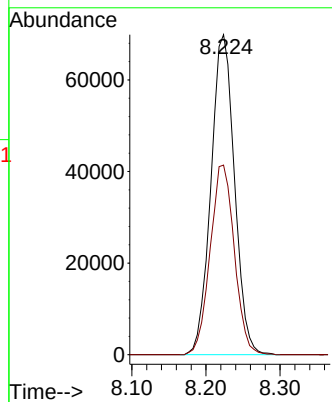
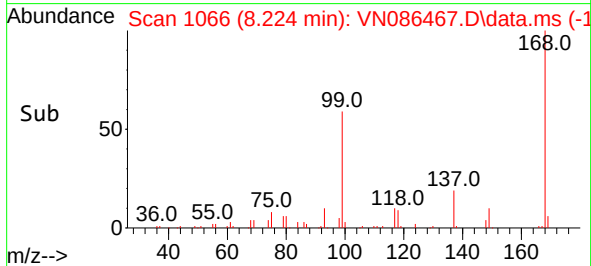
Instrument :
MSVOA_N
ClientSampleId :
PB167816ZHE#12



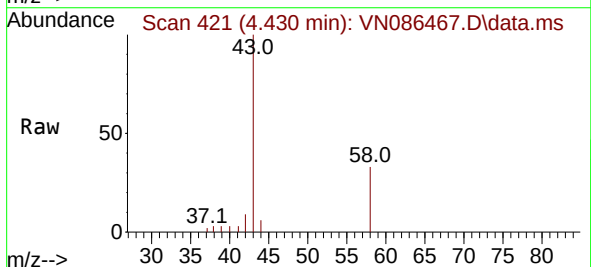
Tgt Ion:168 Resp: 15421
Ion Ratio Lower Upper
168 100
99 59.3 52.5 78.7

Manual Integrations
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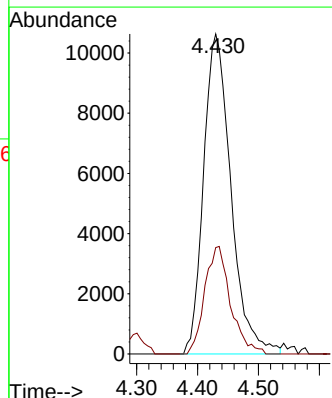
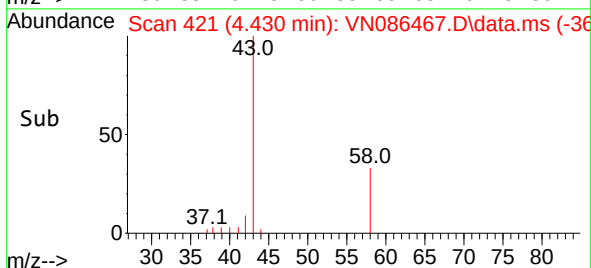
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025

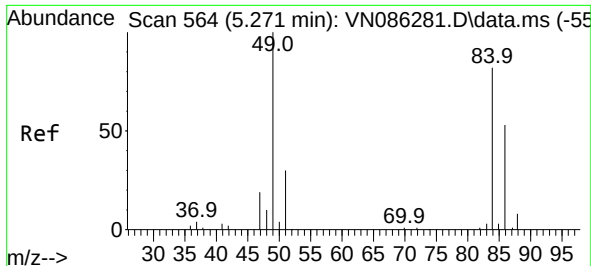


#16
Acetone
Concen: 38.162 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086467.D
Acq: 02 May 2025 16:41



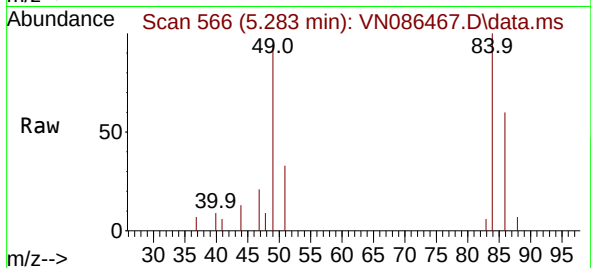
Tgt Ion: 43 Resp: 33245
Ion Ratio Lower Upper
43 100
58 33.2 25.3 37.9





#20
Methylene Chloride
Concen: 4.448 ug/l
RT: 5.283 min Scan# 50
Delta R.T. 0.012 min
Lab File: VN086467.D
Acq: 02 May 2025 16:41

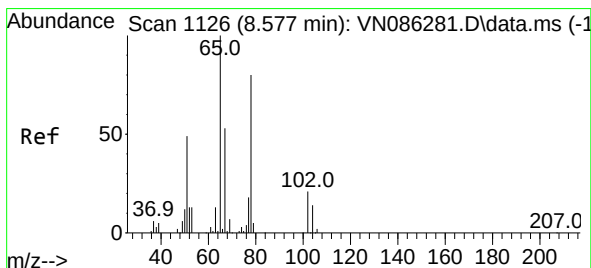
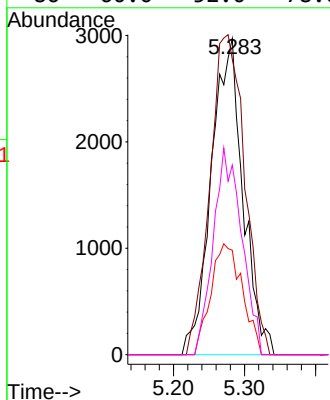
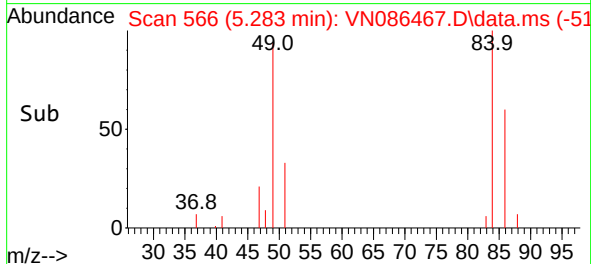
Instrument :
MSVOA_N
ClientSampleId :
PB167816ZHE#12



Tgt Ion: 84 Resp: 919
Ion Ratio Lower Upper
84 100
49 93.5 98.2 147.2
51 33.1 29.8 44.6
86 60.0 52.0 78.0

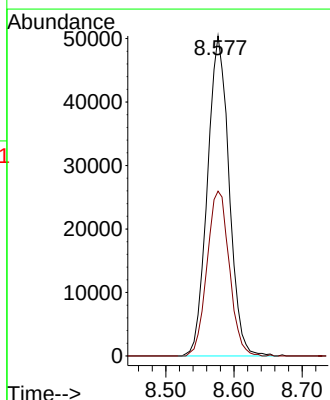
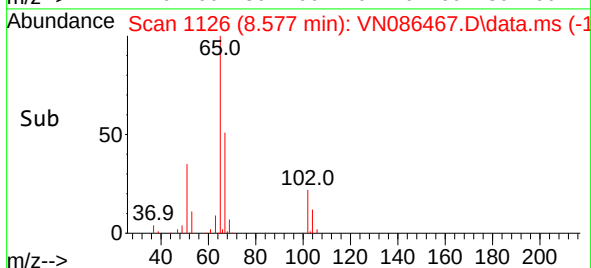
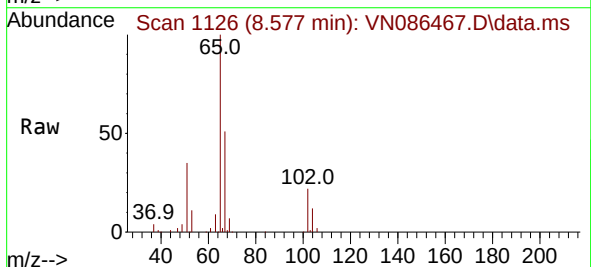
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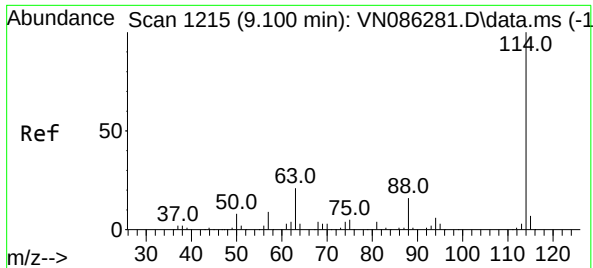
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#33
1,2-Dichloroethane-d4
Concen: 49.795 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086467.D
Acq: 02 May 2025 16:41

Tgt Ion: 65 Resp: 111355
Ion Ratio Lower Upper
65 100
67 53.0 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: VN086467.D

Acq: 02 May 2025 16:41

Instrument :

MSVOA_N

ClientSampleId :

PB167816ZHE#12

Tgt Ion:114 Resp: 29833

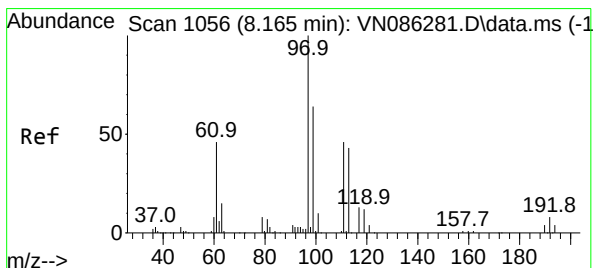
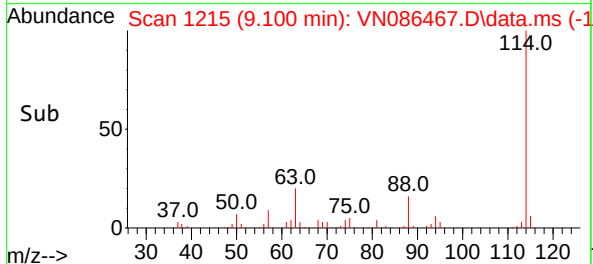
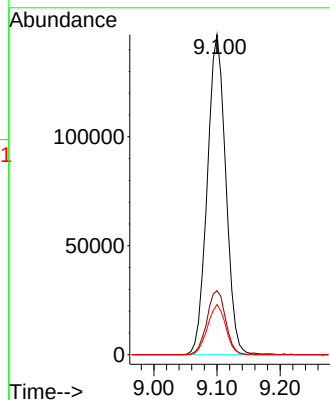
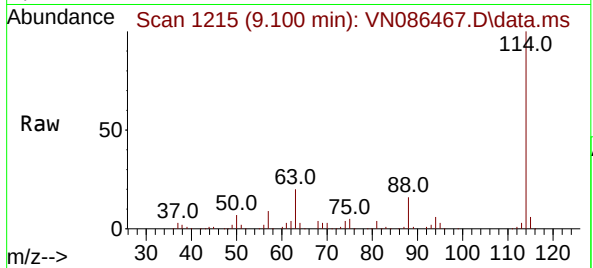
Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	42.6
88	15.6	0.0	31.8

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Supervised By :Semsettin Yesilyurt 05/05/2025



#35

Dibromofluoromethane

Concen: 53.053 ug/l

RT: 8.165 min Scan# 1056

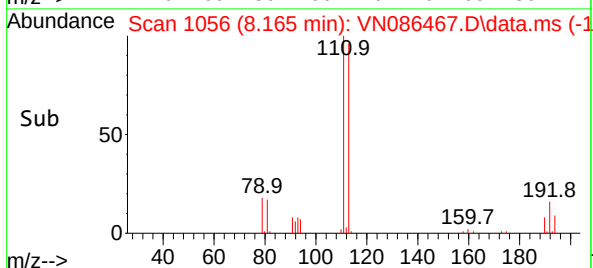
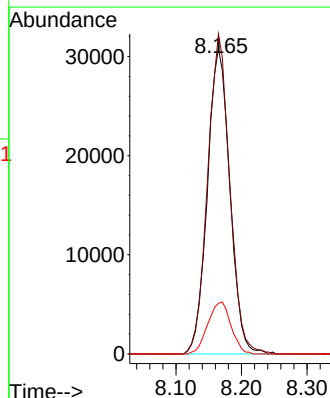
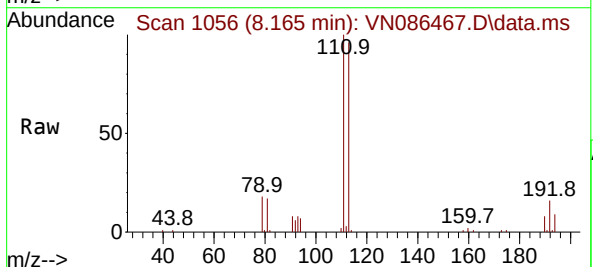
Delta R.T. -0.000 min

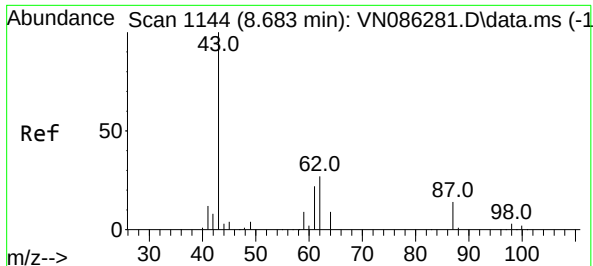
Lab File: VN086467.D

Acq: 02 May 2025 16:41

Tgt Ion:113 Resp: 73459

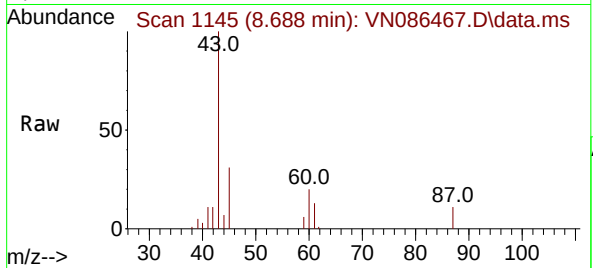
Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.4	125.0
192	17.5	13.7	20.5





#43
Isopropyl Acetate
Concen: 4.567 ug/l m
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN086467.D
Acq: 02 May 2025 16:41

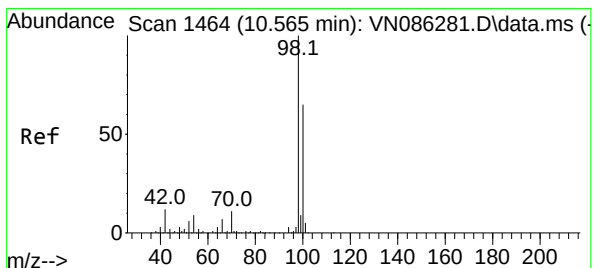
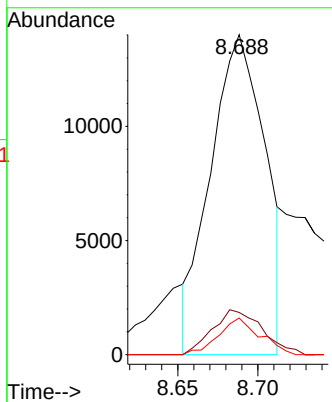
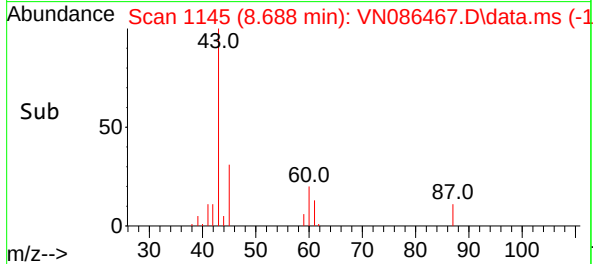
Instrument :
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ClientSampleId :
PB167816ZHE#12



Tgt Ion: 43 Resp: 33179
Ion Ratio Lower Upper
43 100
61 12.9 20.5 30.7
87 8.7 10.5 15.7

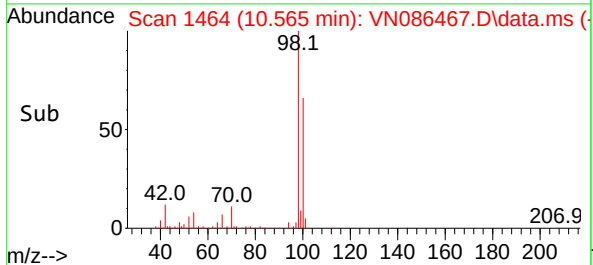
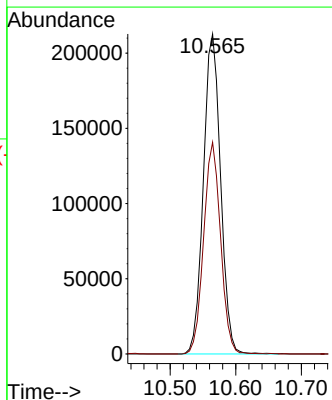
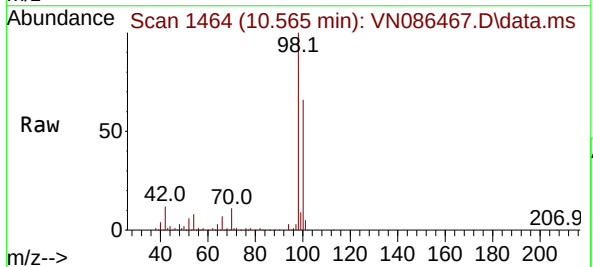
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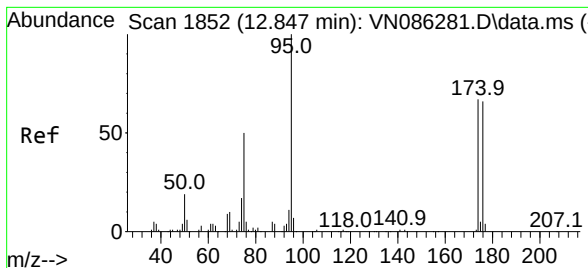
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#50
Toluene-d8
Concen: 52.489 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086467.D
Acq: 02 May 2025 16:41

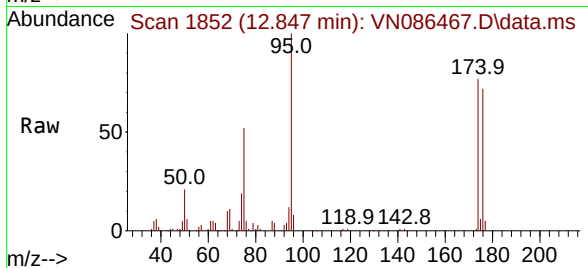
Tgt Ion: 98 Resp: 388422
Ion Ratio Lower Upper
98 100
100 65.1 52.5 78.7





#62
4-Bromofluorobenzene
Concen: 52.517 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086467.D
Acq: 02 May 2025 16:41

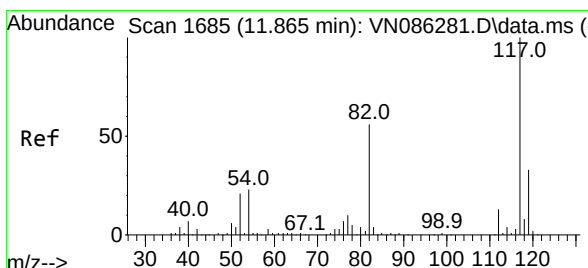
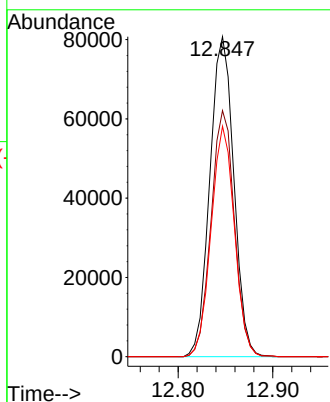
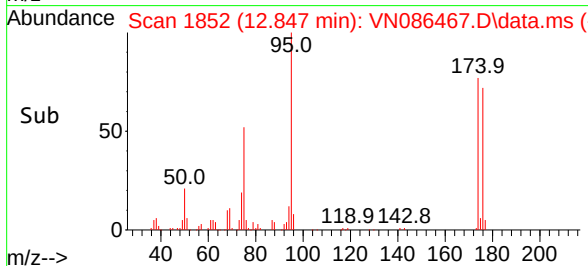
Instrument :
MSVOA_N
ClientSampleId :
PB167816ZHE#12



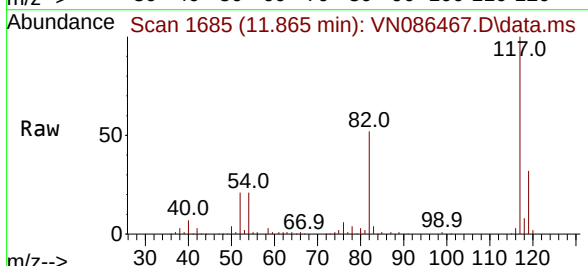
Tgt Ion: 95 Resp: 141750
Ion Ratio Lower Upper
95 100
174 75.2 0.0 133.4
176 70.1 0.0 129.2

Manual Integrations
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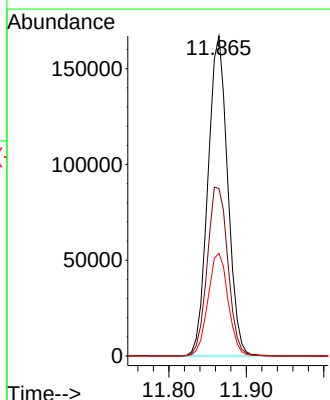
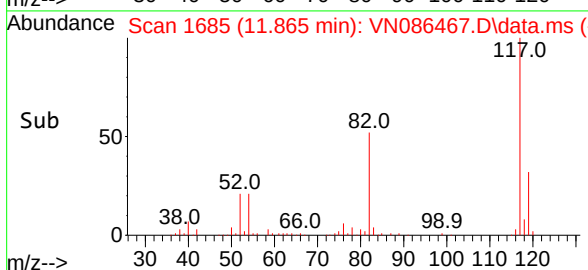
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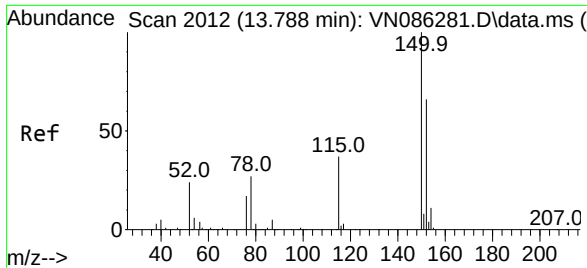


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086467.D
Acq: 02 May 2025 16:41



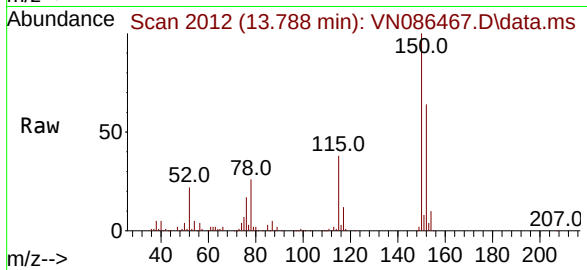
Tgt Ion:117 Resp: 295626
Ion Ratio Lower Upper
117 100
82 52.3 44.7 67.1
119 32.1 26.4 39.6





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN086467.D
Acq: 02 May 2025 16:41

Instrument :
MSVOA_N
ClientSampleId :
PB167816ZHE#12



Tgt Ion:152 Resp: 131809
Ion Ratio Lower Upper
152 100
115 60.8 31.9 95.9
150 157.5 0.0 352.0

Manual Integrations
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