

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051225\
 Data File : VN086581.D
 Acq On : 12 May 2025 15:16
 Operator : JC\MD
 Sample : PB167932ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167932ZHE#06

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/13/2025
 Supervised By :Semsettin Yesilyurt 05/13/2025

Quant Time: May 13 01:53:24 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	176501	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	331826	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	311736	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	131533	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	124109	48.491	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.980%		
35) Dibromofluoromethane	8.165	113	97601	63.375	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	126.760%#		
50) Toluene-d8	10.565	98	422874	51.377	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.760%		
62) 4-Bromofluorobenzene	12.847	95	146192	48.697	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.400%		
Target Compounds					Qvalue	
16) Acetone	4.430	43	27082	25.479	ug/l	99
20) Methylene Chloride	5.277	84	4296	1.816	ug/l	92
43) Isopropyl Acetate	8.688	43	27299m	2.887	ug/l	

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

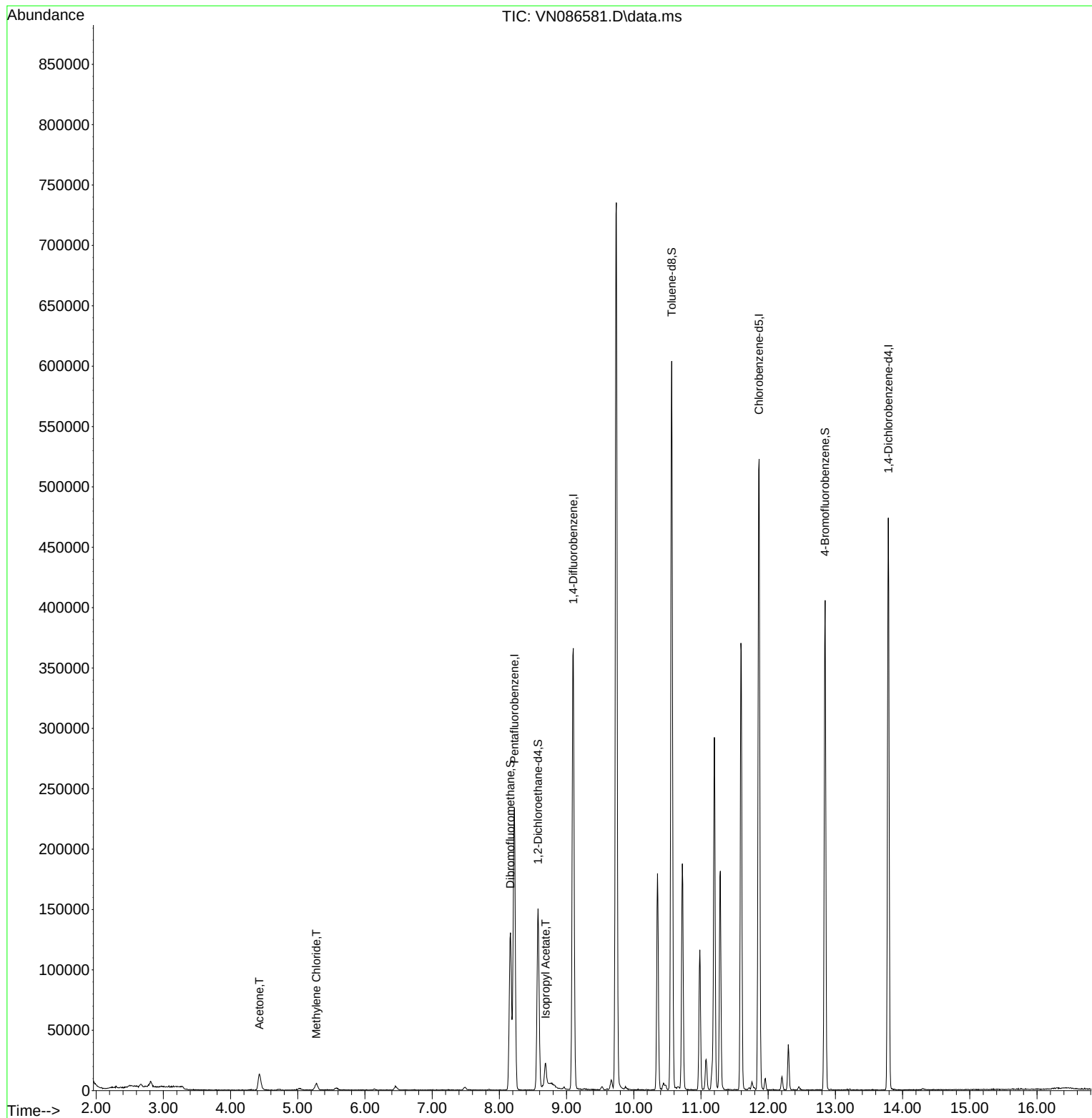
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051225\
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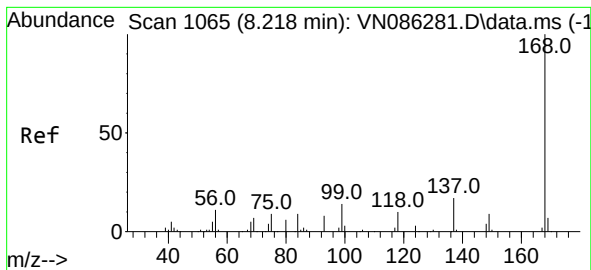
Instrument :
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ClientSampleId :
PB167932ZHE#06

Quant Time: May 13 01:53:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
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Response via : Initial Calibration

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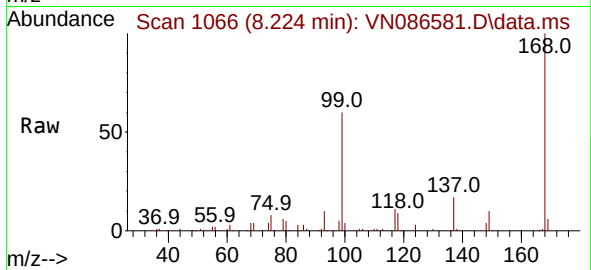
Reviewed By :Mahesh Dadoda 05/13/2025
Supervised By :Semsettin Yesilyurt 05/13/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086581.D
Acq: 12 May 2025 15:16

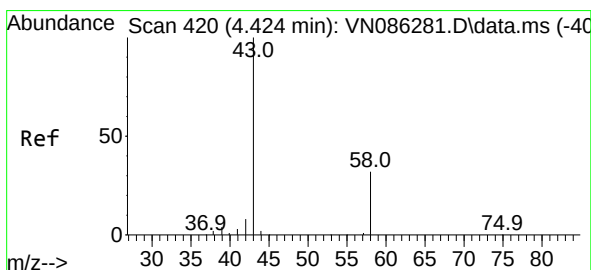
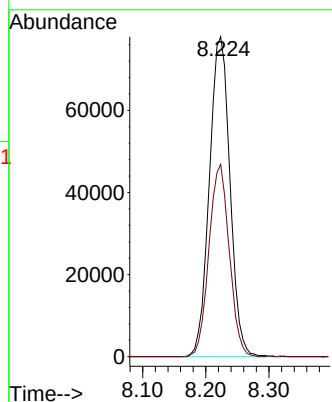
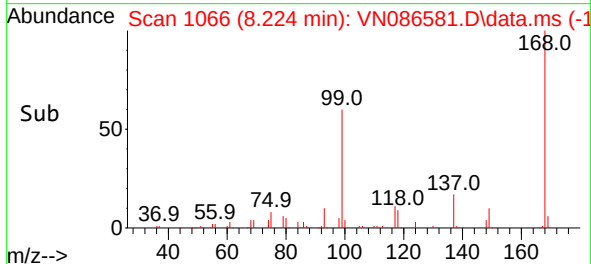
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#06



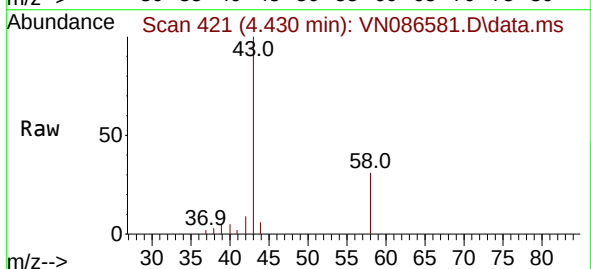
Tgt Ion:168 Resp: 17650
Ion Ratio Lower Upper
168 100
99 60.1 52.5 78.7

Manual Integrations
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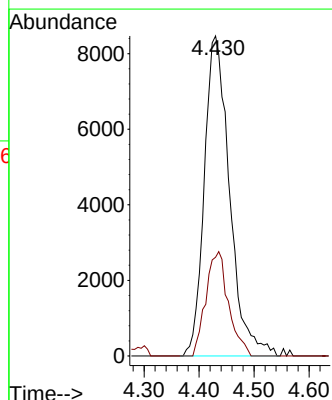
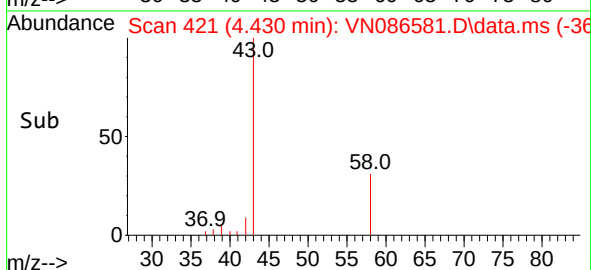
Reviewed By :Mahesh Dadoda 05/13/2025
Supervised By :Semsettin Yesilyurt 05/13/2025

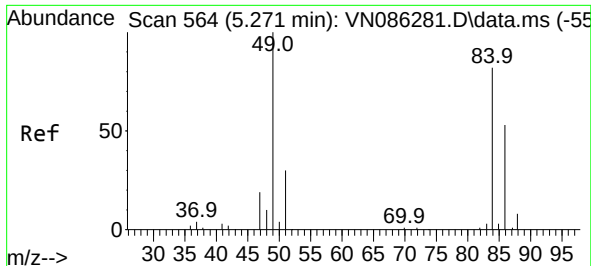


#16
Acetone
Concen: 25.479 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086581.D
Acq: 12 May 2025 15:16



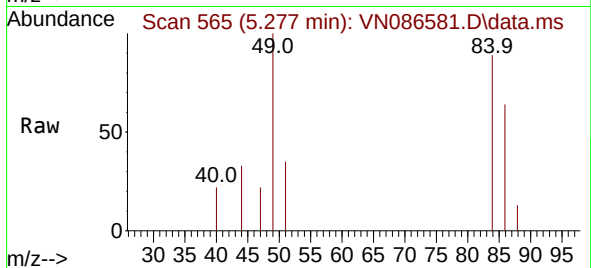
Tgt Ion: 43 Resp: 27082
Ion Ratio Lower Upper
43 100
58 30.8 25.3 37.9





#20
Methylene Chloride
Concen: 1.816 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086581.D
Acq: 12 May 2025 15:16

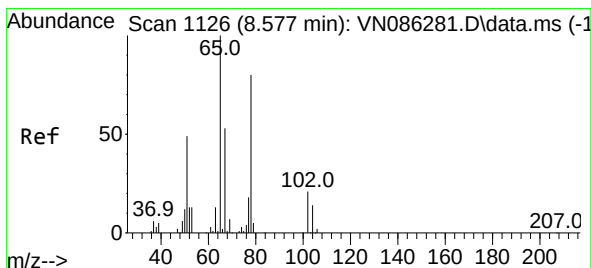
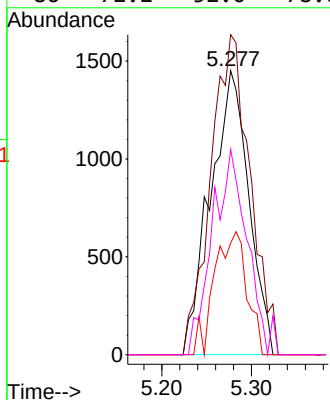
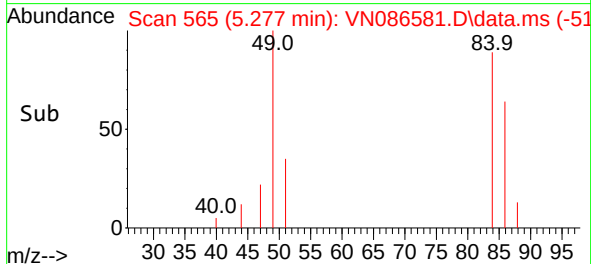
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#06



Tgt Ion: 84 Resp: 4290
Ion Ratio Lower Upper
84 100
49 112.7 98.2 147.2
51 39.4 29.8 44.6
86 72.2 52.0 78.0

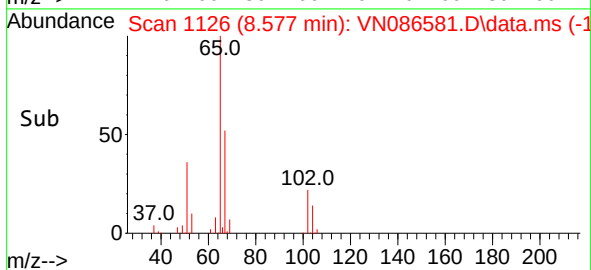
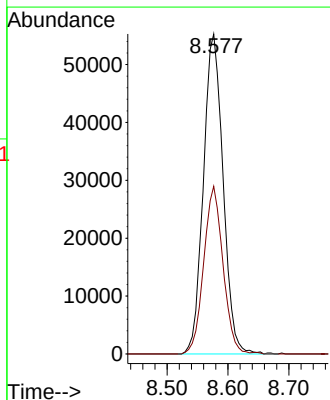
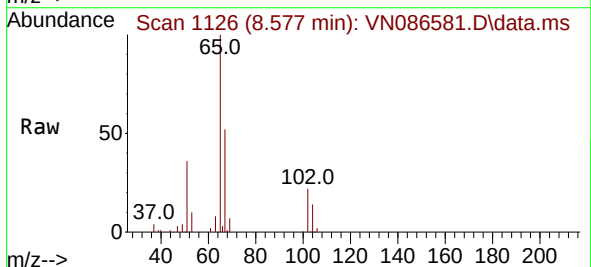
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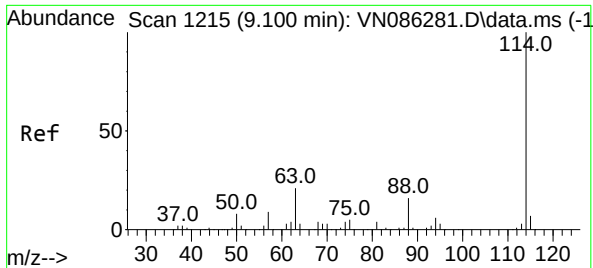
Reviewed By :Mahesh Dadoda 05/13/2025
Supervised By :Semsettin Yesilyurt 05/13/2025



#33
1,2-Dichloroethane-d4
Concen: 48.491 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086581.D
Acq: 12 May 2025 15:16

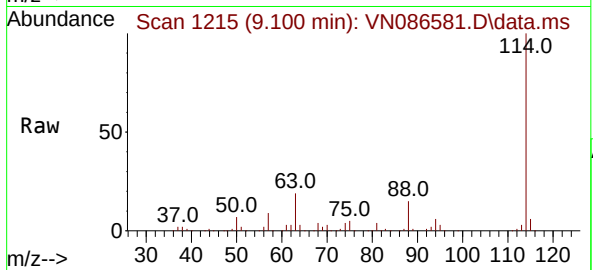
Tgt Ion: 65 Resp: 124109
Ion Ratio Lower Upper
65 100
67 51.4 0.0 106.0





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 114
Delta R.T. -0.000 min
Lab File: VN086581.D
Acq: 12 May 2025 15:16

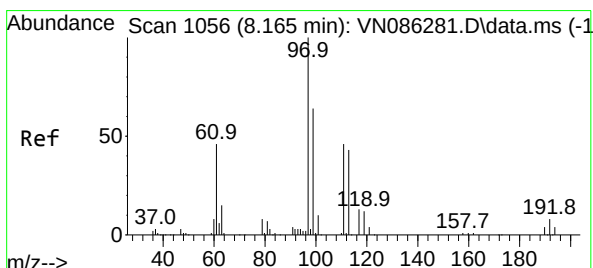
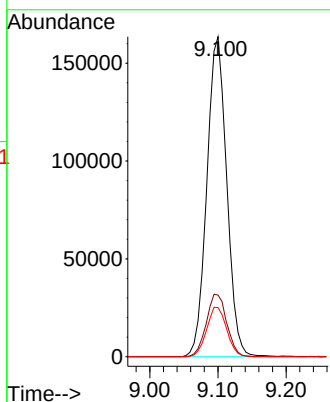
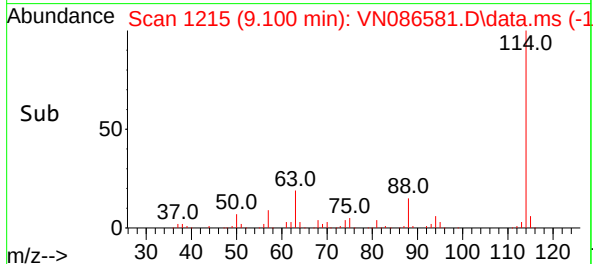
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#06



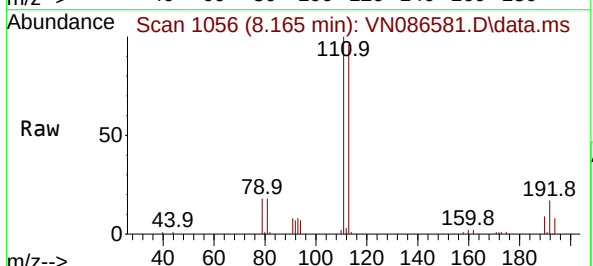
Tgt Ion:114 Resp: 331820
Ion Ratio Lower Upper
114 100
63 19.3 0.0 42.6
88 15.4 0.0 31.8

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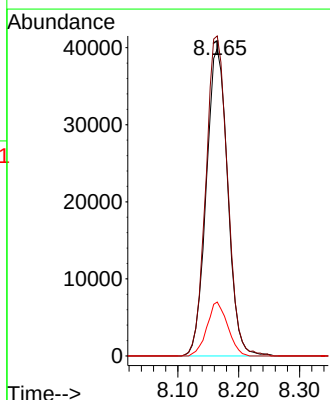
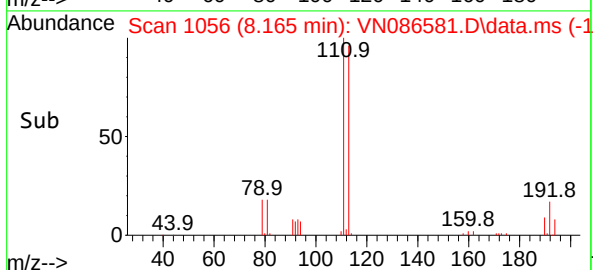
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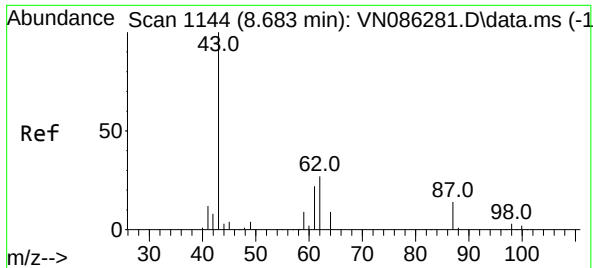


#35
Dibromofluoromethane
Concen: 63.375 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086581.D
Acq: 12 May 2025 15:16



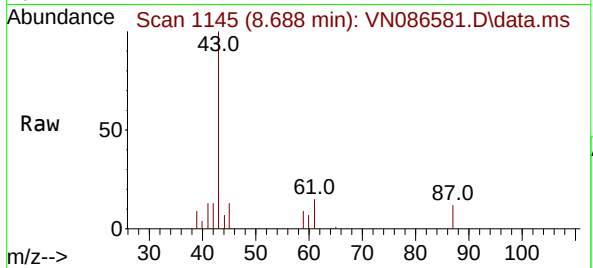
Tgt Ion:113 Resp: 97601
Ion Ratio Lower Upper
113 100
111 105.0 83.4 125.0
192 16.9 13.7 20.5





#43
Isopropyl Acetate
Concen: 2.887 ug/l m
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN086581.D
Acq: 12 May 2025 15:16

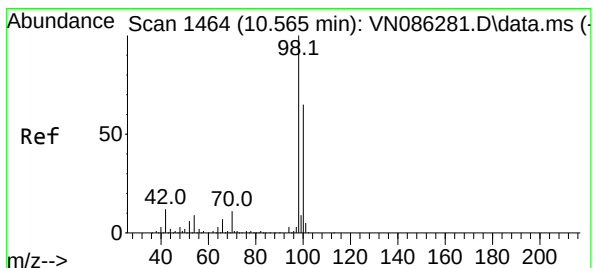
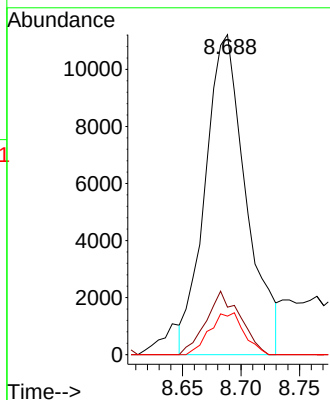
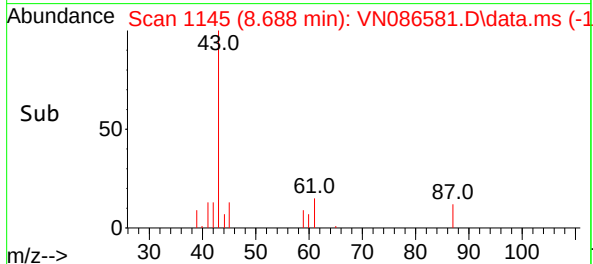
Instrument :
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PB167932ZHE#06



Tgt Ion: 43 Resp: 27299
Ion Ratio Lower Upper
43 100
61 16.6 20.5 30.7
87 11.0 10.5 15.7

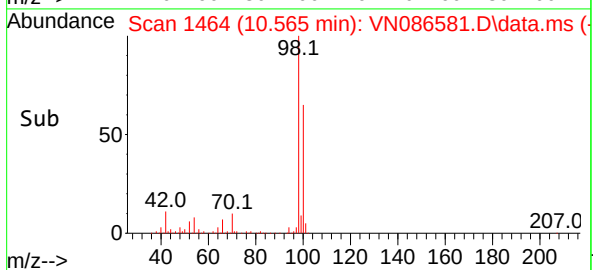
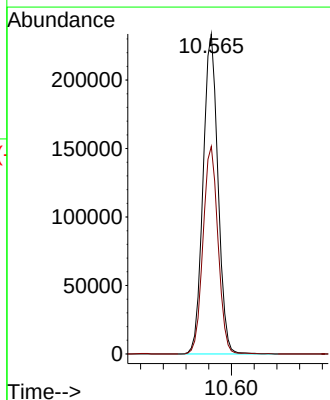
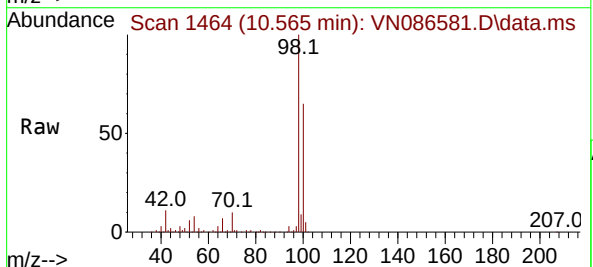
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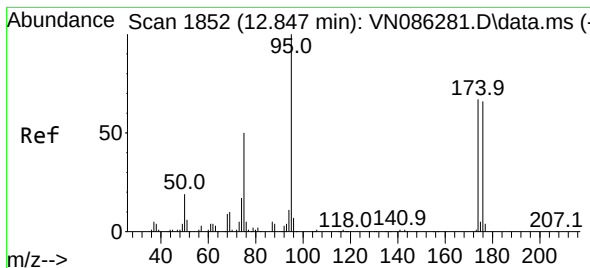
Reviewed By :Mahesh Dadoda 05/13/2025
Supervised By :Semsettin Yesilyurt 05/13/2025



#50
Toluene-d8
Concen: 51.377 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086581.D
Acq: 12 May 2025 15:16

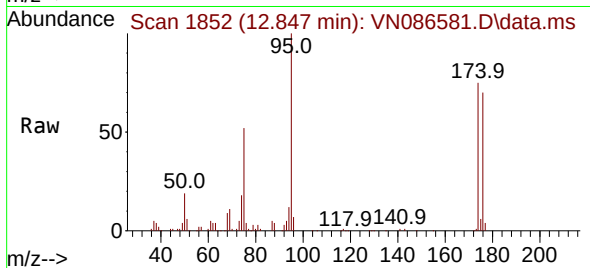
Tgt Ion: 98 Resp: 422874
Ion Ratio Lower Upper
98 100
100 65.4 52.5 78.7





#62
4-Bromofluorobenzene
Concen: 48.697 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086581.D
Acq: 12 May 2025 15:16

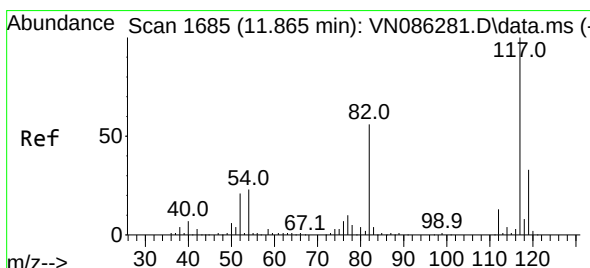
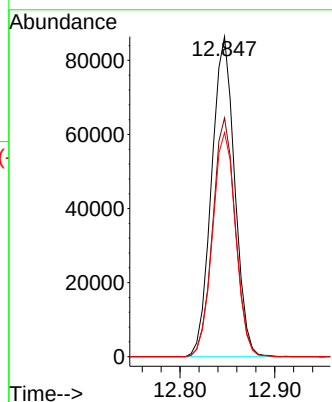
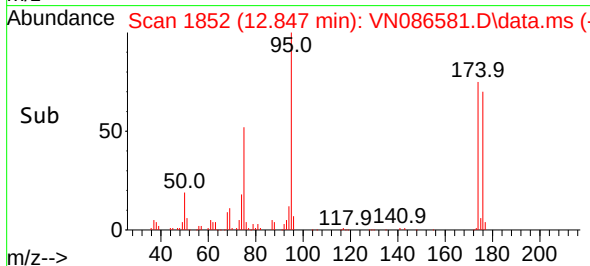
Instrument :
MSVOA_N
ClientSampleId :
PB167932ZHE#06



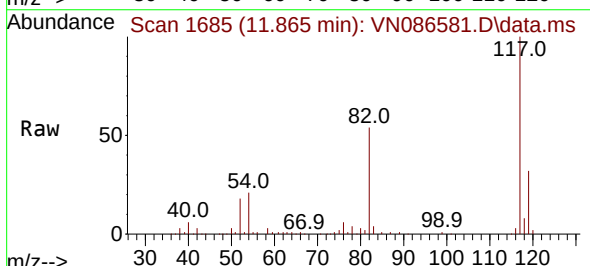
Tgt Ion: 95 Resp: 146192
Ion Ratio Lower Upper
95 100
174 73.5 0.0 133.4
176 70.2 0.0 129.2

Manual Integrations
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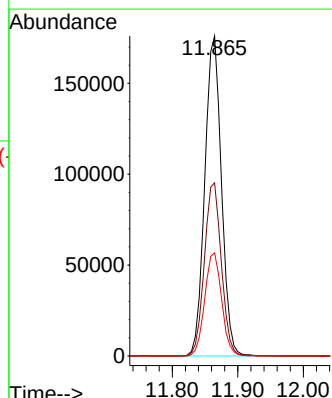
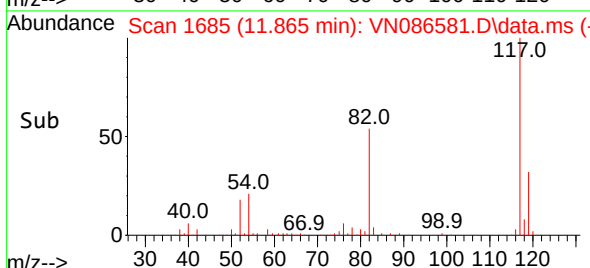
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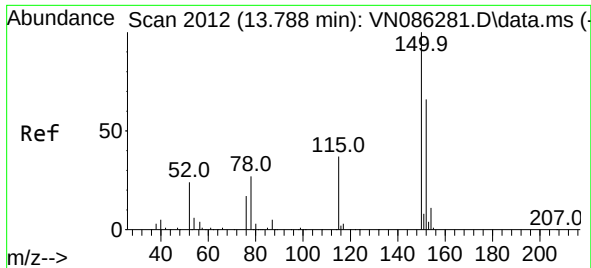


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086581.D
Acq: 12 May 2025 15:16



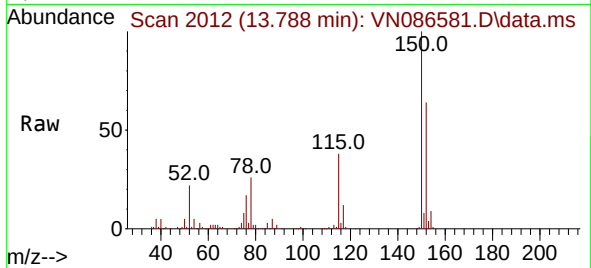
Tgt Ion:117 Resp: 311736
Ion Ratio Lower Upper
117 100
82 54.1 44.7 67.1
119 32.2 26.4 39.6





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN086581.D
 Acq: 12 May 2025 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167932ZHE#06



Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	31.9	95.9
150	158.8	0.0	352.0

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