

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
 Data File : VN086461.D
 Acq On : 02 May 2025 14:15
 Operator : JC\MD
 Sample : PB167816ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167816ZHE#06

Manual Integrations
 APPROVED

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

Quant Time: May 02 23:16:00 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	152940	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	292125	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	286696	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	114400	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	110877	49.995	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.980%			
35) Dibromofluoromethane	8.159	113	73784	54.421	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.840%			
50) Toluene-d8	10.565	98	383001	52.857	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.720%			
62) 4-Bromofluorobenzene	12.847	95	133527	50.523	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.040%			
Target Compounds						
16) Acetone	4.436	43	26760	29.875	ug/l	98
20) Methylene Chloride	5.283	84	9083	4.430	ug/l #	90
43) Isopropyl Acetate	8.688	43	33284m	4.725	ug/l	

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

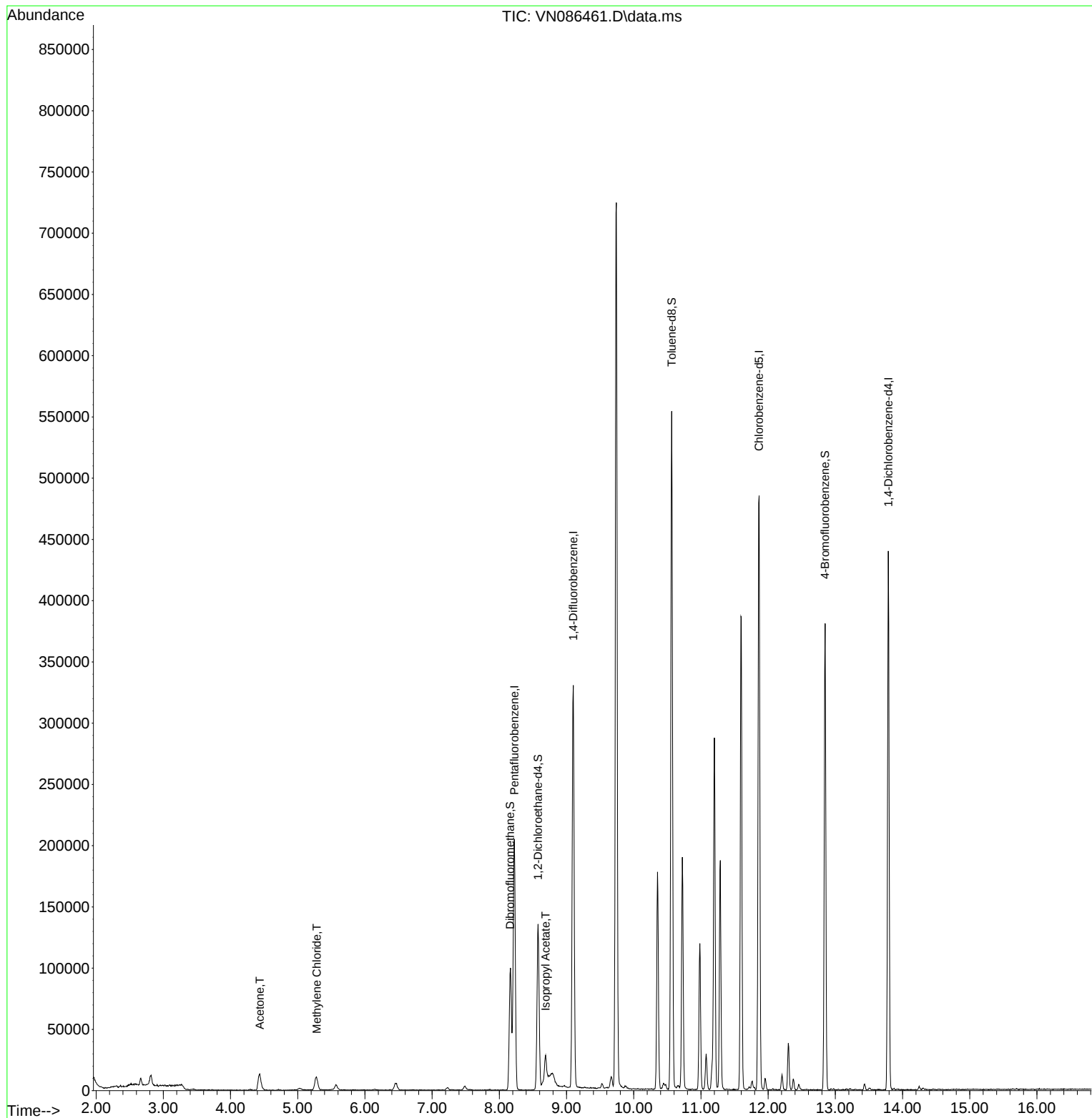
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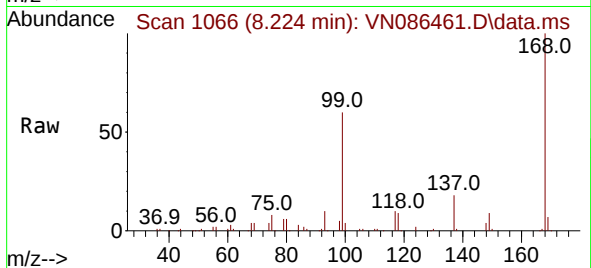
Quant Time: May 02 23:16:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VN086461.D
Acq: 02 May 2025 14:15

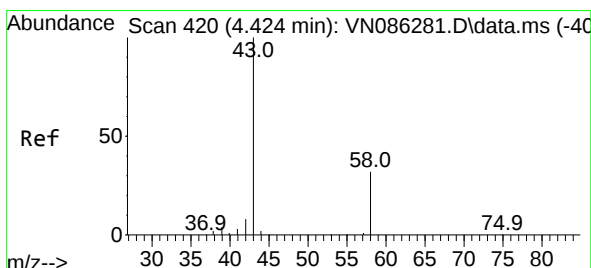
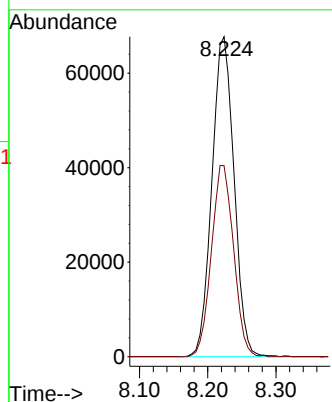
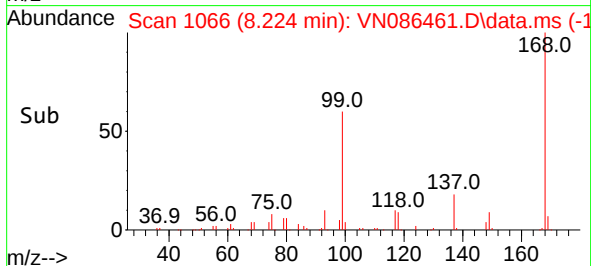
Instrument :
MSVOA_N
ClientSampleId :
PB167816ZHE#06



Tgt Ion:168 Resp: 152940
Ion Ratio Lower Upper
168 100
99 59.7 52.5 78.7

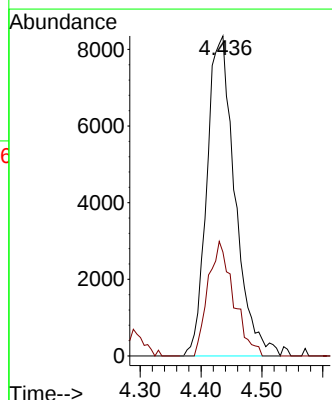
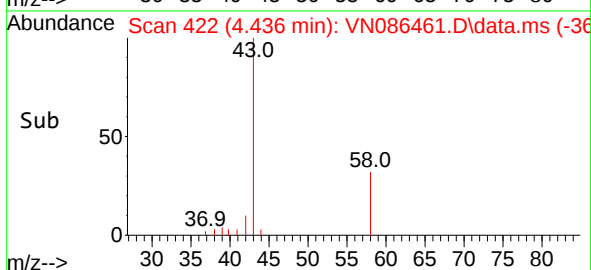
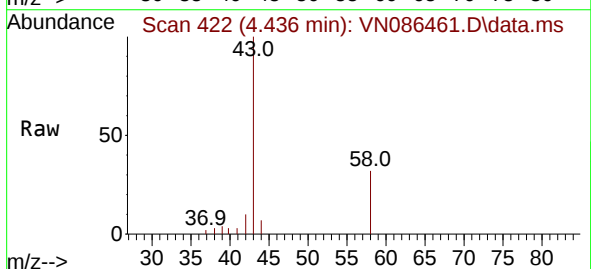
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#16
Acetone
Concen: 29.875 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN086461.D
Acq: 02 May 2025 14:15

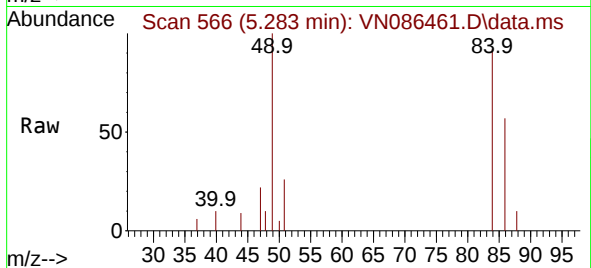
Tgt Ion: 43 Resp: 26760
Ion Ratio Lower Upper
43 100
58 32.4 25.3 37.9





#20
Methylene Chloride
Concen: 4.430 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN086461.D
Acq: 02 May 2025 14:15

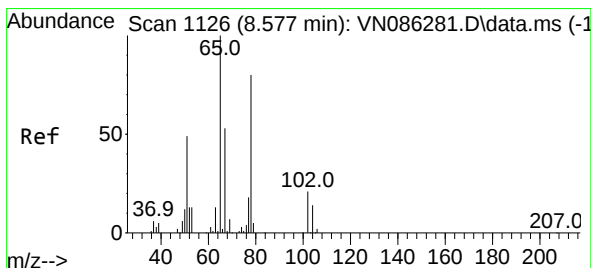
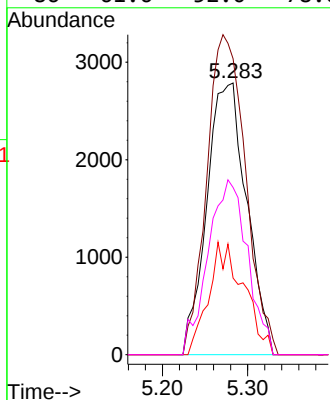
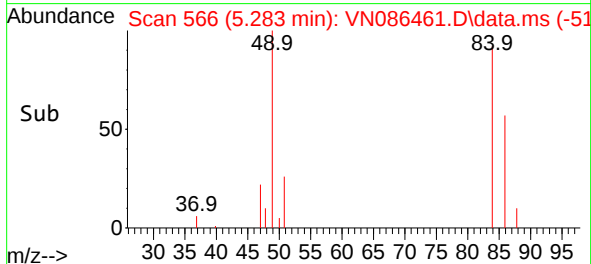
Instrument :
MSVOA_N
ClientSampleId :
PB167816ZHE#06



Tgt Ion: 84 Resp: 908
Ion Ratio Lower Upper
84 100
49 109.0 98.2 147.2
51 28.2 29.8 44.6
86 61.6 52.0 78.0

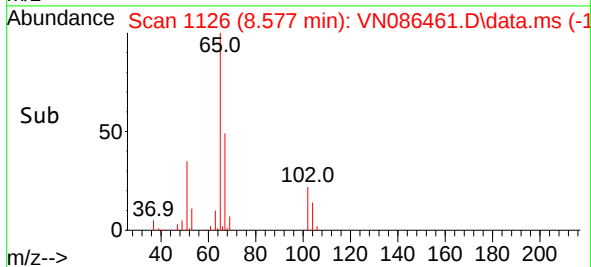
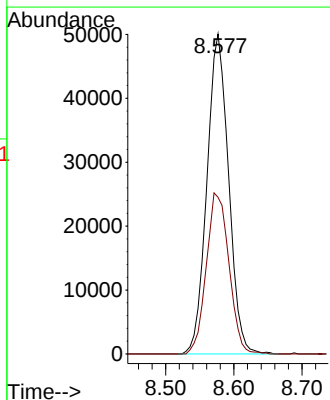
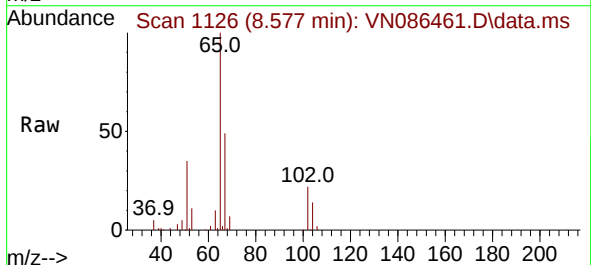
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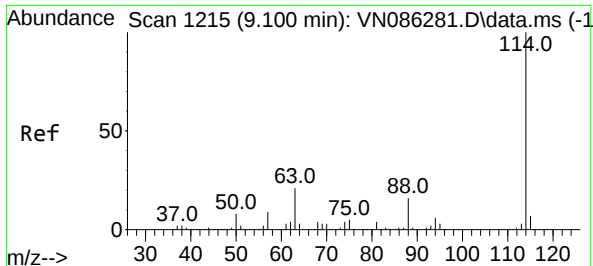
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#33
1,2-Dichloroethane-d4
Concen: 49.995 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086461.D
Acq: 02 May 2025 14:15

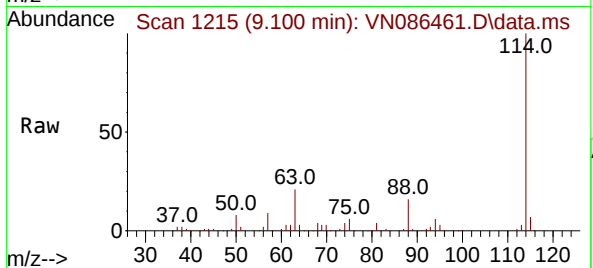
Tgt Ion: 65 Resp: 110877
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.0





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086461.D
Acq: 02 May 2025 14:15

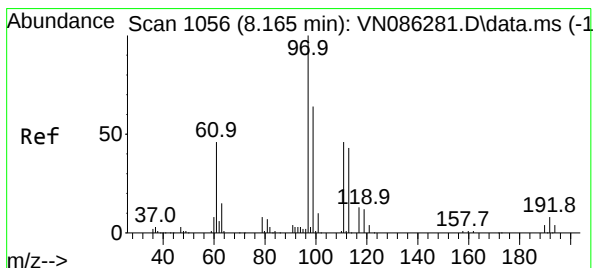
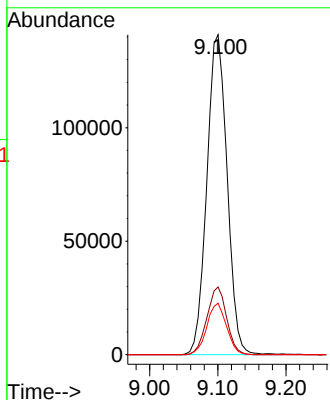
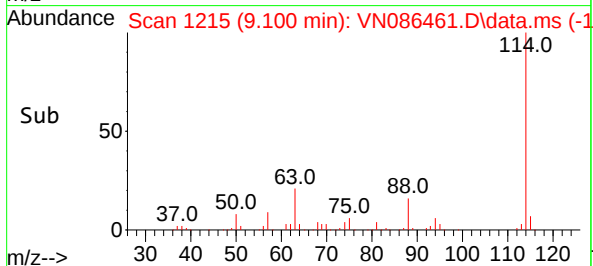
Instrument :
MSVOA_N
ClientSampleId :
PB167816ZHE#06



Tgt Ion:114 Resp: 292125
Ion Ratio Lower Upper
114 100
63 21.2 0.0 42.6
88 16.1 0.0 31.8

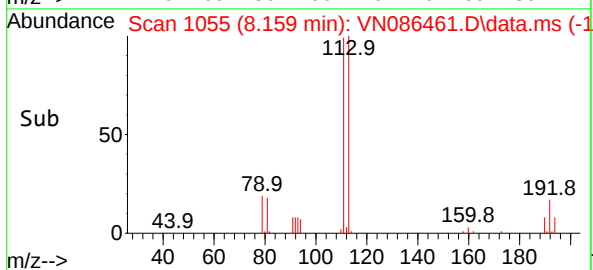
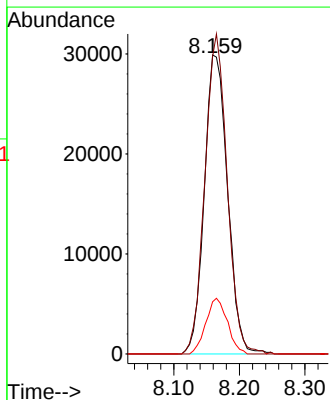
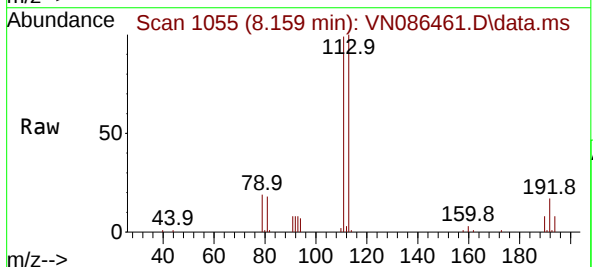
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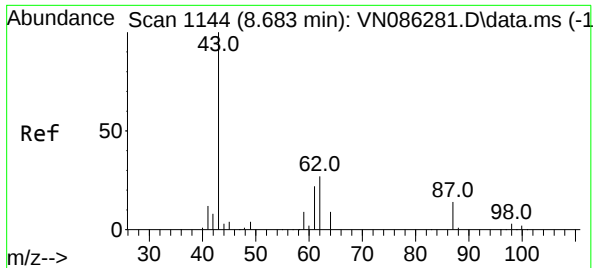
Reviewed By :John Carlone 05/05/2025
Supervised By :Semsettin Yesilyurt 05/05/2025



#35
Dibromofluoromethane
Concen: 54.421 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN086461.D
Acq: 02 May 2025 14:15

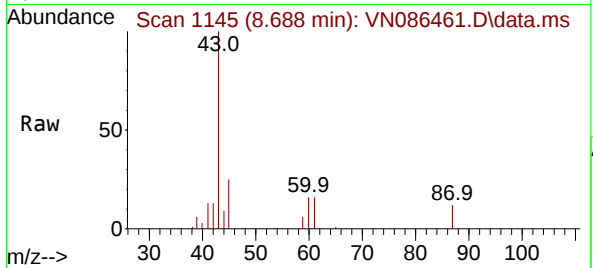
Tgt Ion:113 Resp: 73784
Ion Ratio Lower Upper
113 100
111 102.6 83.4 125.0
192 17.2 13.7 20.5





#43
Isopropyl Acetate
Concen: 4.725 ug/l m
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN086461.D
Acq: 02 May 2025 14:15

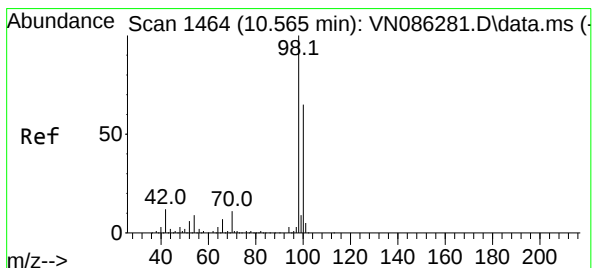
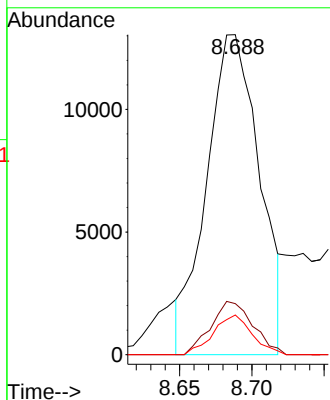
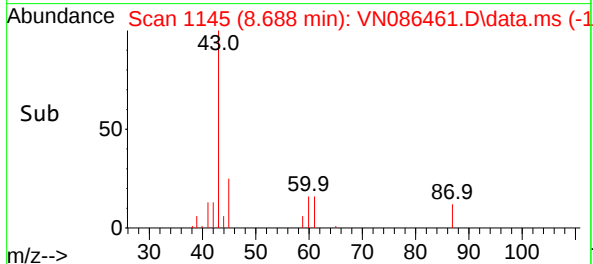
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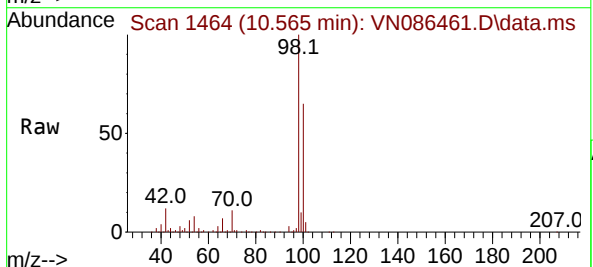
Tgt Ion: 43 Resp: 33284
Ion Ratio Lower Upper
43 100
61 13.2 20.5 30.7
87 9.1 10.5 15.7

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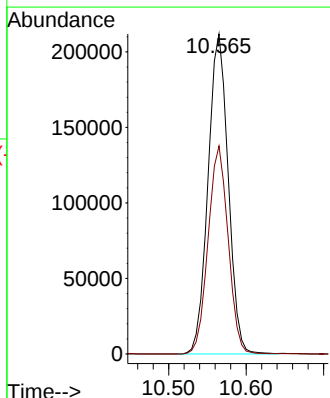
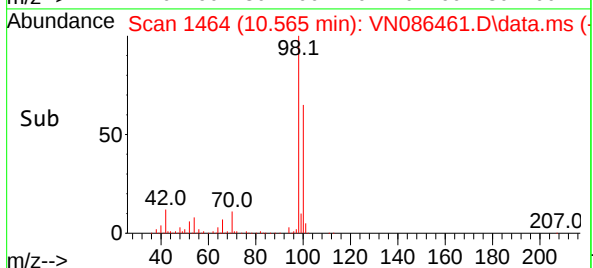
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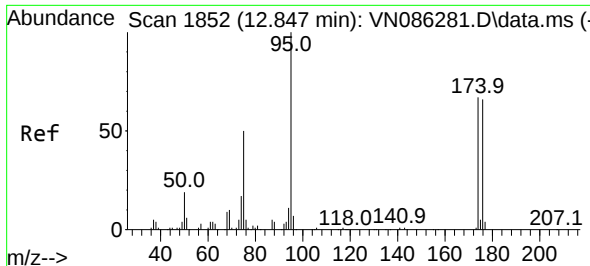


#50
Toluene-d8
Concen: 52.857 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086461.D
Acq: 02 May 2025 14:15



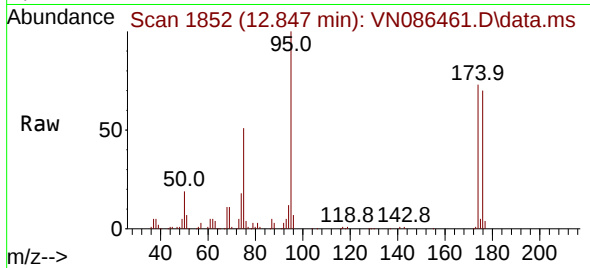
Tgt Ion: 98 Resp: 383001
Ion Ratio Lower Upper
98 100
100 64.6 52.5 78.7





#62
4-Bromofluorobenzene
Concen: 50.523 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086461.D
Acq: 02 May 2025 14:15

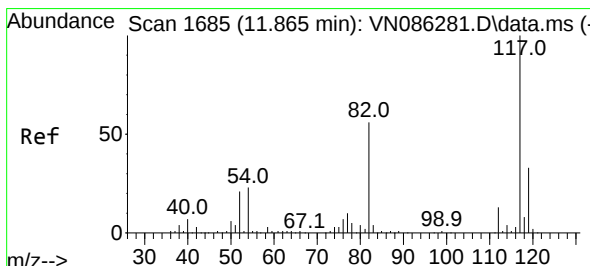
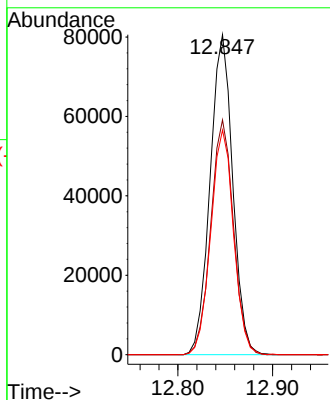
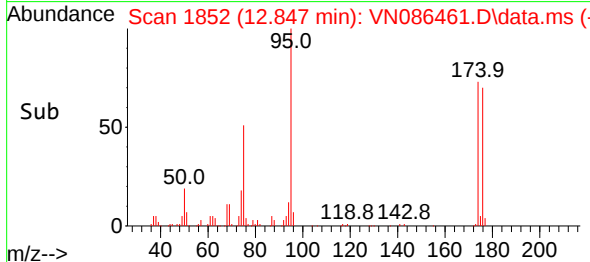
Instrument :
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ClientSampleId :
PB167816ZHE#06



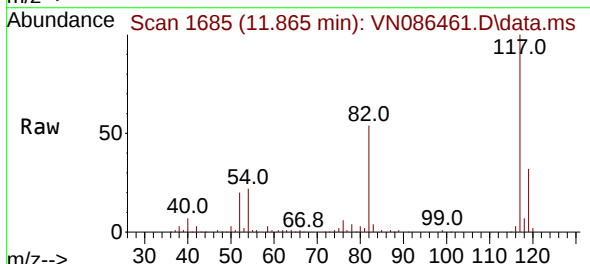
Tgt Ion: 95 Resp: 13352
Ion Ratio Lower Upper
95 100
174 73.8 0.0 133.4
176 70.7 0.0 129.2

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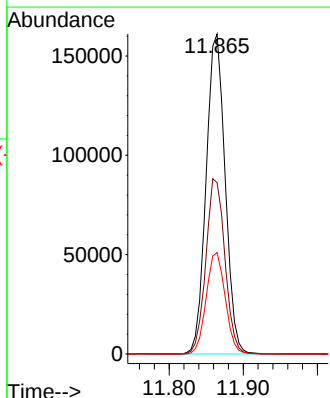
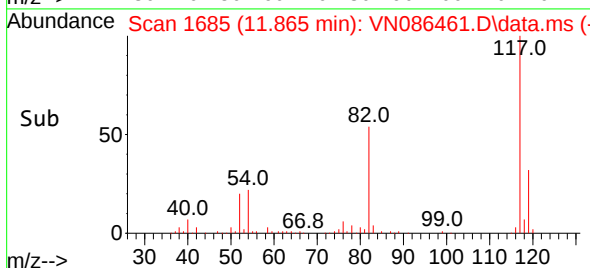
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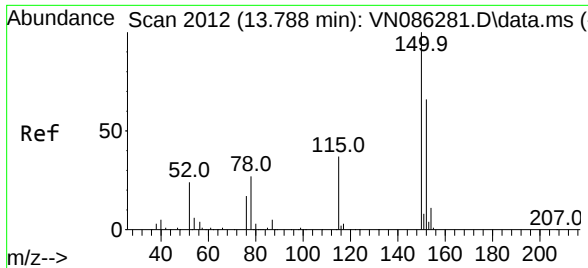


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086461.D
Acq: 02 May 2025 14:15



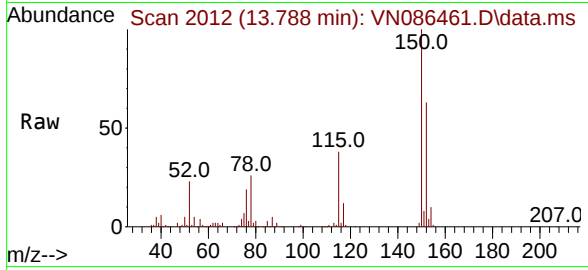
Tgt Ion:117 Resp: 286696
Ion Ratio Lower Upper
117 100
82 53.6 44.7 67.1
119 31.7 26.4 39.6





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN086461.D
Acq: 02 May 2025 14:15

Instrument :
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ClientSampleId :
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Tgt Ion:152 Resp: 114400
Ion Ratio Lower Upper
152 100
115 60.7 31.9 95.9
150 157.3 0.0 352.0

Manual Integrations
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