

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051325\
 Data File : VN086614.D
 Acq On : 13 May 2025 20:15
 Operator : JC\MD
 Sample : PB167964ZHE#12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167964ZHE#12

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/14/2025
 Supervised By : Mahesh Dadoda 05/14/2025

Quant Time: May 14 01:51:17 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	7.871	168	155737m	50.000	ug/l	-0.35
34) 1,4-Difluorobenzene	8.859	114	302509	50.000	ug/l	-0.24
63) Chlorobenzene-d5	11.806	117	302949m	50.000	ug/l	-0.06
72) 1,4-Dichlorobenzene-d4	13.776	152	129472	50.000	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.259	65	113761	50.374	ug/l	-0.32
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.740%	
35) Dibromofluoromethane	7.783	113	92563	65.929	ug/l	-0.38
Spiked Amount	50.000	Range	75 - 124	Recovery	= 131.860%#	
50) Toluene-d8	10.447	98	393908	52.496	ug/l	-0.12
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.000%	
62) 4-Bromofluorobenzene	12.818	95	143946m	52.595	ug/l	-0.03
Spiked Amount	50.000	Range	77 - 121	Recovery	= 105.200%	
Target Compounds						Qvalue
43) Isopropyl Acetate	8.406	43	30776	4.016	ug/l #	82

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

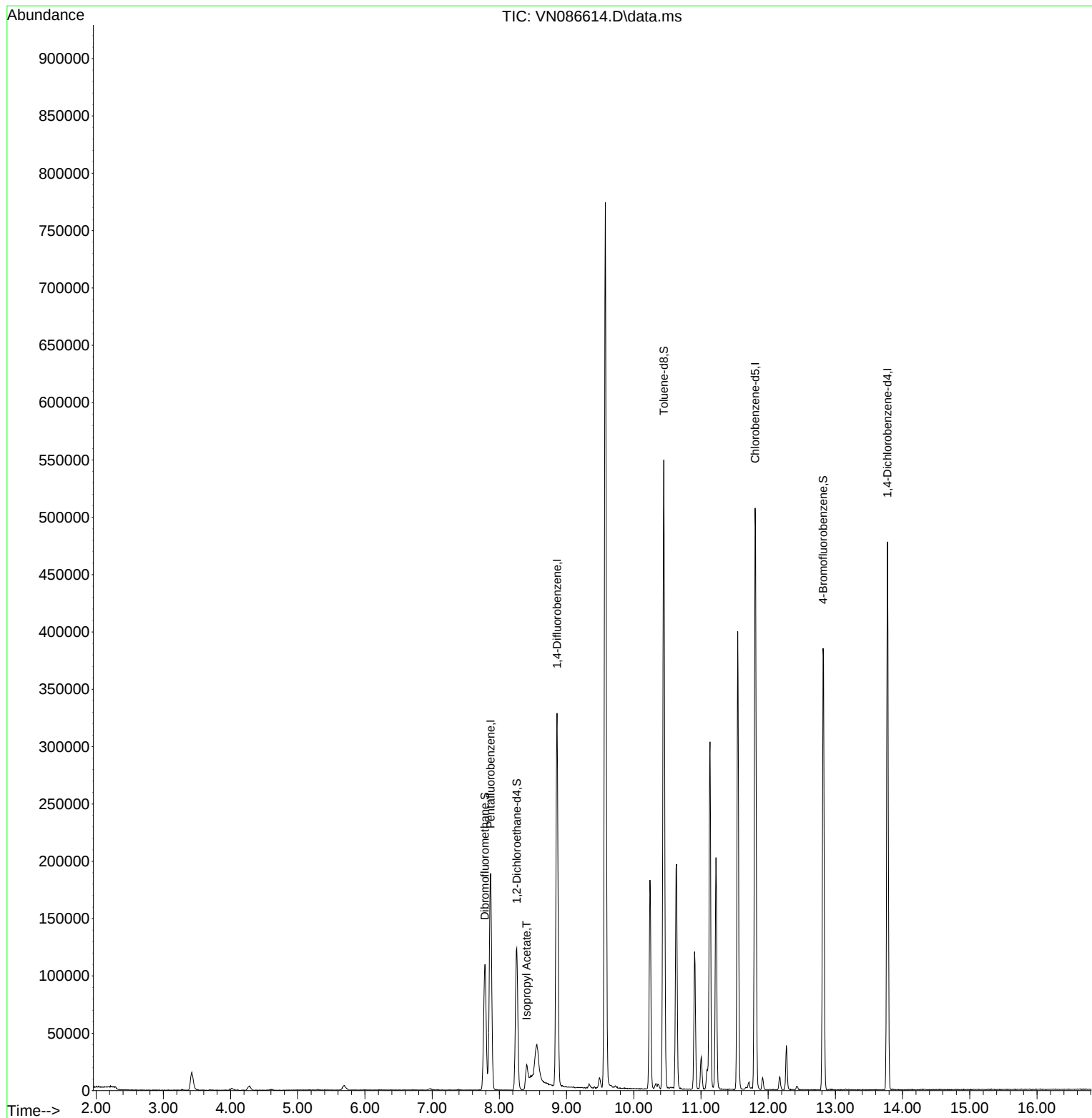
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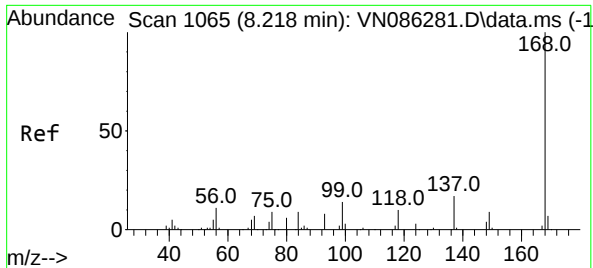
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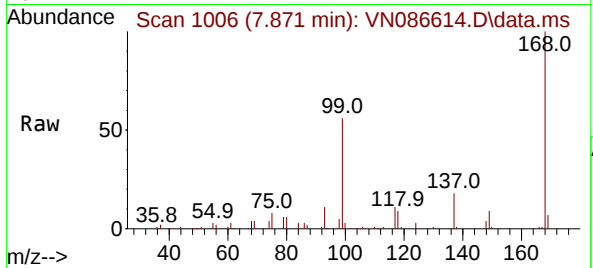
Quant Time: May 14 01:51:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l m
RT: 7.871 min Scan# 1072
Delta R.T. -0.347 min
Lab File: VN086614.D
Acq: 13 May 2025 20:15

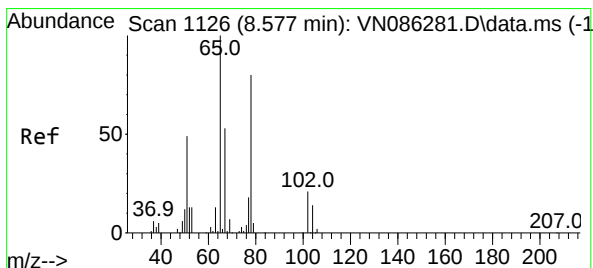
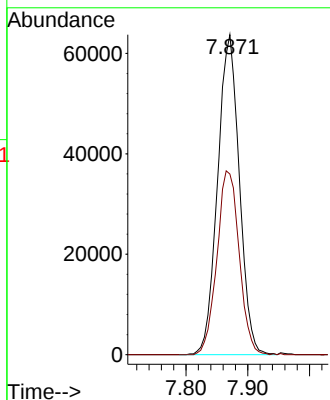
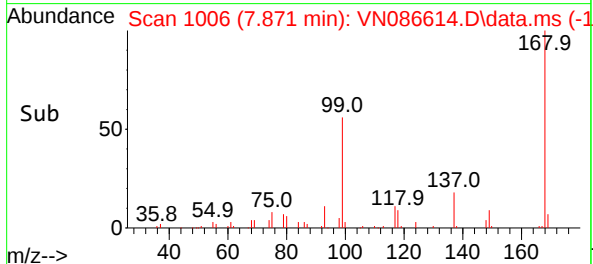
Instrument :
MSVOA_N
ClientSampleId :
PB167964ZHE#12



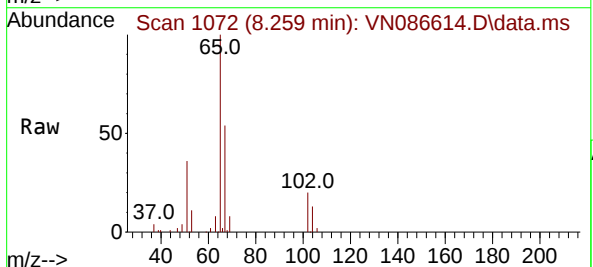
Tgt Ion:168 Resp: 15573
Ion Ratio Lower Upper
168 100
99 56.5 52.5 78.7

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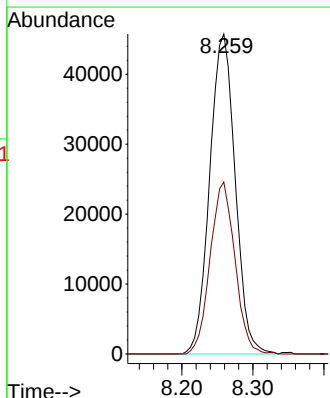
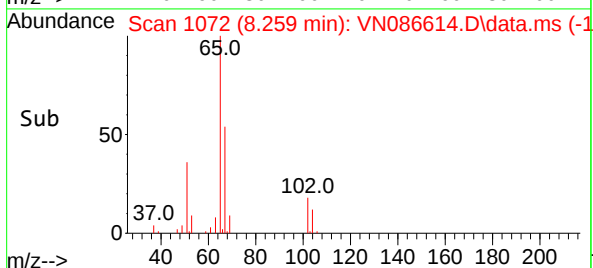
Reviewed By :John Carlone 05/14/2025
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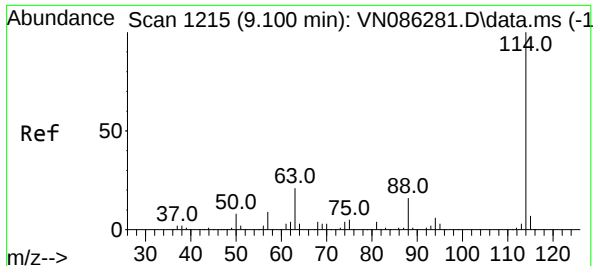


#33
1,2-Dichloroethane-d4
Concen: 50.374 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. -0.318 min
Lab File: VN086614.D
Acq: 13 May 2025 20:15



Tgt Ion: 65 Resp: 113761
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.859 min Scan# 1174

Delta R.T. -0.241 min

Lab File: VN086614.D

Acq: 13 May 2025 20:15

Instrument :

MSVOA_N

ClientSampleId :

PB167964ZHE#12

Tgt Ion:114 Resp: 302509

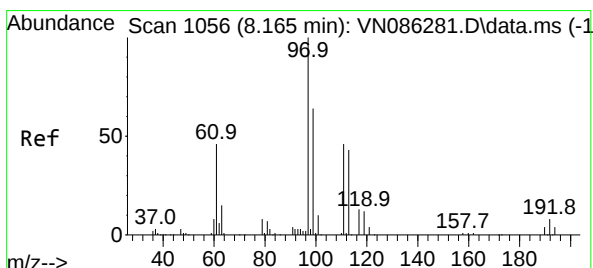
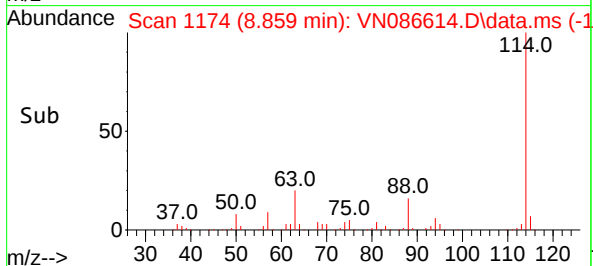
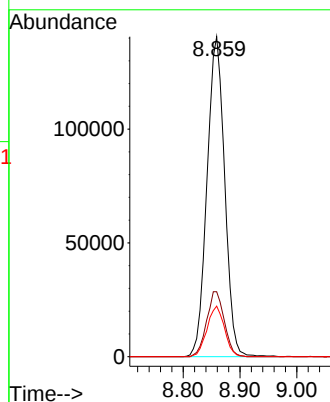
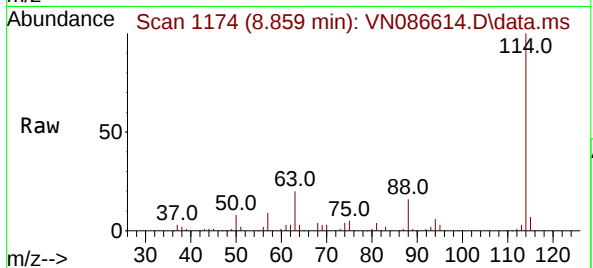
Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	42.6
88	15.8	0.0	31.8

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#35

Dibromofluoromethane

Concen: 65.929 ug/l

RT: 7.783 min Scan# 991

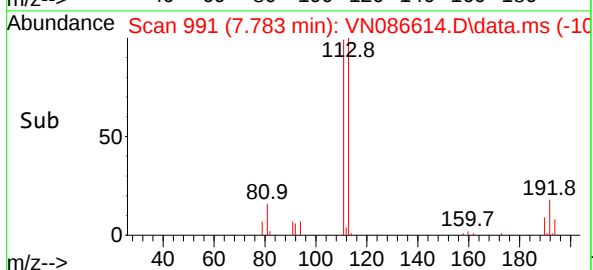
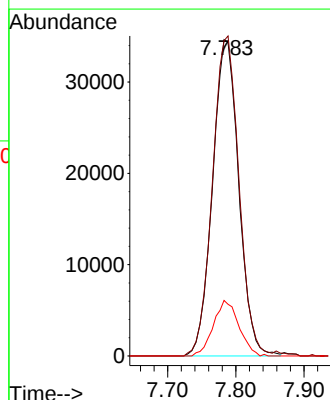
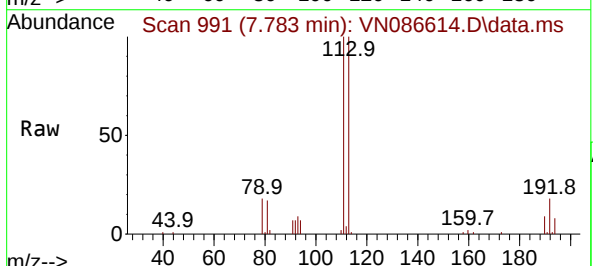
Delta R.T. -0.382 min

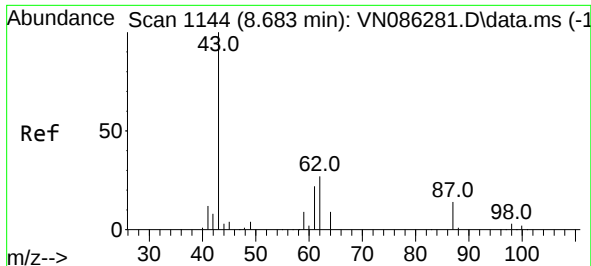
Lab File: VN086614.D

Acq: 13 May 2025 20:15

Tgt Ion:113 Resp: 92563

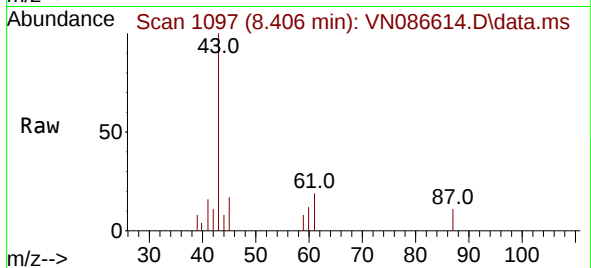
Ion	Ratio	Lower	Upper
113	100		
111	101.9	83.4	125.0
192	17.1	13.7	20.5





#43
Isopropyl Acetate
Concen: 4.016 ug/l
RT: 8.406 min Scan# 1097
Delta R.T. -0.277 min
Lab File: VN086614.D
Acq: 13 May 2025 20:15

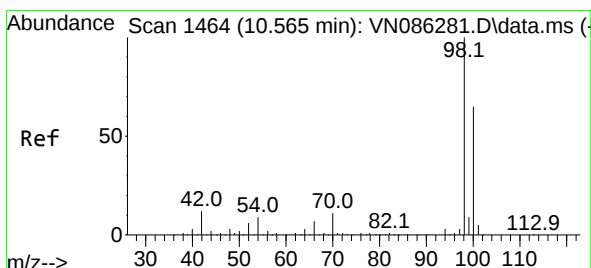
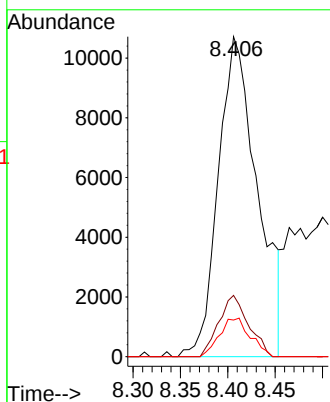
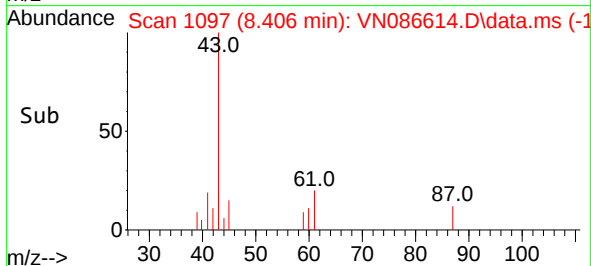
Instrument : MSVOA_N
ClientSampleId : PB167964ZHE#12



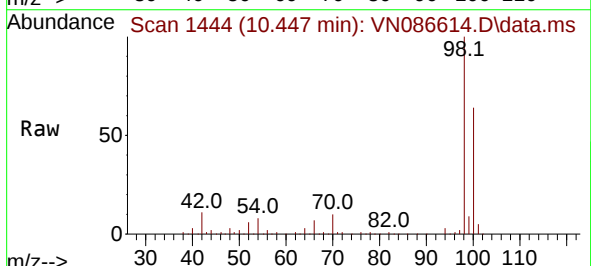
Tgt Ion: 43 Resp: 30770
Ion Ratio Lower Upper
43 100
61 14.5 20.5 30.7
87 9.5 10.5 15.7

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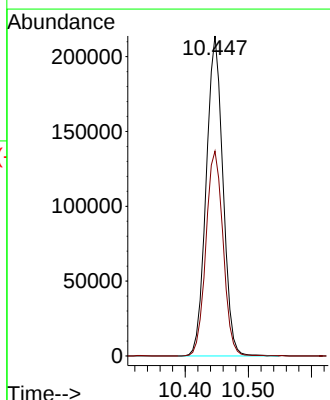
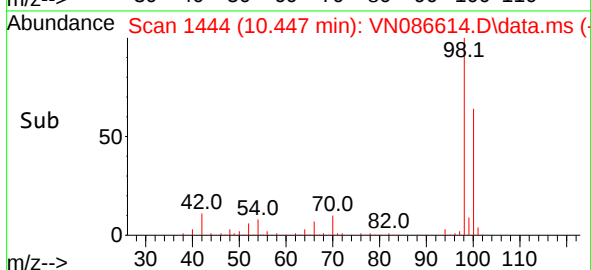
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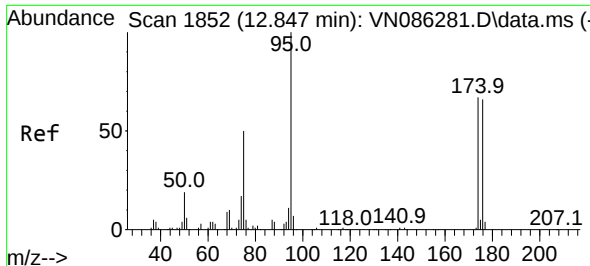


#50
Toluene-d8
Concen: 52.496 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.118 min
Lab File: VN086614.D
Acq: 13 May 2025 20:15



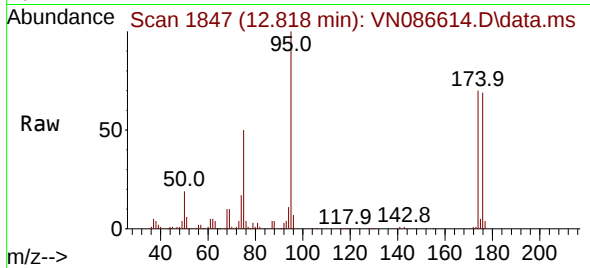
Tgt Ion: 98 Resp: 393908
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7





#62
4-Bromofluorobenzene
Concen: 52.595 ug/l m
RT: 12.818 min Scan# 1847
Delta R.T. -0.029 min
Lab File: VN086614.D
Acq: 13 May 2025 20:15

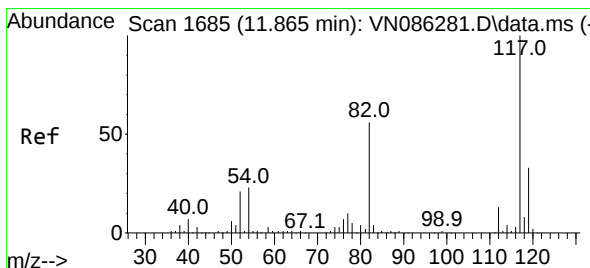
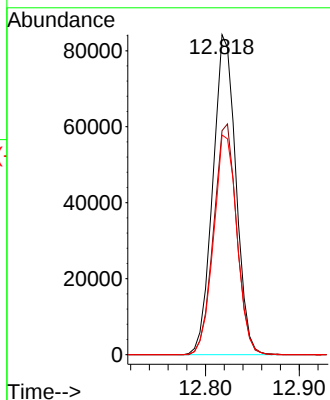
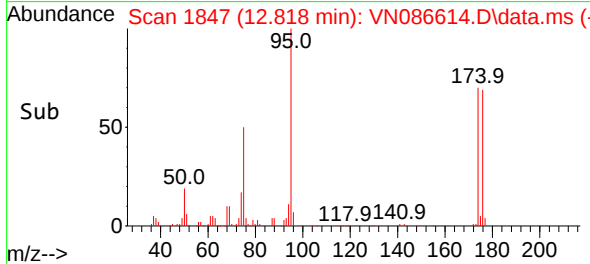
Instrument :
MSVOA_N
ClientSampleId :
PB167964ZHE#12



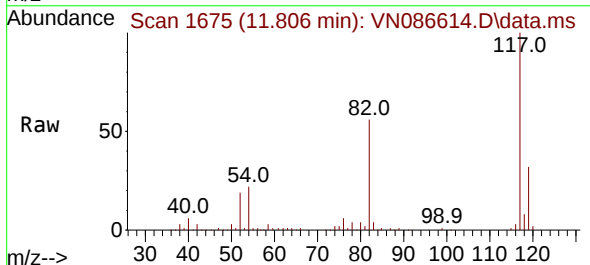
Tgt Ion: 95 Resp: 143940
Ion Ratio Lower Upper
95 100
174 0.0 0.0 133.4
176 0.0 0.0 129.2

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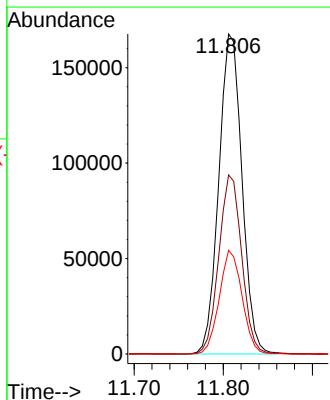
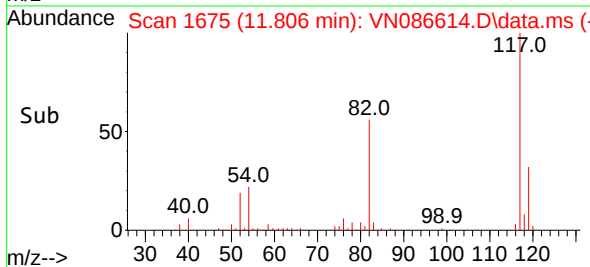
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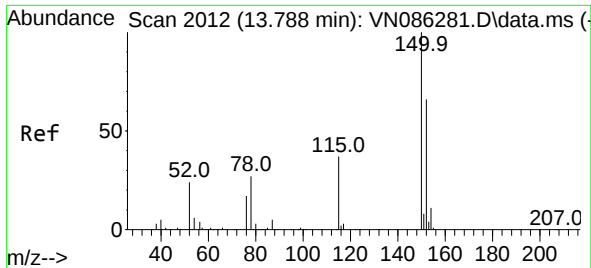


#63
Chlorobenzene-d5
Concen: 50.000 ug/l m
RT: 11.806 min Scan# 1675
Delta R.T. -0.059 min
Lab File: VN086614.D
Acq: 13 May 2025 20:15



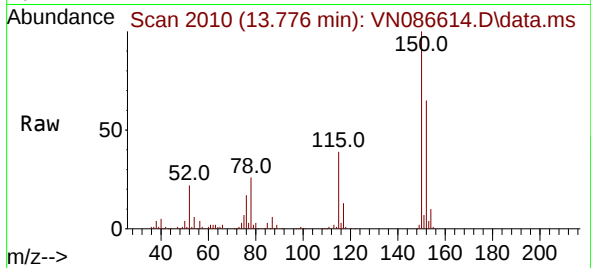
Tgt Ion:117 Resp: 302949
Ion Ratio Lower Upper
117 100
82 56.0 44.7 67.1
119 32.4 26.4 39.6





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.776 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: VN086614.D
 Acq: 13 May 2025 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167964ZHE#12



Tgt Ion:152 Resp: 129472
 Ion Ratio Lower Upper
 152 100
 115 60.6 31.9 95.9
 150 156.8 0.0 352.0

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