

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
 Data File : VN084074.D
 Acq On : 20 Sep 2024 16:45
 Operator : JC\MD
 Sample : PB163512ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB163512ZHE#07

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/23/2024
 Supervised By : Mahesh Dadoda 09/23/2024

Quant Time: Sep 23 01:05:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 06 23:42:47 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.818	128	24607	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	136911	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	125332	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	69507	30.902	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	103.000%		
60) 4-Bromofluorobenzene	12.847	95	52523	24.315	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	81.067%		
63) Toluene-d8	10.571	98	172913	29.795	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.333%		
Target Compounds						
15) Acetone	4.430	58	13648m	55.121	ug/l	Qvalue
18) Methylene Chloride	5.271	84	5031m	3.007	ug/l	
44) Isopropyl Acetate	8.688	43	216807m	60.838	ug/l	

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

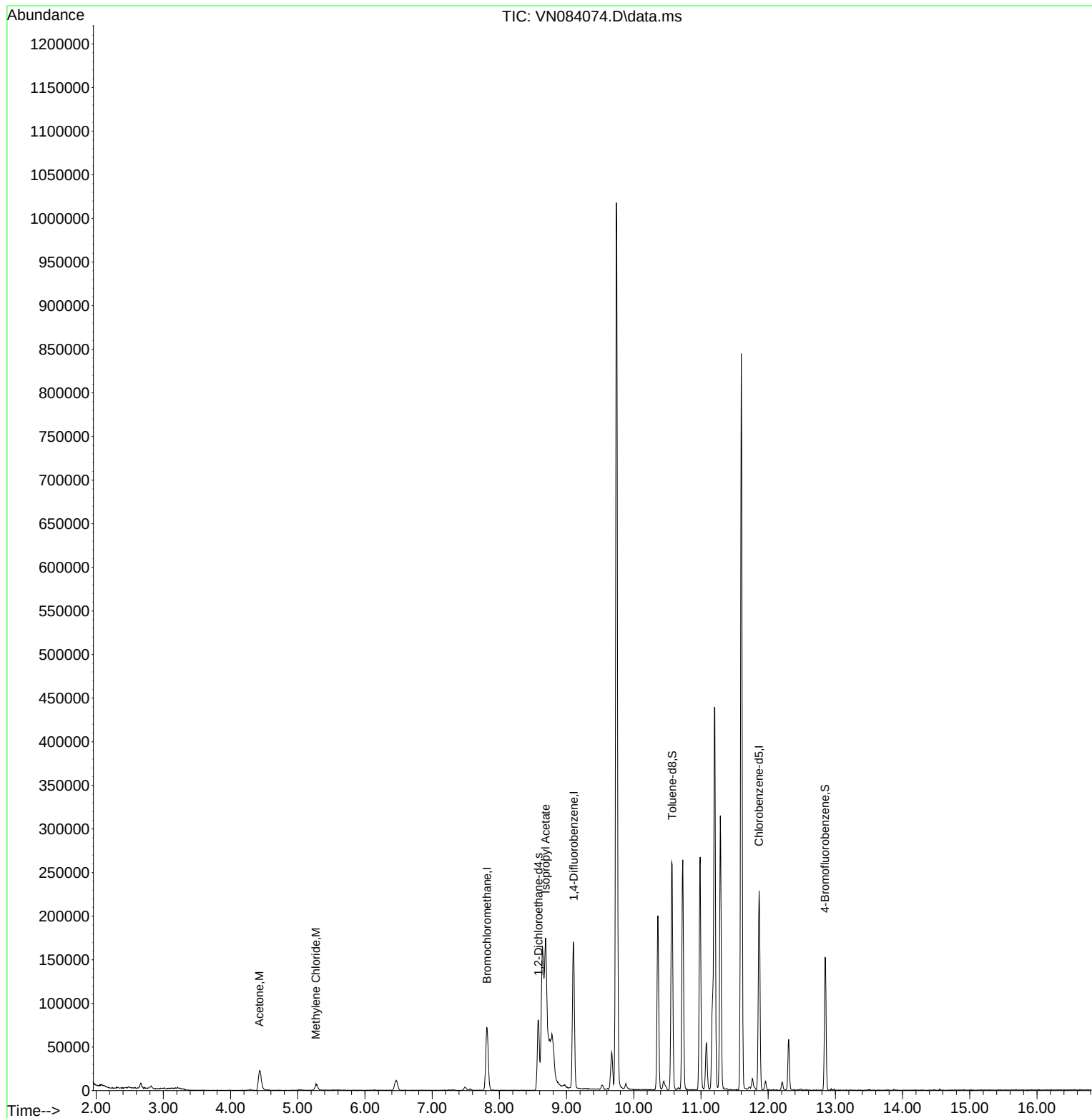
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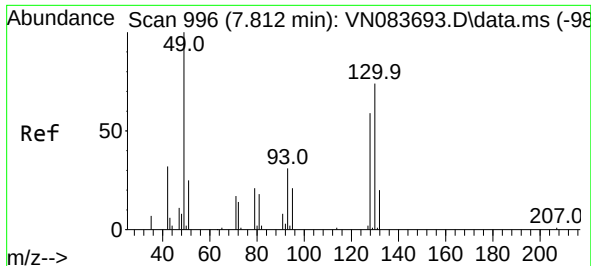
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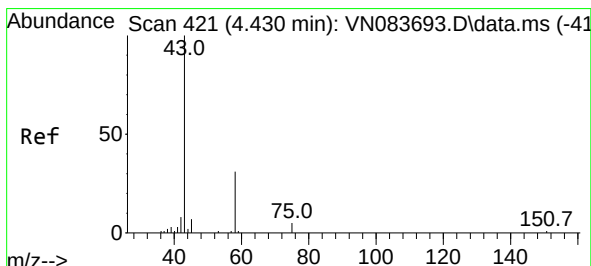
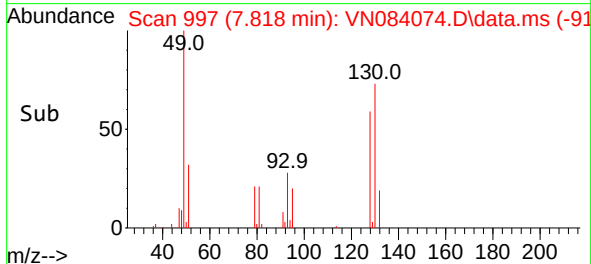
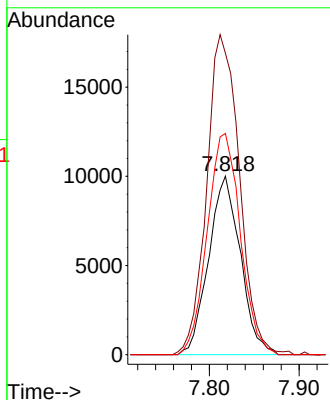
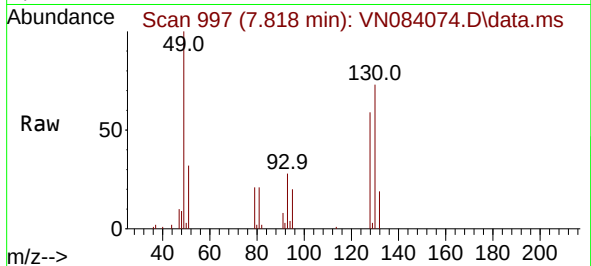
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN084074.D
Acq: 20 Sep 2024 16:45

Instrument :
MSVOA_N
ClientSampleId :
PB163512ZHE#07

Tgt Ion:128 Resp: 2460
Ion Ratio Lower Upper
128 100
49 184.7 0.0 403.7
130 129.3 0.0 323.3

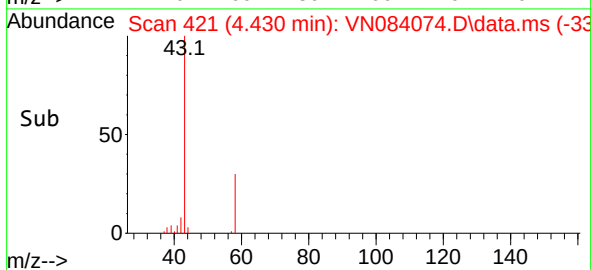
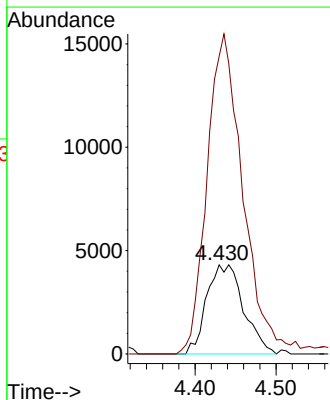
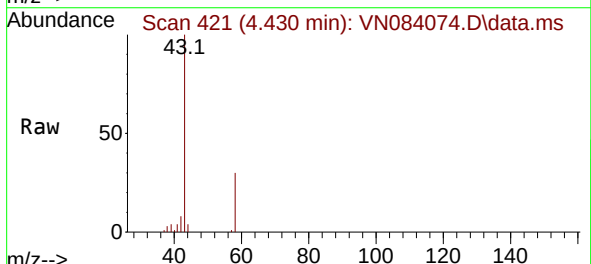
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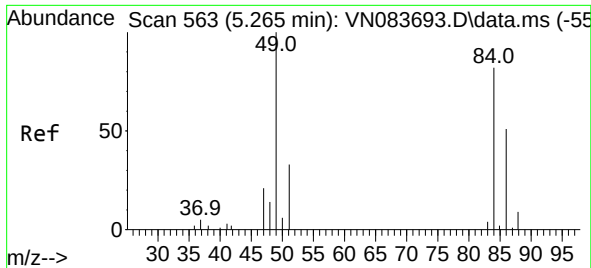
Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024



#15
Acetone
Concen: 55.121 ug/l m
RT: 4.430 min Scan# 421
Delta R.T. -0.000 min
Lab File: VN084074.D
Acq: 20 Sep 2024 16:45

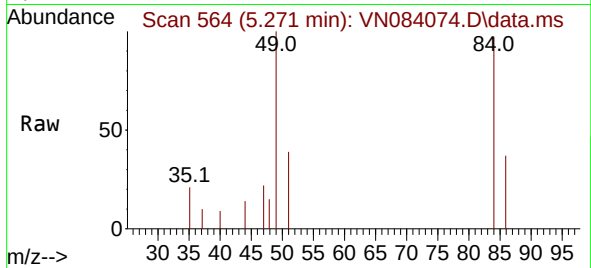
Tgt Ion: 58 Resp: 13648
Ion Ratio Lower Upper
58 100
43 333.6 223.1 334.7





#18
Methylene Chloride
Concen: 3.007 ug/l m
RT: 5.271 min Scan# 503
Delta R.T. 0.006 min
Lab File: VN084074.D
Acq: 20 Sep 2024 16:45

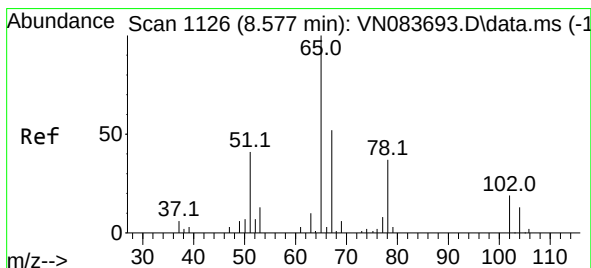
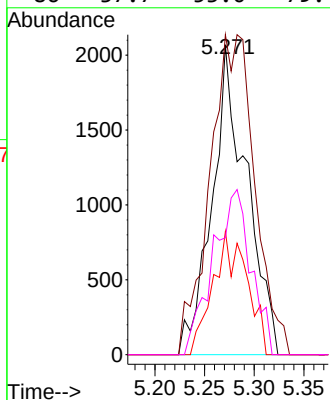
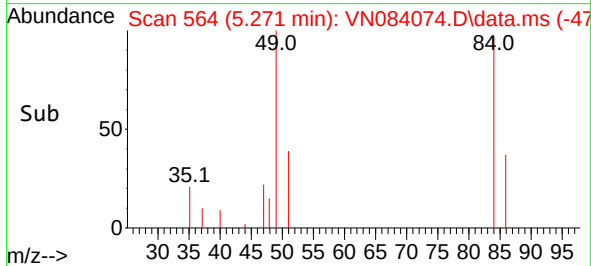
Instrument :
MSVOA_N
ClientSampleId :
PB163512ZHE#07



Tgt Ion: 84 Resp: 503
Ion Ratio Lower Upper
84 100
49 103.2 86.0 129.0
51 39.8 30.0 45.0
86 37.7 53.0 79.4#

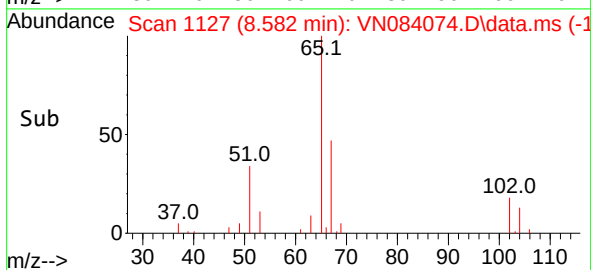
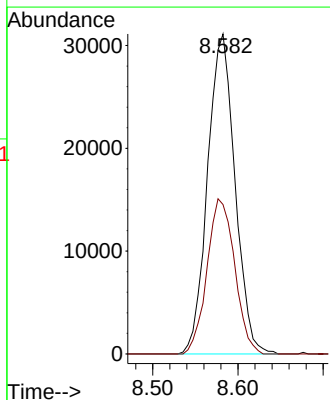
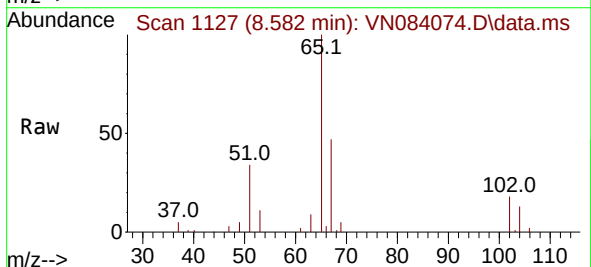
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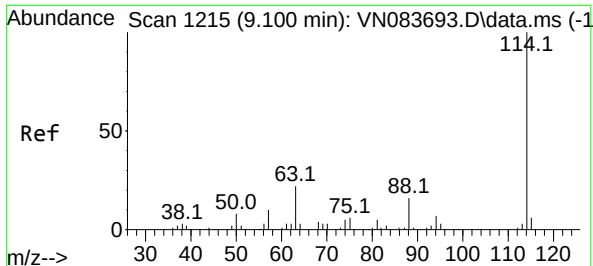
Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024



#27
1,2-Dichloroethane-d4
Concen: 30.902 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN084074.D
Acq: 20 Sep 2024 16:45

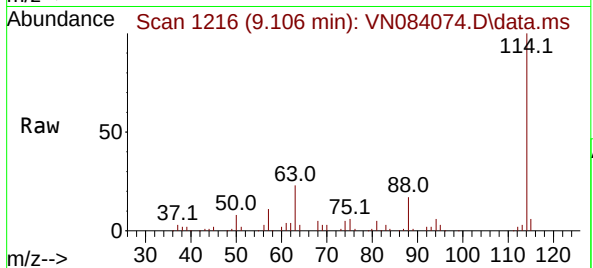
Tgt Ion: 65 Resp: 69507
Ion Ratio Lower Upper
65 100
67 48.9 43.2 64.8





#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 114
Delta R.T. 0.006 min
Lab File: VN084074.D
Acq: 20 Sep 2024 16:45

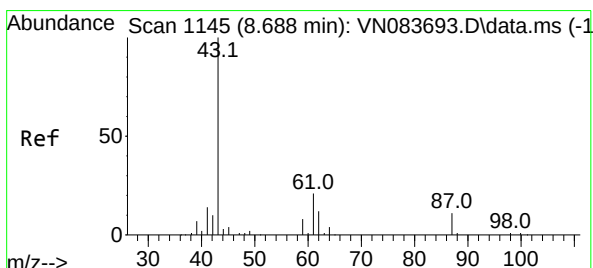
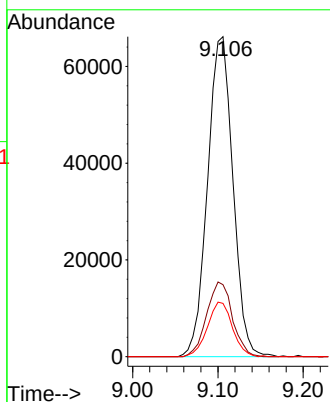
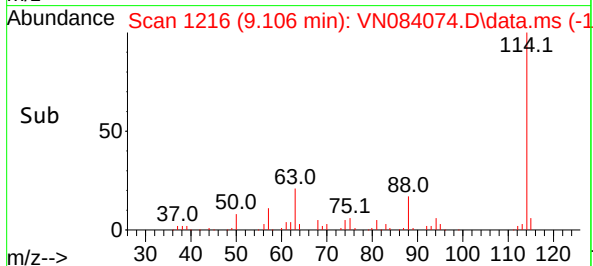
Instrument :
MSVOA_N
ClientSampleId :
PB163512ZHE#07



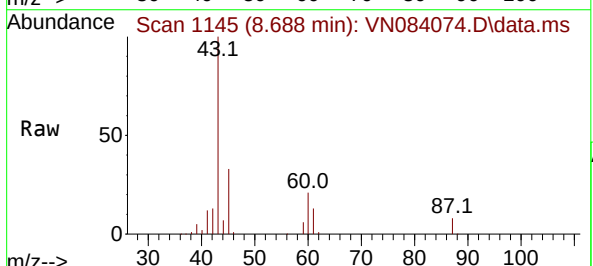
Tgt Ion:114 Resp: 13691
Ion Ratio Lower Upper
114 100
63 23.7 15.9 23.9
88 16.8 12.7 19.1

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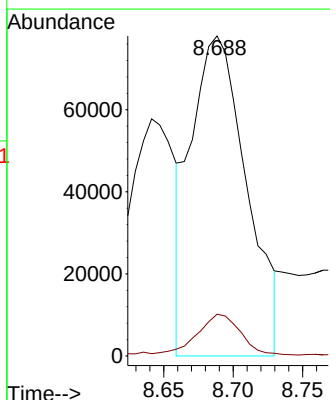
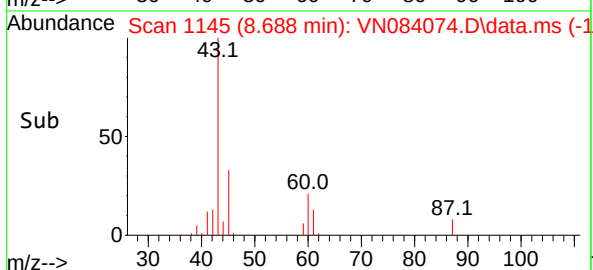
Reviewed By :John Carlone 09/23/2024
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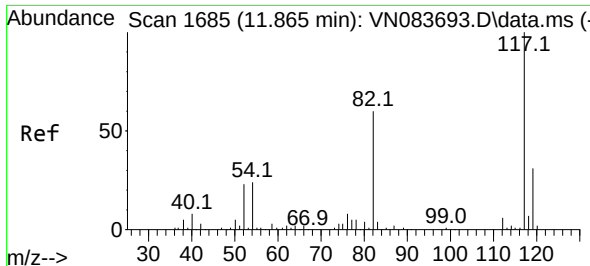


#44
Isopropyl Acetate
Concen: 60.838 ug/l m
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN084074.D
Acq: 20 Sep 2024 16:45



Tgt Ion: 43 Resp: 216807
Ion Ratio Lower Upper
43 100
61 0.1 25.0 37.4#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN084074.D

Acq: 20 Sep 2024 16:45

Instrument :

MSVOA_N

ClientSampleId :

PB163512ZHE#07

Tgt Ion:117 Resp: 12533

Ion Ratio Lower Upper

117 100

82 60.1 46.6 69.8

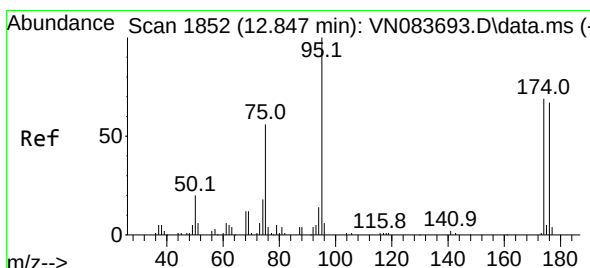
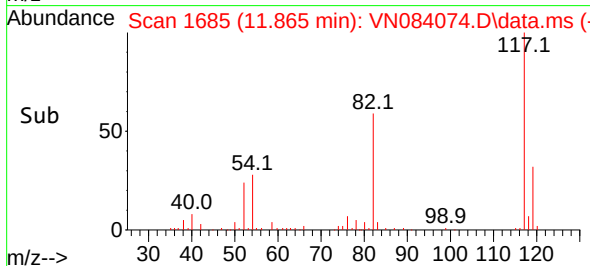
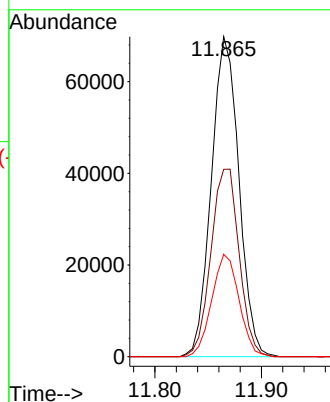
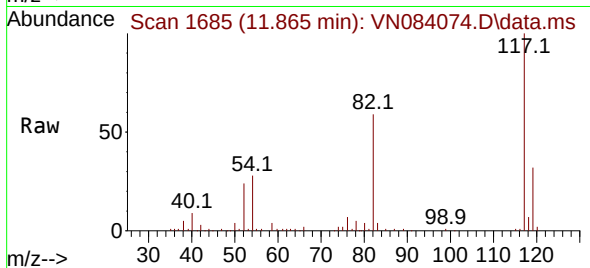
119 31.7 25.4 38.2

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#60

4-Bromofluorobenzene

Concen: 24.315 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN084074.D

Acq: 20 Sep 2024 16:45

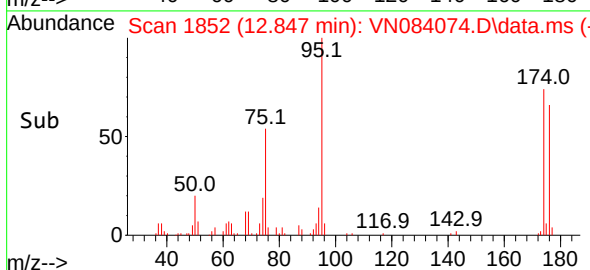
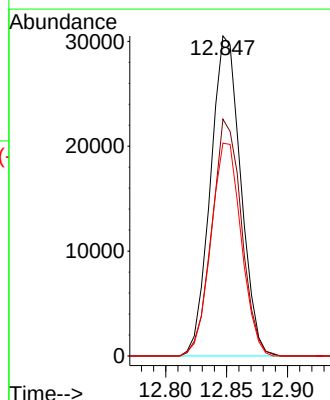
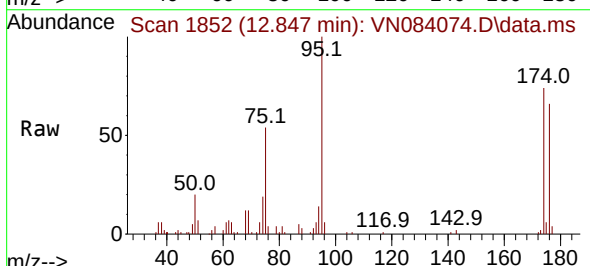
Tgt Ion: 95 Resp: 52523

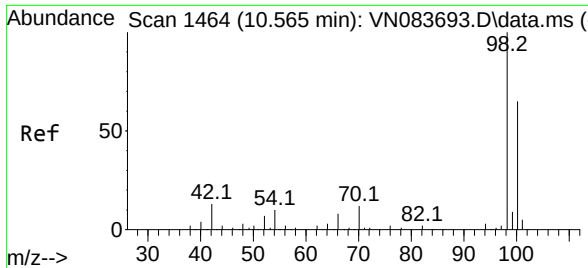
Ion Ratio Lower Upper

95 100

174 72.8 60.5 90.7

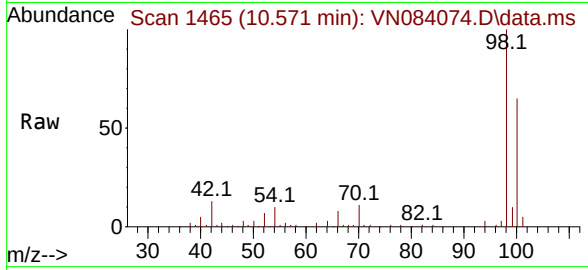
176 66.9 57.8 86.6





#63
Toluene-d8
Concen: 29.795 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN084074.D
Acq: 20 Sep 2024 16:45

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Tgt Ion: 98 Resp: 17291
Ion Ratio Lower Upper
98 100
100 65.0 52.7 79.1

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