

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
 Data File : VN084070.D
 Acq On : 20 Sep 2024 15:09
 Operator : JC\MD
 Sample : PB163512ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB163512ZHE#03

Manual Integrations
 APPROVED

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

Quant Time: Sep 23 01:03:58 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	25001	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	134631	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	123638	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	68191	29.839	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.467%		
60) 4-Bromofluorobenzene	12.847	95	53736	25.218	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	84.067%		
63) Toluene-d8	10.565	98	168770	29.480	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.267%		
Target Compounds						
						Qvalue
15) Acetone	4.430	58	14666	58.299	ug/l #	68
18) Methylene Chloride	5.277	84	7307	4.298	ug/l #	85
44) Isopropyl Acetate	8.688	43	178256m	50.867	ug/l	

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

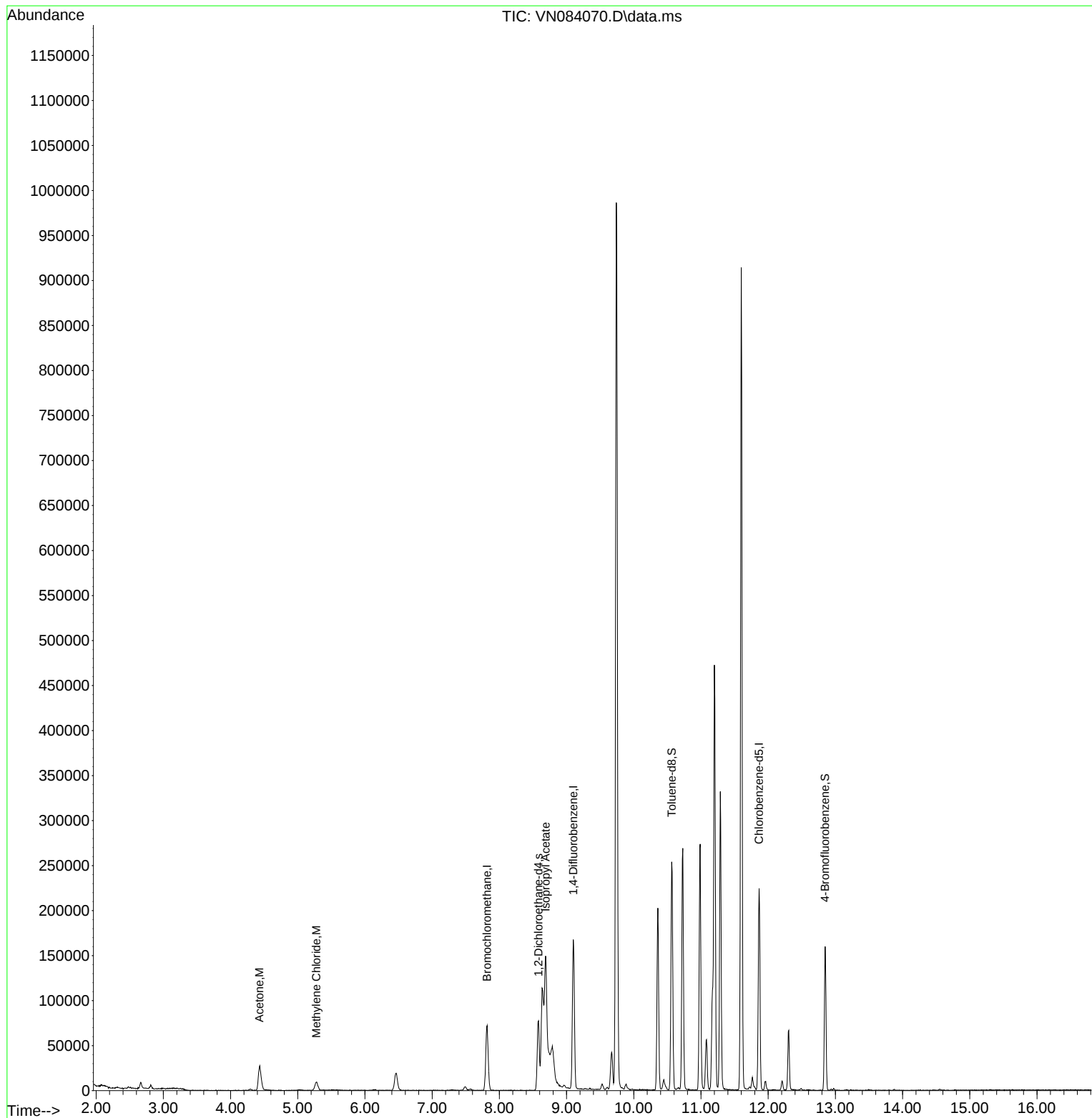
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
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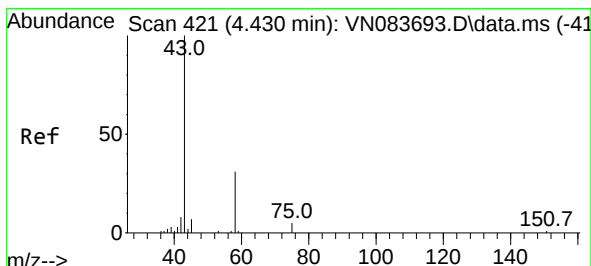
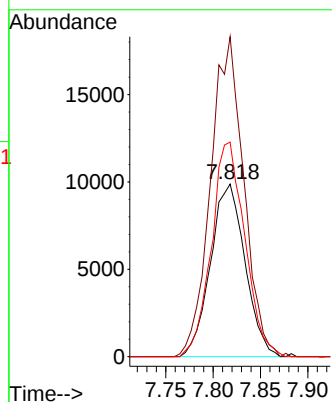
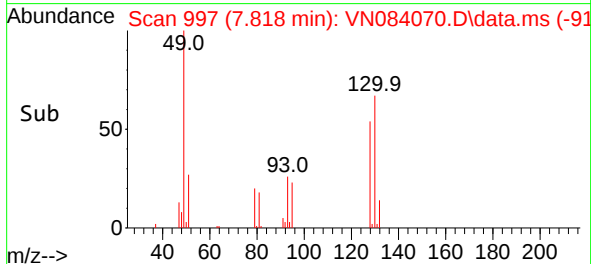
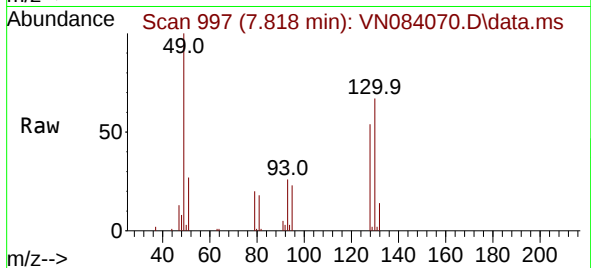
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN084070.D
Acq: 20 Sep 2024 15:09

Instrument :
MSVOA_N
ClientSampleId :
PB163512ZHE#03

Tgt Ion:128 Resp: 2500
Ion Ratio Lower Upper
128 100
49 178.3 0.0 403.7
130 120.7 0.0 323.3

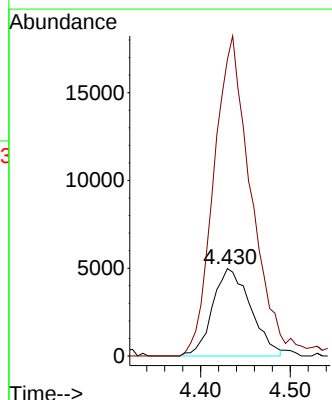
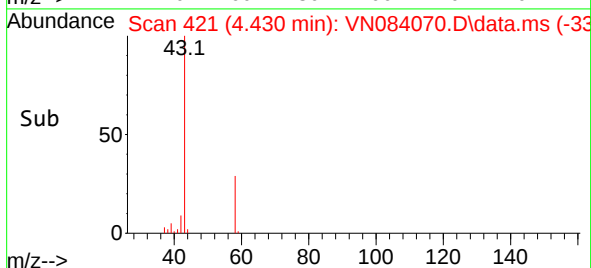
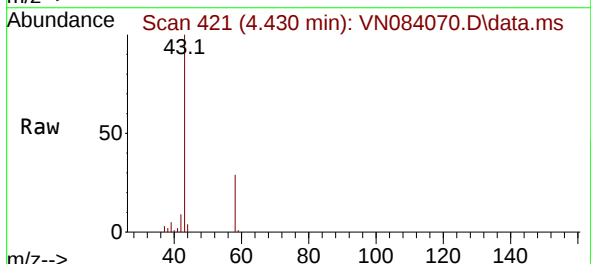
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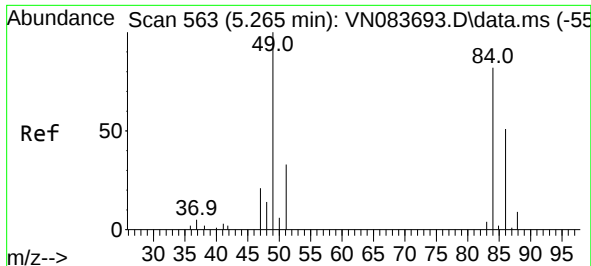
Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024



#15
Acetone
Concen: 58.299 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.000 min
Lab File: VN084070.D
Acq: 20 Sep 2024 15:09

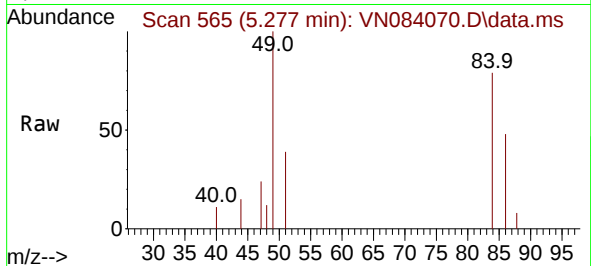
Tgt Ion: 58 Resp: 14666
Ion Ratio Lower Upper
58 100
43 339.1 223.1 334.7#





#18
Methylene Chloride
Concen: 4.298 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN084070.D
Acq: 20 Sep 2024 15:09

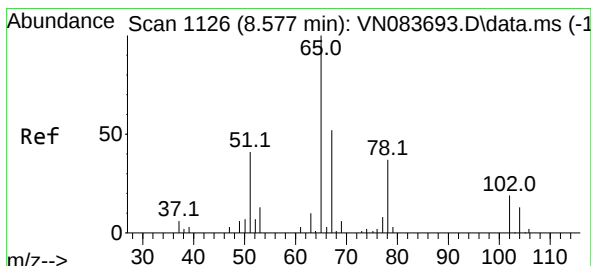
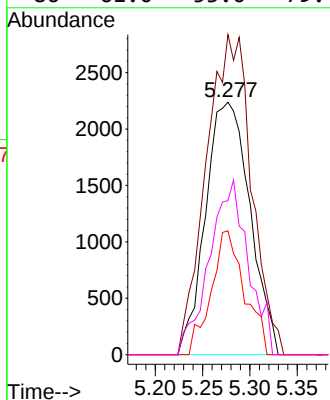
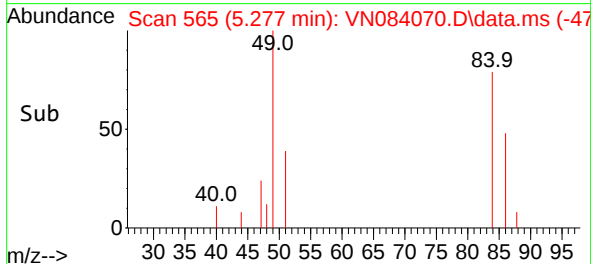
Instrument :
MSVOA_N
ClientSampleId :
PB163512ZHE#03



Tgt Ion: 84 Resp: 730
Ion Ratio Lower Upper
84 100
49 126.7 86.0 129.0
51 49.1 30.0 45.0
86 61.0 53.0 79.4

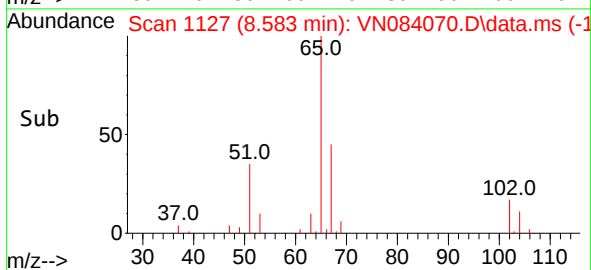
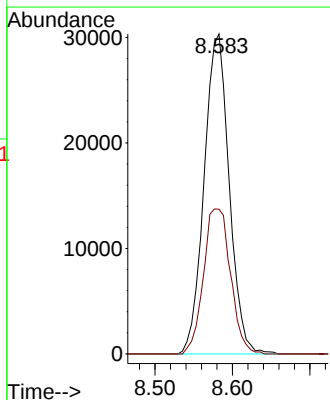
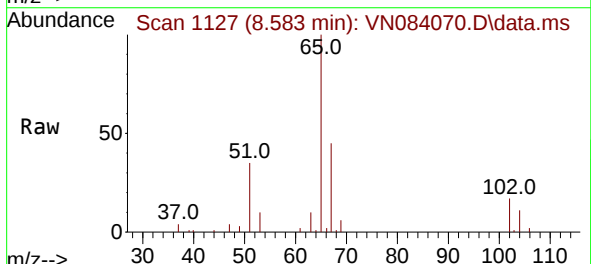
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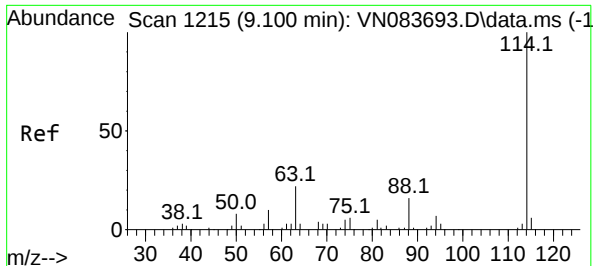
Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024



#27
1,2-Dichloroethane-d4
Concen: 29.839 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN084070.D
Acq: 20 Sep 2024 15:09

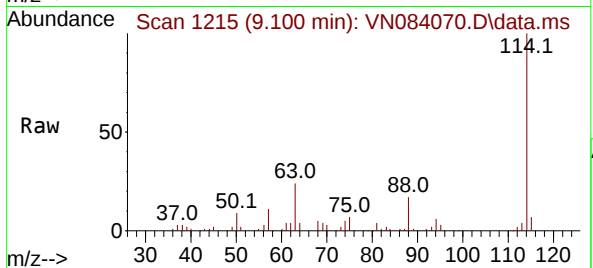
Tgt Ion: 65 Resp: 68191
Ion Ratio Lower Upper
65 100
67 48.9 43.2 64.8





#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084070.D
Acq: 20 Sep 2024 15:09

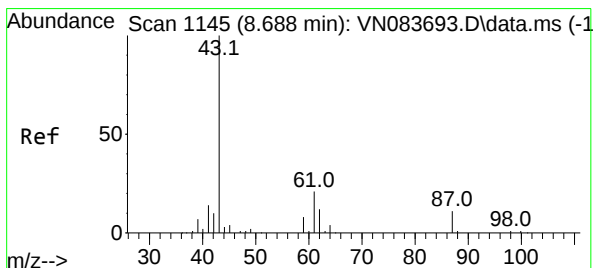
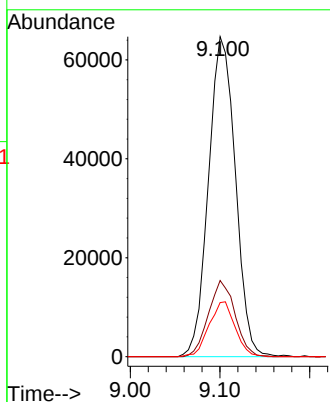
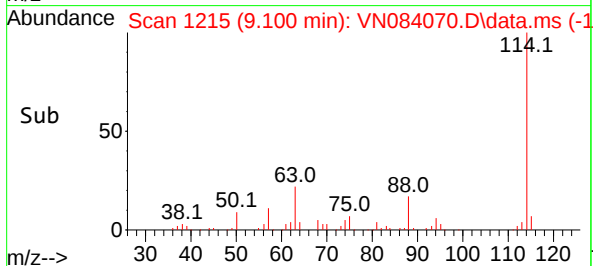
Instrument :
MSVOA_N
ClientSampleId :
PB163512ZHE#03



Tgt Ion:114 Resp: 13463
Ion Ratio Lower Upper
114 100
63 23.5 15.9 23.9
88 16.6 12.7 19.1

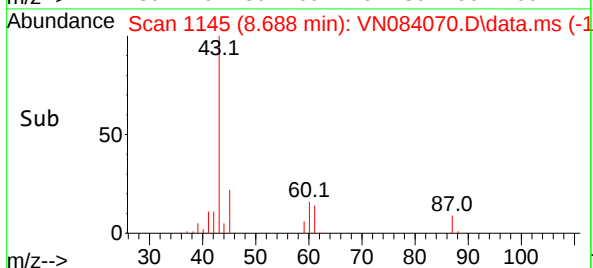
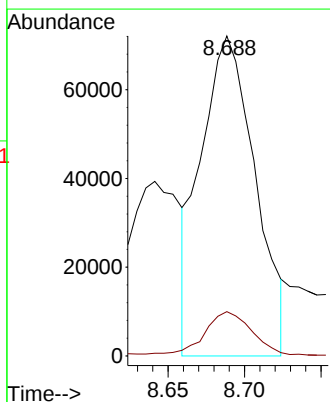
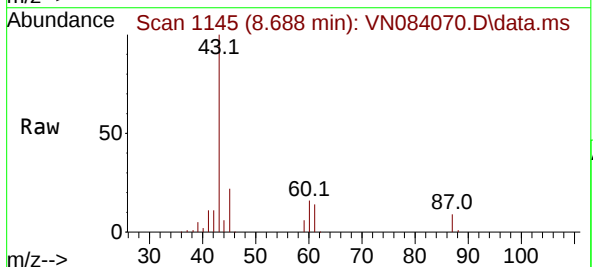
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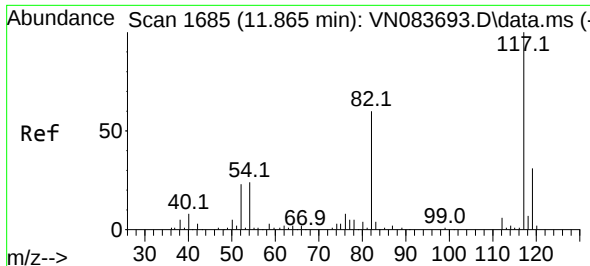
Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024



#44
Isopropyl Acetate
Concen: 50.867 ug/l m
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084070.D
Acq: 20 Sep 2024 15:09

Tgt Ion: 43 Resp: 178256
Ion Ratio Lower Upper
43 100
61 12.6 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: VN084070.D

Acq: 20 Sep 2024 15:09

Instrument :

MSVOA_N

ClientSampleId :

PB163512ZHE#03

Tgt Ion:117 Resp: 123638

Ion Ratio Lower Upper

117 100

82 59.8 46.6 69.8

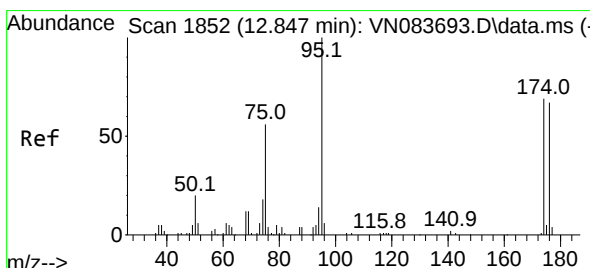
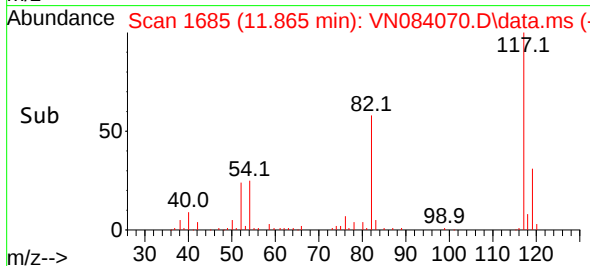
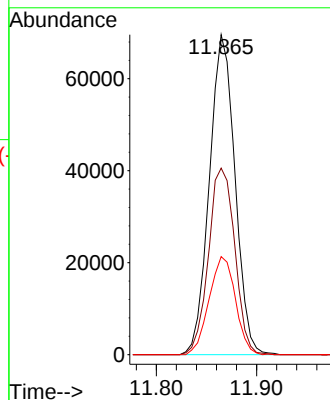
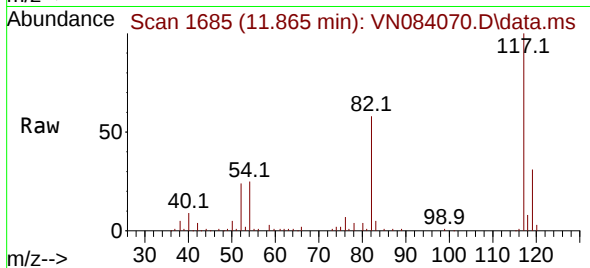
119 31.5 25.4 38.2

Manual Integrations

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#60

4-Bromofluorobenzene

Concen: 25.218 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN084070.D

Acq: 20 Sep 2024 15:09

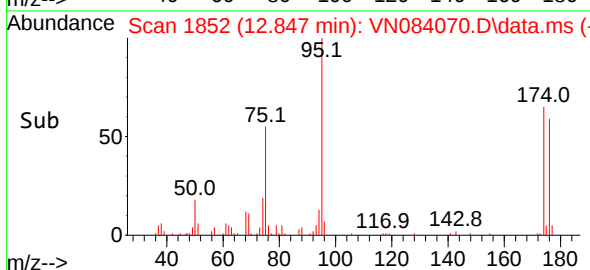
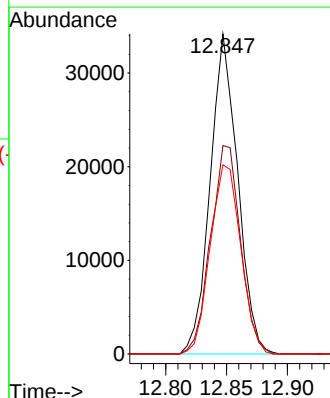
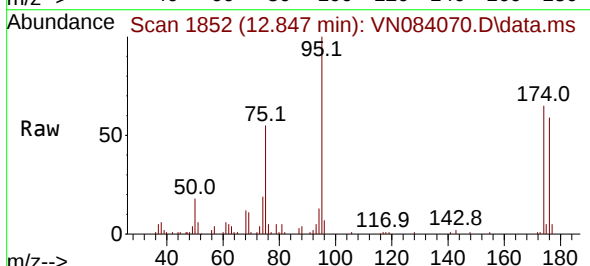
Tgt Ion: 95 Resp: 53736

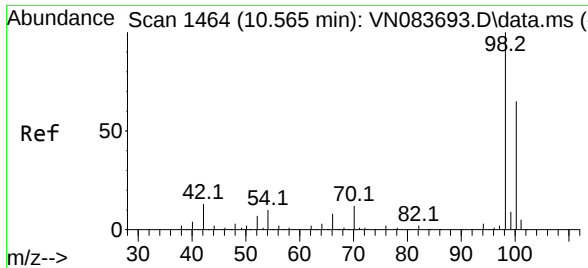
Ion Ratio Lower Upper

95 100

174 70.5 60.5 90.7

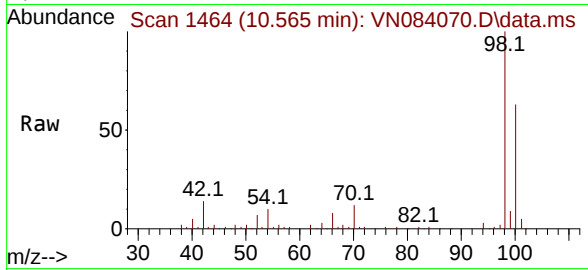
176 65.5 57.8 86.6





#63
Toluene-d8
Concen: 29.480 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084070.D
Acq: 20 Sep 2024 15:09

Instrument :
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Tgt Ion: 98 Resp: 168770
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1

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