

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
 Data File : VN084073.D
 Acq On : 20 Sep 2024 16:21
 Operator : JC\MD
 Sample : PB163512ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB163512ZHE#06

Manual Integrations
 APPROVED

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

Quant Time: Sep 23 01:05:18 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	7.812	128	23463	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	128201	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	116622	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	65947	30.749	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.500%			
60) 4-Bromofluorobenzene	12.847	95	48741	24.250	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 80.833%			
63) Toluene-d8	10.565	98	161899	29.981	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.933%			
Target Compounds						
15) Acetone	4.430	58	13868	58.741	ug/l	Qvalue 81
18) Methylene Chloride	5.289	84	5153m	3.230	ug/l	
44) Isopropyl Acetate	8.688	43	215844m	64.683	ug/l	

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

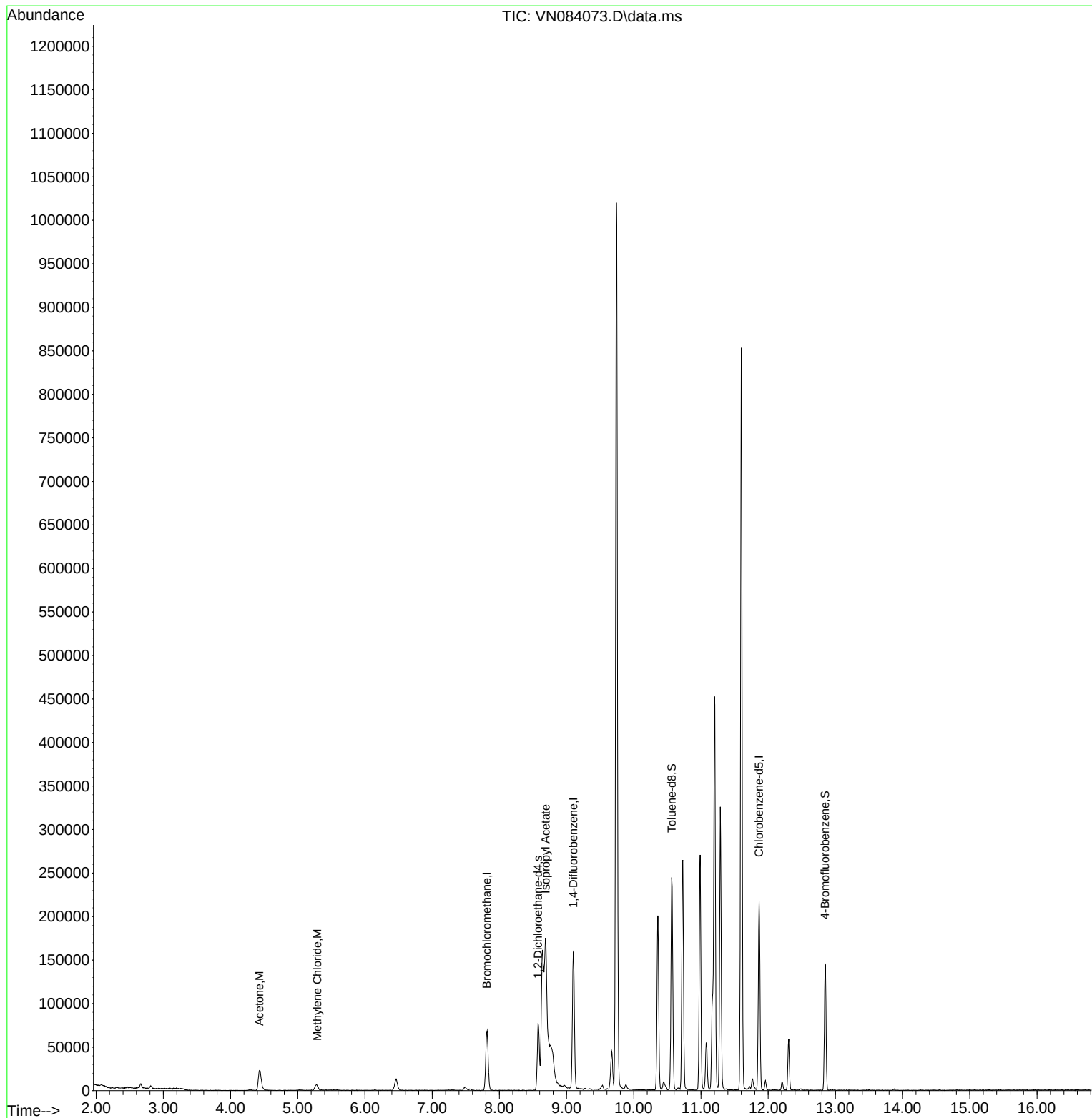
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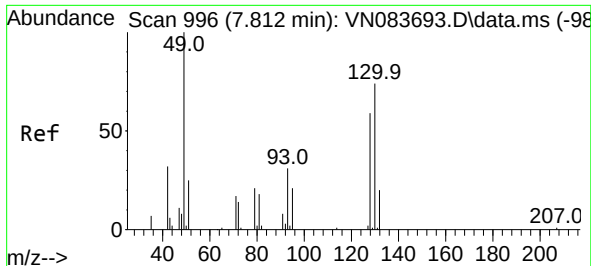
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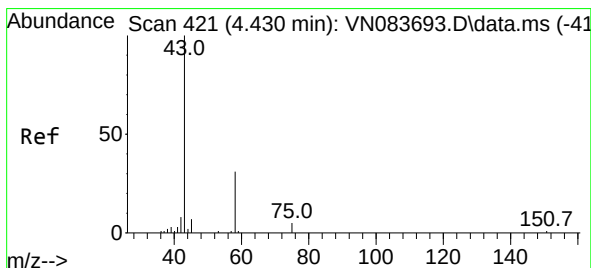
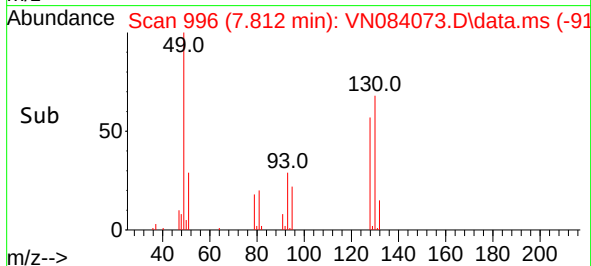
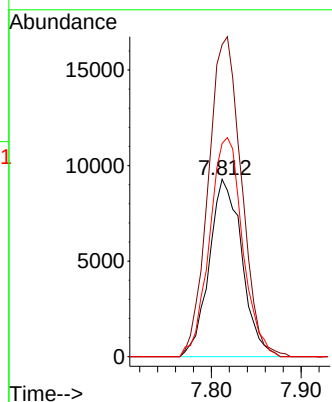
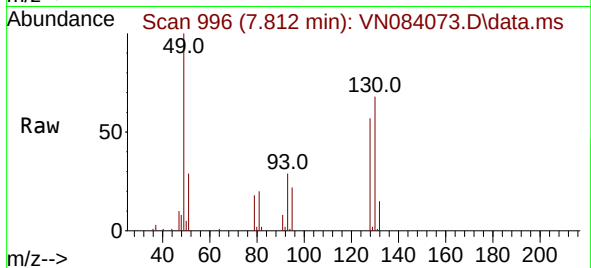
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084073.D
Acq: 20 Sep 2024 16:21

Instrument :
MSVOA_N
ClientSampleId :
PB163512ZHE#06

Tgt Ion:128 Resp: 2346
Ion Ratio Lower Upper
128 100
49 182.7 0.0 403.7
130 124.8 0.0 323.3

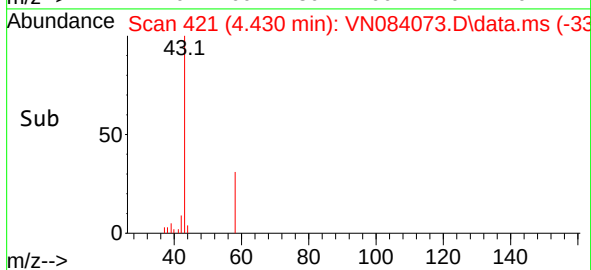
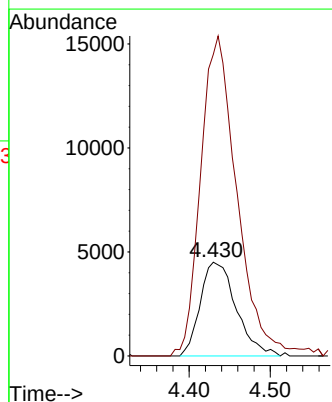
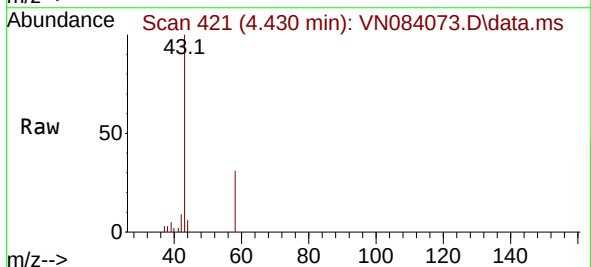
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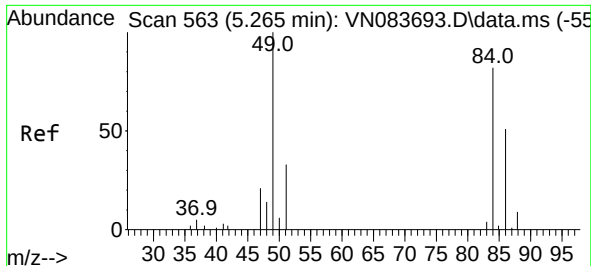
Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024



#15
Acetone
Concen: 58.741 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.000 min
Lab File: VN084073.D
Acq: 20 Sep 2024 16:21

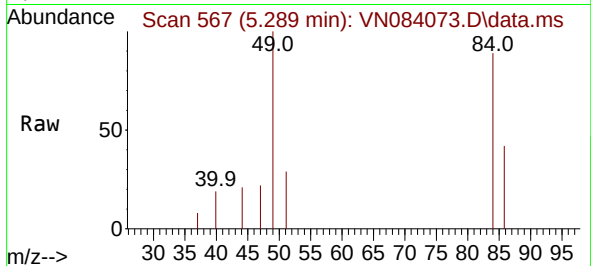
Tgt Ion: 58 Resp: 13868
Ion Ratio Lower Upper
58 100
43 314.7 223.1 334.7





#18
Methylene Chloride
Concen: 3.230 ug/l m
RT: 5.289 min Scan# 515
Delta R.T. 0.024 min
Lab File: VN084073.D
Acq: 20 Sep 2024 16:21

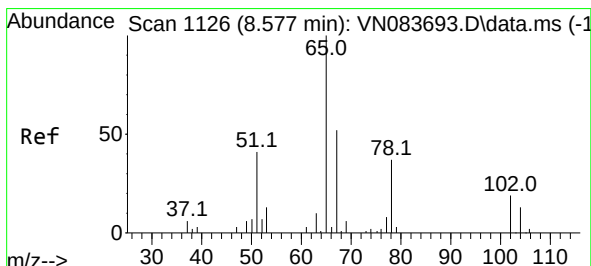
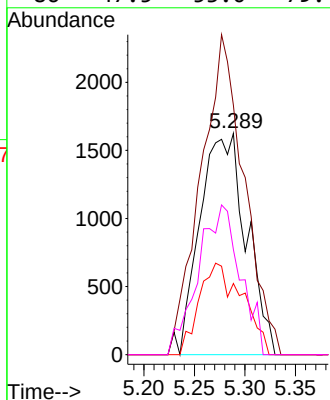
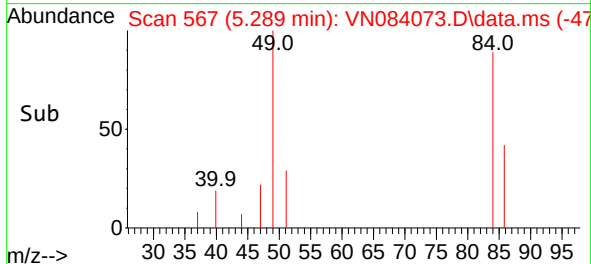
Instrument :
MSVOA_N
ClientSampleId :
PB163512ZHE#06



Tgt Ion: 84 Resp: 515
Ion Ratio Lower Upper
84 100
49 112.7 86.0 129.0
51 32.2 30.0 45.0
86 47.5 53.0 79.4#

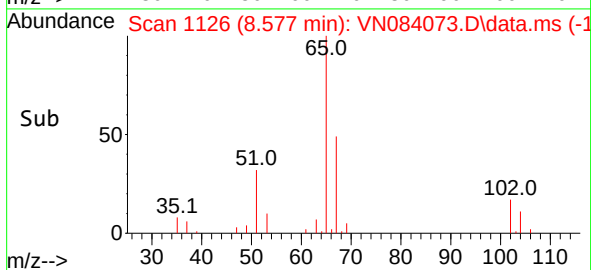
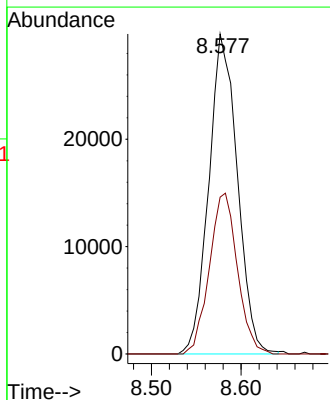
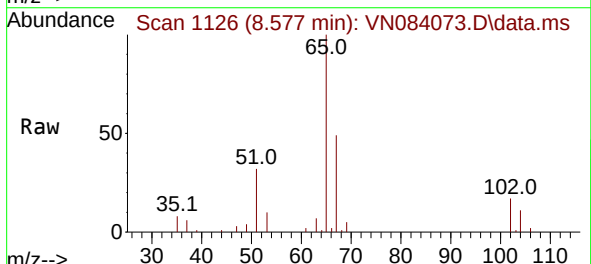
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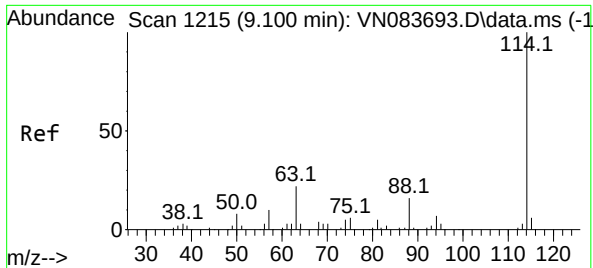
Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024



#27
1,2-Dichloroethane-d4
Concen: 30.749 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084073.D
Acq: 20 Sep 2024 16:21

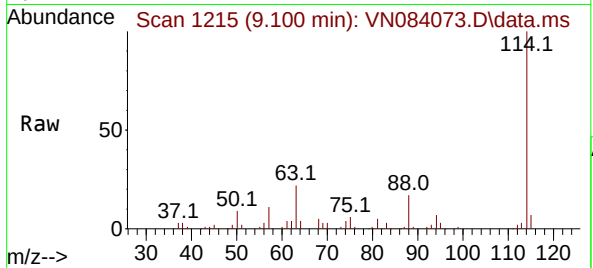
Tgt Ion: 65 Resp: 65947
Ion Ratio Lower Upper
65 100
67 49.3 43.2 64.8





#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 114
Delta R.T. -0.000 min
Lab File: VN084073.D
Acq: 20 Sep 2024 16:21

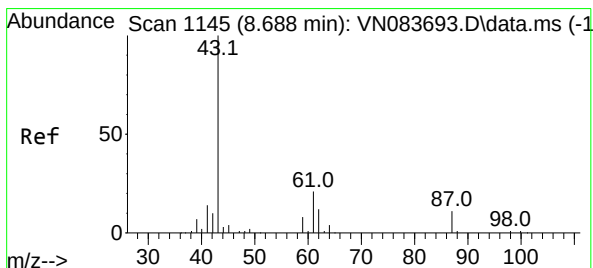
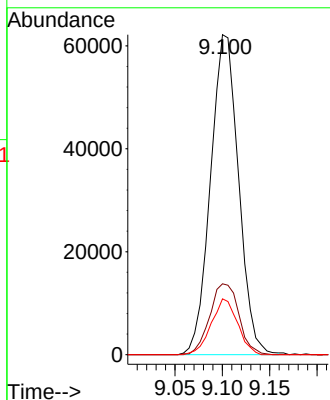
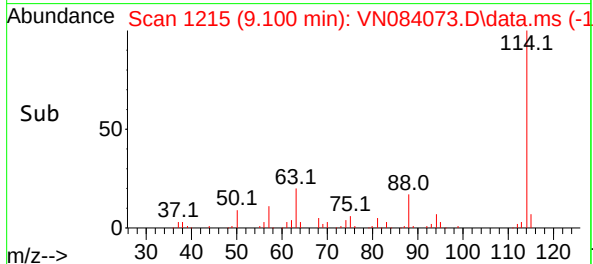
Instrument :
MSVOA_N
ClientSampleId :
PB163512ZHE#06



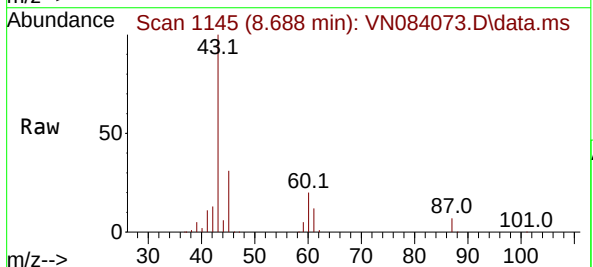
Tgt Ion:114 Resp: 12820
Ion Ratio Lower Upper
114 100
63 23.0 15.9 23.9
88 16.4 12.7 19.1

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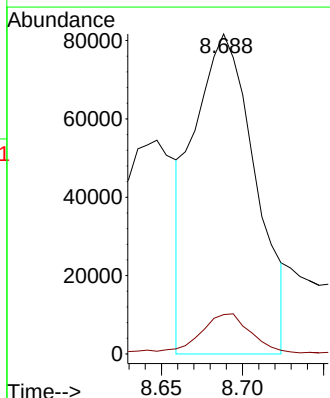
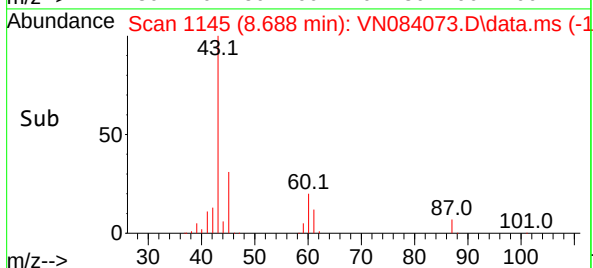
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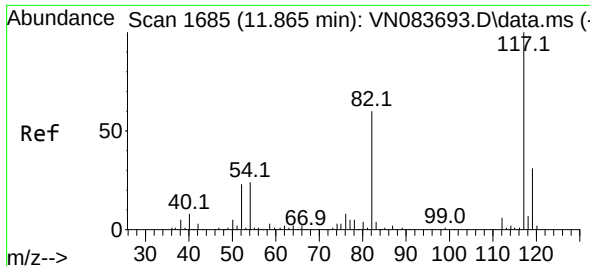


#44
Isopropyl Acetate
Concen: 64.683 ug/l m
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN084073.D
Acq: 20 Sep 2024 16:21



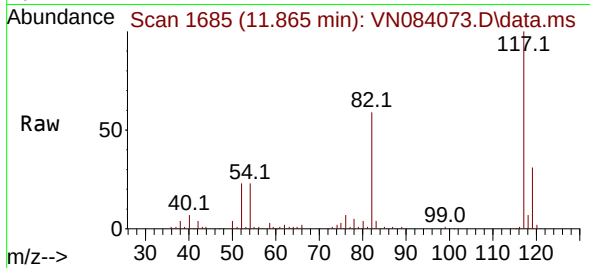
Tgt Ion: 43 Resp: 215844
Ion Ratio Lower Upper
43 100
61 10.1 25.0 37.4#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 11662
Delta R.T. -0.000 min
Lab File: VN084073.D
Acq: 20 Sep 2024 16:21

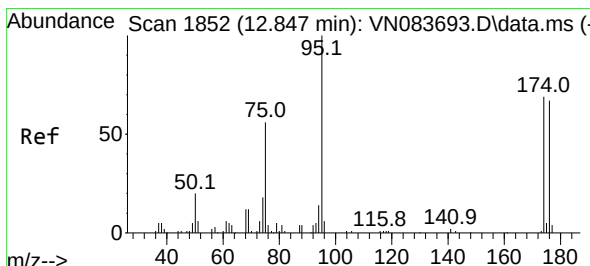
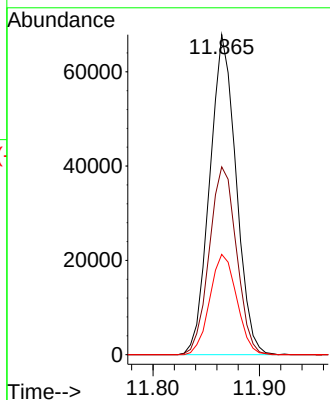
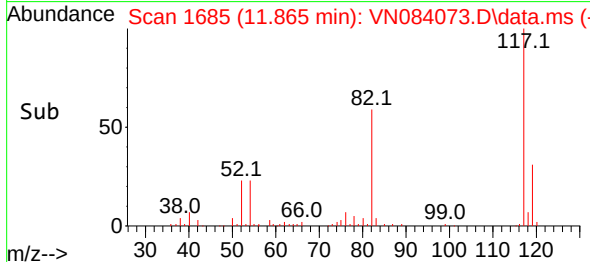
Instrument :
MSVOA_N
ClientSampleId :
PB163512ZHE#06



Tgt Ion: 117 Resp: 11662
Ion Ratio Lower Upper
117 100
82 60.6 46.6 69.8
119 32.0 25.4 38.2

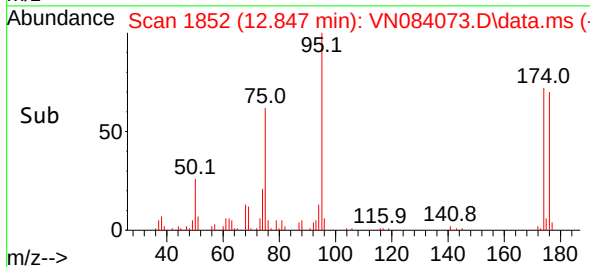
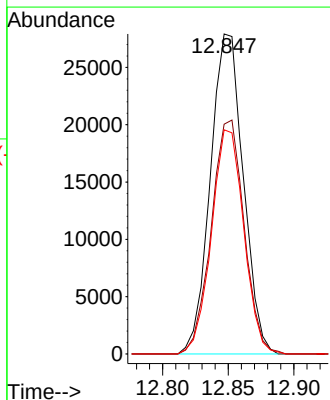
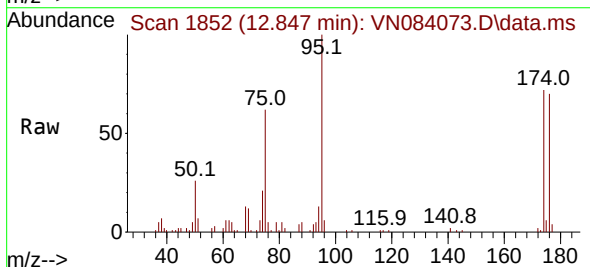
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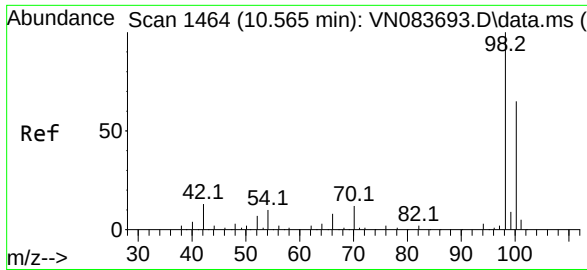
Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024



#60
4-Bromofluorobenzene
Concen: 24.250 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084073.D
Acq: 20 Sep 2024 16:21

Tgt Ion: 95 Resp: 48741
Ion Ratio Lower Upper
95 100
174 72.7 60.5 90.7
176 68.8 57.8 86.6





#63

Toluene-d8

Concen: 29.981 ug/l

RT: 10.565 min Scan# 14

Delta R.T. -0.000 min

Lab File: VN084073.D

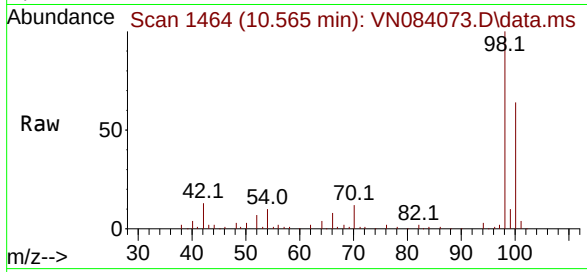
Acq: 20 Sep 2024 16:21

Instrument :

MSVOA_N

ClientSampleId :

PB163512ZHE#06



Tgt Ion: 98 Resp: 161899

Ion Ratio Lower Upper

98 100

100 64.7 52.7 79.1

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