

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
 Data File : VN084068.D
 Acq On : 20 Sep 2024 14:20
 Operator : JC\MD
 Sample : PB163512ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB163512ZHE#01

Manual Integrations
 APPROVED

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

Quant Time: Sep 23 01:03:06 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	24059	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	128486	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	121976	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	65901	29.966	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	99.900%	
60) 4-Bromofluorobenzene	12.853	95	52250	24.855	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	82.833%	
63) Toluene-d8	10.565	98	168892	29.903	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	99.667%	
Target Compounds						
						Qvalue
15) Acetone	4.430	58	14554	60.119	ug/l	73
18) Methylene Chloride	5.283	84	7269	4.443	ug/l	91
44) Isopropyl Acetate	8.688	43	119779m	35.815	ug/l	

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

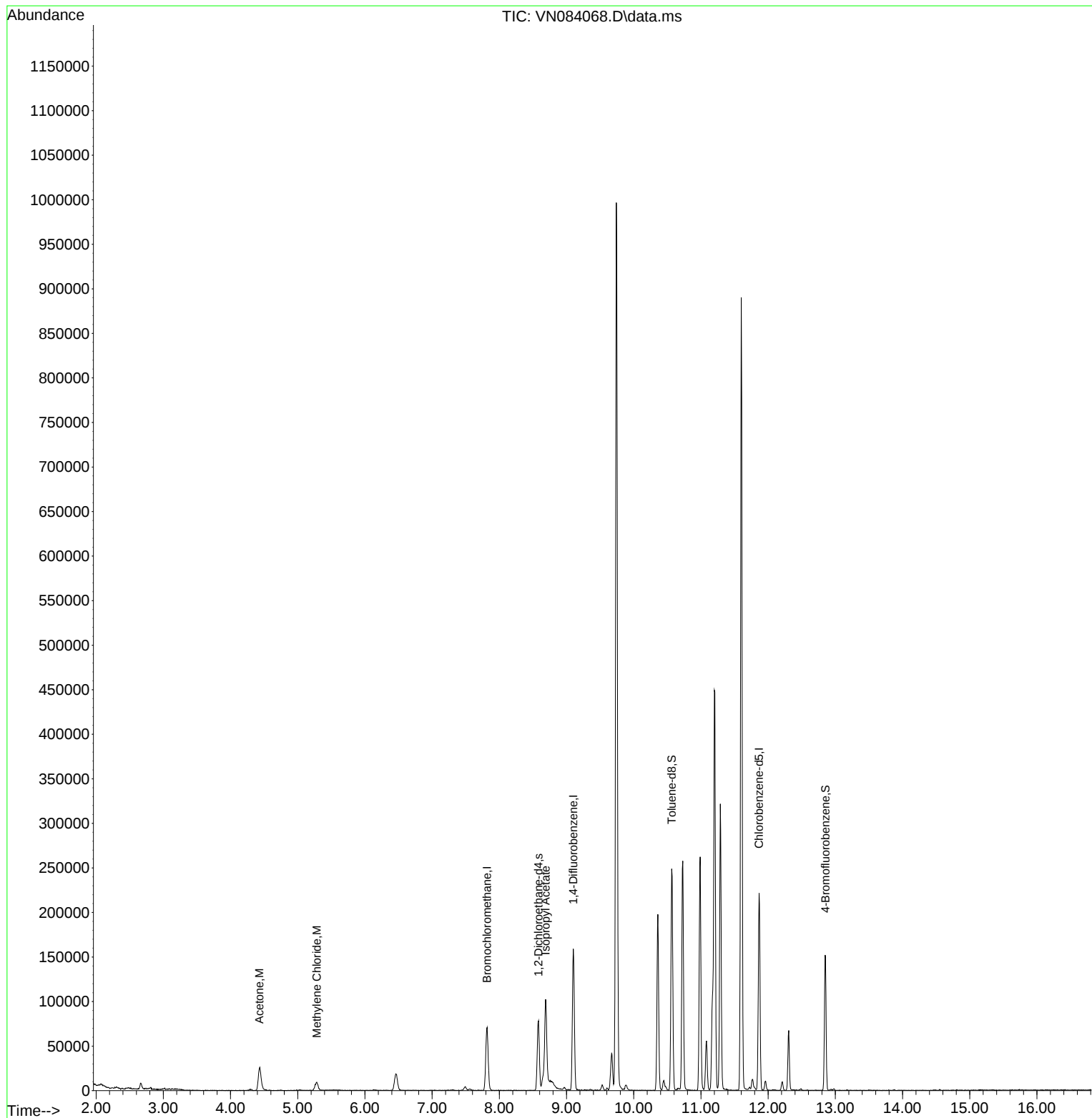
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
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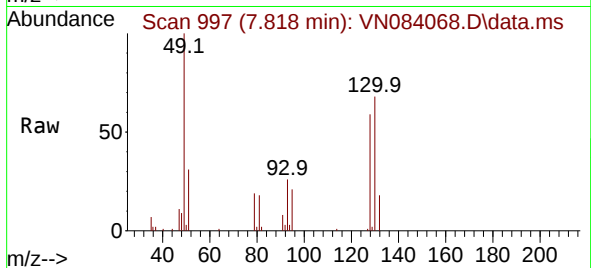
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 06 23:42:47 2024
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN084068.D
Acq: 20 Sep 2024 14:20

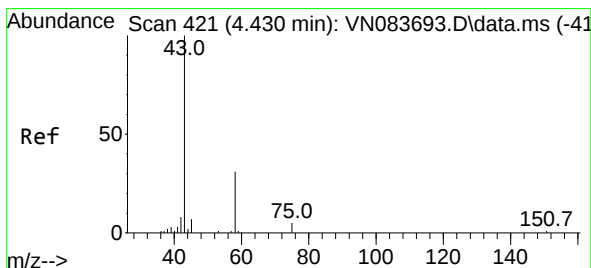
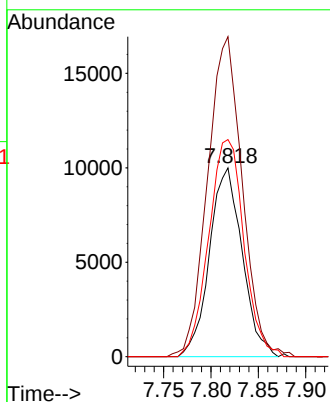
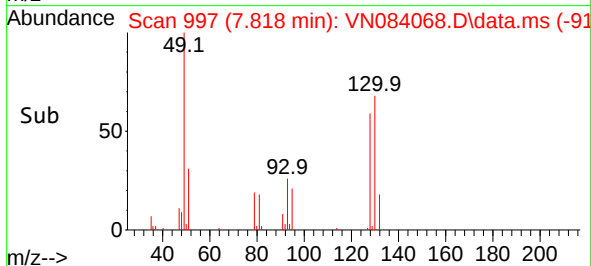
Instrument :
MSVOA_N
ClientSampleId :
PB163512ZHE#01



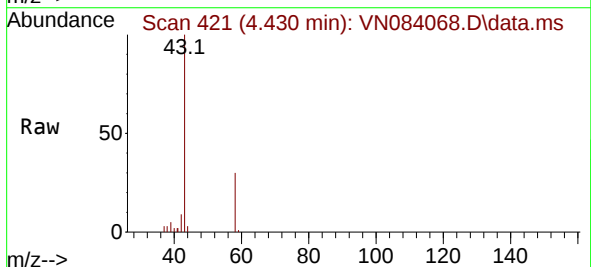
Tgt Ion:128 Resp: 24059
Ion Ratio Lower Upper
128 100
49 179.4 0.0 403.7
130 123.5 0.0 323.3

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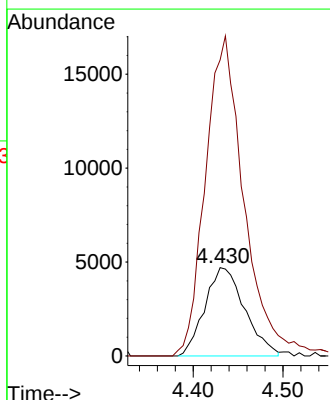
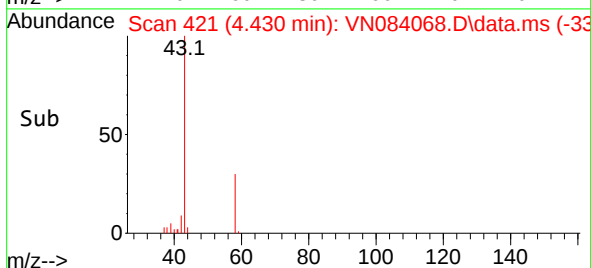
Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024

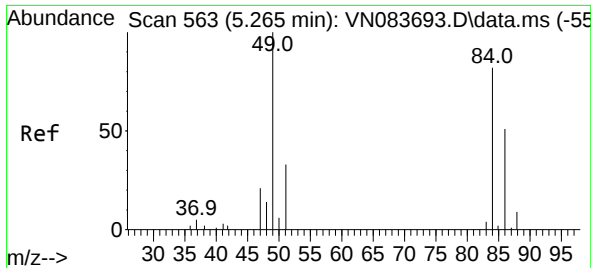


#15
Acetone
Concen: 60.119 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.000 min
Lab File: VN084068.D
Acq: 20 Sep 2024 14:20



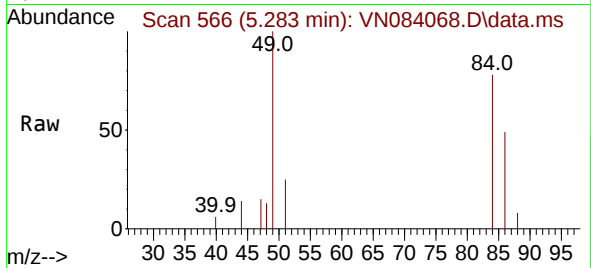
Tgt Ion: 58 Resp: 14554
Ion Ratio Lower Upper
58 100
43 329.1 223.1 334.7





#18
Methylene Chloride
Concen: 4.443 ug/l
RT: 5.283 min Scan# 50
Delta R.T. 0.018 min
Lab File: VN084068.D
Acq: 20 Sep 2024 14:20

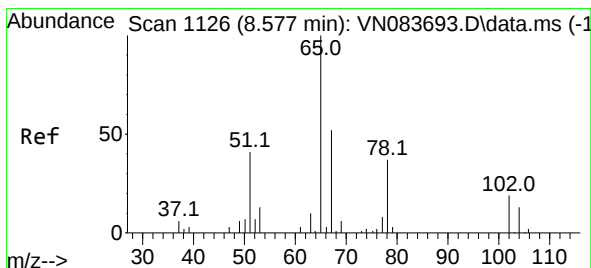
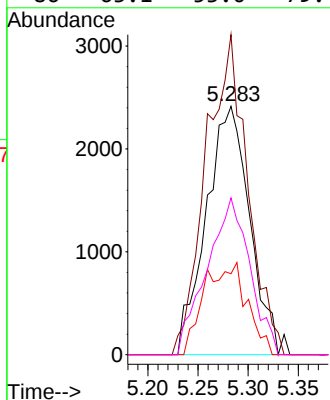
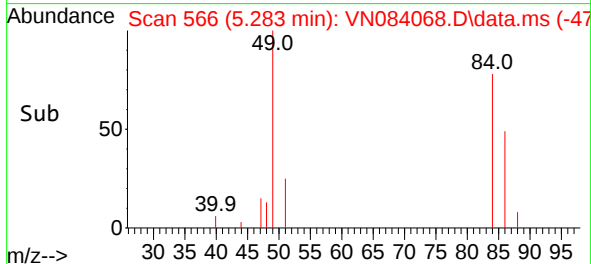
Instrument :
MSVOA_N
ClientSampleId :
PB163512ZHE#01



Tgt Ion:	84	Resp:	7269
Ion	Ratio	Lower	Upper
84	100		
49	121.2	86.0	129.0
51	32.6	30.0	45.0
86	63.1	53.0	79.4

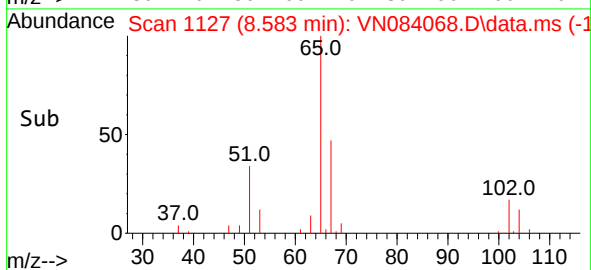
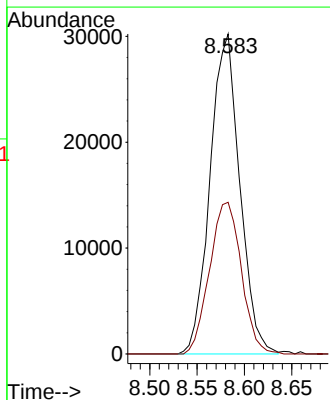
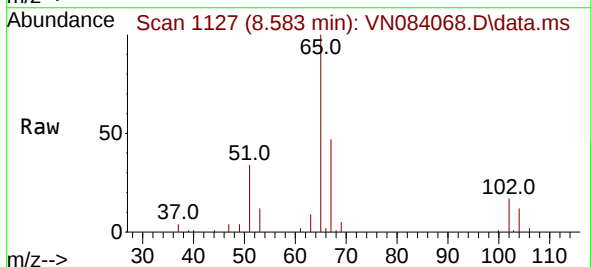
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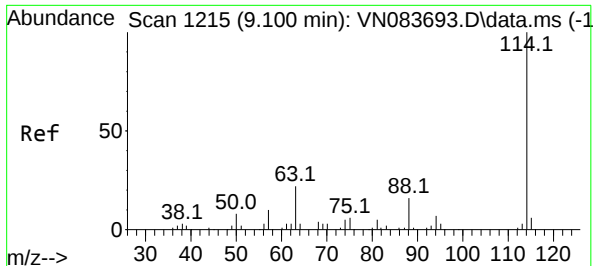
Reviewed By :John Carlone 09/23/2024
Supervised By :Mahesh Dadoda 09/23/2024



#27
1,2-Dichloroethane-d4
Concen: 29.966 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN084068.D
Acq: 20 Sep 2024 14:20

Tgt Ion:	65	Resp:	65901
Ion	Ratio	Lower	Upper
65	100		
67	50.6	43.2	64.8





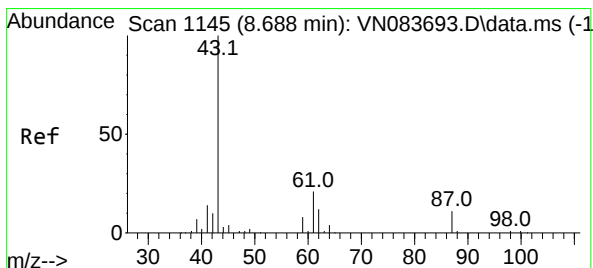
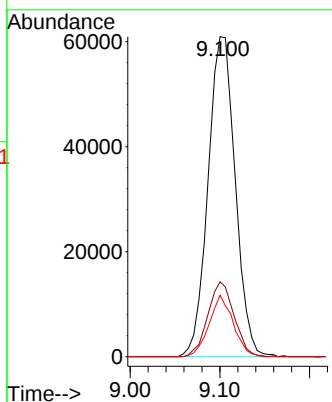
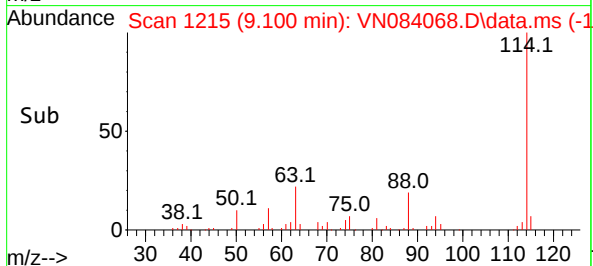
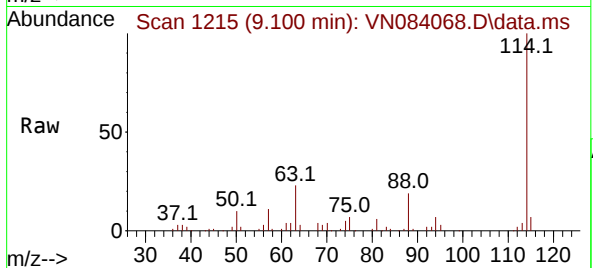
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.100 min Scan# 1145
 Delta R.T. 0.000 min
 Lab File: VN084068.D
 Acq: 20 Sep 2024 14:20

Instrument :
 MSVOA_N
 ClientSampleId :
 PB163512ZHE#01

Tgt Ion:	114	Resp:	128480
Ion Ratio	Lower	Upper	
114	100		
63	22.5	15.9	23.9
88	17.0	12.7	19.1

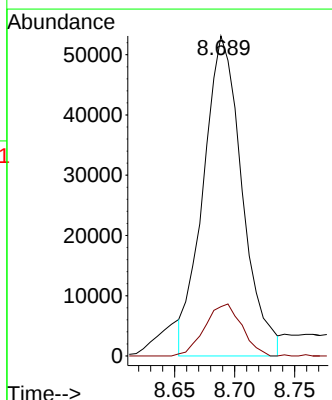
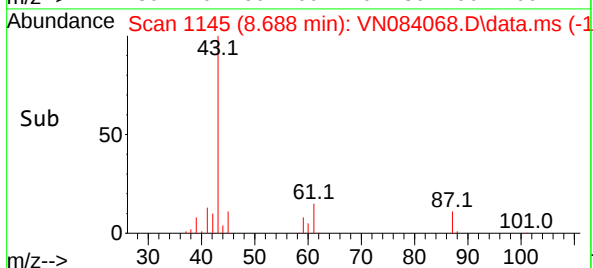
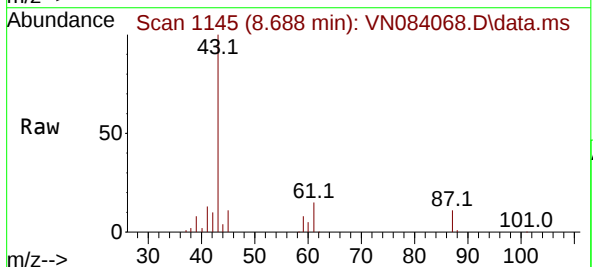
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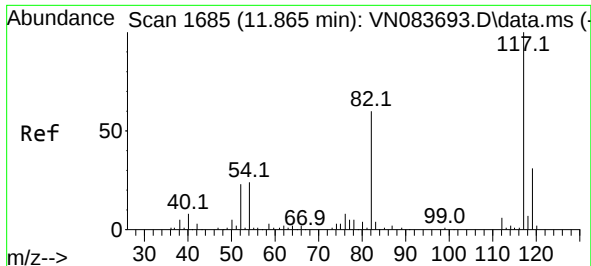
Reviewed By :John Carlone 09/23/2024
 Supervised By :Mahesh Dadoda 09/23/2024



#44
 Isopropyl Acetate
 Concen: 35.815 ug/l m
 RT: 8.688 min Scan# 1145
 Delta R.T. 0.000 min
 Lab File: VN084068.D
 Acq: 20 Sep 2024 14:20

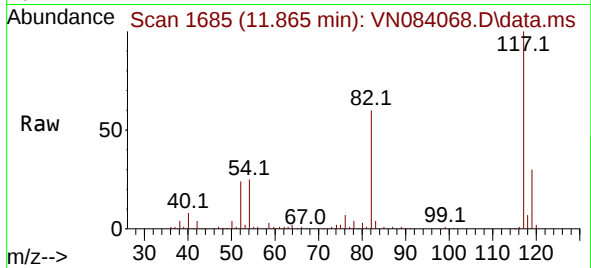
Tgt Ion:	43	Resp:	119779
Ion Ratio	Lower	Upper	
43	100		
61	15.4	25.0	37.4





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN084068.D
Acq: 20 Sep 2024 14:20

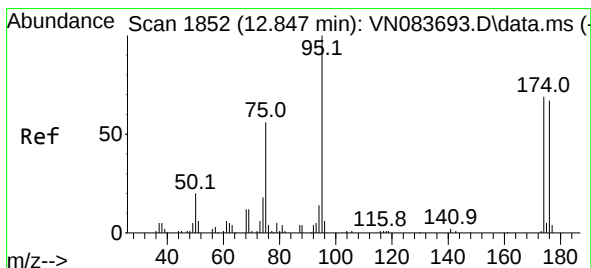
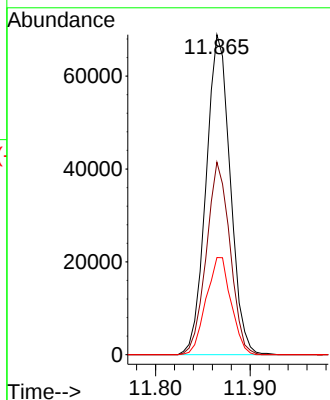
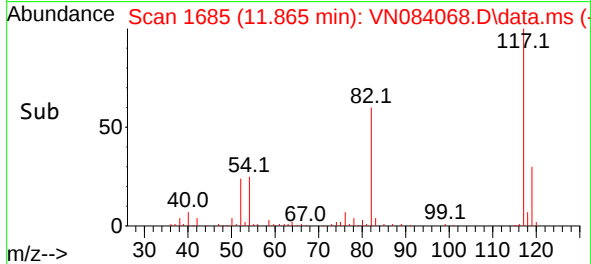
Instrument :
MSVOA_N
ClientSampleId :
PB163512ZHE#01



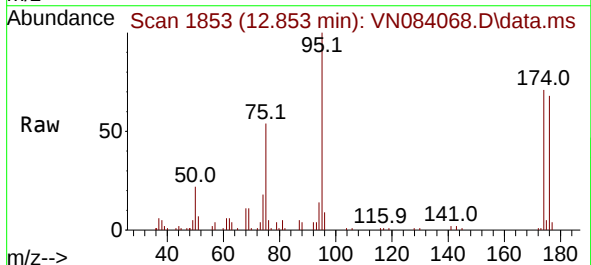
Tgt Ion: 117 Resp: 121970
Ion Ratio Lower Upper
117 100
82 58.9 46.6 69.8
119 31.3 25.4 38.2

Manual Integrations
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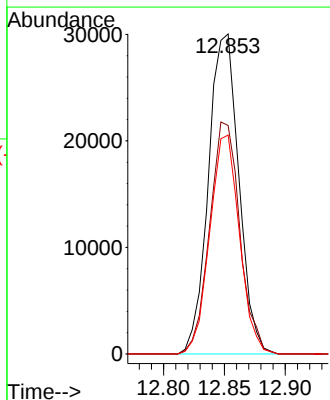
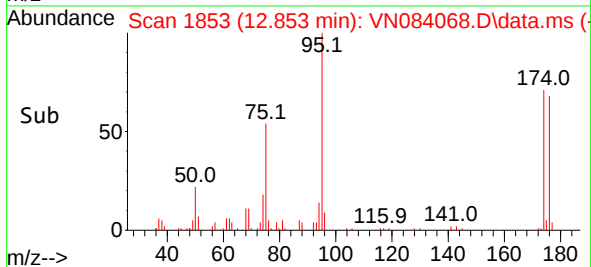
Reviewed By :John Carlone 09/23/2024
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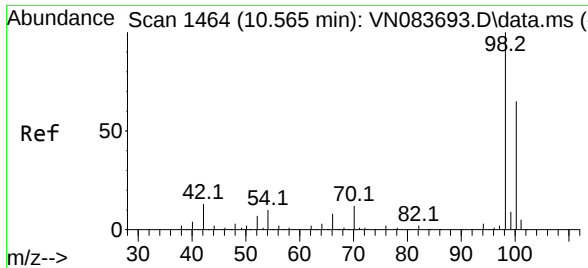


#60
4-Bromofluorobenzene
Concen: 24.855 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN084068.D
Acq: 20 Sep 2024 14:20



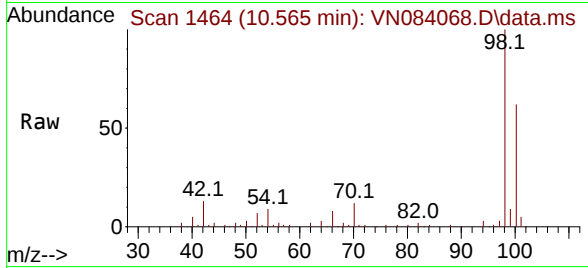
Tgt Ion: 95 Resp: 52250
Ion Ratio Lower Upper
95 100
174 71.8 60.5 90.7
176 66.6 57.8 86.6





#63
Toluene-d8
Concen: 29.903 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084068.D
Acq: 20 Sep 2024 14:20

Instrument :
MSVOA_N
ClientSampleId :
PB163512ZHE#01



Tgt Ion: 98 Resp: 168892
Ion Ratio Lower Upper
98 100
100 62.9 52.7 79.1

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