

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041924\
 Data File : VN081815.D
 Acq On : 19 Apr 2024 17:40
 Operator : JC\MD
 Sample : P2213-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 240418096-02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/22/2024
 Supervised By : Mahesh Dadoda 04/22/2024

Quant Time: Apr 19 23:49:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 11 09:25:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	14747	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	81381	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.865	117	105604	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	51440	28.394	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	94.633%	
60) 4-Bromofluorobenzene	12.847	95	55458	26.711	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	89.033%	
63) Toluene-d8	10.571	98	122583	28.938	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	96.467%	
Target Compounds						
15) Acetone	4.424	58	22991	120.431	ug/l	Qvalue 93
18) Methylene Chloride	5.277	84	6031m	2.758	ug/l	
25) Chloroform	7.971	83	7905m	1.905	ug/l	
32) 1,1,1-Trichloroethane	8.171	97	4381	1.486	ug/l	# 73
58) 4-Methyl-2-Pentanone	10.447	43	3098	1.706	ug/l	# 79
62) Toluene	10.635	91	6112	0.796	ug/l	85
80) 1,2,4-Trimethylbenzene	13.488	105	2236	0.333	ug/l	85
82) p-Isopropyltoluene	13.729	119	6751	0.975	ug/l	84

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

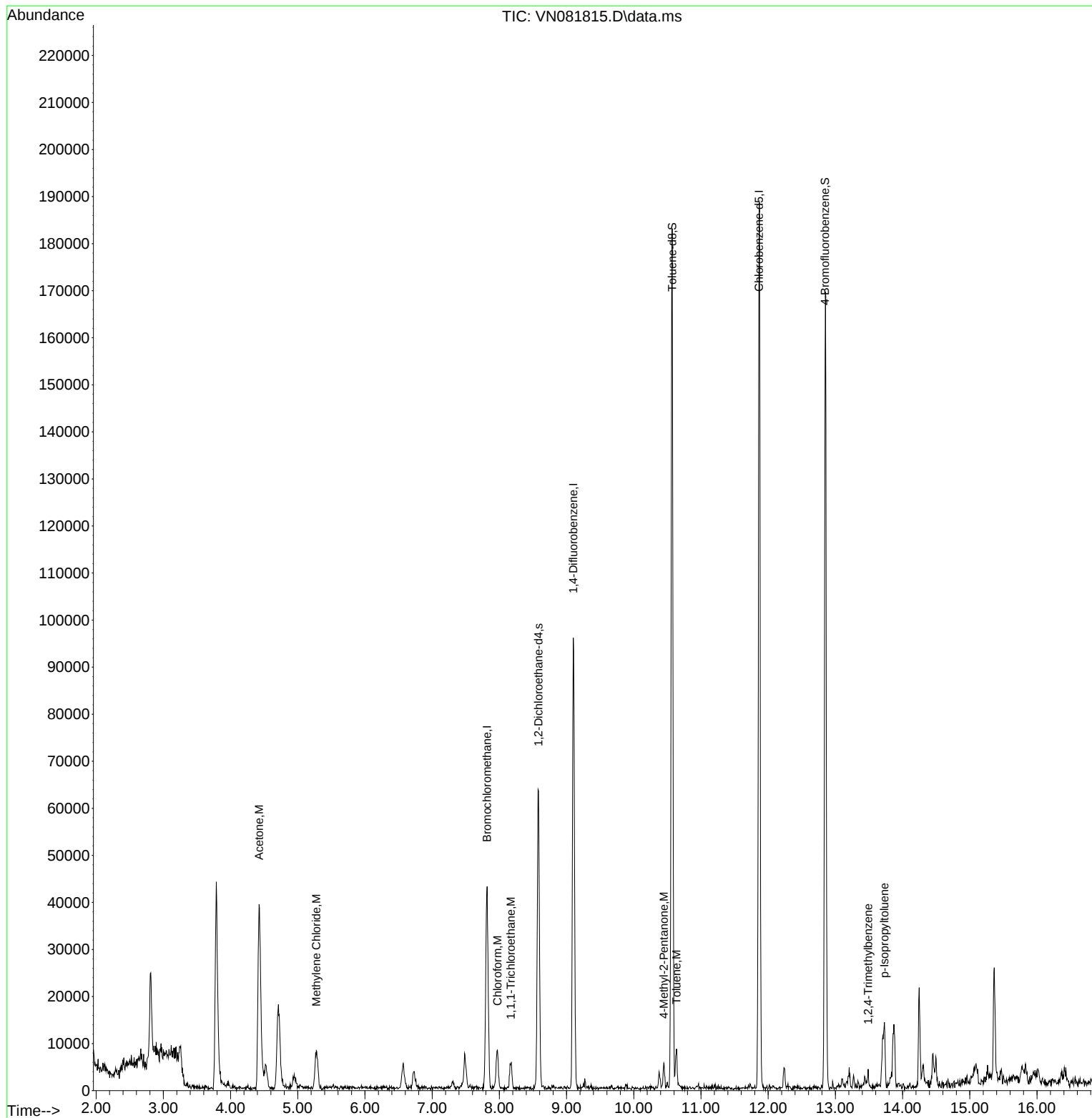
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041924\
Data File : VN081815.D
Acq On : 19 Apr 2024 17:40
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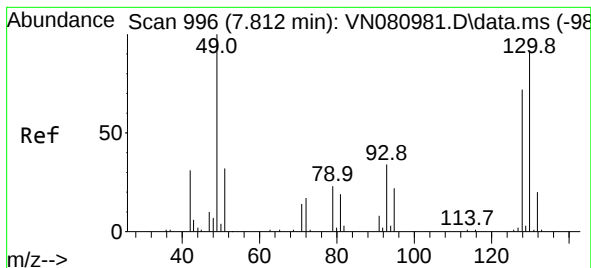
Instrument :
MSVOA_N
ClientSampleId :
240418096-02

Quant Time: Apr 19 23:49:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 11 09:25:01 2024
Response via : Initial Calibration

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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: VN081815.D

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Instrument :

MSVOA_N

ClientSampleId :

240418096-02

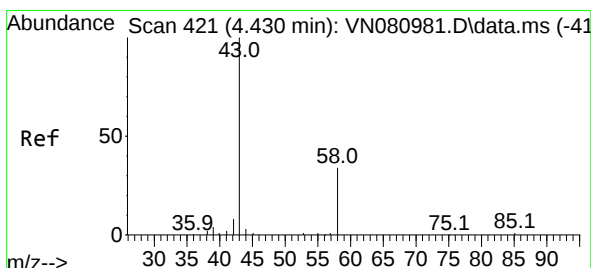
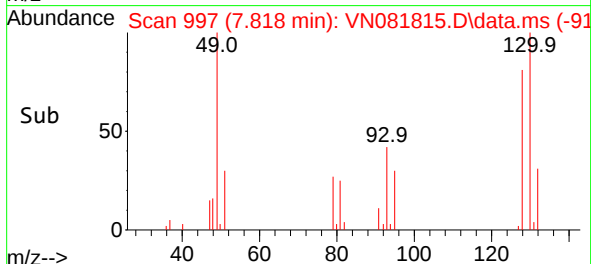
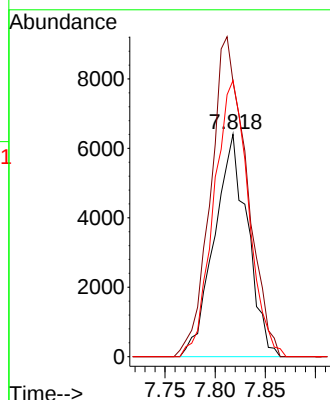
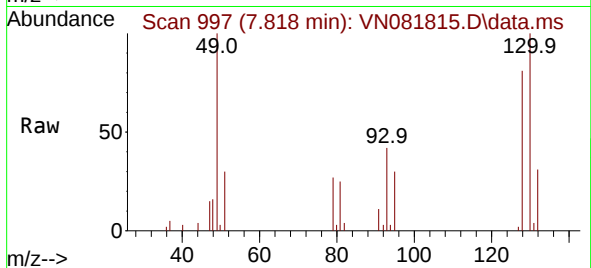
Tgt Ion:	128	Resp:	1474
Ion Ratio	Lower	Upper	
128	100		
49	156.2	0.0	403.7
130	130.1	0.0	323.3

Manual Integrations

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#15

Acetone

Concen: 120.431 ug/l

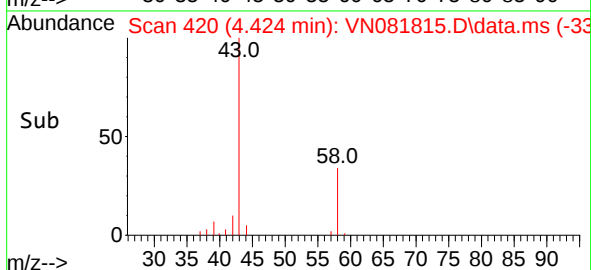
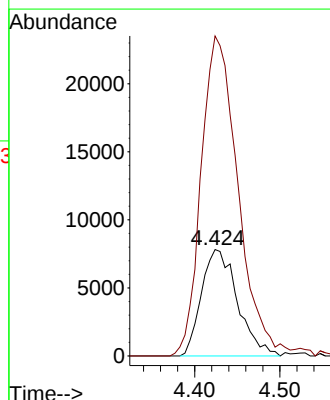
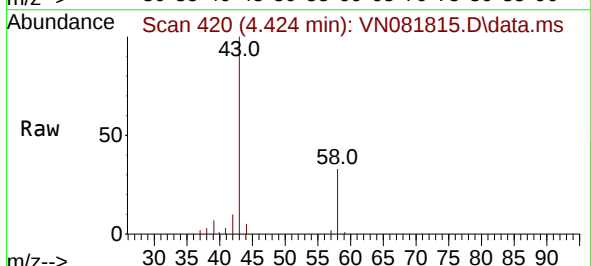
RT: 4.424 min Scan# 420

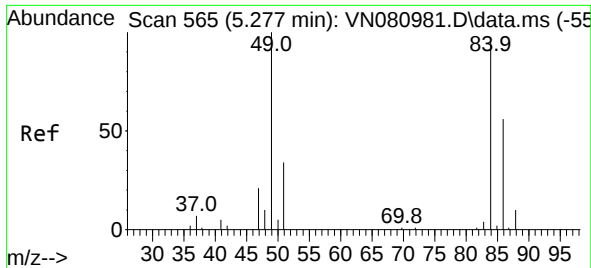
Delta R.T. -0.000 min

Lab File: VN081815.D

Acq: 19 Apr 2024 17:40

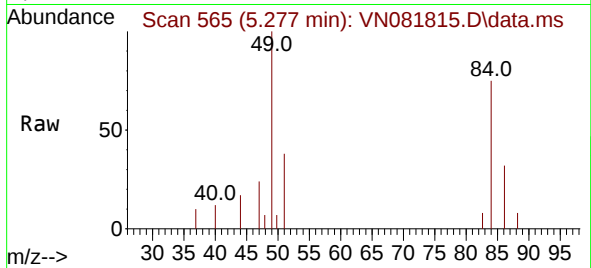
Tgt Ion:	58	Resp:	22991
Ion Ratio	Lower	Upper	
58	100		
43	292.3	223.1	334.7





#18
Methylene Chloride
Concen: 2.758 ug/l m
RT: 5.277 min Scan# 503
Delta R.T. -0.006 min
Lab File: VN081815.D
Acq: 19 Apr 2024 17:40

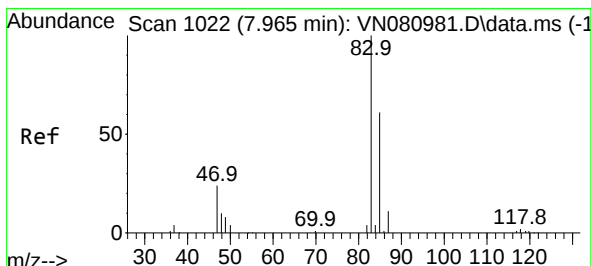
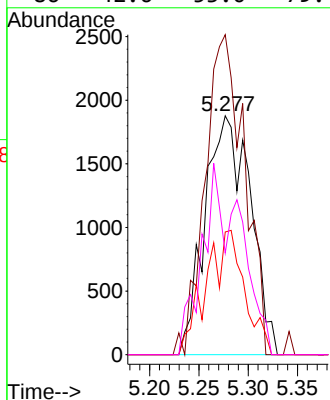
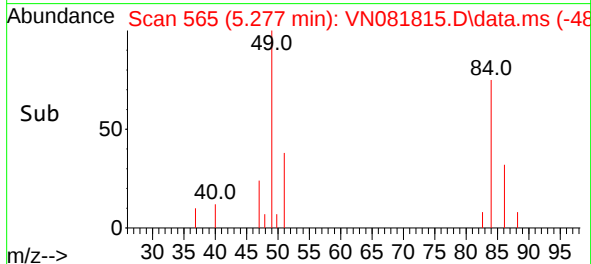
Instrument :
MSVOA_N
ClientSampleId :
240418096-02



Tgt Ion: 84 Resp: 603
Ion Ratio Lower Upper
84 100
49 134.0 86.0 129.0
51 51.4 30.0 45.0
86 42.6 53.0 79.4

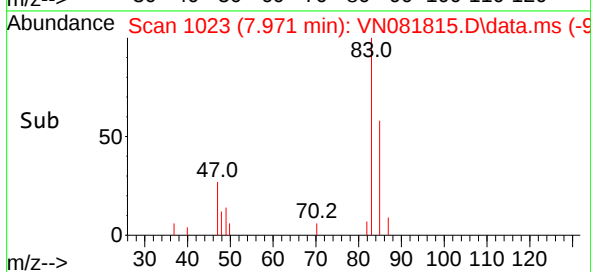
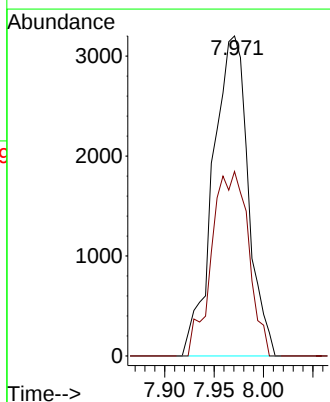
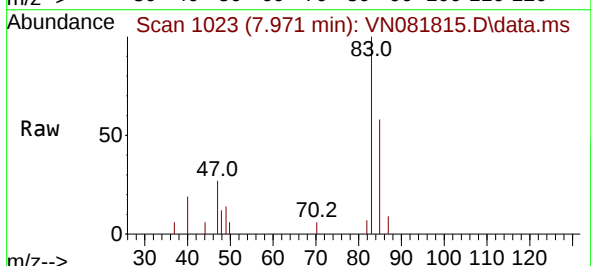
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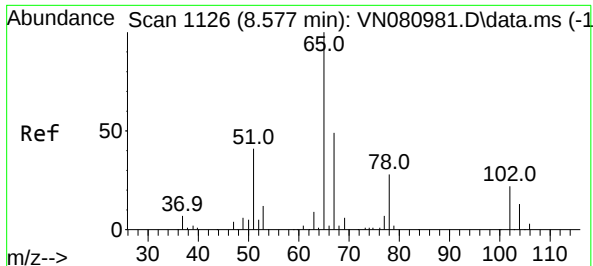
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#25
Chloroform
Concen: 1.905 ug/l m
RT: 7.971 min Scan# 1023
Delta R.T. -0.000 min
Lab File: VN081815.D
Acq: 19 Apr 2024 17:40

Tgt Ion: 83 Resp: 7905
Ion Ratio Lower Upper
83 100
85 57.7 50.9 76.3





#27

1,2-Dichloroethane-d4

Concen: 28.394 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN081815.D

Acq: 19 Apr 2024 17:40

Instrument :

MSVOA_N

ClientSampleId :

240418096-02

Tgt Ion: 65 Resp: 51440

Ion Ratio Lower Upper

65 100

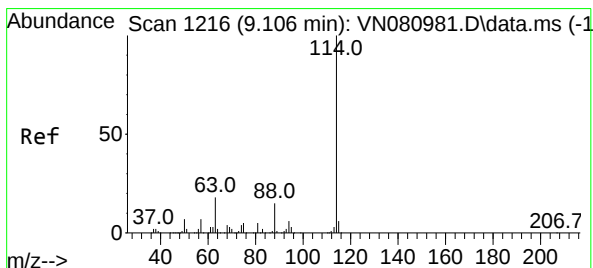
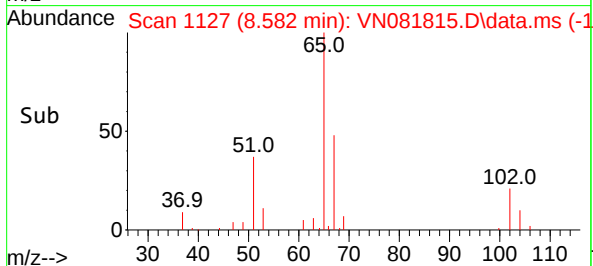
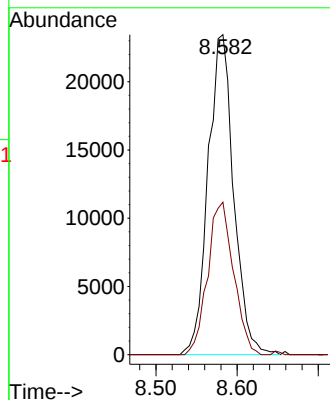
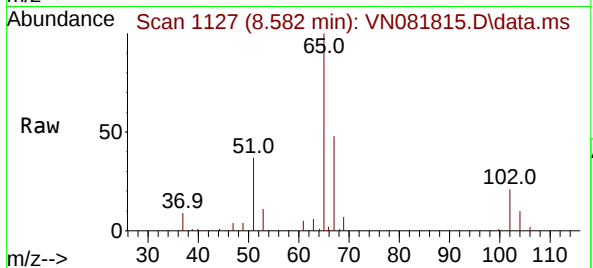
67 48.3 43.2 64.8

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN081815.D

Acq: 19 Apr 2024 17:40

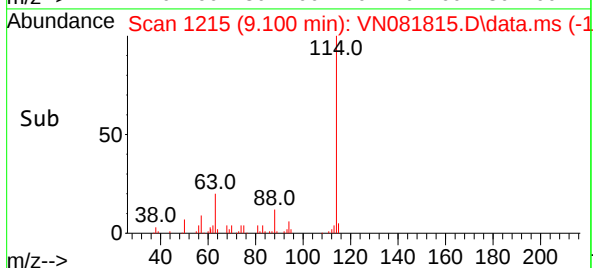
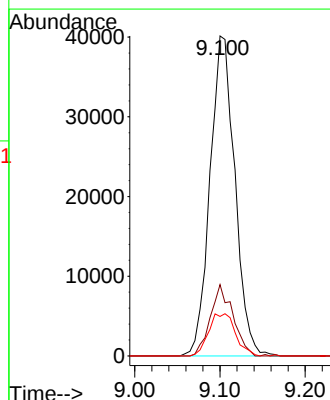
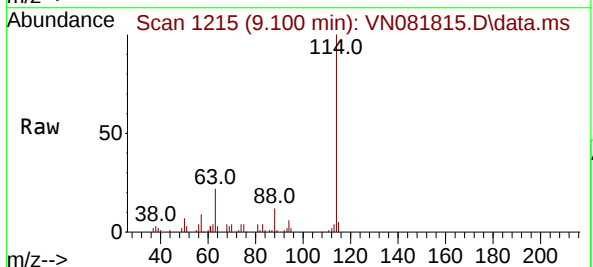
Tgt Ion:114 Resp: 81381

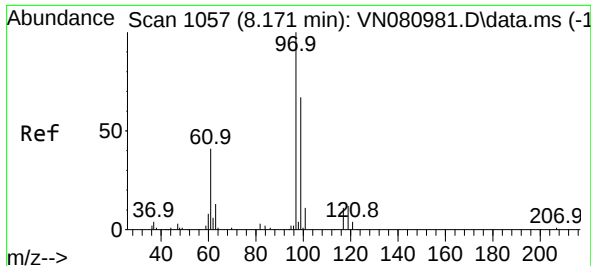
Ion Ratio Lower Upper

114 100

63 20.3 15.9 23.9

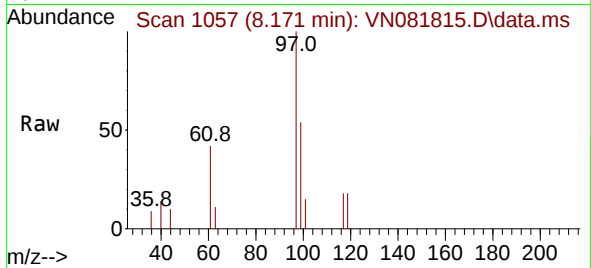
88 7.2 12.7 19.1#





#32
1,1,1-Trichloroethane
Concen: 1.486 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN081815.D
Acq: 19 Apr 2024 17:40

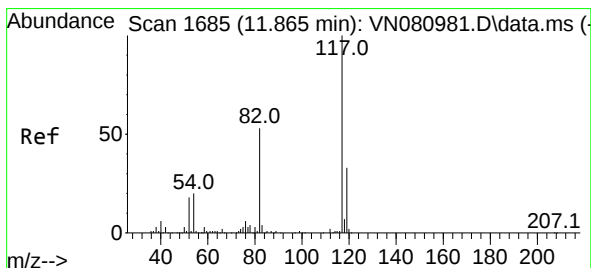
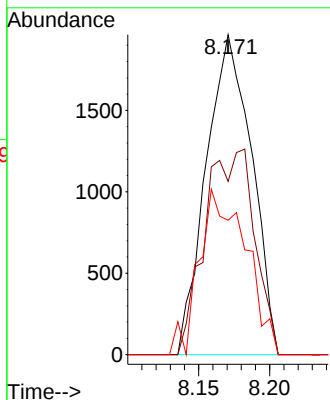
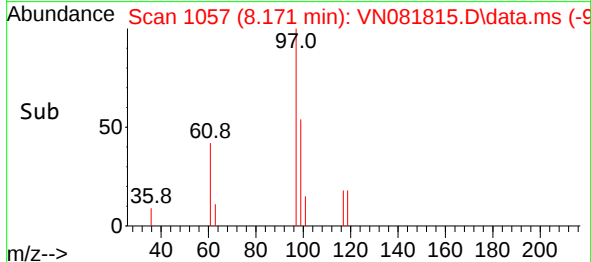
Instrument :
MSVOA_N
ClientSampleId :
240418096-02



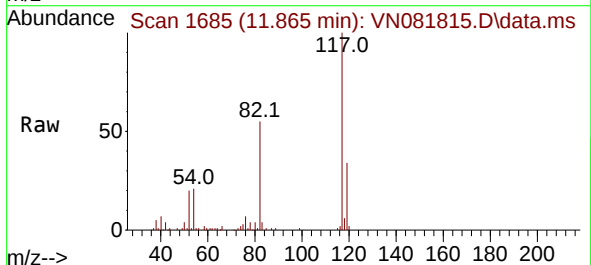
Tgt Ion: 97 Resp: 438
Ion Ratio Lower Upper
97 100
99 37.9 51.0 76.4
61 31.0 33.8 50.8

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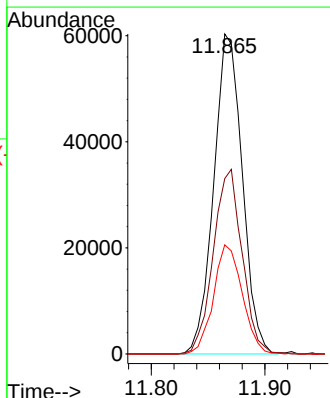
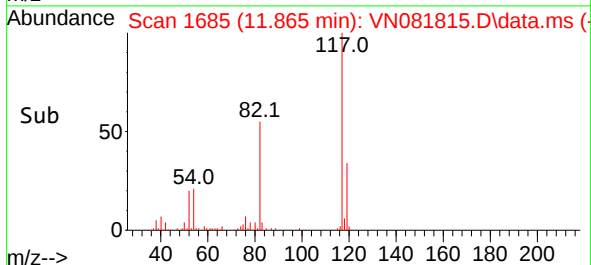
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024

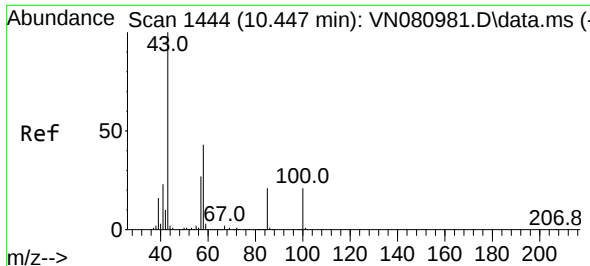


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN081815.D
Acq: 19 Apr 2024 17:40



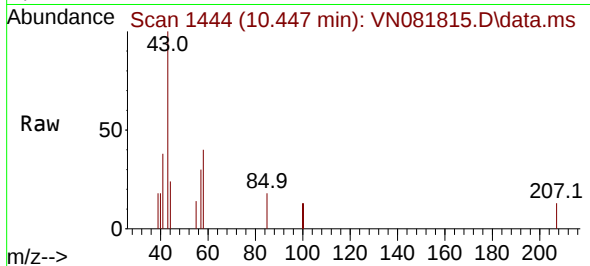
Tgt Ion:117 Resp: 105604
Ion Ratio Lower Upper
117 100
82 58.1 46.6 69.8
119 34.3 25.4 38.2





#58
4-Methyl-2-Pentanone
Concen: 1.706 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN081815.D
Acq: 19 Apr 2024 17:40

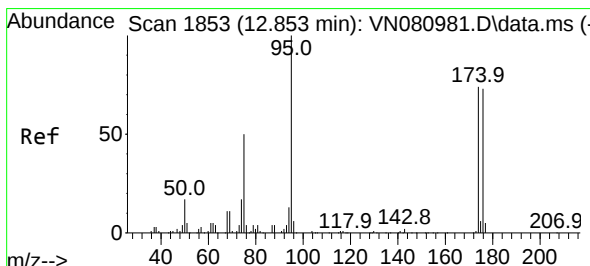
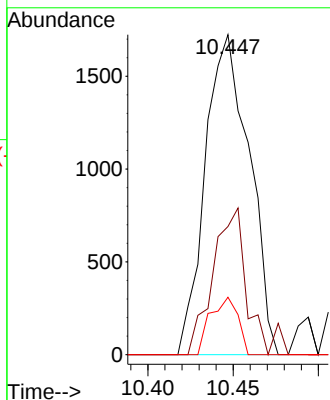
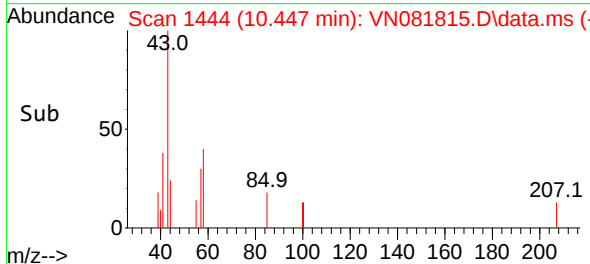
Instrument :
MSVOA_N
ClientSampleId :
240418096-02



Tgt Ion: 43 Resp: 3098
Ion Ratio Lower Upper
43 100
58 34.0 36.5 54.7
85 11.2 19.5 29.3

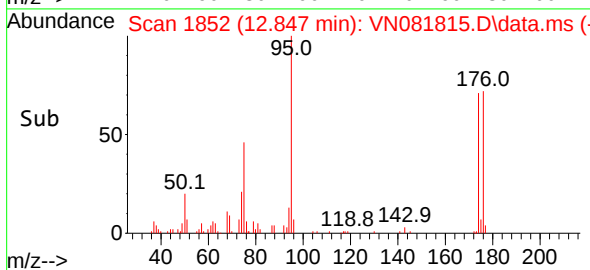
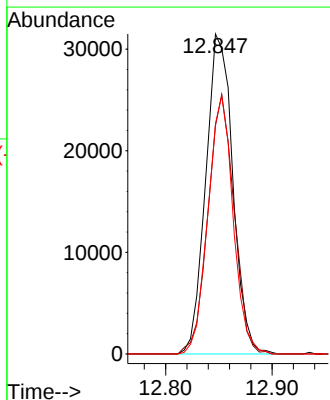
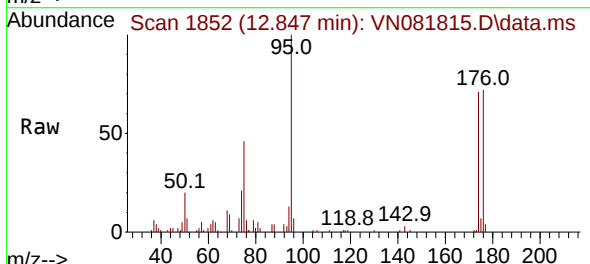
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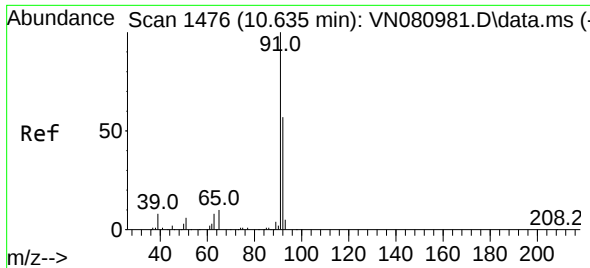
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#60
4-Bromofluorobenzene
Concen: 26.711 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN081815.D
Acq: 19 Apr 2024 17:40

Tgt Ion: 95 Resp: 55458
Ion Ratio Lower Upper
95 100
174 78.2 60.5 90.7
176 75.1 57.8 86.6





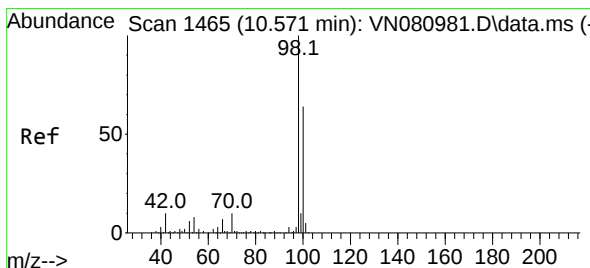
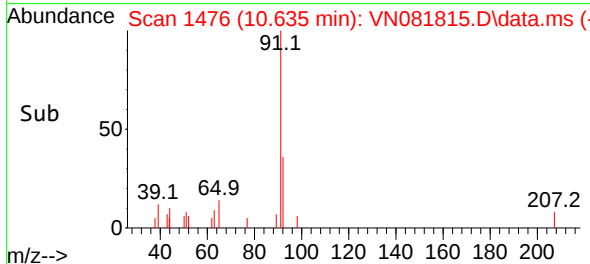
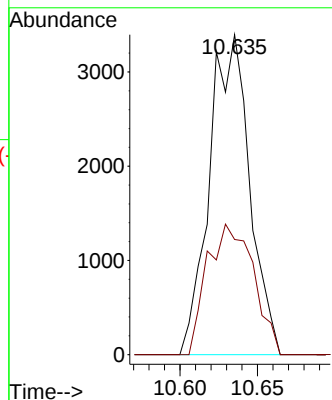
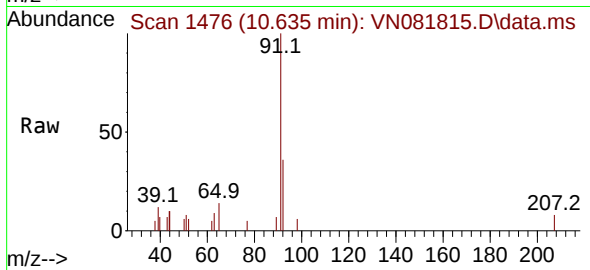
#62
Toluene
Concen: 0.796 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN081815.D
Acq: 19 Apr 2024 17:40

Instrument :
MSVOA_N
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240418096-02

Tgt Ion: 91 Resp: 611
Ion Ratio Lower Upper
91 100
92 46.9 46.5 69.7

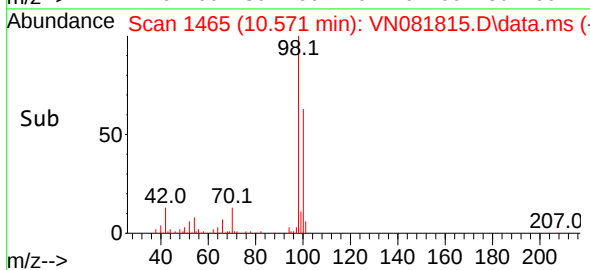
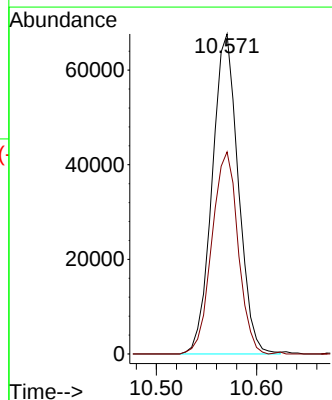
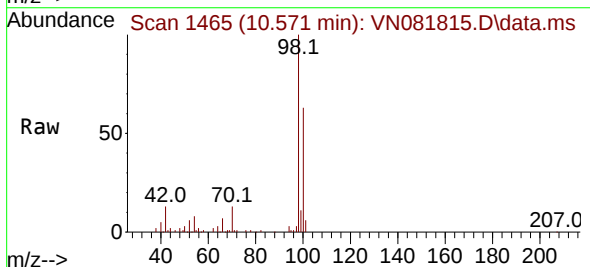
Manual Integrations
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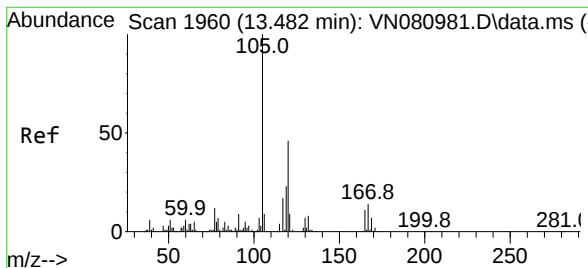
Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#63
Toluene-d8
Concen: 28.938 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081815.D
Acq: 19 Apr 2024 17:40

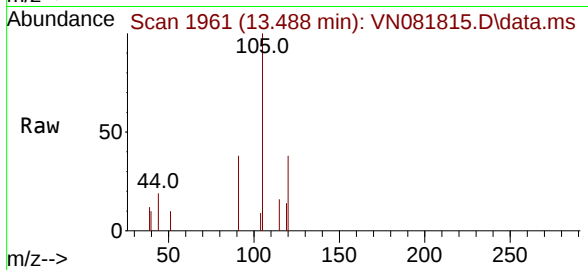
Tgt Ion: 98 Resp: 122583
Ion Ratio Lower Upper
98 100
100 63.1 52.7 79.1





#80
1,2,4-Trimethylbenzene
Concen: 0.333 ug/l
RT: 13.488 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN081815.D
Acq: 19 Apr 2024 17:40

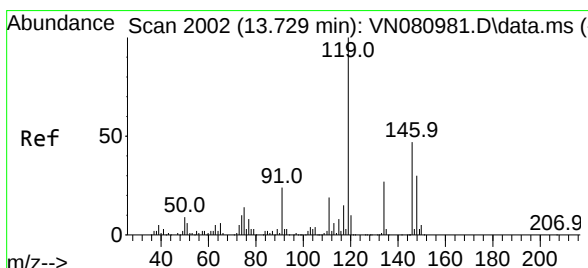
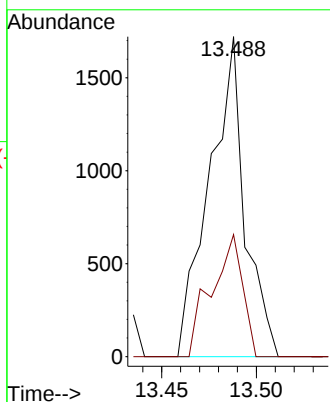
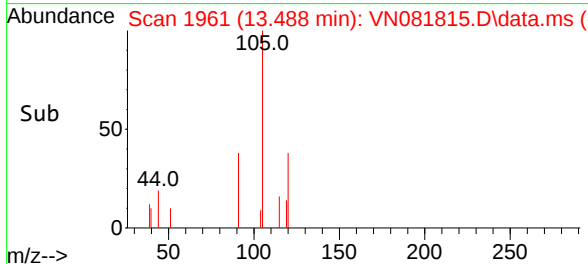
Instrument :
MSVOA_N
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240418096-02



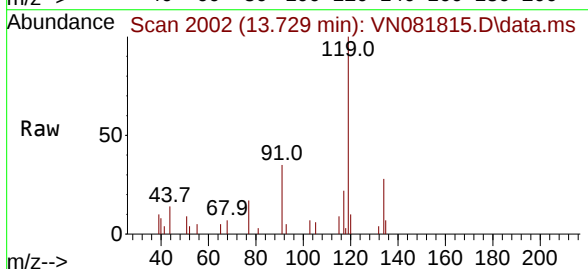
Tgt Ion:105 Resp: 2230
Ion Ratio Lower Upper
105 100
120 33.5 0.0 86.8

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Reviewed By :John Carlone 04/22/2024
Supervised By :Mahesh Dadoda 04/22/2024



#82
p-Isopropyltoluene
Concen: 0.975 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN081815.D
Acq: 19 Apr 2024 17:40



Tgt Ion:119 Resp: 6751
Ion Ratio Lower Upper
119 100
134 26.1 0.0 49.2
91 39.3 0.0 48.8

