

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030923\
 Data File : VN076895.D
 Acq On : 09 Mar 2023 12:03
 Operator : JC\MD
 Sample : 01852-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RW5-IDWGW-20230308

Quant Time: Mar 10 01:30:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N030823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 09 04:16:54 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/10/2023
 Supervised By : Mahesh Dadoda 03/10/2023

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

Internal Standards						
1) Bromochloromethane	7.819	128	48594	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	356257	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	392404	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	145246	32.519	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	108.400%	
60) 4-Bromofluorobenzene	12.848	95	208288	28.046	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	93.500%	
63) Toluene-d8	10.571	98	410309	29.729	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	99.100%	
Target Compounds						
9) 1,1,2-Trichlorotrifluo...	4.395	101	95000	17.319	ug/l	84
10) 1,1-Dichloroethene	4.360	96	46012	8.642	ug/l	92
22) cis-1,2-Dichloroethene	7.483	96	9246m	1.438	ug/l	
25) Chloroform	7.972	83	11737	1.066	ug/l	89
37) Trichloroethene	9.354	130	3680980	580.551	ug/l	91
61) Tetrachloroethene	11.113	164	6771	1.093	ug/l	94

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

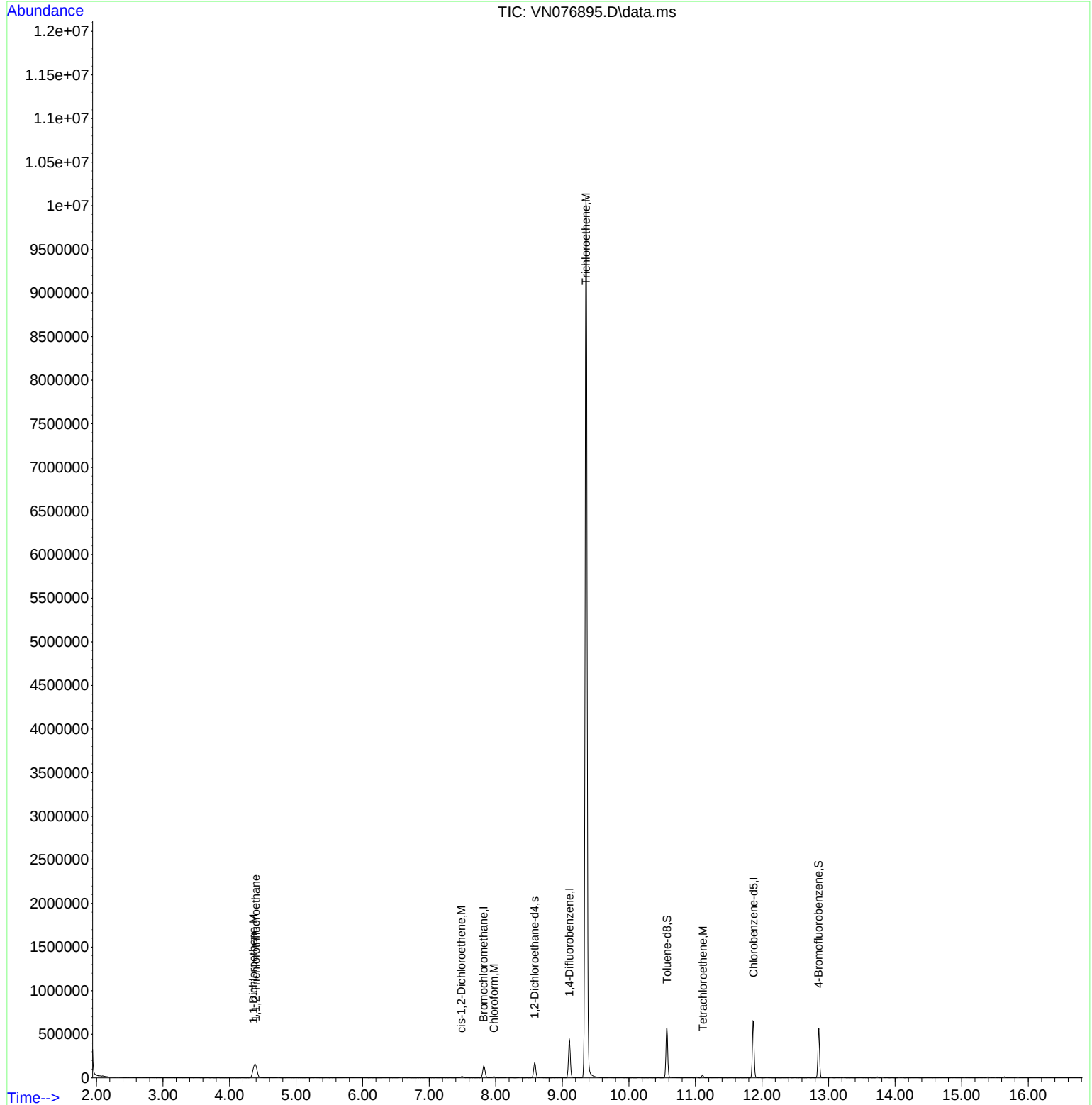
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030923\
Data File : VN076895.D
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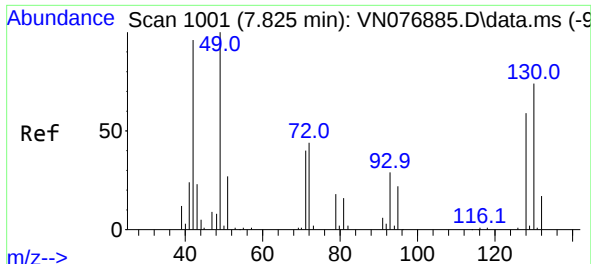
Instrument :
MSVOA_N
ClientSampleId :
RW5-IDWGW-20230308

Quant Time: Mar 10 01:30:28 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N030823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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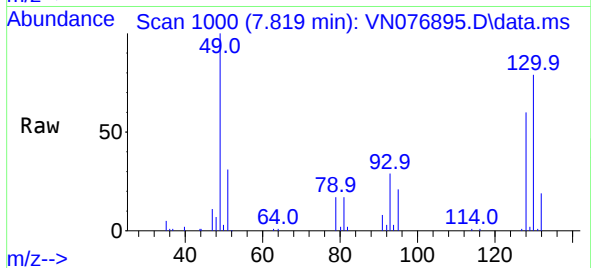
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VN076895.D
Acq: 09 Mar 2023 12:03

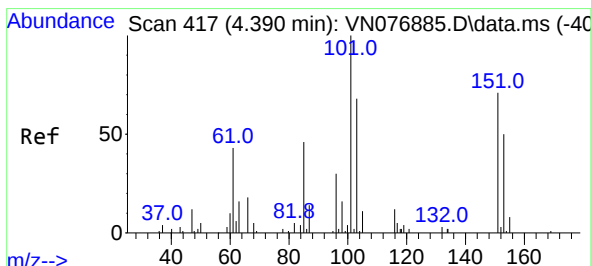
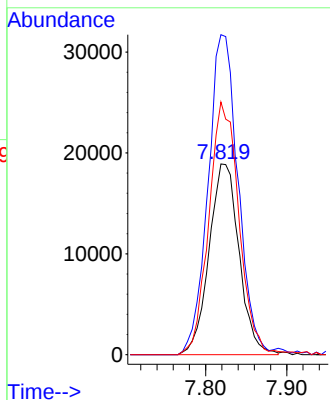
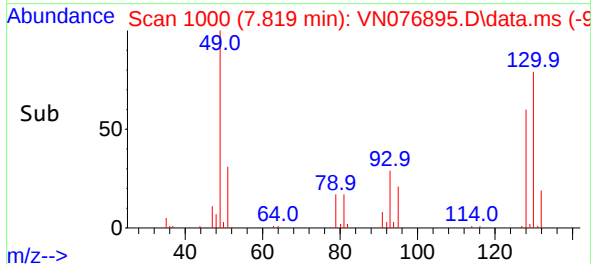
Instrument :
MSVOA_N
ClientSampleId :
RW5-IDWGW-20230308



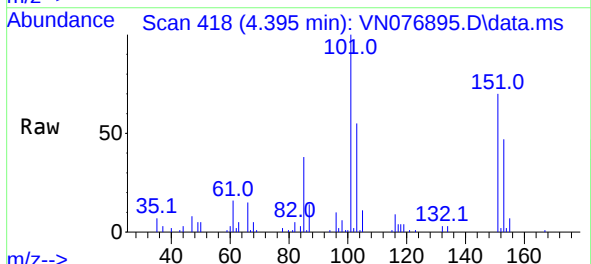
Tgt Ion:128 Resp: 48594
Ion Ratio Lower Upper
128 100
49 167.4 0.0 461.8
130 131.9 0.0 295.3

Manual Integrations
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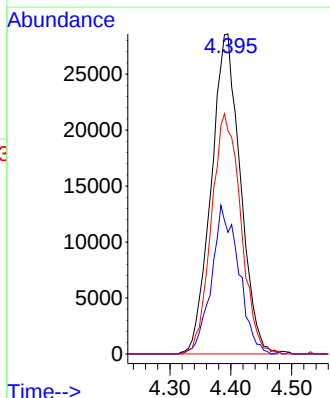
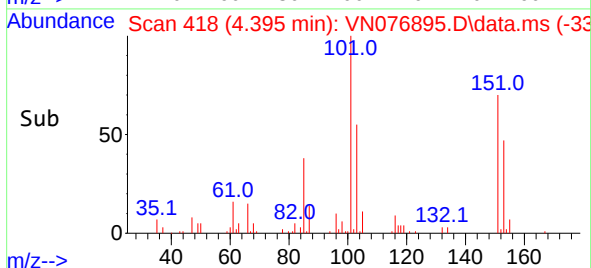
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023

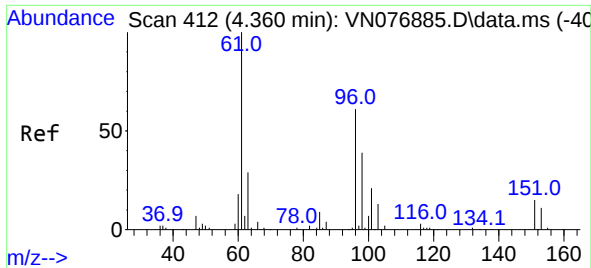


#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.319 ug/l
RT: 4.395 min Scan# 418
Delta R.T. 0.005 min
Lab File: VN076895.D
Acq: 09 Mar 2023 12:03



Tgt Ion:101 Resp: 95000
Ion Ratio Lower Upper
101 100
85 26.7 0.0 95.2
151 75.8 0.0 142.2





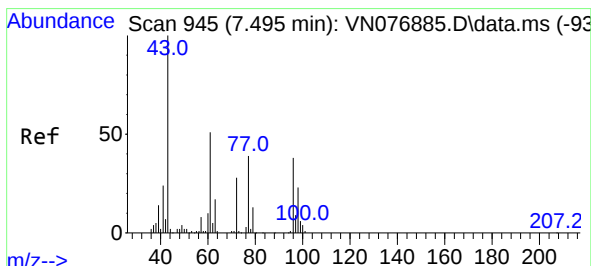
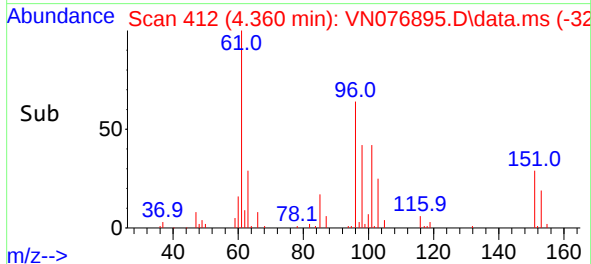
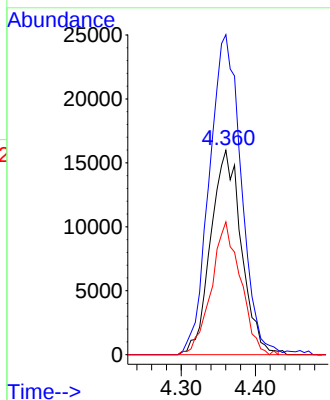
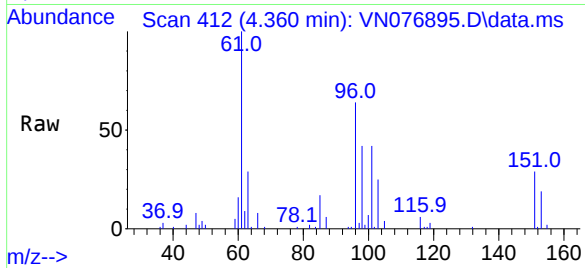
#10
1,1-Dichloroethene
Concen: 8.642 ug/l
RT: 4.360 min Scan# 412
Delta R.T. 0.006 min
Lab File: VN076895.D
Acq: 09 Mar 2023 12:03

Instrument :
MSVOA_N
ClientSampleId :
RW5-IDWGW-20230308

Tgt Ion: 96 Resp: 4601
Ion Ratio Lower Upper
96 100
61 156.6 137.1 205.7
98 65.0 53.2 79.8

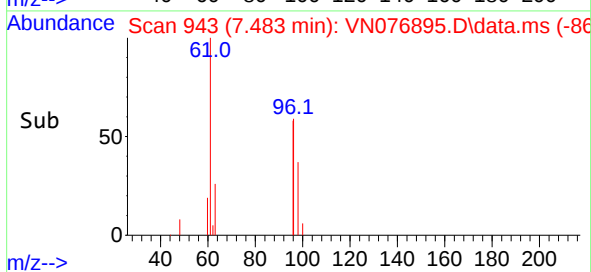
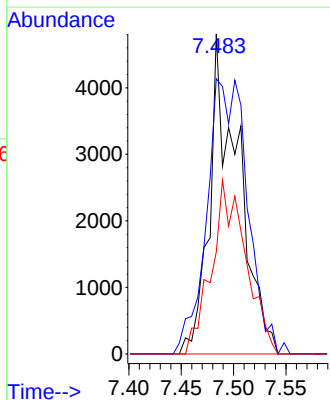
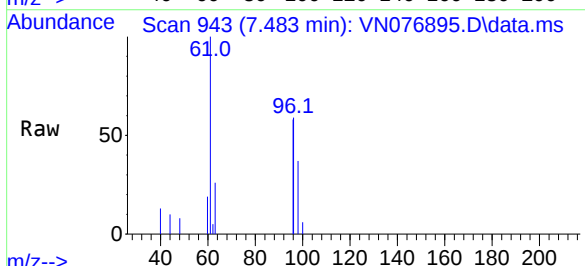
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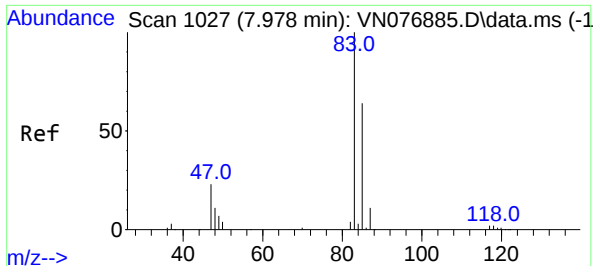
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023



#22
cis-1,2-Dichloroethene
Concen: 1.438 ug/l m
RT: 7.483 min Scan# 943
Delta R.T. -0.012 min
Lab File: VN076895.D
Acq: 09 Mar 2023 12:03

Tgt Ion: 96 Resp: 9246
Ion Ratio Lower Upper
96 100
61 68.7 121.0 181.4#
98 34.5 50.1 75.1#





#25

Chloroform

Concen: 1.066 ug/l

RT: 7.972 min Scan# 1026

Delta R.T. -0.000 min

Lab File: VN076895.D

Acq: 09 Mar 2023 12:03

Instrument :

MSVOA_N

ClientSampleId :

RW5-IDWGW-20230308

Tgt Ion: 83 Resp: 1173

Ion Ratio Lower Upper

83 100

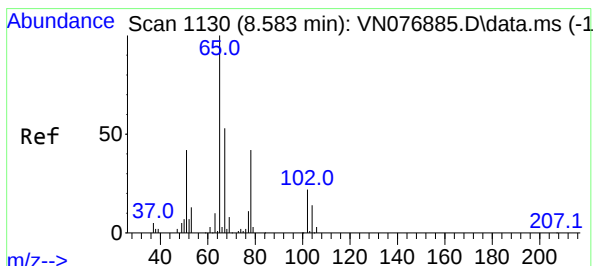
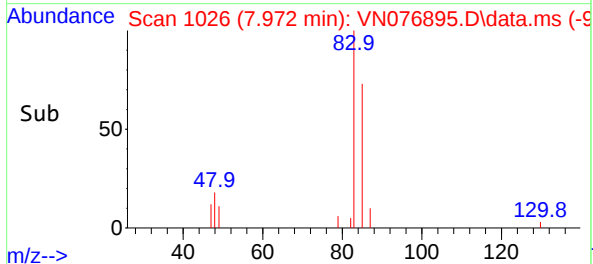
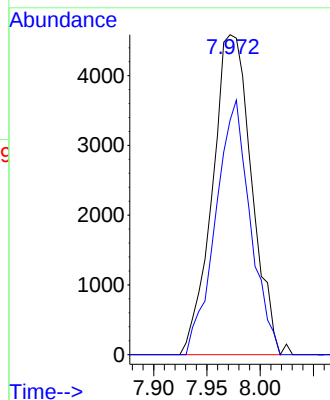
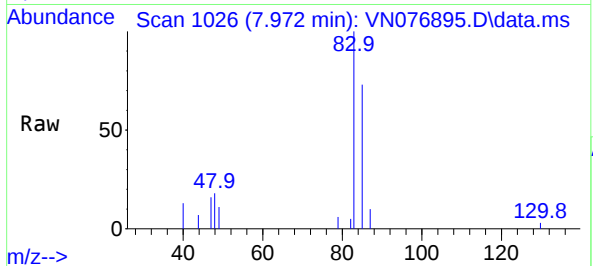
85 73.3 51.8 77.6

Manual Integrations

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#27

1,2-Dichloroethane-d4

Concen: 32.519 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN076895.D

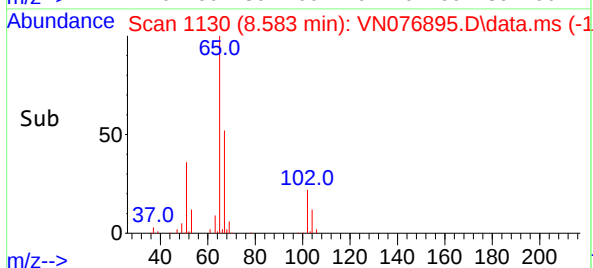
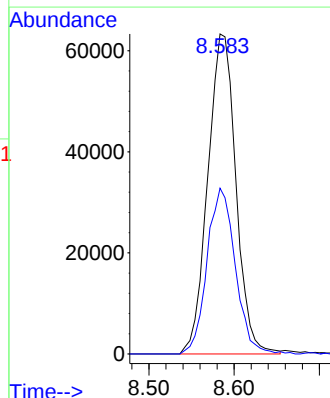
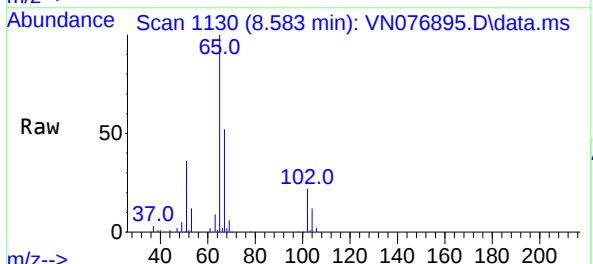
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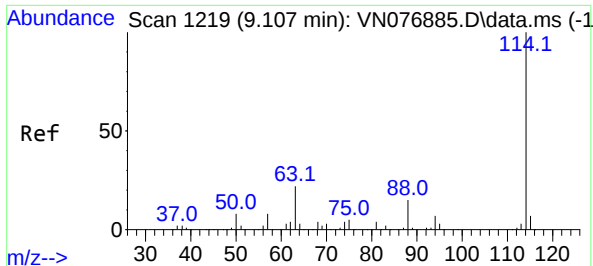
Tgt Ion: 65 Resp: 145246

Ion Ratio Lower Upper

65 100

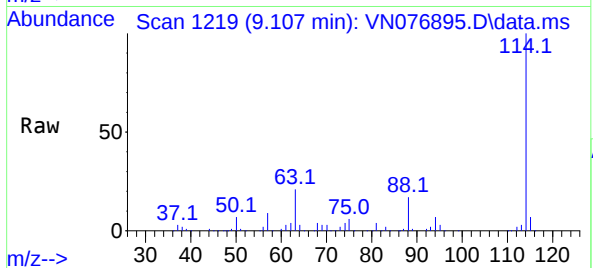
67 52.0 40.9 61.3





#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.107 min Scan# 114
Delta R.T. -0.000 min
Lab File: VN076895.D
Acq: 09 Mar 2023 12:03

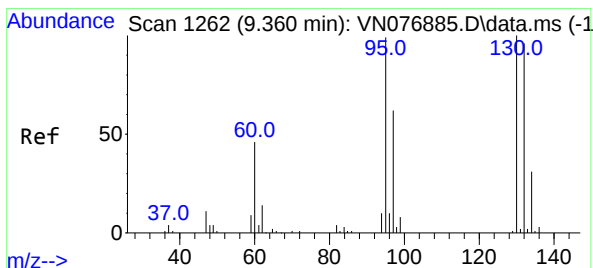
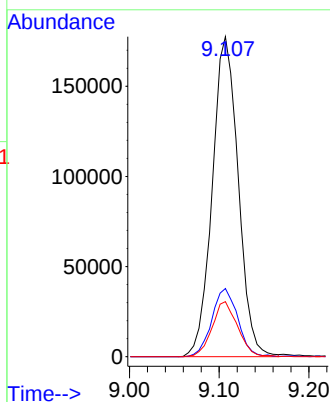
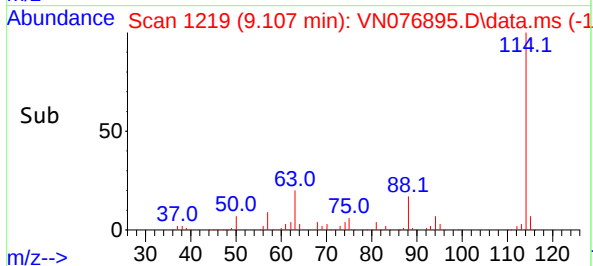
Instrument :
MSVOA_N
ClientSampleId :
RW5-IDWGW-20230308



Tgt Ion:114 Resp: 35625
Ion Ratio Lower Upper
114 100
63 21.4 17.0 25.4
88 16.8 11.6 17.4

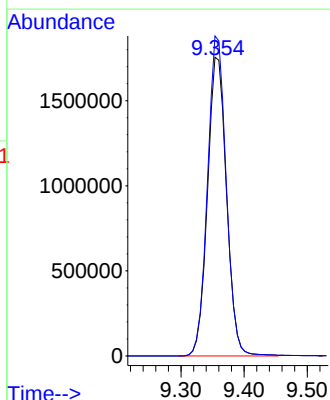
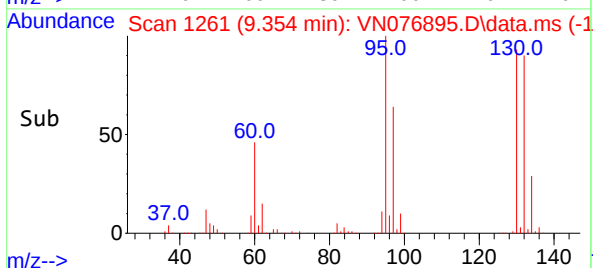
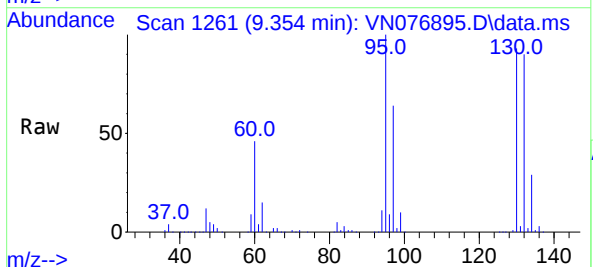
Manual Integrations
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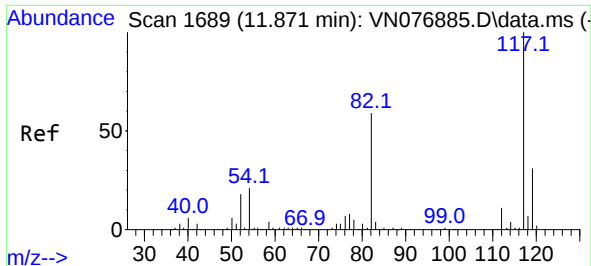
Reviewed By :John Carlone 03/10/2023
Supervised By :Mahesh Dadoda 03/10/2023



#37
Trichloroethene
Concen: 580.551 ug/l
RT: 9.354 min Scan# 1261
Delta R.T. -0.000 min
Lab File: VN076895.D
Acq: 09 Mar 2023 12:03

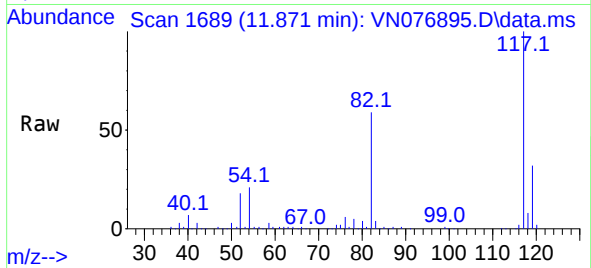
Tgt Ion:130 Resp: 3680980
Ion Ratio Lower Upper
130 100
95 107.1 78.7 118.1





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN076895.D
Acq: 09 Mar 2023 12:03

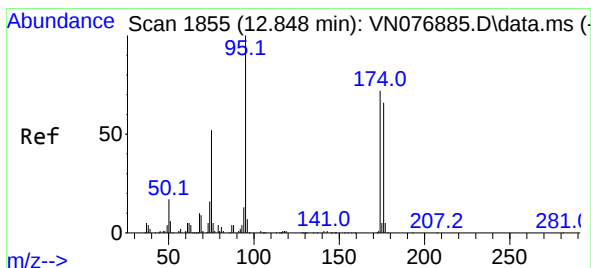
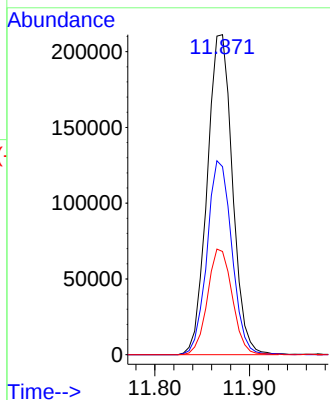
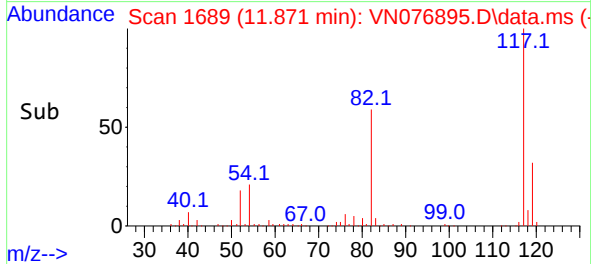
Instrument :
MSVOA_N
ClientSampleId :
RW5-IDWGW-20230308



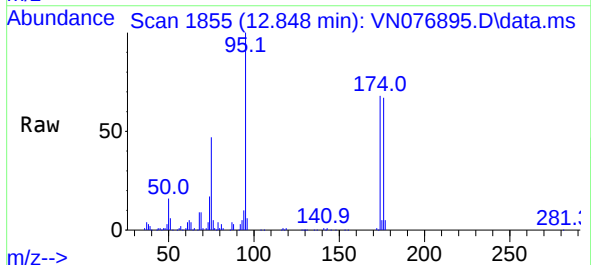
Tgt Ion:117 Resp: 392404
Ion Ratio Lower Upper
117 100
82 59.5 45.4 68.0
119 32.4 26.8 40.2

Manual Integrations
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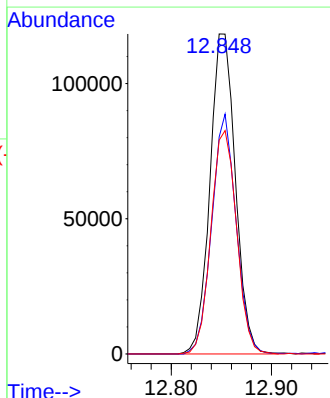
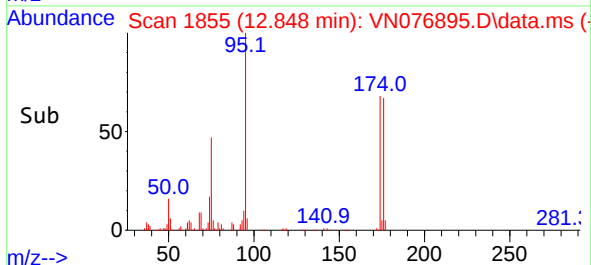
Reviewed By :John Carlone 03/10/2023
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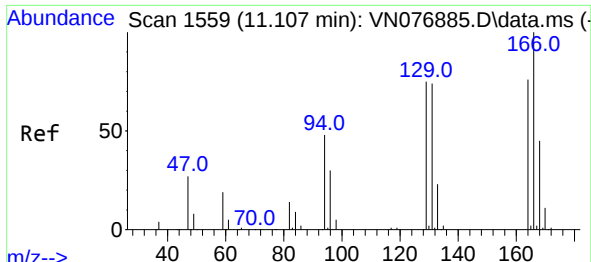


#60
4-Bromofluorobenzene
Concen: 28.046 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.000 min
Lab File: VN076895.D
Acq: 09 Mar 2023 12:03



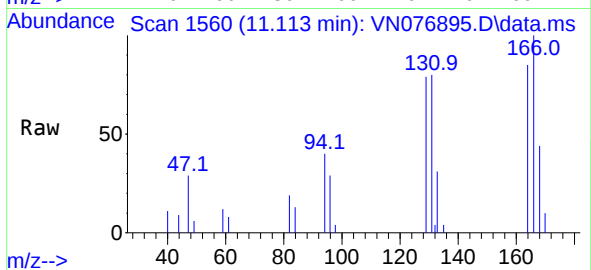
Tgt Ion: 95 Resp: 208288
Ion Ratio Lower Upper
95 100
174 71.9 64.2 96.4
176 70.2 61.4 92.0





#61
Tetrachloroethene
Concen: 1.093 ug/l
RT: 11.113 min Scan# 1560
Delta R.T. 0.006 min
Lab File: VN076895.D
Acq: 09 Mar 2023 12:03

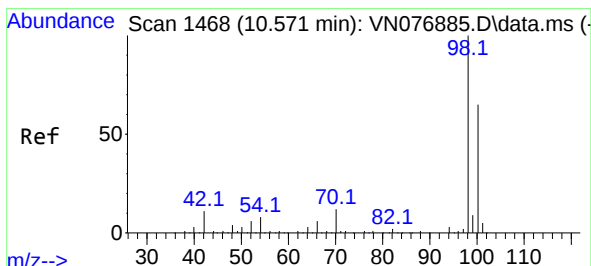
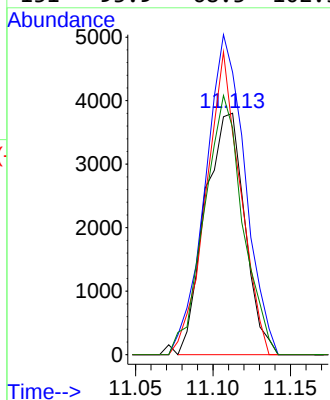
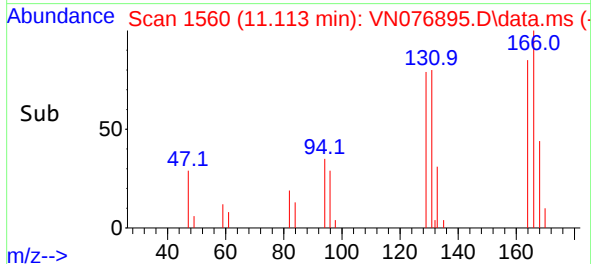
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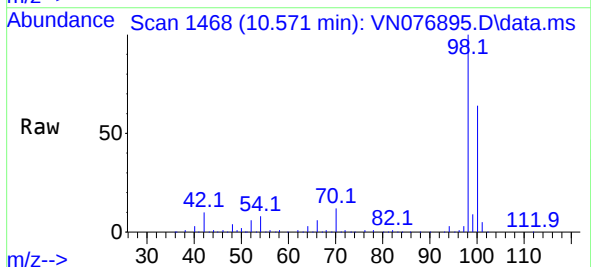
Tgt Ion:164 Resp: 677
Ion Ratio Lower Upper
164 100
166 117.0 96.2 144.2
129 91.9 78.2 117.4
131 93.9 68.3 102.5

Manual Integrations
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#63
Toluene-d8
Concen: 29.729 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. -0.001 min
Lab File: VN076895.D
Acq: 09 Mar 2023 12:03



Tgt Ion: 98 Resp: 410309
Ion Ratio Lower Upper
98 100
100 65.1 53.8 80.6

