

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082923\
 Data File : VN079104.D
 Acq On : 29 Aug 2023 19:20
 Operator : JC\MD
 Sample : 04225-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 230828042-01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/30/2023
 Supervised By : Mahesh Dadoda 09/01/2023

Quant Time: Aug 30 01:15:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N081723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 18 05:21:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.824	128	34074	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	181369	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	149972	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	83522	30.256	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.867%			
60) 4-Bromofluorobenzene	12.853	95	47210	21.580	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 71.933%			
63) Toluene-d8	10.571	98	208836	29.819	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.400%			
Target Compounds						
					Qvalue	
22) cis-1,2-Dichloroethene	7.494	96	6104m	2.626	ug/l	
25) Chloroform	7.971	83	44069	10.956	ug/l	98
36) 1,2-Dichloroethane	8.677	62	2939	0.949	ug/l #	86
37) Trichloroethene	9.359	130	4311	2.095	ug/l #	73
41) Bromodichloromethane	9.894	83	5130	1.709	ug/l	88
61) Tetrachloroethene	11.106	164	21830	15.033	ug/l #	82
62) Toluene	10.635	91	1815	0.222	ug/l #	75

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

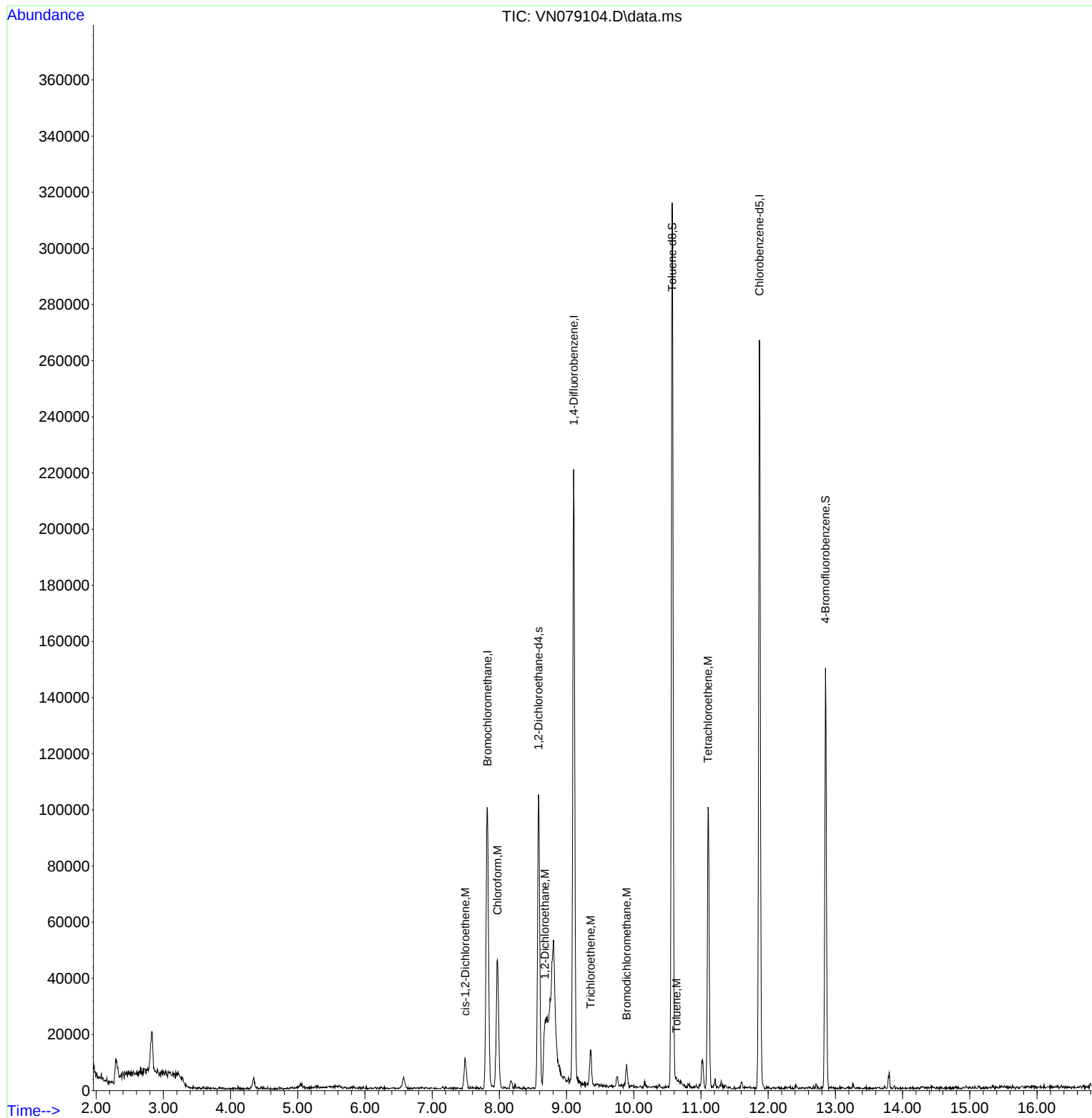
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082923\
Data File : VN079104.D
Acq On : 29 Aug 2023 19:20
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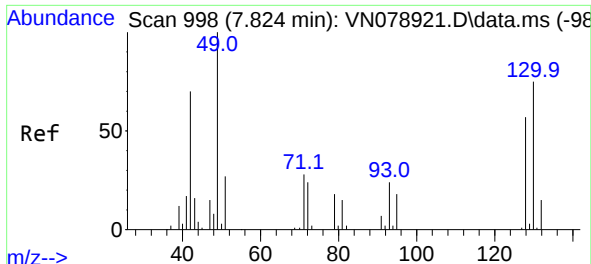
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MSVOA_N
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230828042-01

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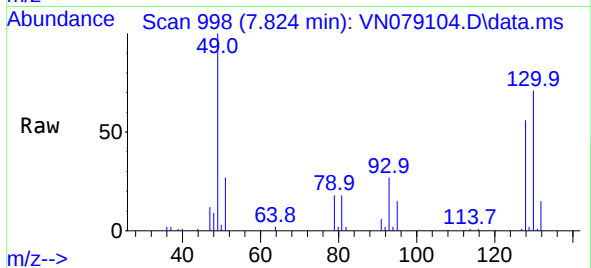
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N081723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 18 05:21:14 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN079104.D
Acq: 29 Aug 2023 19:20

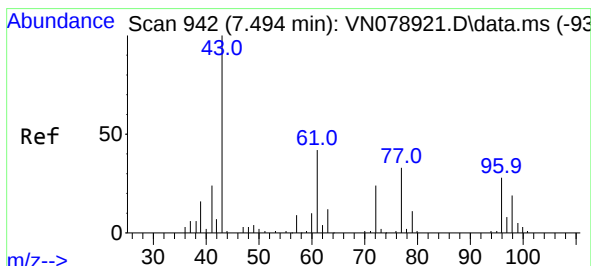
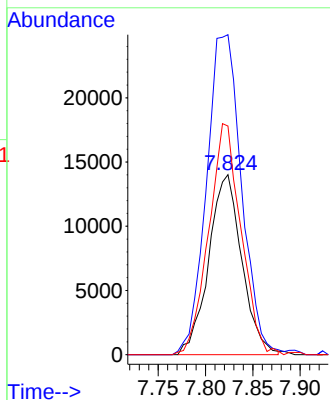
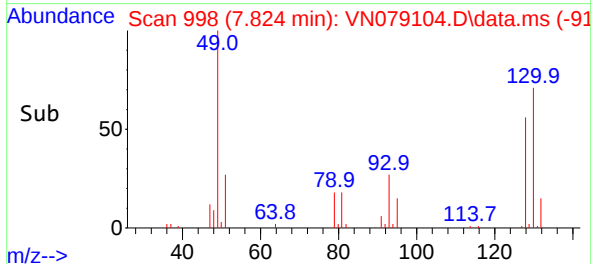
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230828042-01



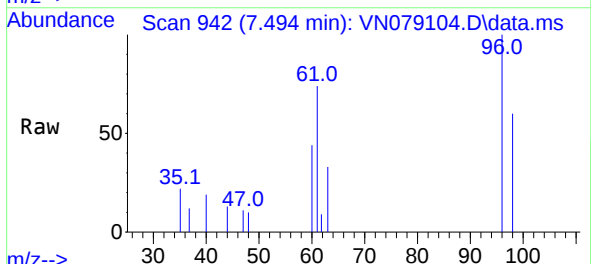
Tgt Ion:128 Resp: 34074
Ion Ratio Lower Upper
128 100
49 188.3 0.0 481.8
130 124.5 0.0 320.5

Manual Integrations
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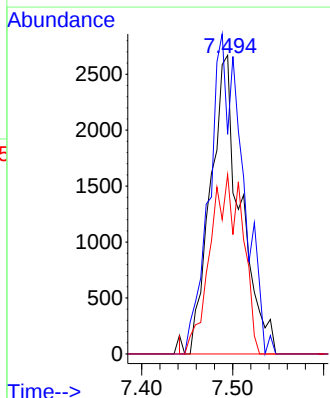
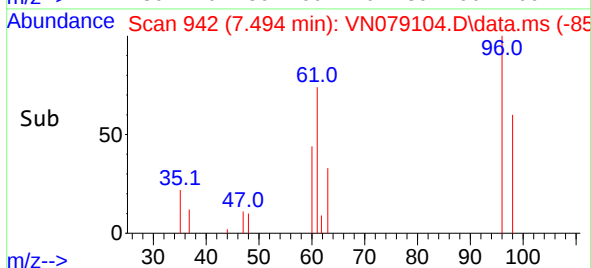
Reviewed By :John Carlone 08/30/2023
Supervised By :Mahesh Dadoda 09/01/2023

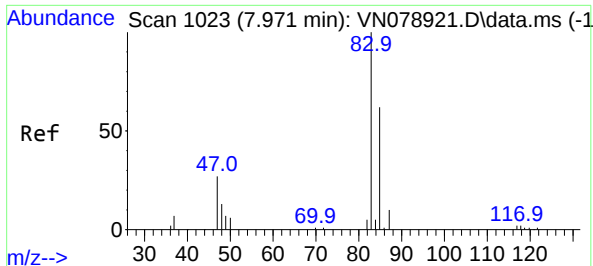


#22
cis-1,2-Dichloroethene
Concen: 2.626 ug/l m
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN079104.D
Acq: 29 Aug 2023 19:20



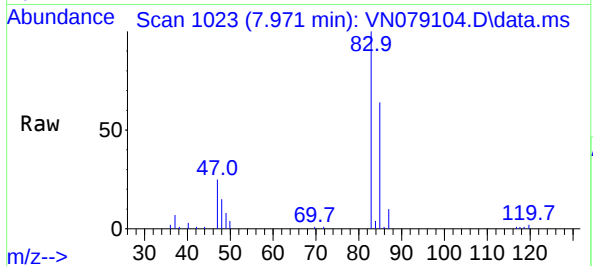
Tgt Ion: 96 Resp: 6104
Ion Ratio Lower Upper
96 100
61 67.1 121.8 182.6#
98 45.1 50.7 76.1#





#25
Chloroform
Concen: 10.956 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.000 min
Lab File: VN079104.D
Acq: 29 Aug 2023 19:20

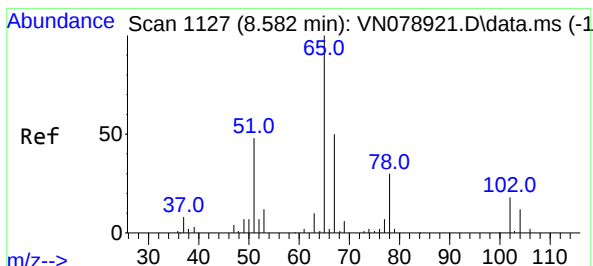
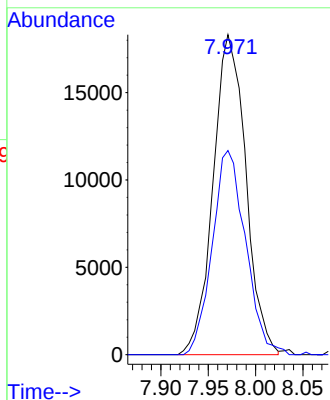
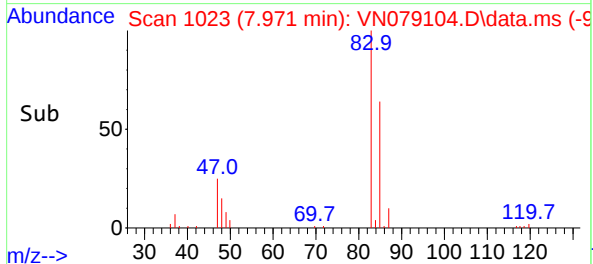
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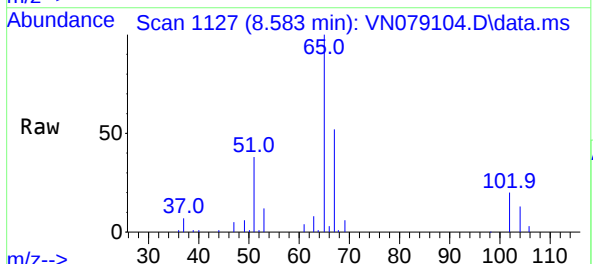
Tgt Ion: 83 Resp: 44069
Ion Ratio Lower Upper
83 100
85 63.8 49.6 74.4

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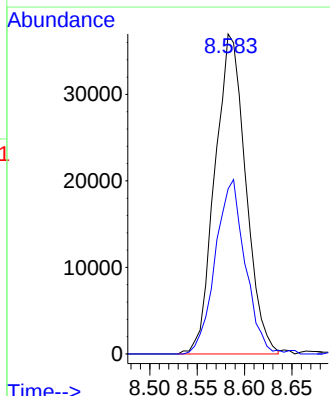
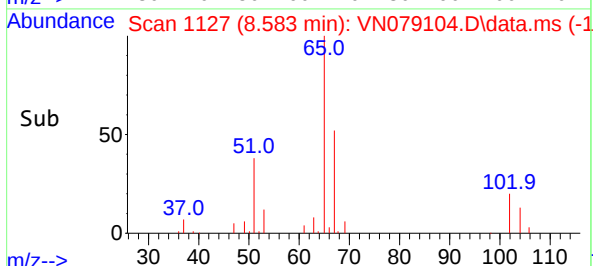
Reviewed By :John Carlone 08/30/2023
Supervised By :Mahesh Dadoda 09/01/2023

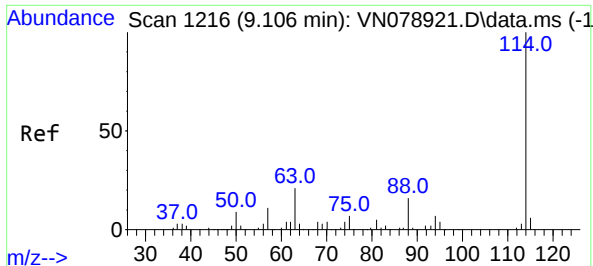


#27
1,2-Dichloroethane-d4
Concen: 30.256 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079104.D
Acq: 29 Aug 2023 19:20



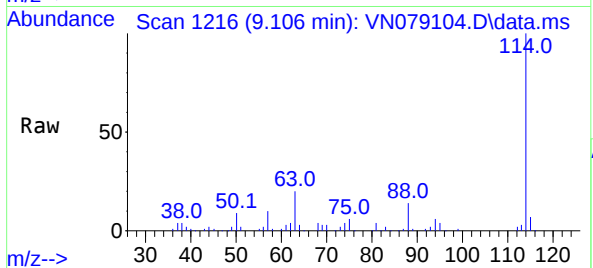
Tgt Ion: 65 Resp: 83522
Ion Ratio Lower Upper
65 100
67 52.8 40.7 61.1





#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VN079104.D
Acq: 29 Aug 2023 19:20

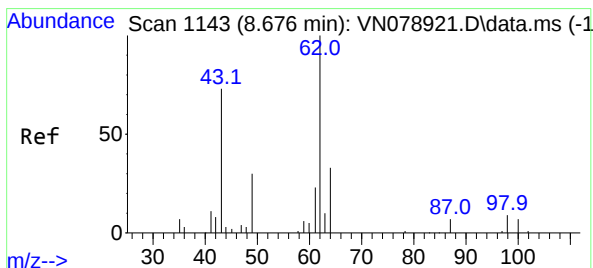
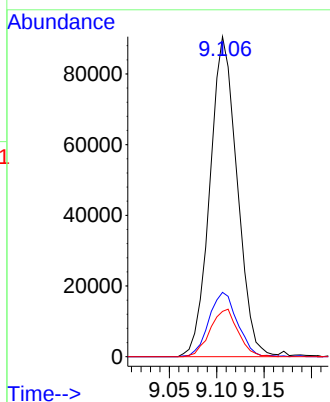
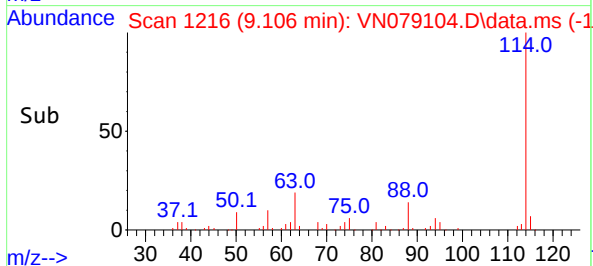
Instrument :
MSVOA_N
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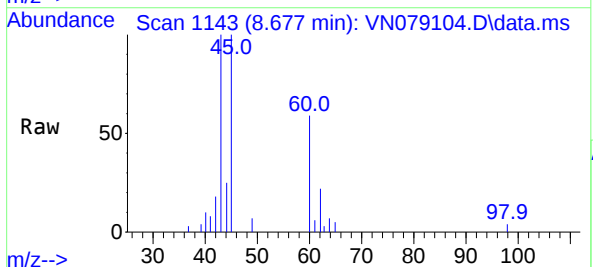
Tgt Ion:114 Resp: 181369
Ion Ratio Lower Upper
114 100
63 20.9 17.4 26.2
88 15.2 12.0 18.0

Manual Integrations
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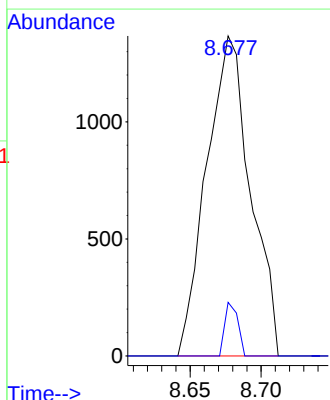
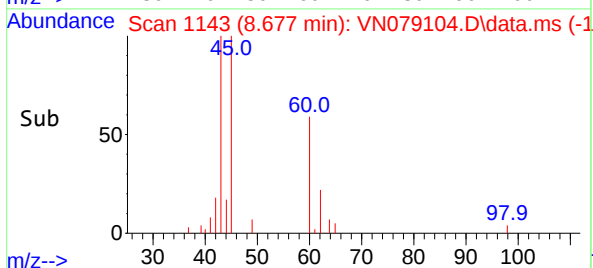
Reviewed By :John Carlone 08/30/2023
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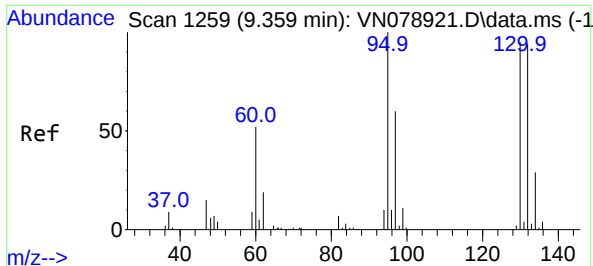


#36
1,2-Dichloroethane
Concen: 0.949 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VN079104.D
Acq: 29 Aug 2023 19:20



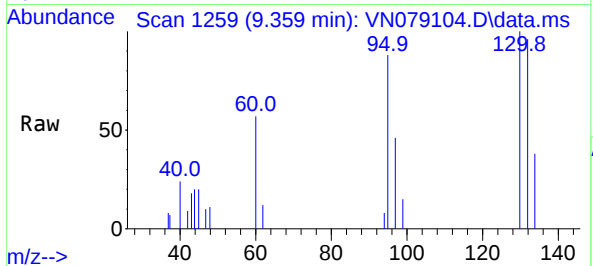
Tgt Ion: 62 Resp: 2939
Ion Ratio Lower Upper
62 100
98 4.9 8.1 12.1#





#37
Trichloroethene
Concen: 2.095 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VN079104.D
Acq: 29 Aug 2023 19:20

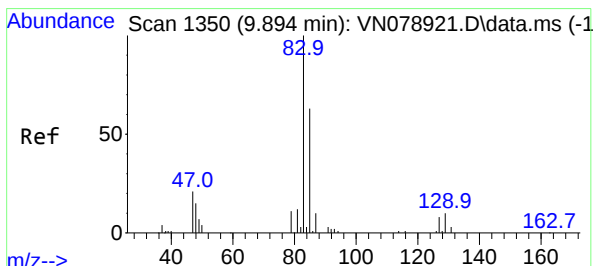
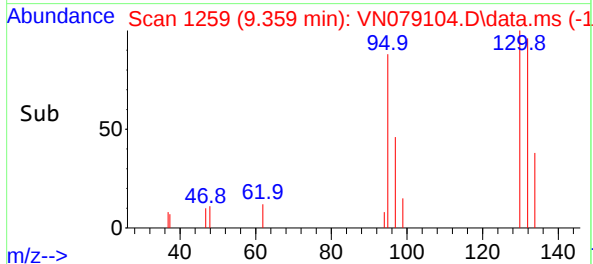
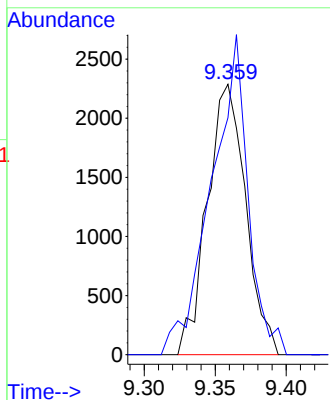
Instrument :
MSVOA_N
ClientSampleId :
230828042-01



Tgt Ion:130 Resp: 431
Ion Ratio Lower Upper
130 100
95 77.8 84.6 127.0

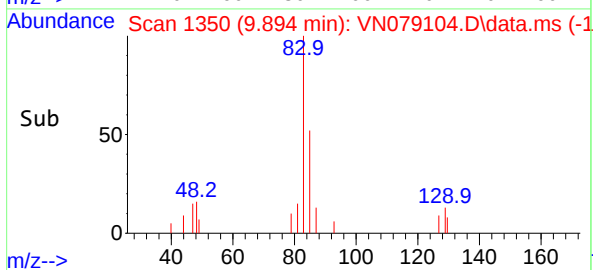
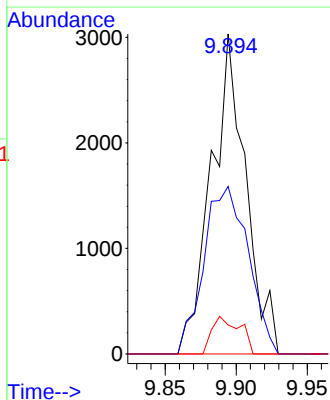
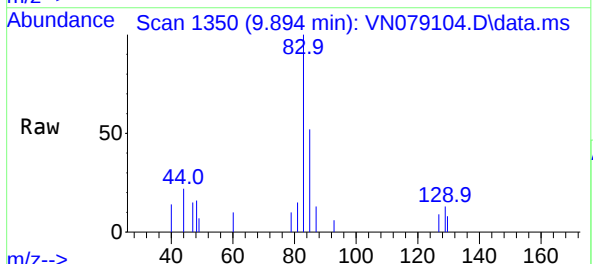
Manual Integrations
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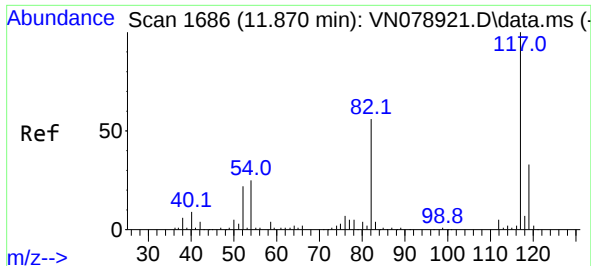
Reviewed By :John Carlone 08/30/2023
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#41
Bromodichloromethane
Concen: 1.709 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VN079104.D
Acq: 29 Aug 2023 19:20

Tgt Ion: 83 Resp: 5130
Ion Ratio Lower Upper
83 100
85 52.3 50.2 75.2
127 9.0 6.2 9.4





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079104.D
Acq: 29 Aug 2023 19:20

Instrument :

MSVOA_N

ClientSampleId :

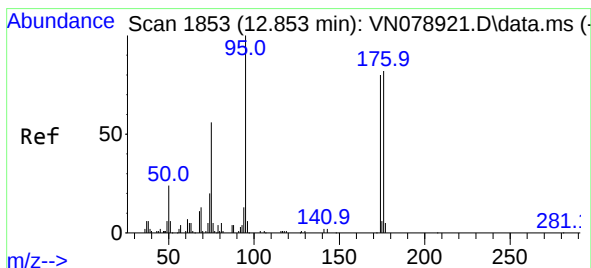
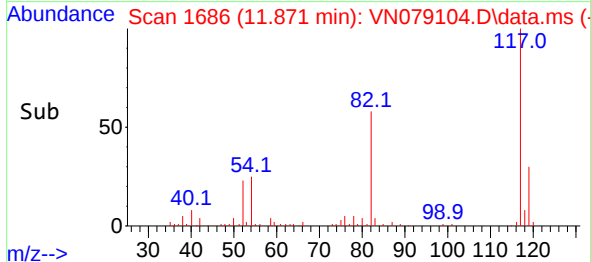
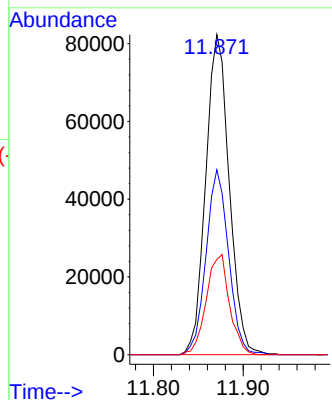
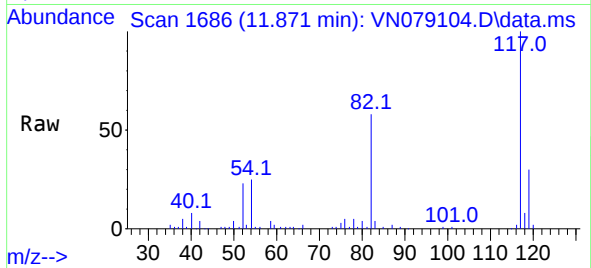
230828042-01

Tgt Ion:117 Resp: 149972
Ion Ratio Lower Upper
117 100
82 55.4 43.4 65.0
119 30.9 25.5 38.3

Manual Integrations

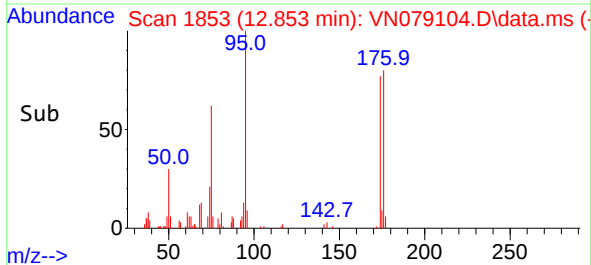
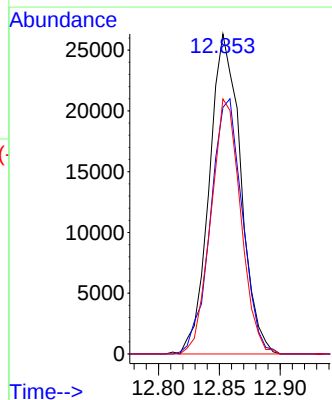
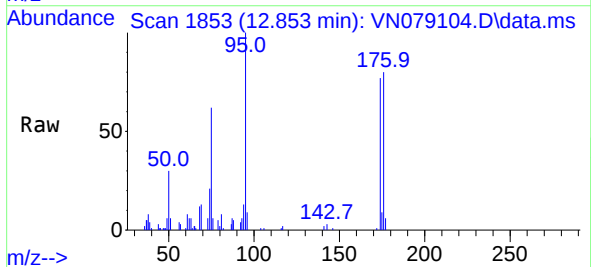
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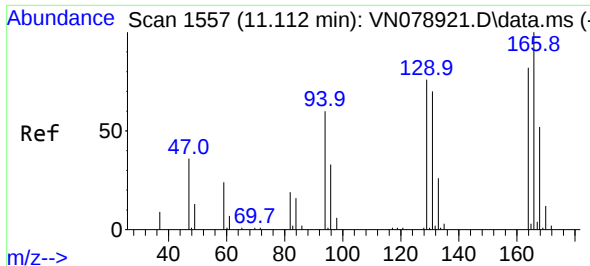
Reviewed By :John Carlone 08/30/2023
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#60
4-Bromofluorobenzene
Concen: 21.580 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079104.D
Acq: 29 Aug 2023 19:20

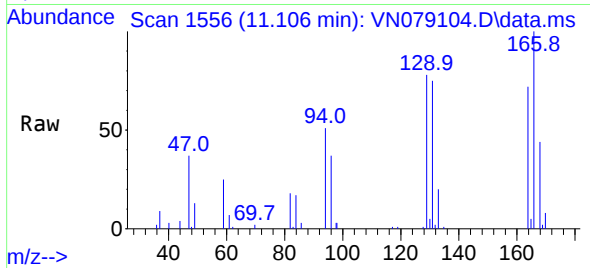
Tgt Ion: 95 Resp: 47210
Ion Ratio Lower Upper
95 100
174 80.7 64.8 97.2
176 75.9 63.0 94.6





#61
Tetrachloroethene
Concen: 15.033 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.006 min
Lab File: VN079104.D
Acq: 29 Aug 2023 19:20

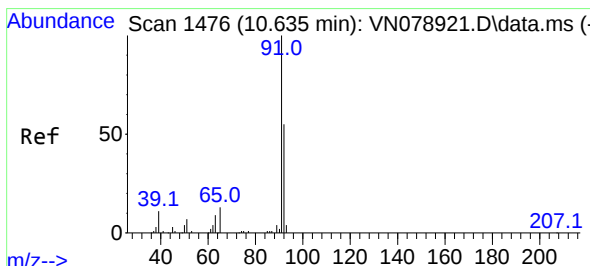
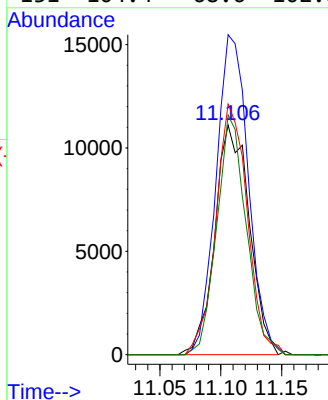
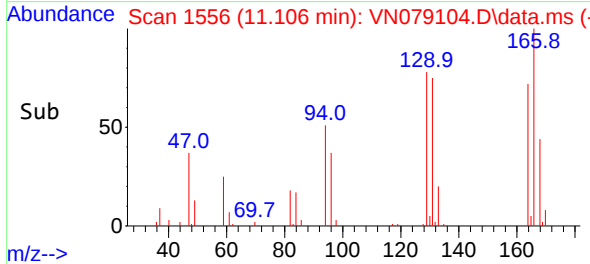
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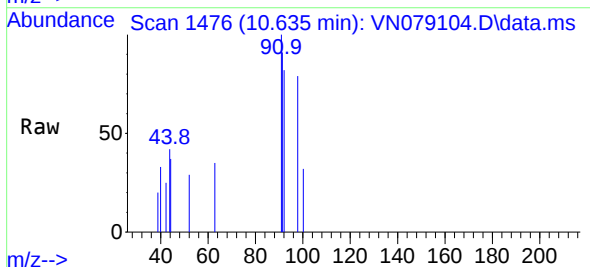
Tgt Ion:164 Resp: 21830
Ion Ratio Lower Upper
164 100
166 139.5 97.6 146.4
129 109.2 74.1 111.1
131 104.4 68.6 102.8#

Manual Integrations
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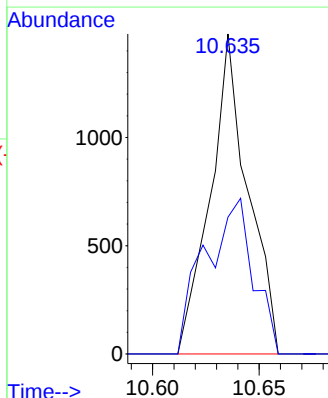
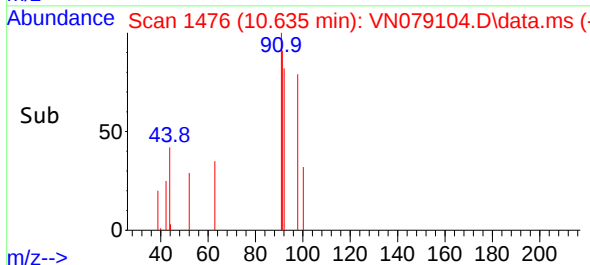
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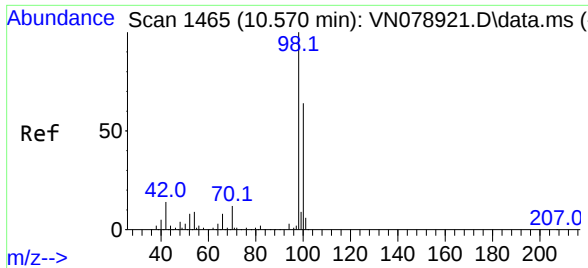


#62
Toluene
Concen: 0.222 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN079104.D
Acq: 29 Aug 2023 19:20



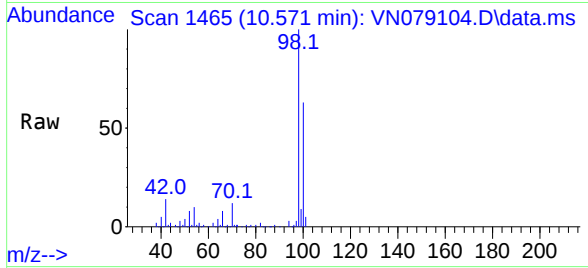
Tgt Ion: 91 Resp: 1815
Ion Ratio Lower Upper
91 100
92 37.7 44.7 67.1#





#63
Toluene-d8
Concen: 29.819 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079104.D
Acq: 29 Aug 2023 19:20

Instrument :
MSVOA_N
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Tgt Ion: 98 Resp: 208830
Ion Ratio Lower Upper
98 100
100 64.3 51.1 76.7

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