

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL041222\  
 Data File : VL038893.D  
 Acq On : 12 Apr 2022 15:44  
 Operator : SY/AP  
 Sample : QC041122 CAN 10303  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

**Instrument :**  
 MSVOA\_L  
**ClientSampleId :**  
 QC041122 CAN 10303

Quant Time: Apr 13 01:18:11 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL040522AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Apr 06 06:12:53 2022  
 QLast Update : Wed Apr 06 06:12:53 2022  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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Internal Standards						
1) Bromochloromethane	5.664	49	1149913	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.172	114	2982958	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.079	117	2525336	10.000	ppbv	0.00

System Monitoring Compounds  
 68) 1-Bromo-4-Fluorobenzene 14.407 95 1941769 10.137 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.400%

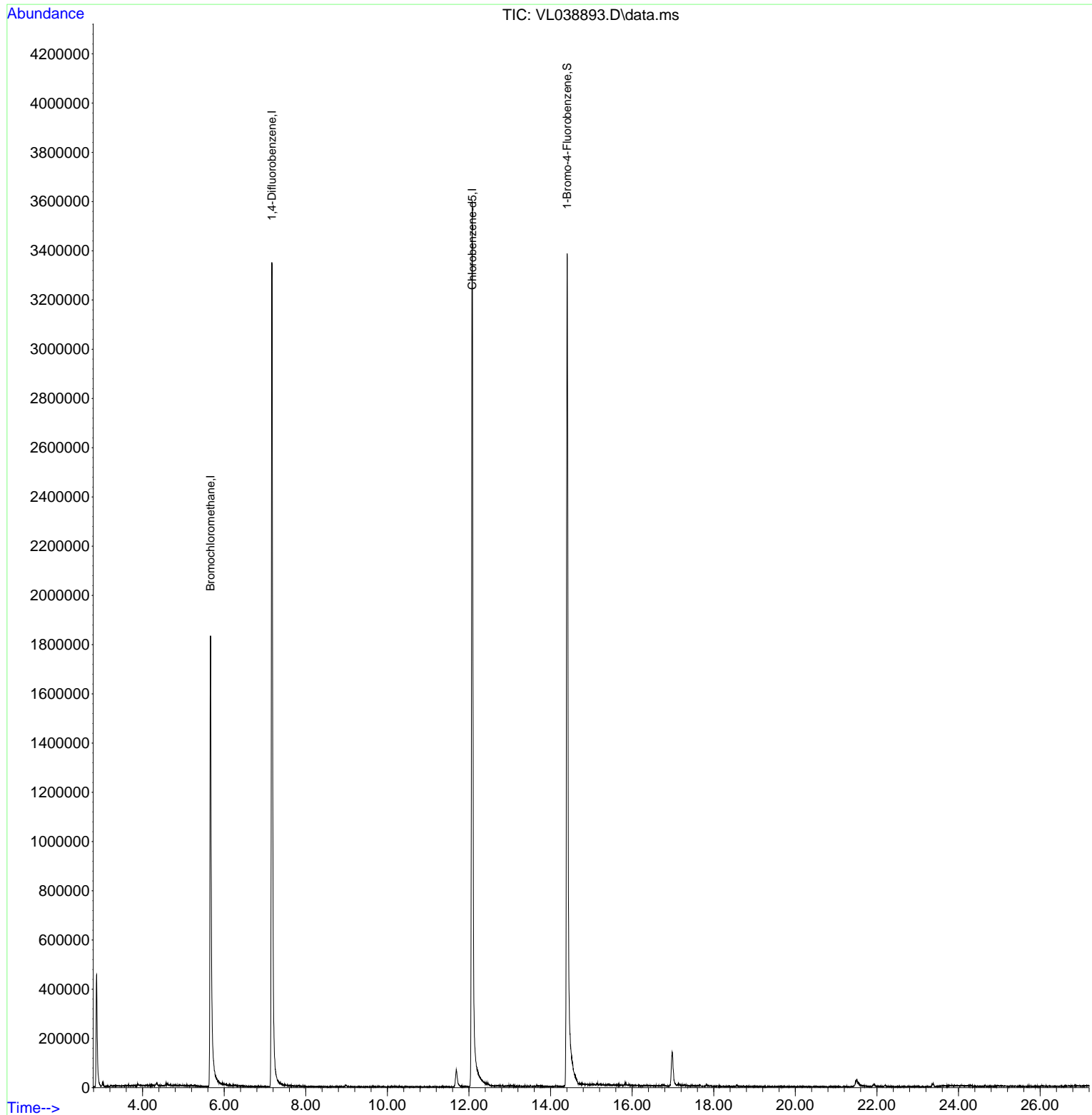
Target Compounds Qvalue  
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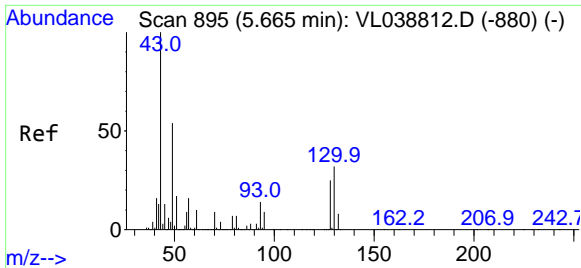
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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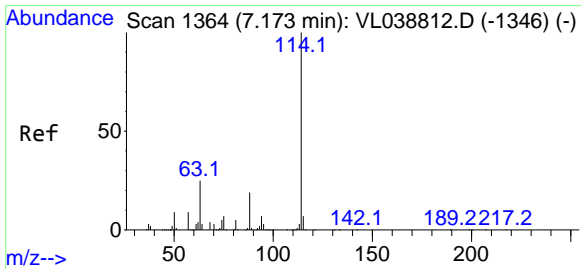
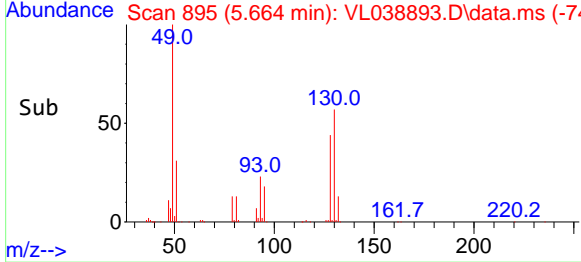
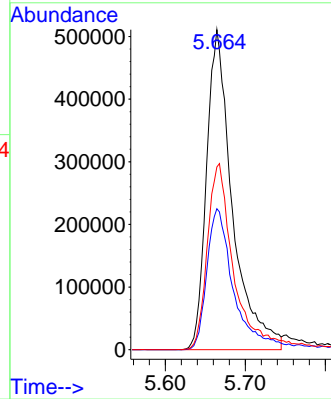
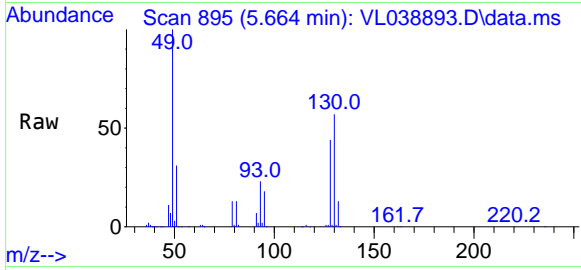




#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 5.664 min Scan# 895  
 Delta R.T. -0.000 min  
 Lab File: VL038893.D  
 Acq: 12 Apr 2022 15:44

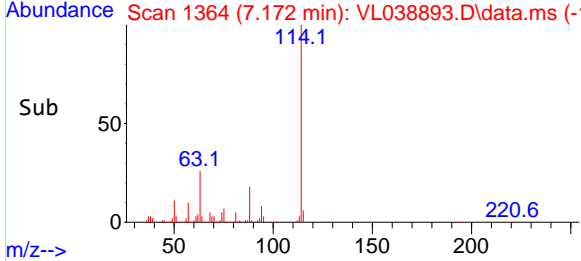
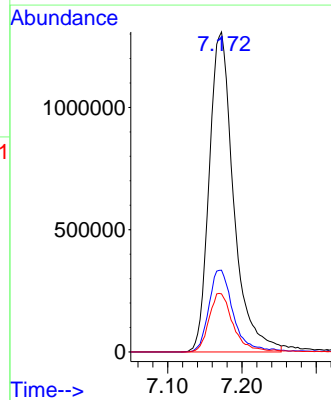
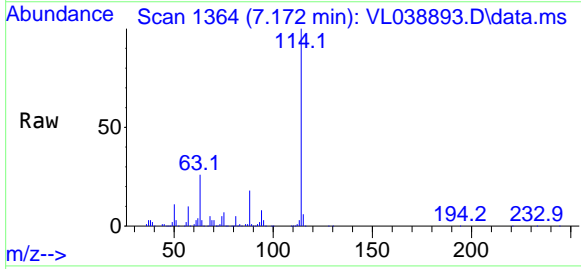
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 QC041122 CAN 10303

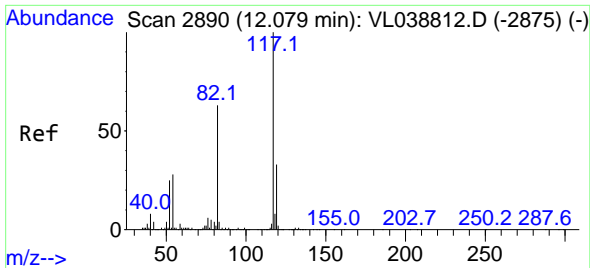
Tgt Ion: 49 Resp: 1149913  
 Ion Ratio Lower Upper  
 49 100  
 128 47.3 24.1 72.3  
 130 61.5 30.9 92.8



#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.172 min Scan# 1364  
 Delta R.T. -0.000 min  
 Lab File: VL038893.D  
 Acq: 12 Apr 2022 15:44

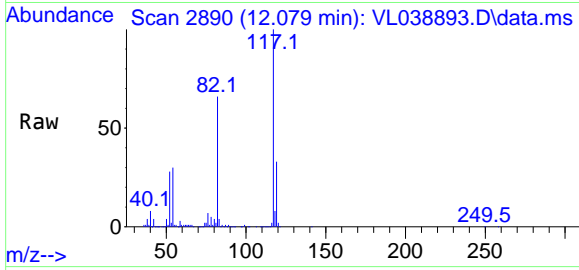
Tgt Ion: 114 Resp: 2982958  
 Ion Ratio Lower Upper  
 114 100  
 63 26.2 19.8 29.8  
 88 18.5 14.2 21.4





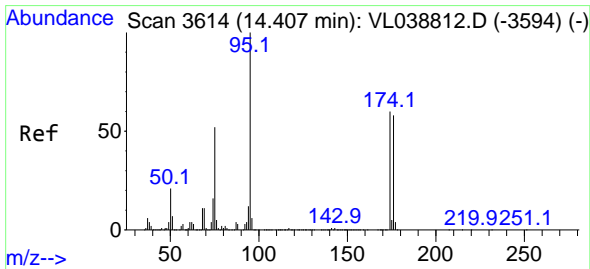
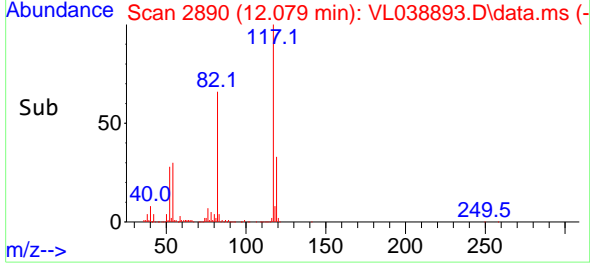
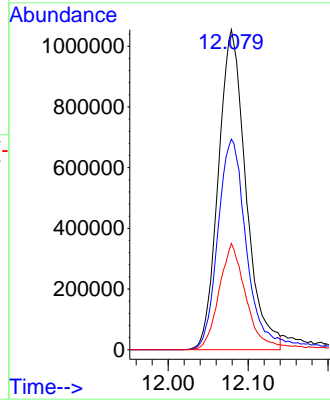
#55  
 Chlorobenzene-d5  
 Concen: 10.000 ppbv  
 RT: 12.079 min Scan# 2890  
 Delta R.T. -0.000 min  
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Tgt Ion:117 Resp: 2525336

Ion	Ratio	Lower	Upper
117	100		
82	71.5	53.0	79.6
119	34.4	24.9	37.3



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.137 ppbv  
 RT: 14.407 min Scan# 3614  
 Delta R.T. -0.000 min  
 Lab File: VL038893.D  
 Acq: 12 Apr 2022 15:44

Tgt Ion: 95 Resp: 1941769

Ion	Ratio	Lower	Upper
95	100		
174	66.6	52.0	78.0
175	4.7	4.0	6.0

