

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
 Data File : VL040924.D
 Acq On : 21 Dec 2023 9:53
 Operator : SY/MD
 Sample : VL1221ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1221ABL01

Quant Time: Dec 22 00:04:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 21 07:32:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	1247675	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.632	114	3195393	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.433	117	2704220	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.741	95	2011994	10.101	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.000%

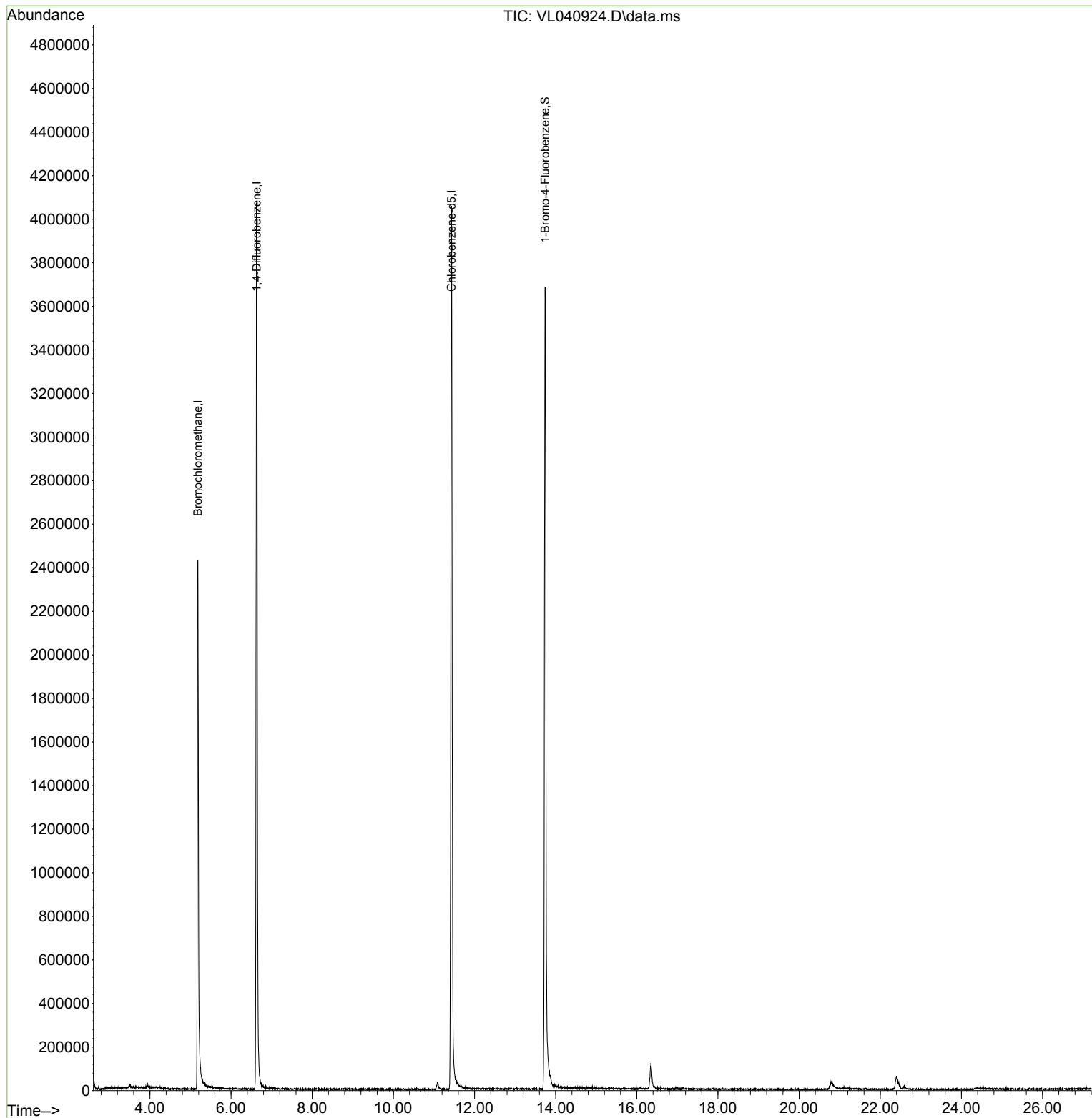
Target Compounds	Qvalue

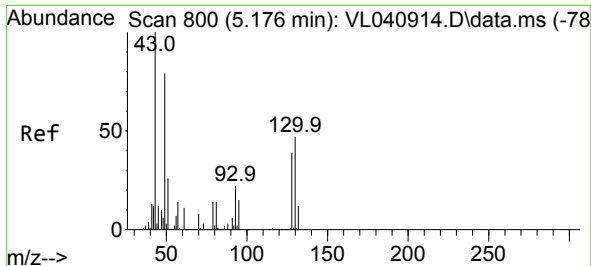
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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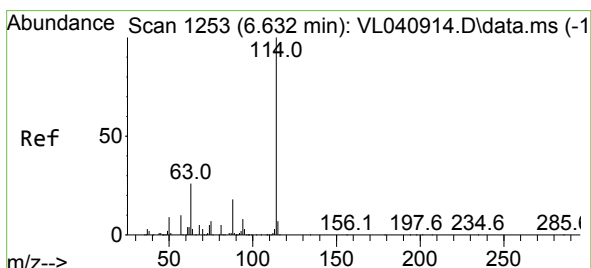
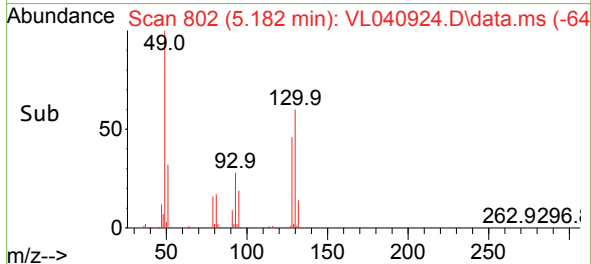
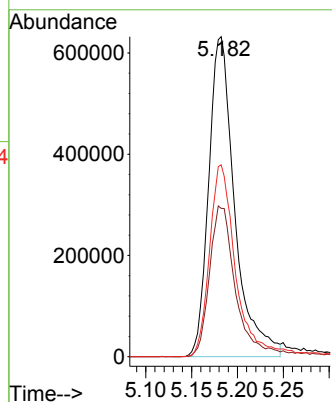
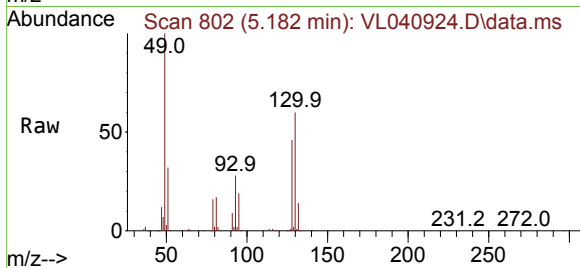




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.182 min Scan# 800
 Delta R.T. 0.006 min
 Lab File: VL040924.D
 Acq: 21 Dec 2023 9:53

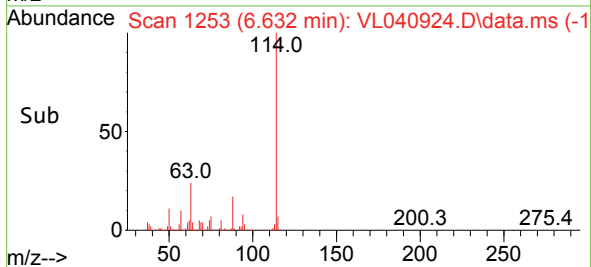
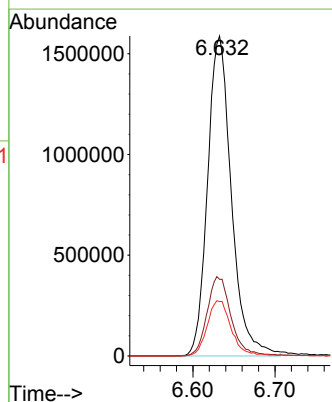
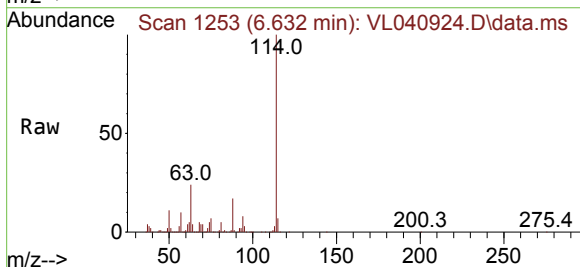
Instrument :
 MSVOA_1
 ClientSampleId :
 VL1221ABL01

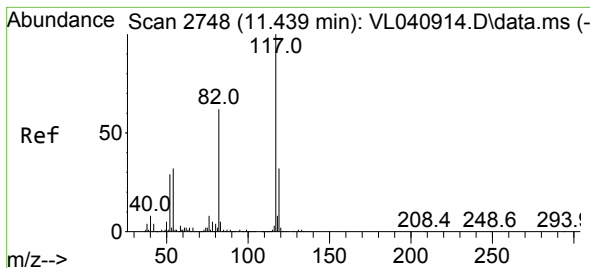
Tgt Ion: 49 Resp: 1247675
 Ion Ratio Lower Upper
 49 100
 128 48.5 23.8 71.2
 130 62.1 30.1 90.5



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.632 min Scan# 1253
 Delta R.T. 0.000 min
 Lab File: VL040924.D
 Acq: 21 Dec 2023 9:53

Tgt Ion: 114 Resp: 3195393
 Ion Ratio Lower Upper
 114 100
 63 25.4 21.0 31.6
 88 17.7 14.3 21.5

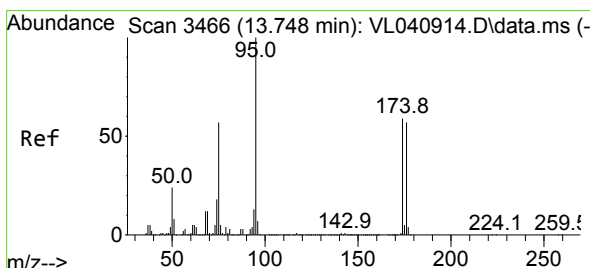
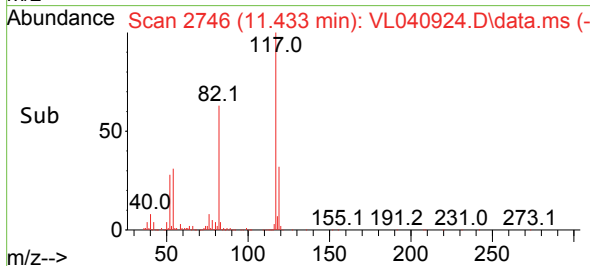
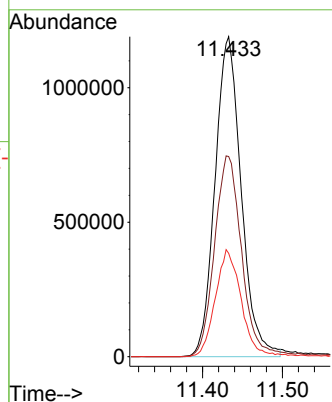
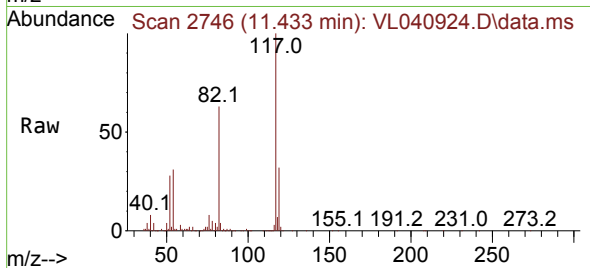




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.433 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL040924.D
Acq: 21 Dec 2023 9:53

Instrument :
MSVOA_L
ClientSampleId :
VL1221ABL01

Tgt Ion:117 Resp: 2704220
Ion Ratio Lower Upper
117 100
82 66.5 49.6 74.4
119 33.5 23.4 35.0



#68
1-Bromo-4-Fluorobenzene
Concen: 10.101 ppbv
RT: 13.741 min Scan# 3464
Delta R.T. -0.006 min
Lab File: VL040924.D
Acq: 21 Dec 2023 9:53

Tgt Ion: 95 Resp: 2011994
Ion Ratio Lower Upper
95 100
174 61.4 48.0 72.0
175 4.7 3.7 5.5

