

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121322\
 Data File : VL040010.D
 Acq On : 13 Dec 2022 17:36
 Operator : SY/MD
 Sample : N5969-01DL2 400X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1DL2

Quant Time: Dec 14 02:38:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Dec 02 23:21:36 2022
 Response via : Initial Calibration

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

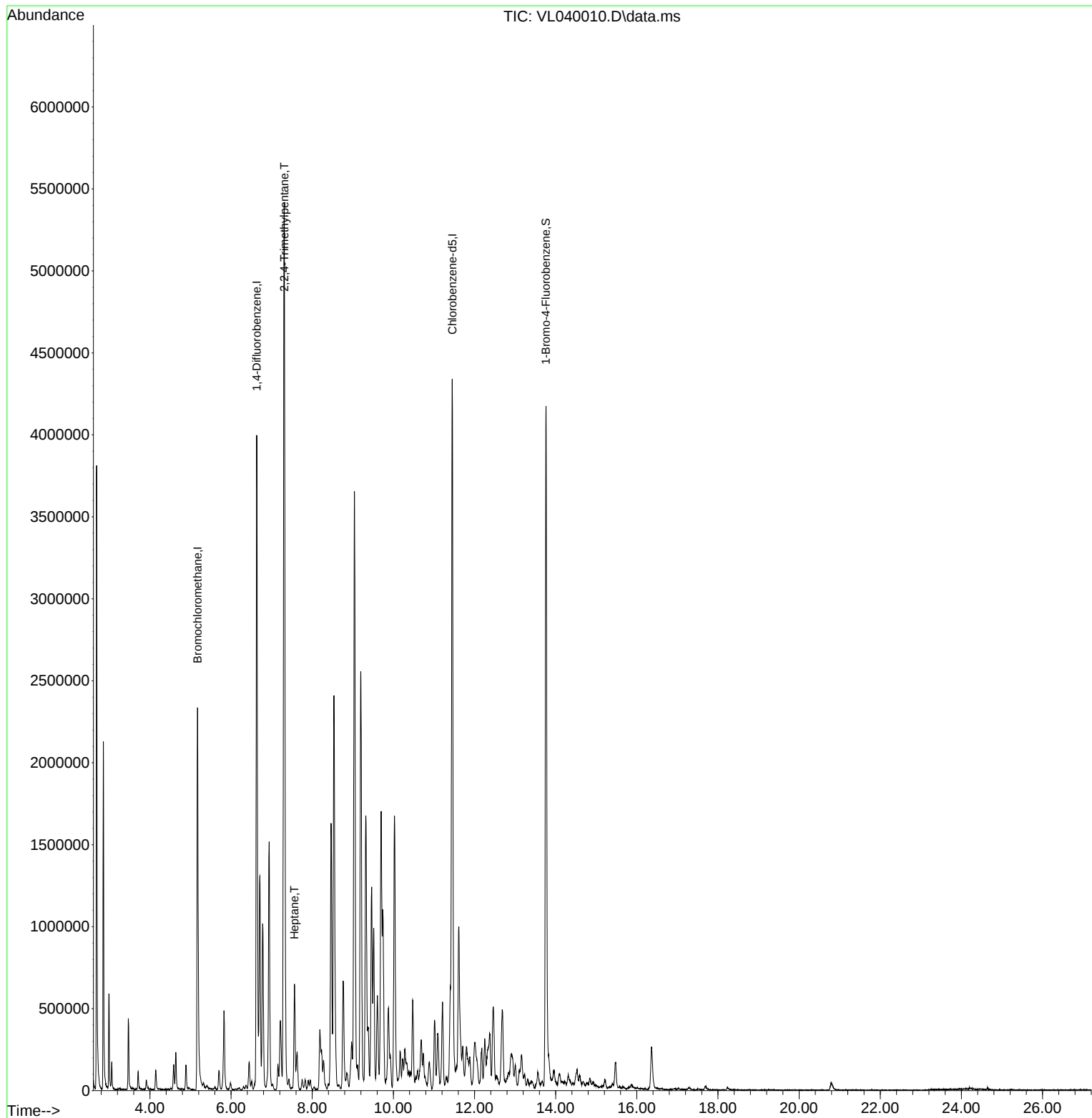
Internal Standards						
1) Bromochloromethane	5.172	49	1142282	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.632	114	3128838	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.452	117	2856571	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.760	95	2172606	9.957	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.600%
Target Compounds						
					Qvalue	
10) Heptane	7.561	43	278429	1.554	ppbv #	27
44) 2,2,4-Trimethylpentane	7.311	57	5661729	12.752	ppbv	97

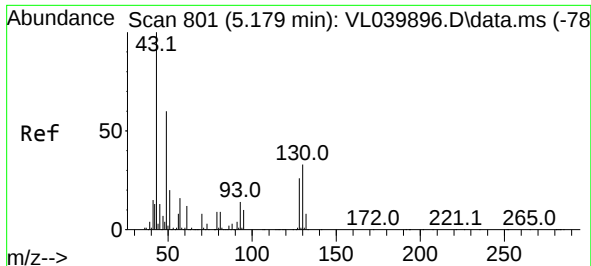
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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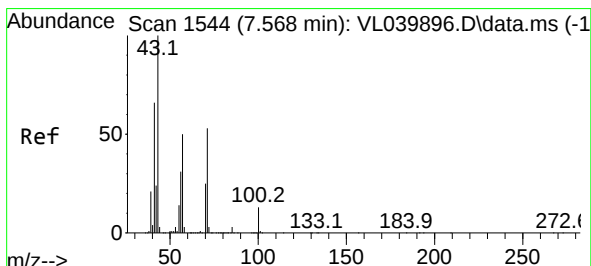
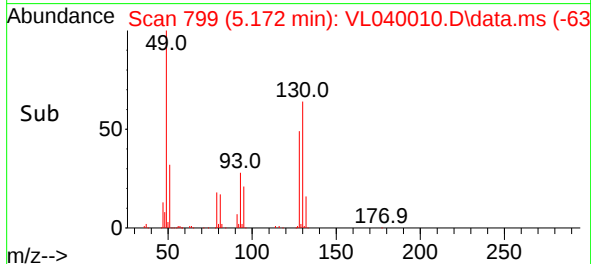
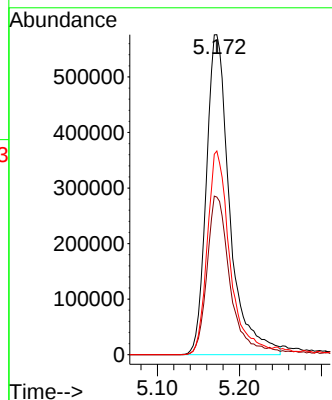
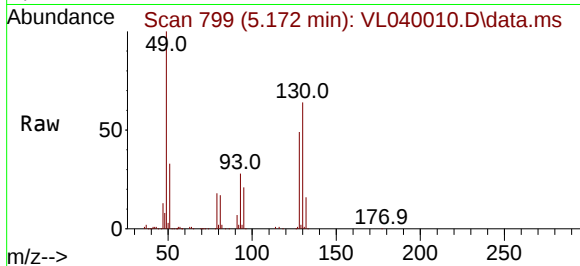




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.172 min Scan# 799
Delta R.T. 0.016 min
Lab File: VL040010.D
Acq: 13 Dec 2022 17:36

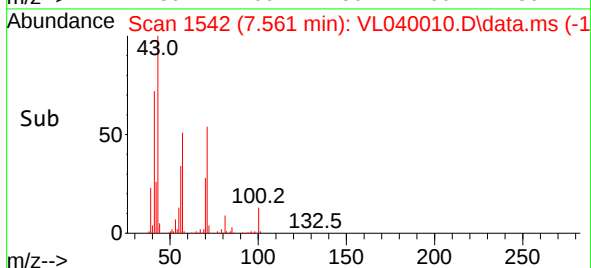
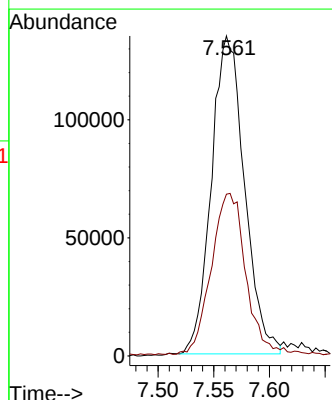
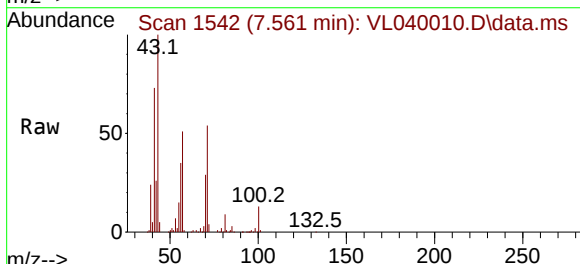
Instrument :
MSVOA_1
ClientSampleId :
SG-1DL2

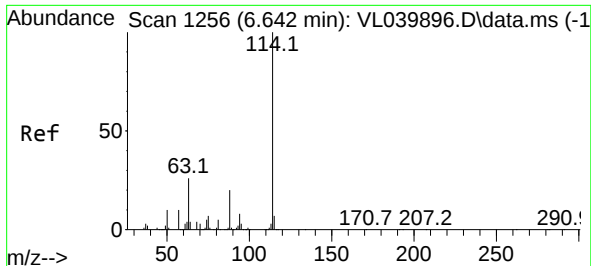
Tgt Ion: 49 Resp: 1142282
Ion Ratio Lower Upper
49 100
128 50.6 22.1 66.3
130 64.1 27.7 83.1



#10
Heptane
Concen: 1.554 ppbv
RT: 7.561 min Scan# 1542
Delta R.T. 0.016 min
Lab File: VL040010.D
Acq: 13 Dec 2022 17:36

Tgt Ion: 43 Resp: 278429
Ion Ratio Lower Upper
43 100
57 0.0 40.7 61.1#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.632 min Scan# 11

Delta R.T. 0.013 min

Lab File: VL040010.D

Acq: 13 Dec 2022 17:36

Instrument :

MSVOA_L

ClientSampleId :

SG-1DL2

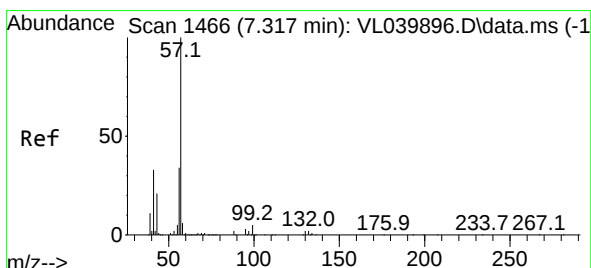
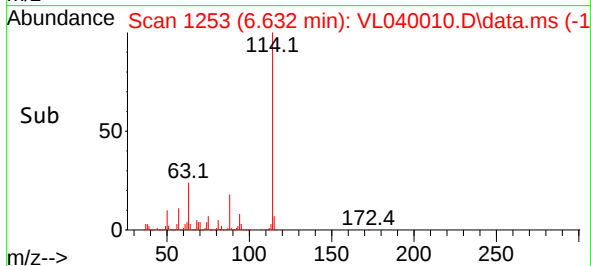
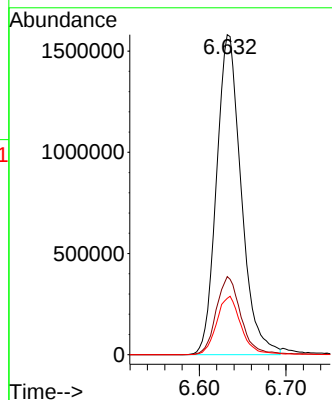
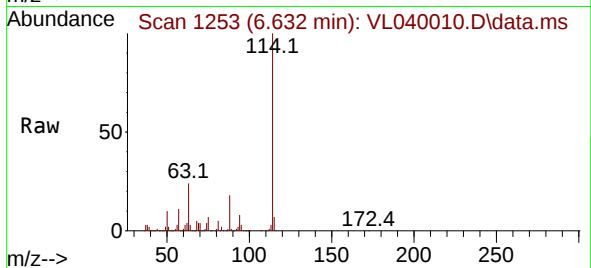
Tgt Ion:114 Resp: 3128838

Ion Ratio Lower Upper

114 100

63 24.6 21.4 32.0

88 18.3 15.3 22.9



#44

2,2,4-Trimethylpentane

Concen: 12.752 ppbv

RT: 7.311 min Scan# 1464

Delta R.T. 0.019 min

Lab File: VL040010.D

Acq: 13 Dec 2022 17:36

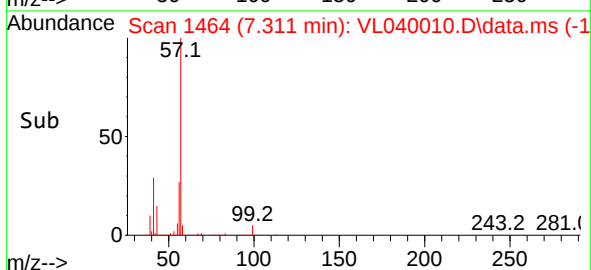
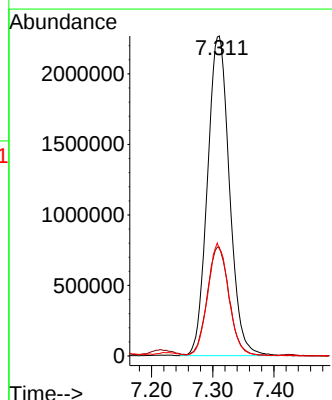
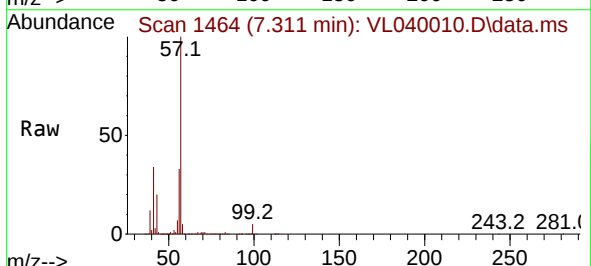
Tgt Ion: 57 Resp: 5661729

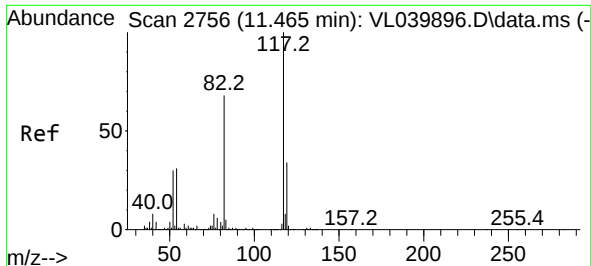
Ion Ratio Lower Upper

57 100

41 33.8 26.2 39.2

56 34.1 25.5 38.3

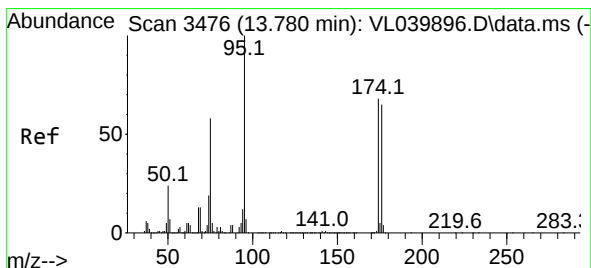
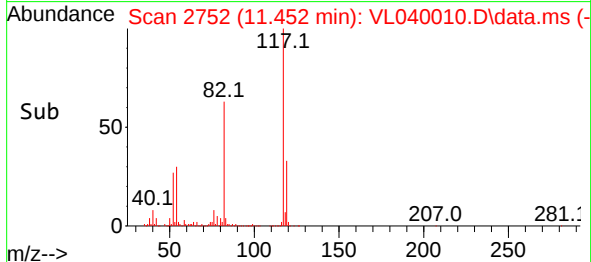
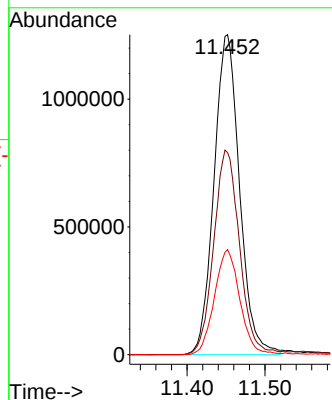
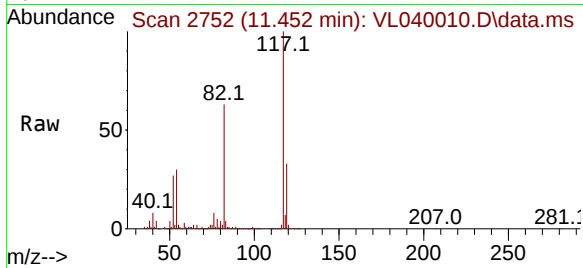




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL040010.D
Acq: 13 Dec 2022 17:36

Instrument :
MSVOA_1
ClientSampleId :
SG-1DL2

Tgt Ion:117 Resp: 2856571
Ion Ratio Lower Upper
117 100
82 65.1 52.3 78.5
119 33.0 25.7 38.5



#68
1-Bromo-4-Fluorobenzene
Concen: 9.957 ppbv
RT: 13.760 min Scan# 3470
Delta R.T. 0.019 min
Lab File: VL040010.D
Acq: 13 Dec 2022 17:36

Tgt Ion: 95 Resp: 2172606
Ion Ratio Lower Upper
95 100
174 63.2 53.7 80.5
175 4.5 4.0 6.0

