

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
 Data File : VL039995.D
 Acq On : 13 Dec 2022 3:35
 Operator : SY/MD
 Sample : N5969-01DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1DL2

Quant Time: Dec 13 07:14:12 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)

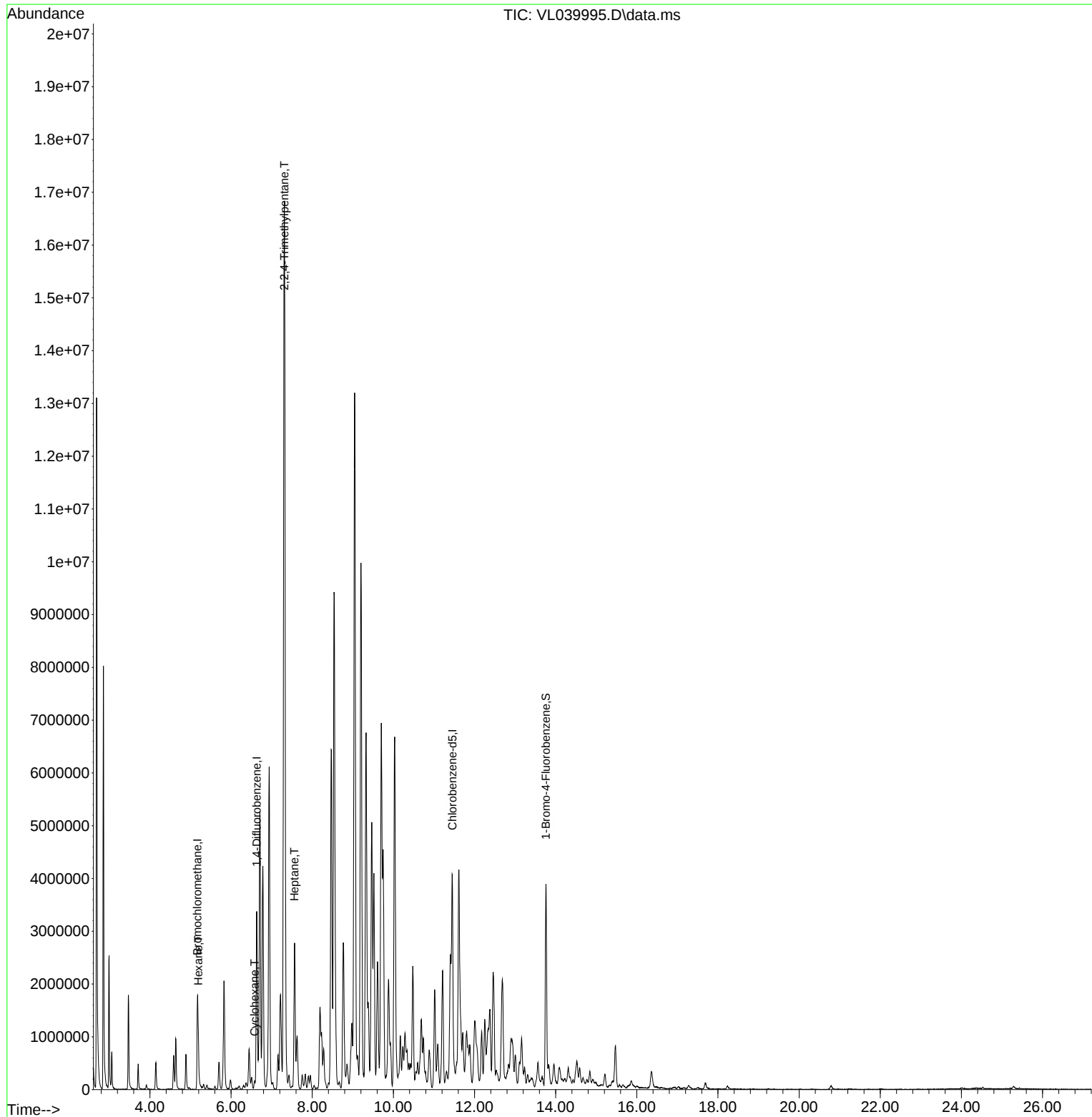
Internal Standards						
1) Bromochloromethane	5.169	49	921754	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.632	114	2683096	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.452	117	2460802	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.761	95	1932982	10.284	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.800%
Target Compounds						
					Qvalue	
10) Heptane	7.562	43	1355033	9.373	ppbv	99
26) Hexane	5.192	57	265375	2.706	ppbv #	38
30) Cyclohexane	6.581	84	58924m	0.612	ppbv	
44) 2,2,4-Trimethylpentane	7.314	57	17470606	45.887	ppbv #	84

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

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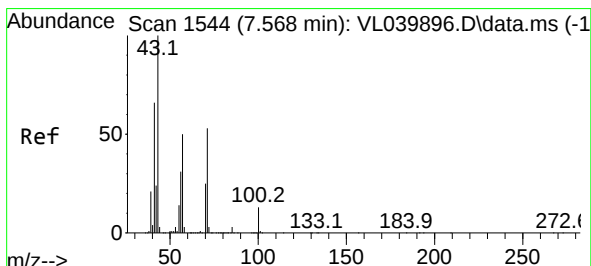
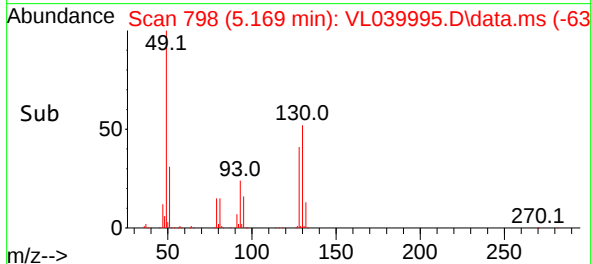
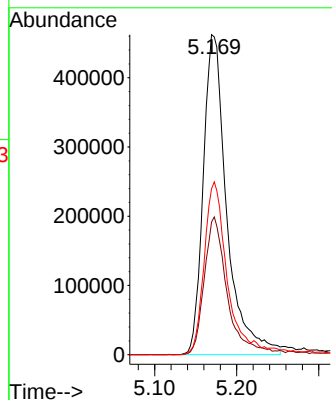
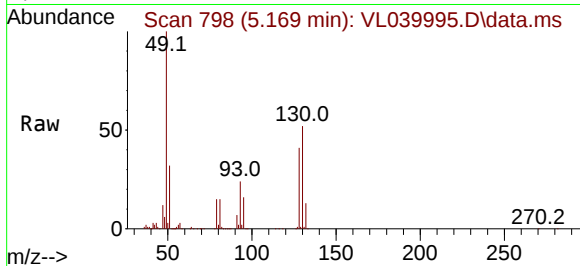




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.169 min Scan# 79
Delta R.T. 0.013 min
Lab File: VL039995.D
Acq: 13 Dec 2022 3:35

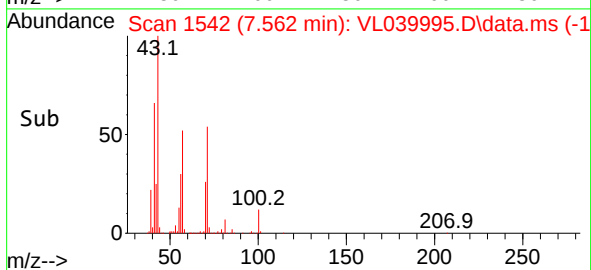
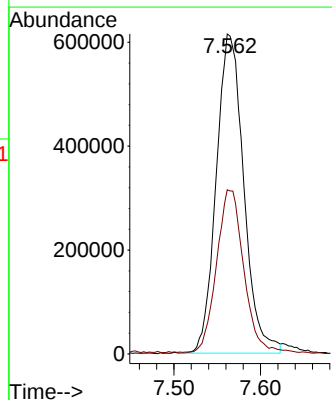
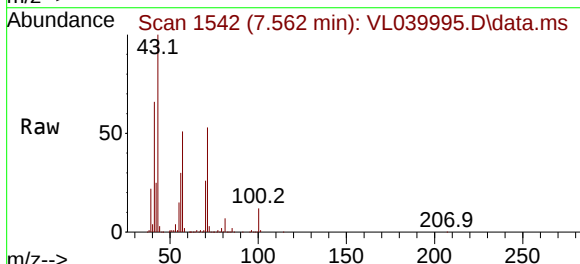
Instrument :
MSVOA_1
ClientSampleId :
SG-1DL2

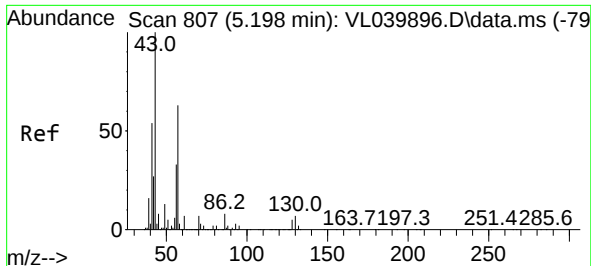
Tgt Ion: 49 Resp: 921754
Ion Ratio Lower Upper
49 100
128 43.5 22.1 66.3
130 54.2 27.7 83.1



#10
Heptane
Concen: 9.373 ppbv
RT: 7.562 min Scan# 1542
Delta R.T. 0.016 min
Lab File: VL039995.D
Acq: 13 Dec 2022 3:35

Tgt Ion: 43 Resp: 1355033
Ion Ratio Lower Upper
43 100
57 51.9 40.7 61.1

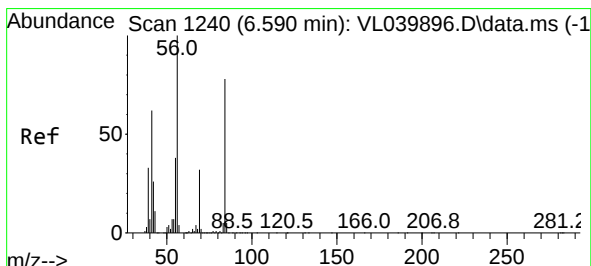
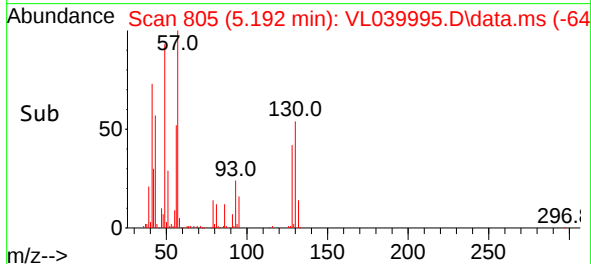
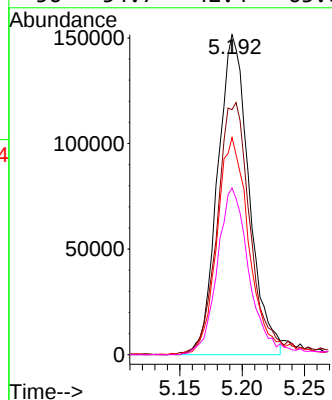
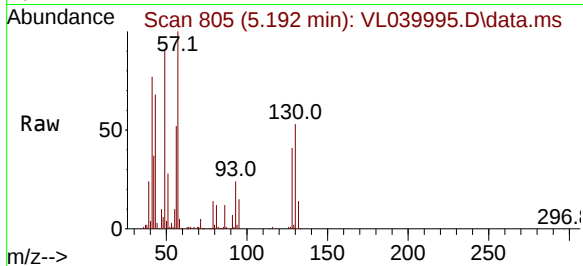




#26
Hexane
Concen: 2.706 ppbv
RT: 5.192 min Scan# 807
Delta R.T. 0.016 min
Lab File: VL039995.D
Acq: 13 Dec 2022 3:35

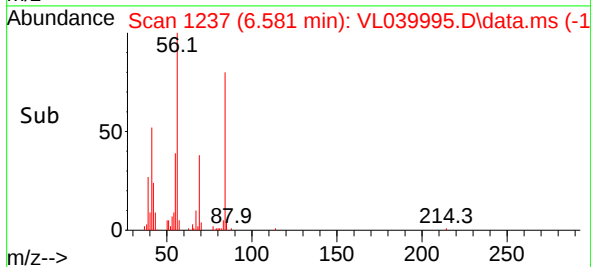
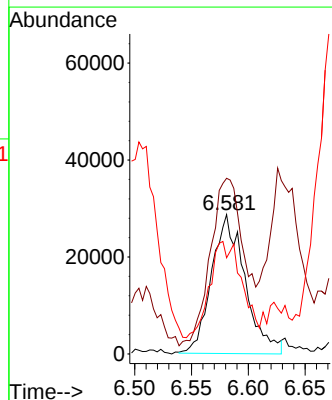
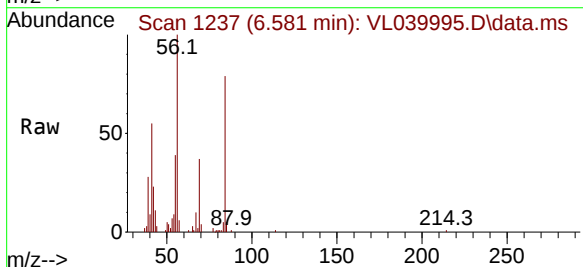
Instrument :
MSVOA_L
ClientSampleId :
SG-1DL2

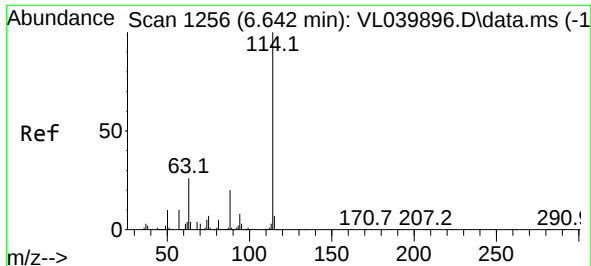
Tgt Ion: 57 Resp: 265375
Ion Ratio Lower Upper
57 100
41 85.7 72.3 108.5
43 71.8 188.7 283.1#
56 54.7 42.4 63.6



#30
Cyclohexane
Concen: 0.612 ppbv m
RT: 6.581 min Scan# 1237
Delta R.T. 0.016 min
Lab File: VL039995.D
Acq: 13 Dec 2022 3:35

Tgt Ion: 84 Resp: 58924
Ion Ratio Lower Upper
84 100
56 0.0 112.5 168.7#
41 0.0 67.8 101.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.632 min Scan# 11

Delta R.T. 0.013 min

Lab File: VL039995.D

Acq: 13 Dec 2022 3:35

Instrument :

MSVOA_L

ClientSampleId :

SG-1DL2

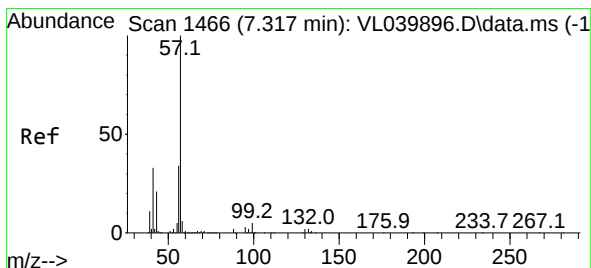
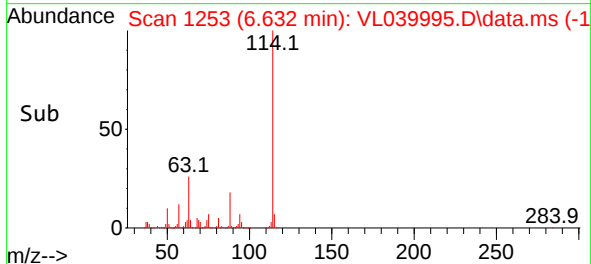
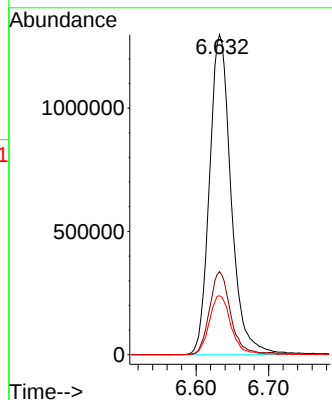
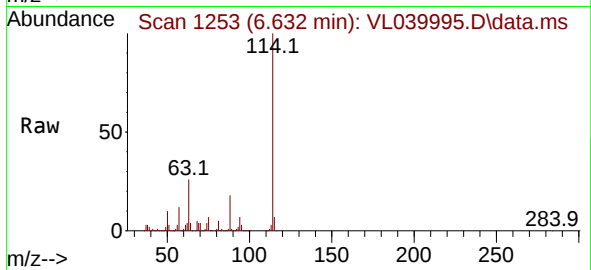
Tgt Ion:114 Resp: 2683096

Ion Ratio Lower Upper

114 100

63 25.9 21.4 32.0

88 18.8 15.3 22.9



#44

2,2,4-Trimethylpentane

Concen: 45.887 ppbv

RT: 7.314 min Scan# 1465

Delta R.T. 0.023 min

Lab File: VL039995.D

Acq: 13 Dec 2022 3:35

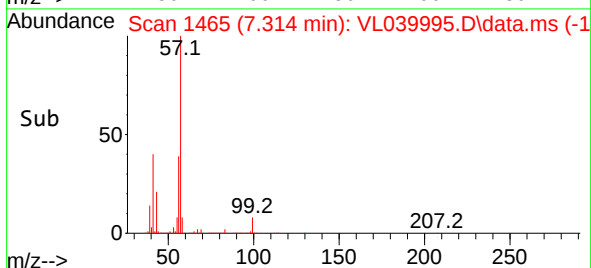
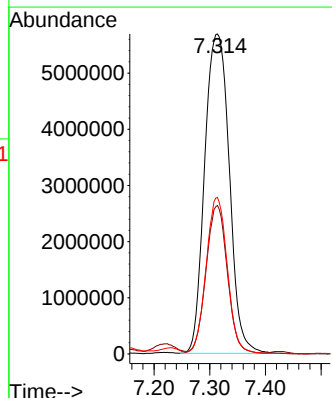
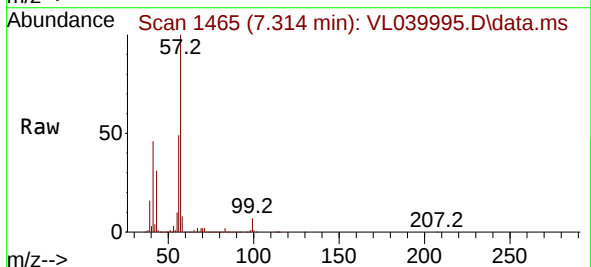
Tgt Ion: 57 Resp:17470606

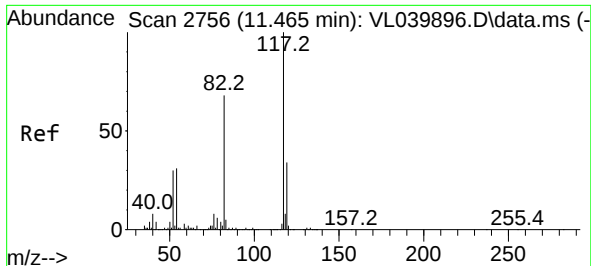
Ion Ratio Lower Upper

57 100

41 40.4 26.2 39.2#

56 42.5 25.5 38.3#

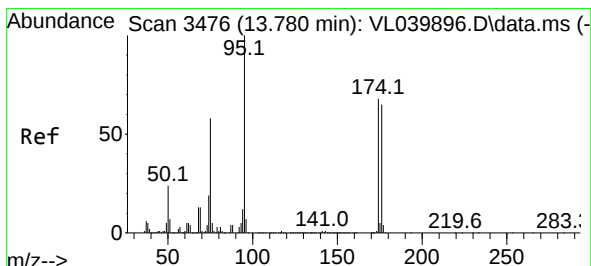
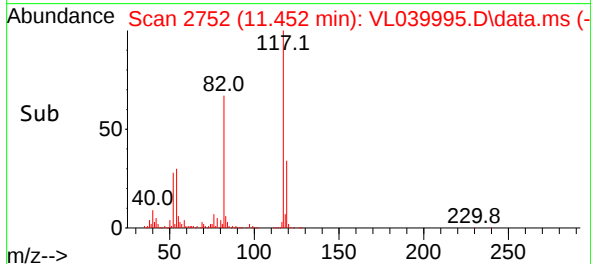
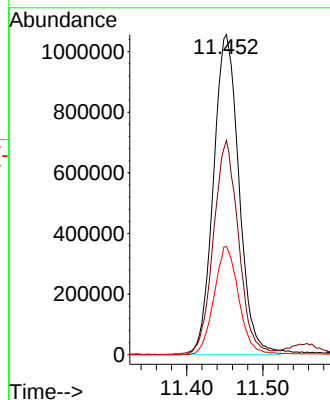
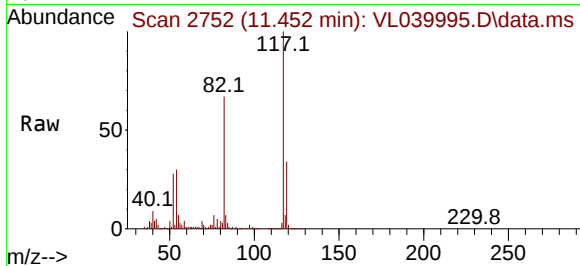




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL039995.D
Acq: 13 Dec 2022 3:35

Instrument :
MSVOA_1
ClientSampleId :
SG-1DL2

Tgt Ion:117 Resp: 2460802
Ion Ratio Lower Upper
117 100
82 65.7 52.3 78.5
119 33.0 25.7 38.5



#68
1-Bromo-4-Fluorobenzene
Concen: 10.284 ppbv
RT: 13.761 min Scan# 3470
Delta R.T. 0.019 min
Lab File: VL039995.D
Acq: 13 Dec 2022 3:35

Tgt Ion: 95 Resp: 1932982
Ion Ratio Lower Upper
95 100
174 68.0 53.7 80.5
175 4.9 4.0 6.0

