

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
 Data File : VL039997.D
 Acq On : 13 Dec 2022 4:54
 Operator : SY/MD
 Sample : N5969-03DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2DL

Quant Time: Dec 13 07:15:15 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)

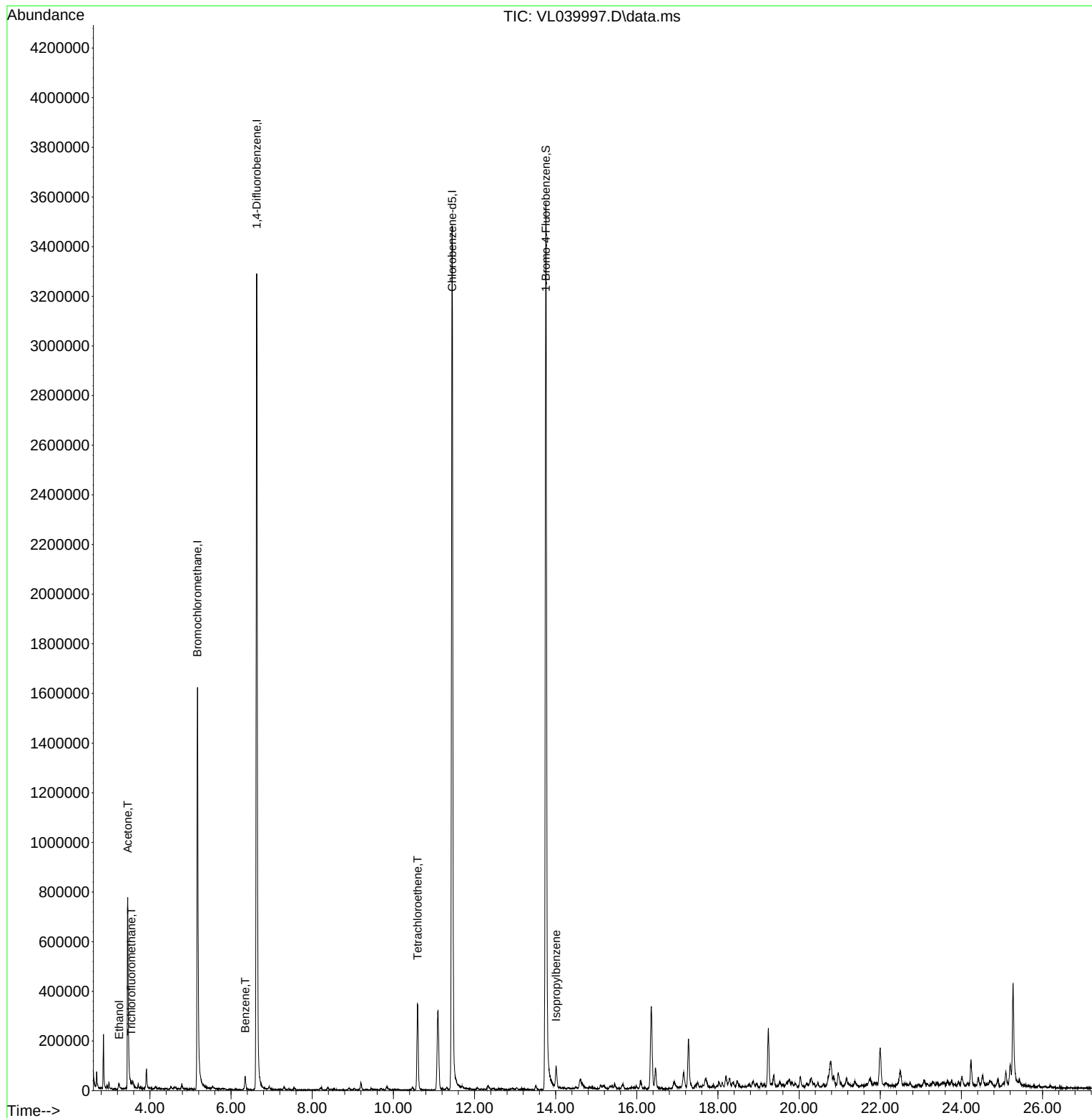
Internal Standards						
1) Bromochloromethane	5.169	49	838756	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.632	114	2620038	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.449	117	2383534	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	1872223	10.284	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.800%
Target Compounds						
						Qvalue
11) Trichlorofluoromethane	3.539	101	8988	0.061	ppbv	92
13) Ethanol	3.240	45	29125m	6.997	ppbv	
15) Acetone	3.452	43	862577	7.753	ppbv	100
36) Benzene	6.349	78	39458	0.177	ppbv #	93
52) Tetrachloroethene	10.597	164	91127	1.094	ppbv	90
62) Isopropylbenzene	14.011	105	74178	0.199	ppbv	95

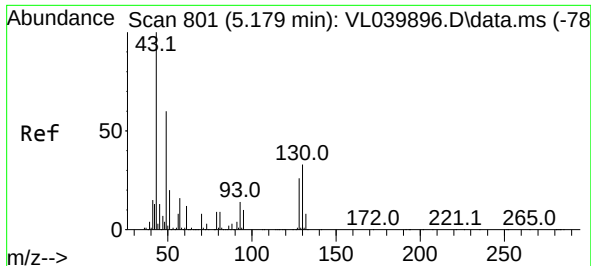
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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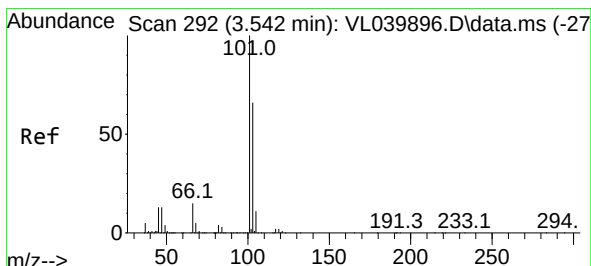
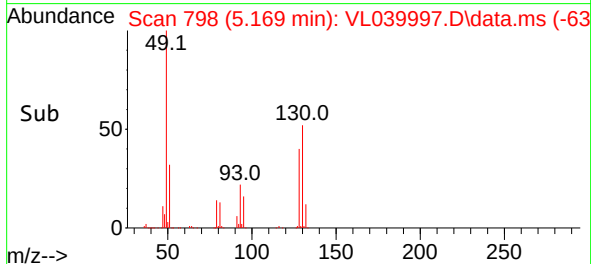
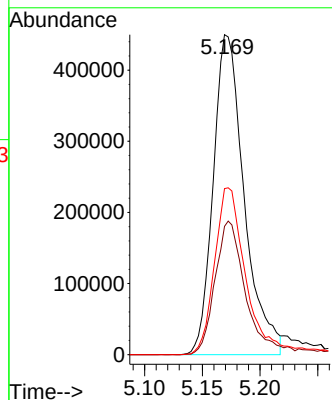
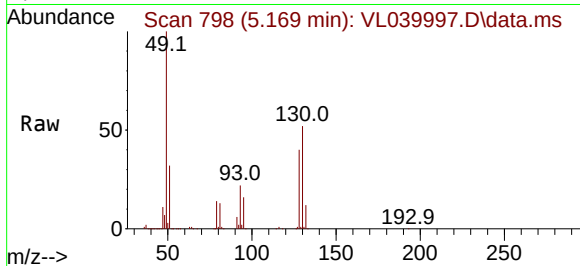




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.169 min Scan# 79
Delta R.T. 0.013 min
Lab File: VL039997.D
Acq: 13 Dec 2022 4:54

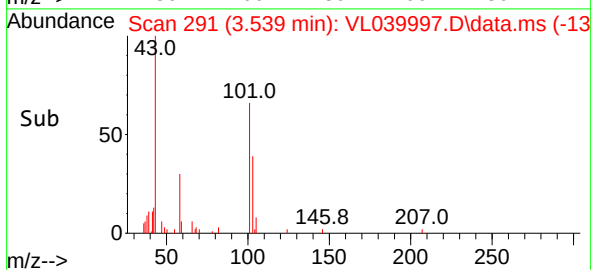
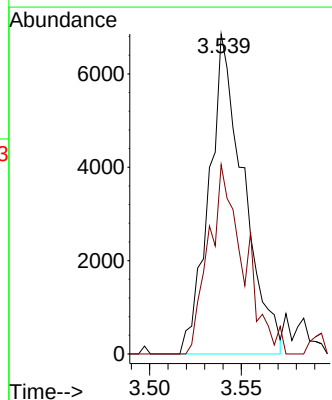
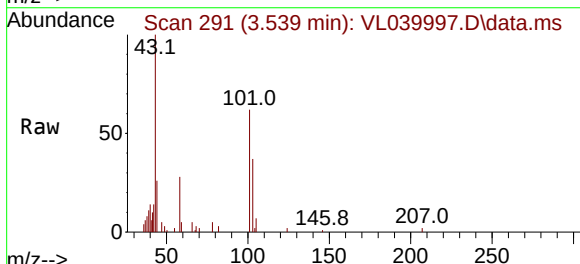
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

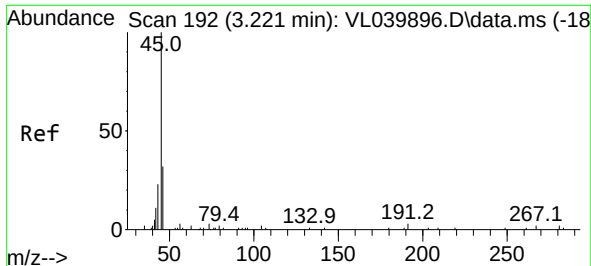
Tgt Ion: 49 Resp: 838756
Ion Ratio Lower Upper
49 100
128 44.3 22.1 66.3
130 55.6 27.7 83.1



#11
Trichlorofluoromethane
Concen: 0.061 ppbv
RT: 3.539 min Scan# 291
Delta R.T. 0.010 min
Lab File: VL039997.D
Acq: 13 Dec 2022 4:54

Tgt Ion: 101 Resp: 8988
Ion Ratio Lower Upper
101 100
103 59.1 52.6 78.8

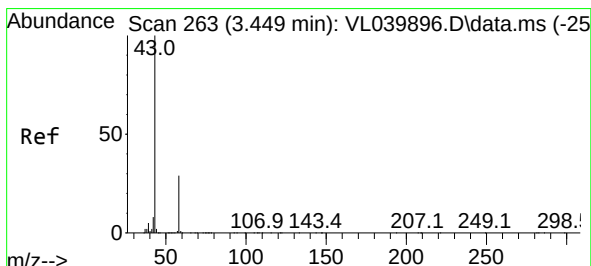
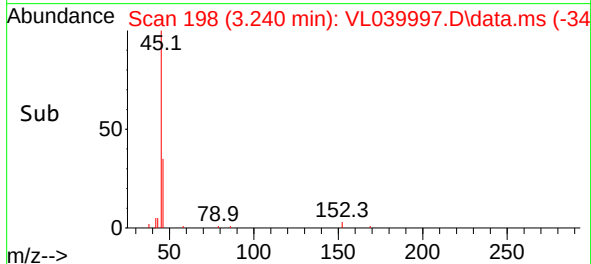
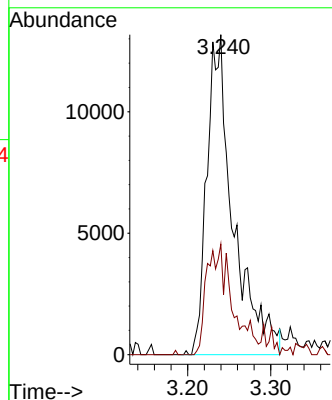
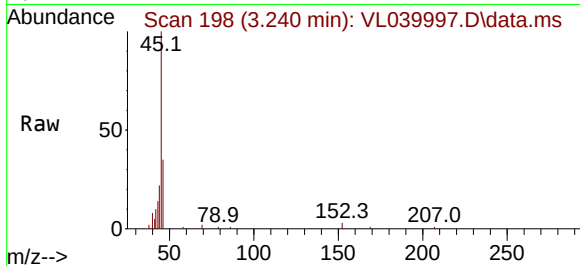




#13
Ethanol
Concen: 6.997 ppbv m
RT: 3.240 min Scan# 19
Delta R.T. 0.026 min
Lab File: VL039997.D
Acq: 13 Dec 2022 4:54

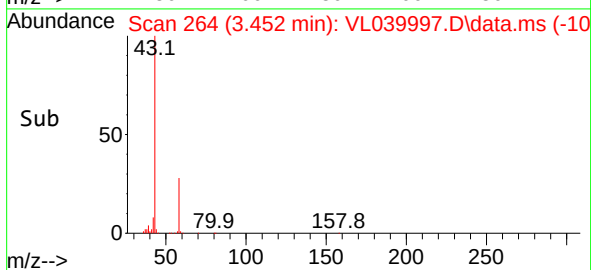
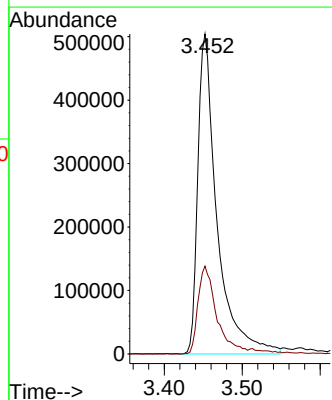
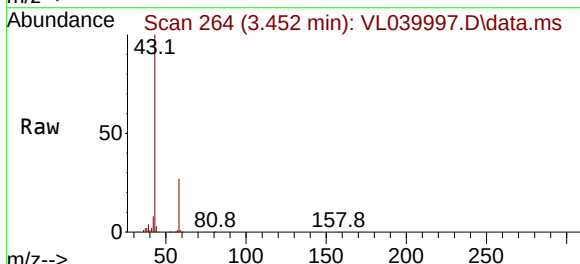
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

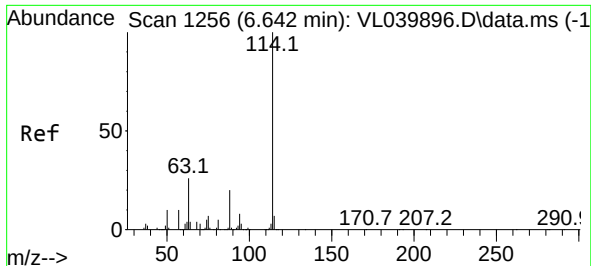
Tgt Ion: 45 Resp: 29125
Ion Ratio Lower Upper
45 100
46 0.0 14.6 58.2#



#15
Acetone
Concen: 7.753 ppbv
RT: 3.452 min Scan# 264
Delta R.T. 0.019 min
Lab File: VL039997.D
Acq: 13 Dec 2022 4:54

Tgt Ion: 43 Resp: 862577
Ion Ratio Lower Upper
43 100
58 28.6 22.9 34.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.632 min Scan# 1165

Delta R.T. 0.013 min

Lab File: VL039997.D

Acq: 13 Dec 2022 4:54

Instrument :

MSVOA_L

ClientSampleId :

SG-2DL

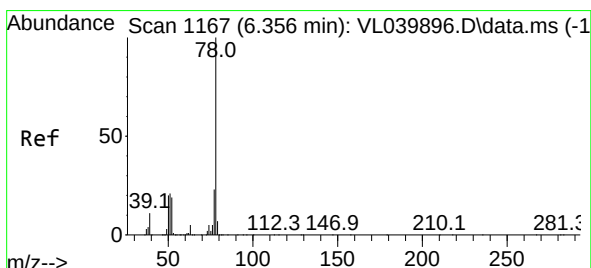
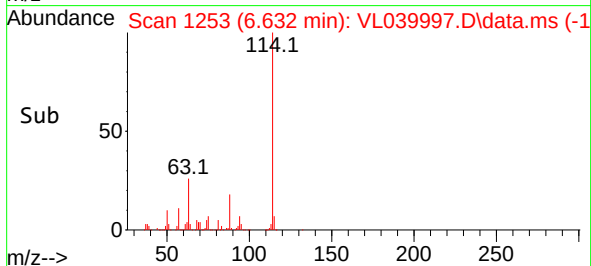
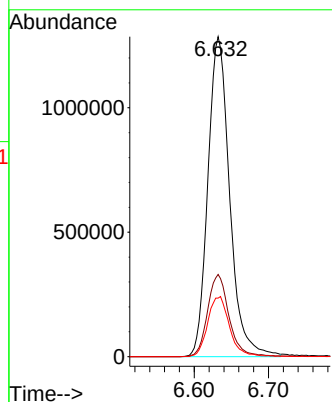
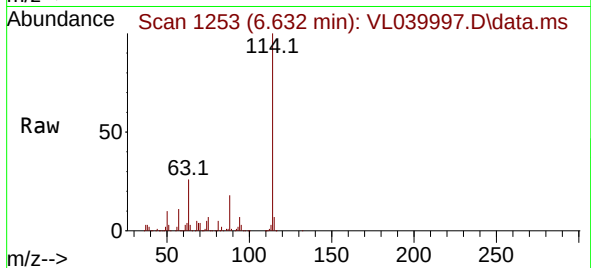
Tgt Ion:114 Resp: 2620038

Ion Ratio Lower Upper

114 100

63 25.4 21.4 32.0

88 19.0 15.3 22.9



#36

Benzene

Concen: 0.177 ppbv

RT: 6.349 min Scan# 1165

Delta R.T. 0.016 min

Lab File: VL039997.D

Acq: 13 Dec 2022 4:54

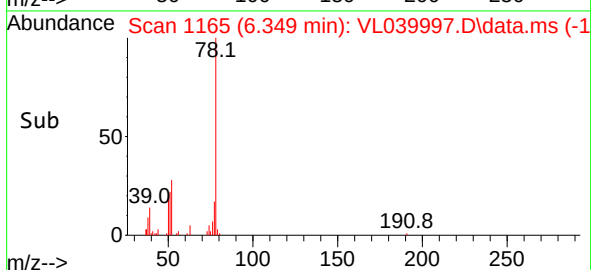
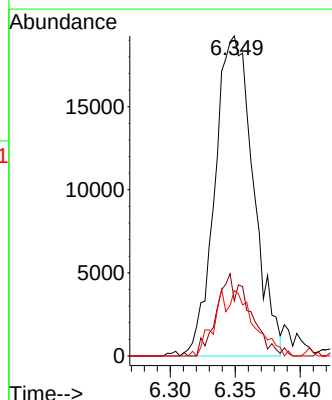
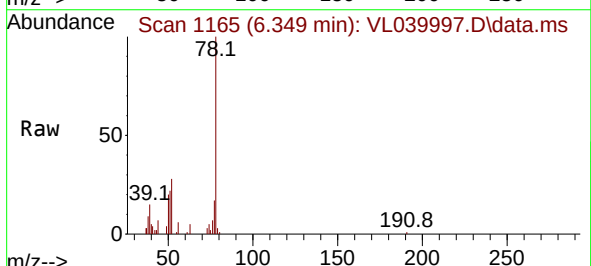
Tgt Ion: 78 Resp: 39458

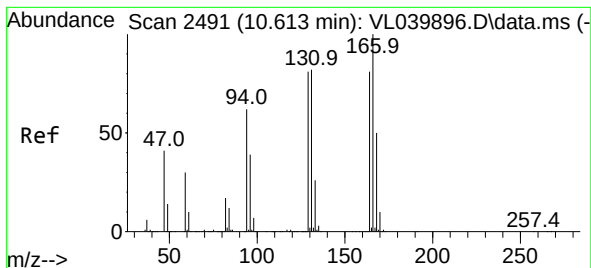
Ion Ratio Lower Upper

78 100

77 17.2 18.2 27.2#

50 20.5 15.8 23.8





#52

Tetrachloroethene

Concen: 1.094 ppbv

RT: 10.597 min Scan# 2491

Delta R.T. 0.016 min

Lab File: VL039997.D

Acq: 13 Dec 2022 4:54

Instrument :

MSVOA_L

ClientSampleId :

SG-2DL

Tgt Ion:164 Resp: 91127

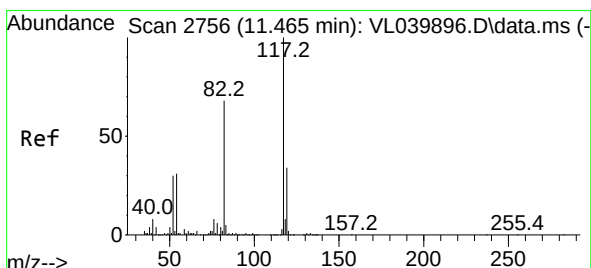
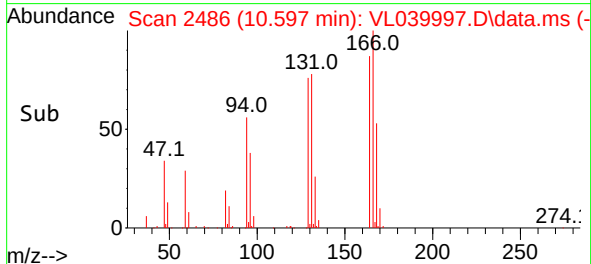
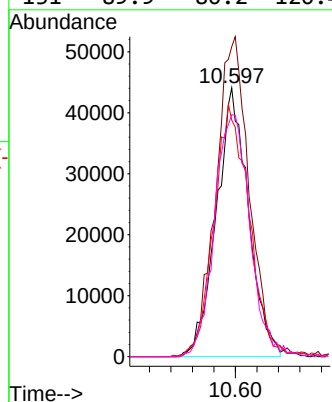
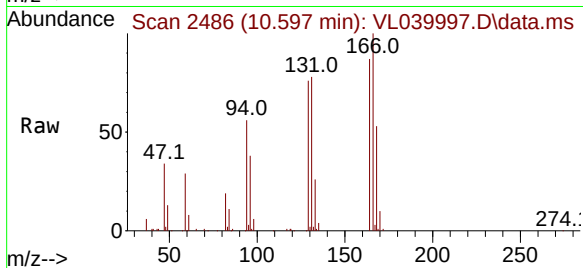
Ion Ratio Lower Upper

164 100

166 114.6 98.3 147.5

129 87.5 79.7 119.5

131 89.9 80.2 120.4



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.449 min Scan# 2751

Delta R.T. 0.016 min

Lab File: VL039997.D

Acq: 13 Dec 2022 4:54

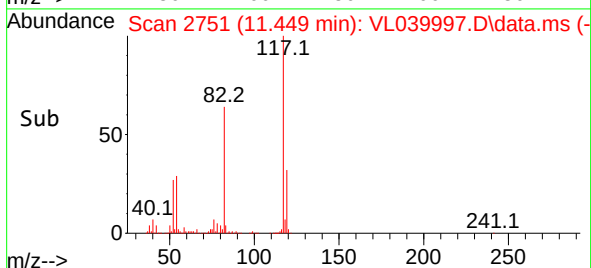
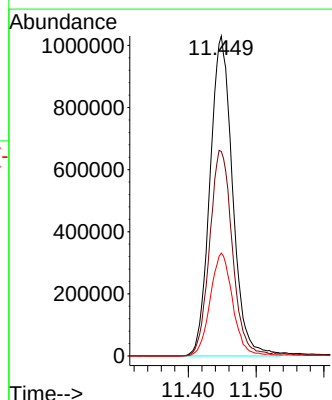
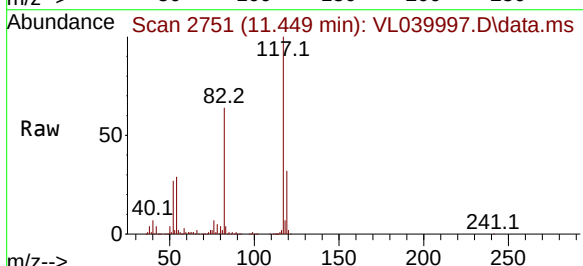
Tgt Ion:117 Resp: 2383534

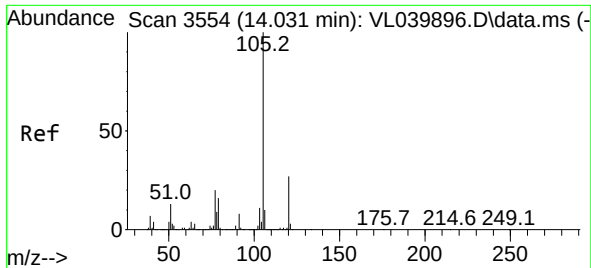
Ion Ratio Lower Upper

117 100

82 65.9 52.3 78.5

119 32.5 25.7 38.5

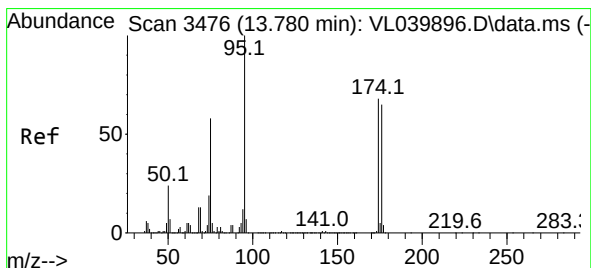
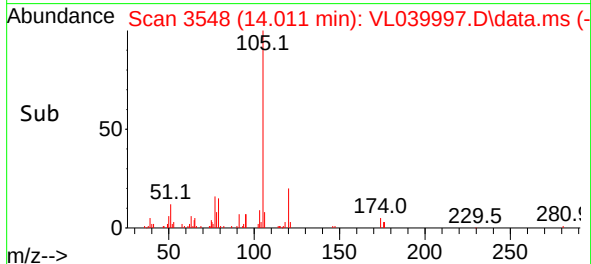
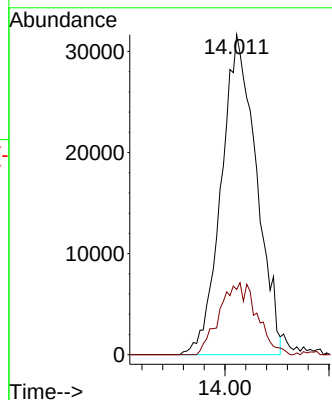
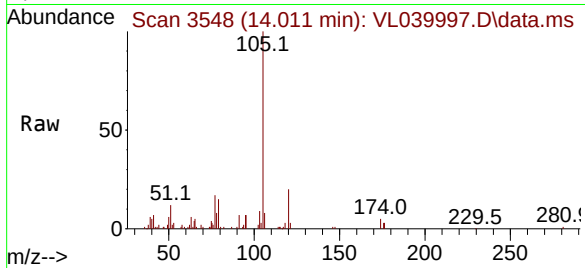




#62
Isopropylbenzene
Concen: 0.199 ppbv
RT: 14.011 min Scan# 3548
Delta R.T. 0.016 min
Lab File: VL039997.D
Acq: 13 Dec 2022 4:54

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion:105 Resp: 74178
Ion Ratio Lower Upper
105 100
120 24.0 21.4 32.2



#68
1-Bromo-4-Fluorobenzene
Concen: 10.284 ppbv
RT: 13.757 min Scan# 3469
Delta R.T. 0.016 min
Lab File: VL039997.D
Acq: 13 Dec 2022 4:54

Tgt Ion: 95 Resp: 1872223
Ion Ratio Lower Upper
95 100
174 66.8 53.7 80.5
175 4.8 4.0 6.0

