

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081822\
 Data File : VL039573.D
 Acq On : 19 Aug 2022 00:22
 Operator : SY/AP
 Sample : N3980-14 LOQ 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2022

Quant Time: Aug 19 03:07:59 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 17 12:06:24 2022
 QLast Update : Wed Aug 17 12:06:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.205	49	933688	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2459785	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2188123	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1673029	10.157	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.600%

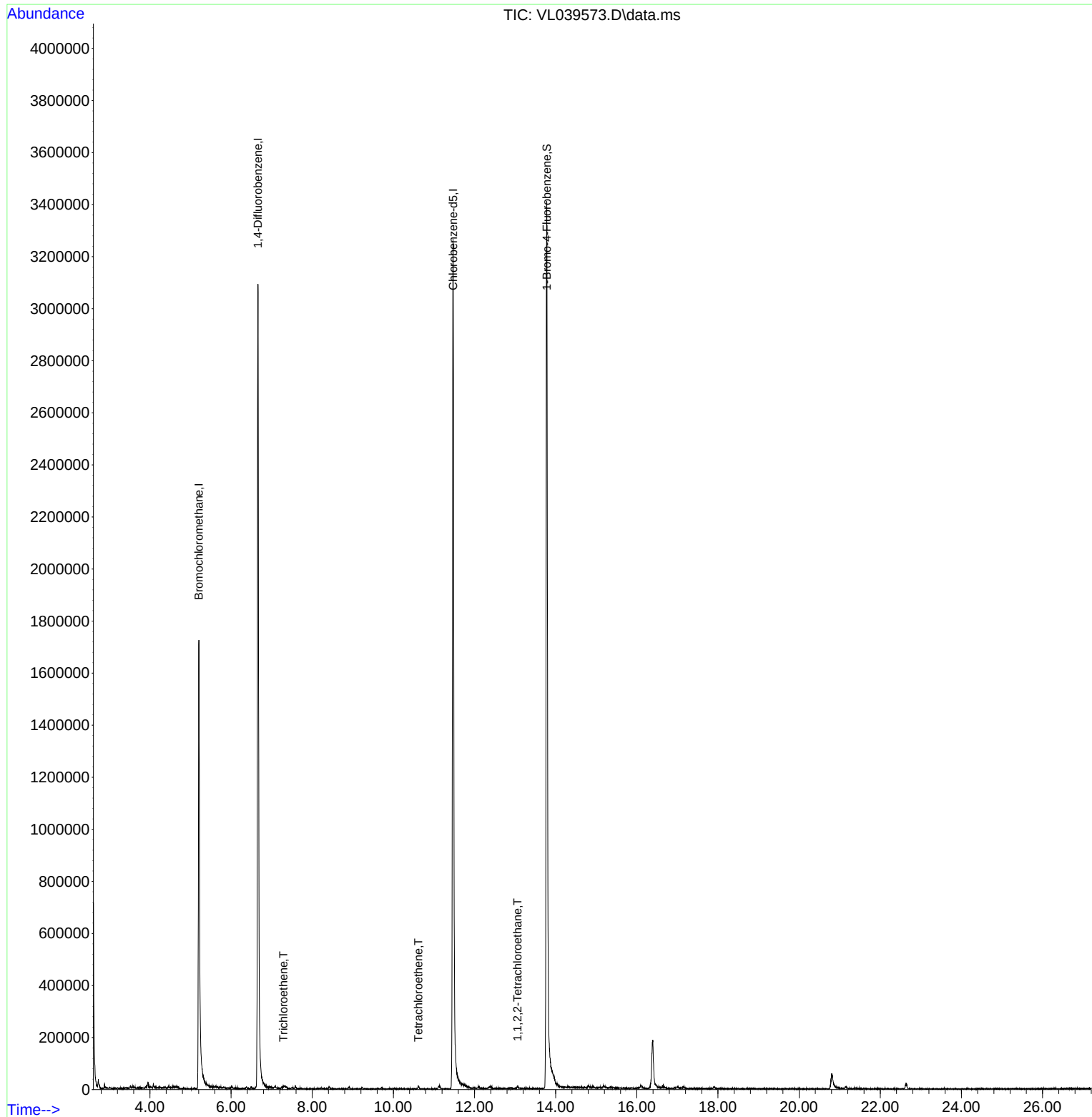
Target Compounds					Qvalue
38) Trichloroethene	7.295	130	3096m	0.030	ppbv
52) Tetrachloroethene	10.616	164	2433m	0.033	ppbv
63) 1,1,2,2-Tetrachloroethane	13.060	83	3700m	0.034	ppbv

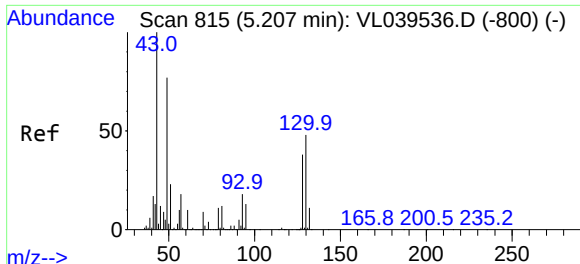
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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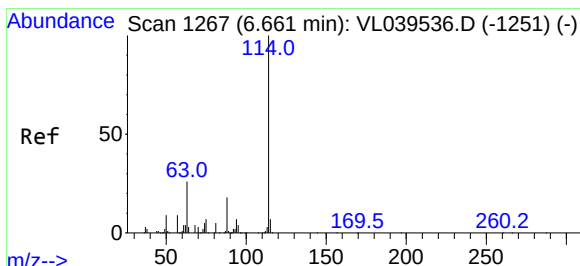
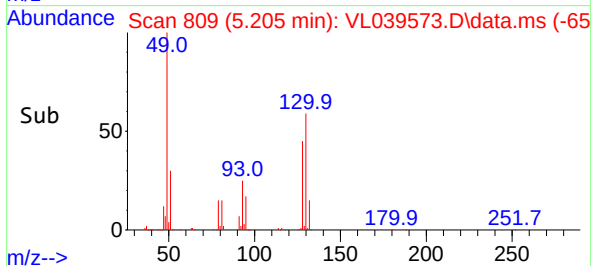
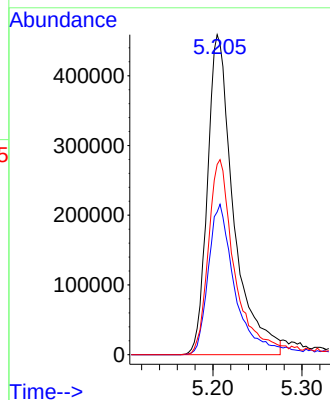
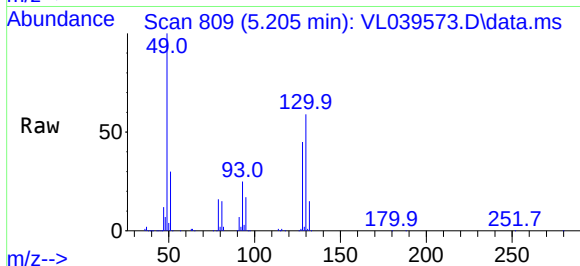




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.205 min Scan# 80
Delta R.T. -0.002 min
Lab File: VL039573.D
Acq: 19 Aug 2022 00:22

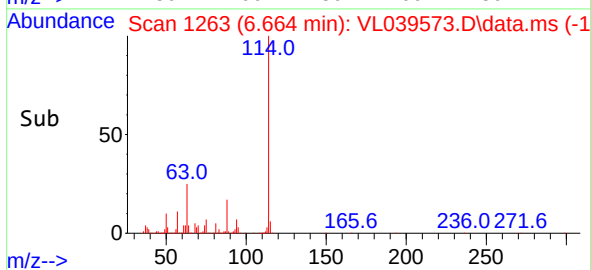
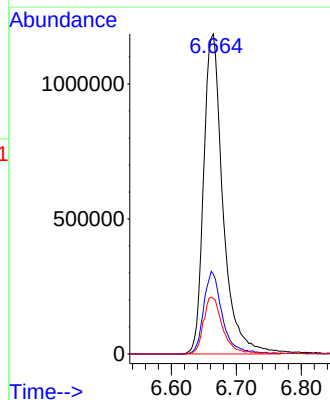
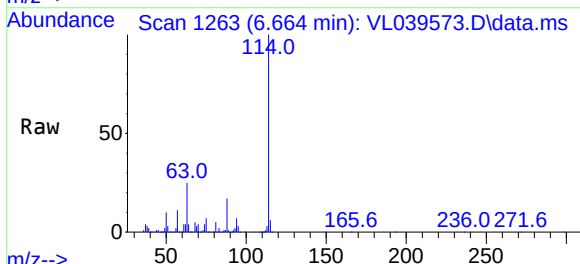
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2022

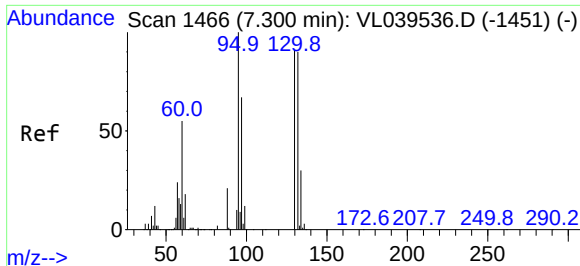
Tgt Ion: 49 Resp: 933688
Ion Ratio Lower Upper
49 100
128 51.0 25.7 77.0
130 64.0 31.6 95.0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.664 min Scan# 1263
Delta R.T. 0.004 min
Lab File: VL039573.D
Acq: 19 Aug 2022 00:22

Tgt Ion:114 Resp: 2459785
Ion Ratio Lower Upper
114 100
63 25.2 20.6 31.0
88 17.7 14.6 22.0

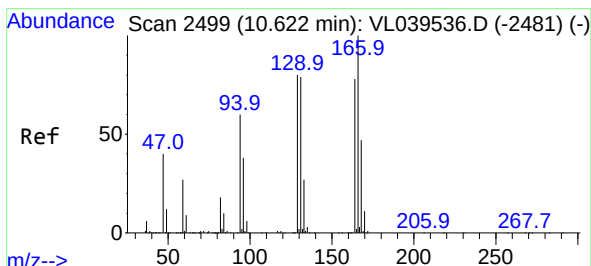
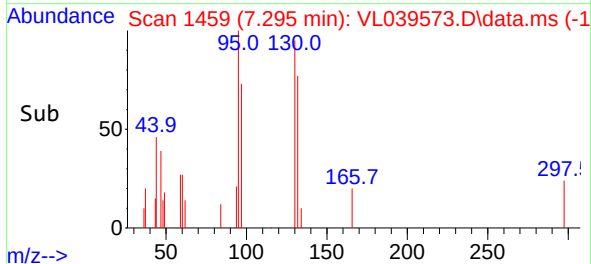
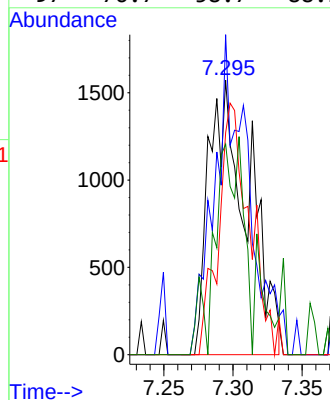
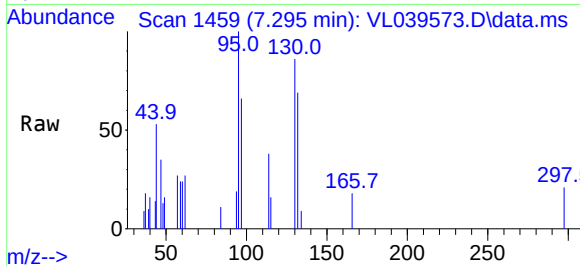




#38
 Trichloroethene
 Concen: 0.030 ppbv m
 RT: 7.295 min Scan# 1466
 Delta R.T. -0.006 min
 Lab File: VL039573.D
 Acq: 19 Aug 2022 00:22

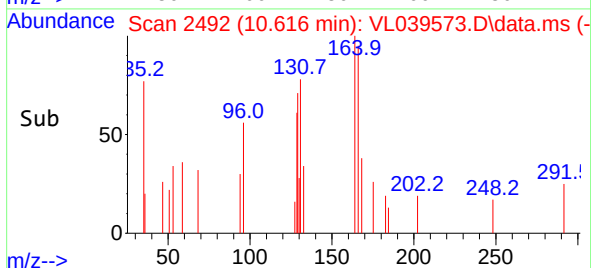
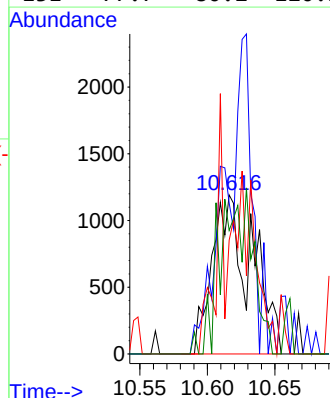
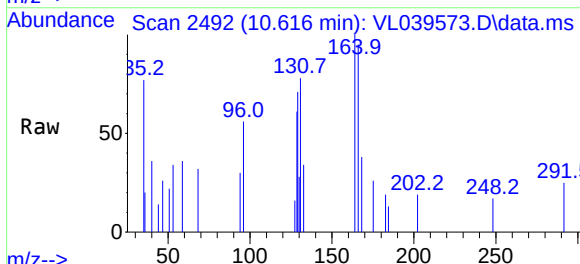
Instrument :
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 ClientSampleId :
 LOQ-AIR-02-QT3-2022

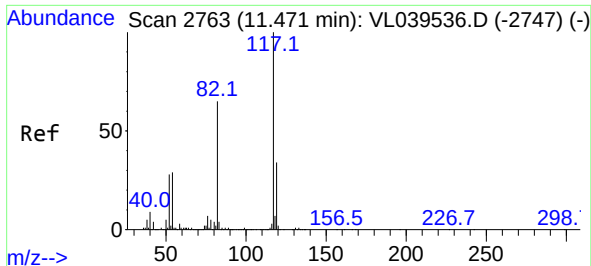
Tgt Ion:130	Resp:	3096	
Ion	Ratio	Lower	Upper
130	100		
95	116.5	88.0	132.0
132	80.8	79.1	118.7
97	76.7	58.7	88.1



#52
 Tetrachloroethene
 Concen: 0.033 ppbv m
 RT: 10.616 min Scan# 2492
 Delta R.T. -0.006 min
 Lab File: VL039573.D
 Acq: 19 Aug 2022 00:22

Tgt	Ion:164	Resp:	2433
Ion	Ratio	Lower	Upper
164	100		
166	95.0	102.0	153.0#
129	71.5	81.7	122.5#
131	77.7	80.2	120.2#



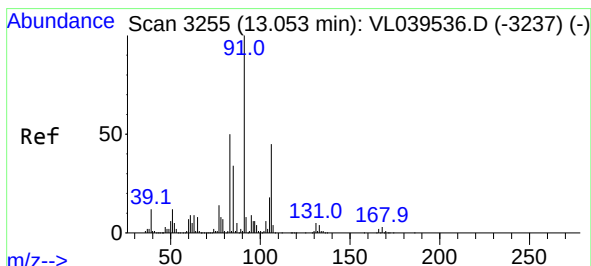
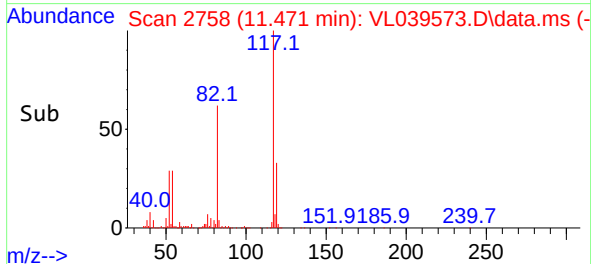
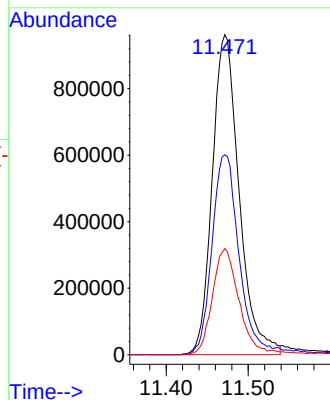
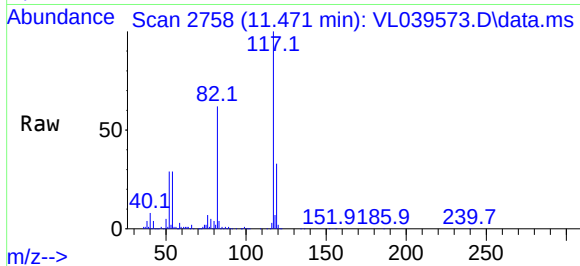


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 21
Delta R.T. 0.001 min
Lab File: VL039573.D
Acq: 19 Aug 2022 00:22

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2022

Tgt Ion:117 Resp: 2188123

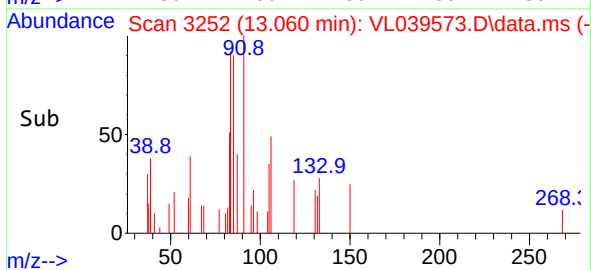
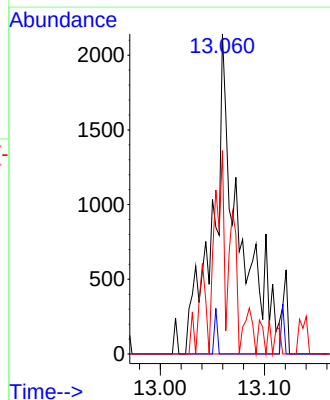
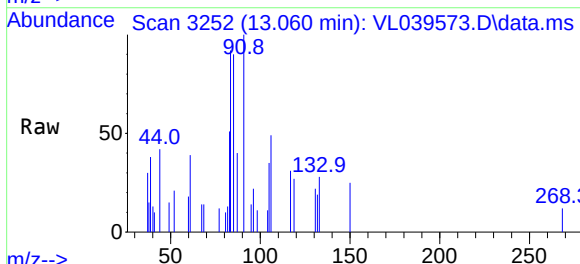
Ion	Ratio	Lower	Upper
117	100		
82	65.1	49.1	73.7
119	34.0	25.9	38.9

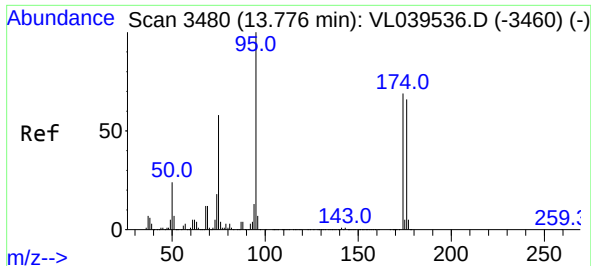


#63
1,1,2,2-Tetrachloroethane
Concen: 0.034 ppbv m
RT: 13.060 min Scan# 3252
Delta R.T. 0.007 min
Lab File: VL039573.D
Acq: 19 Aug 2022 00:22

Tgt Ion: 83 Resp: 3700

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.9	14.7#
85	0.0	33.2	99.6#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.157 ppbv

RT: 13.780 min Scan# 34

Delta R.T. 0.004 min

Lab File: VL039573.D

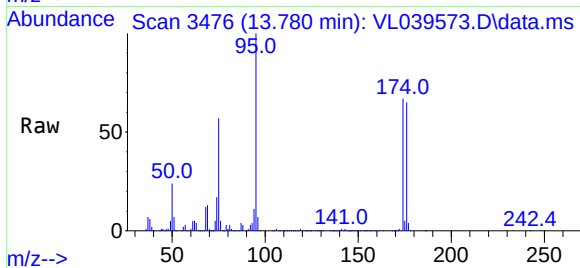
Acq: 19 Aug 2022 00:22

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2022



Tgt Ion: 95 Resp: 1673029

Ion Ratio Lower Upper

95 100

174 71.8 56.3 84.5

175 5.4 4.3 6.5

