

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101022\
 Data File : VL039715.D
 Acq On : 11 Oct 2022 11:23
 Operator : SY/AP
 Sample : N4955-15 MDL 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2022DL

Quant Time: Oct 12 04:39:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Sep 19 14:26:28 2022
 Response via : Initial Calibration

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

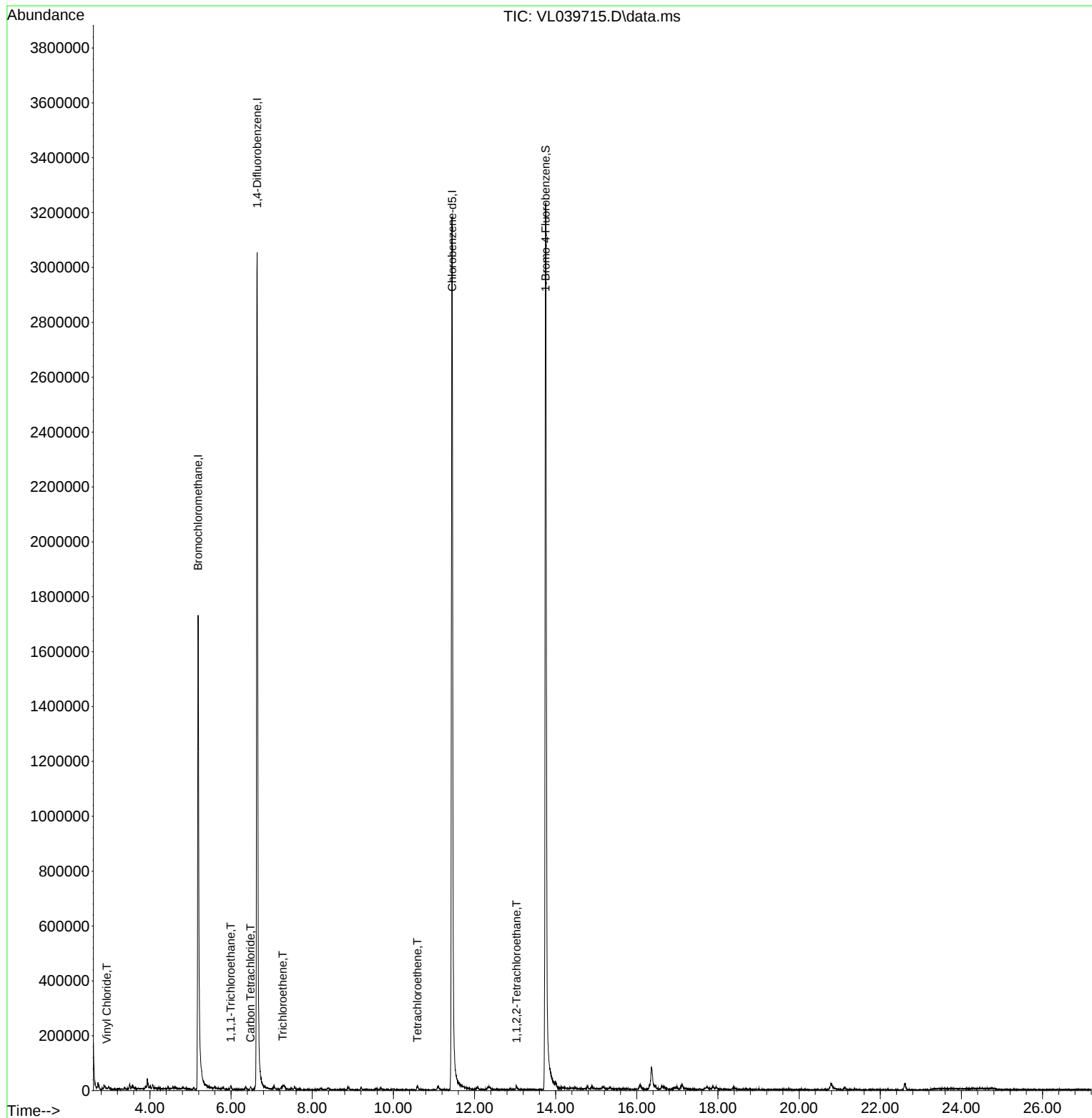
Internal Standards						
1) Bromochloromethane	5.188	49	932738	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.642	114	2437545	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.445	117	2133068	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.754	95	1578959	9.916	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.200%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	2.934	62	2264m	0.041	ppbv	
32) 1,1,1-Trichloroethane	5.989	97	5109m	0.041	ppbv	
35) Carbon Tetrachloride	6.478	117	5322m	0.041	ppbv	
38) Trichloroethene	7.272	130	4212m	0.042	ppbv	
52) Tetrachloroethene	10.593	164	2848m	0.040	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.034	83	2947m	0.035	ppbv	

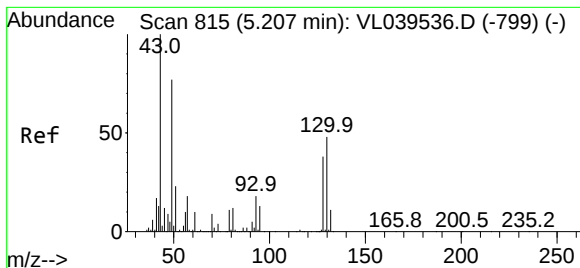
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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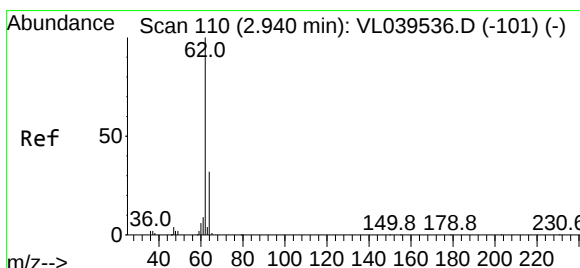
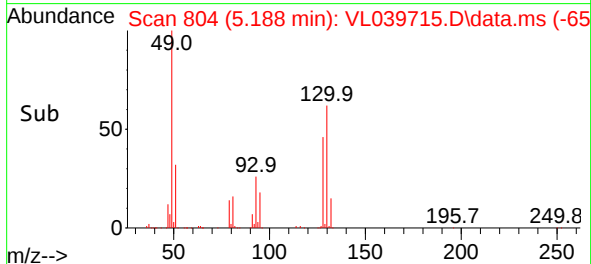
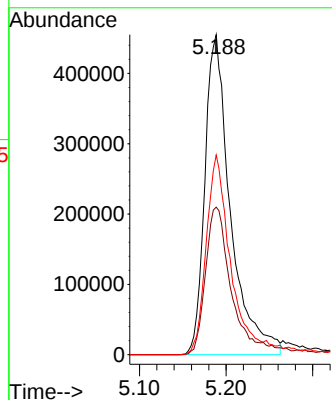
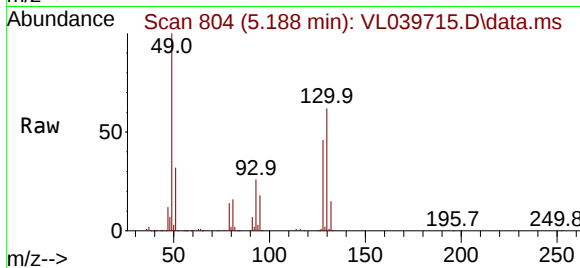




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.188 min Scan# 80
 Delta R.T. -0.019 min
 Lab File: VL039715.D
 Acq: 11 Oct 2022 11:23

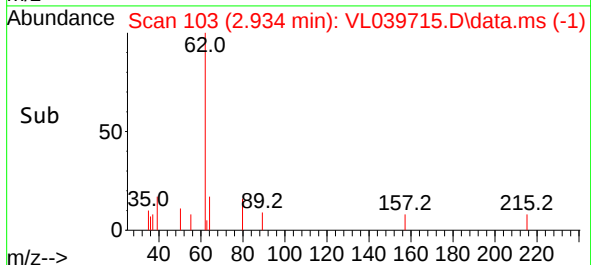
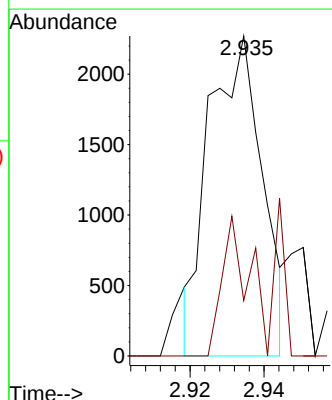
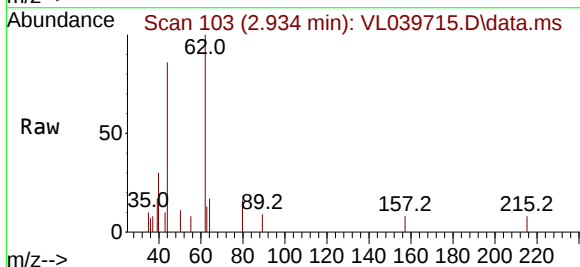
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2022DL

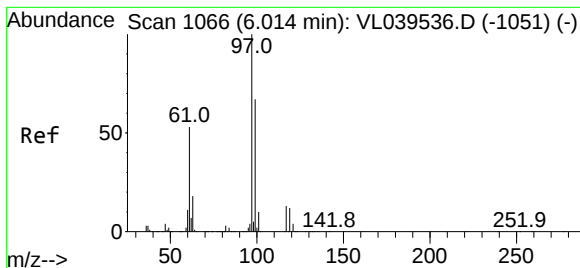
Tgt Ion: 49 Resp: 932738
 Ion Ratio Lower Upper
 49 100
 128 49.8 26.7 80.0
 130 63.1 34.3 102.8



#5
 Vinyl Chloride
 Concen: 0.041 ppbv m
 RT: 2.934 min Scan# 103
 Delta R.T. -0.006 min
 Lab File: VL039715.D
 Acq: 11 Oct 2022 11:23

Tgt Ion: 62 Resp: 2264
 Ion Ratio Lower Upper
 62 100
 64 17.3 24.6 36.8#





#32

1,1,1-Trichloroethane

Concen: 0.041 ppbv m

RT: 5.989 min Scan# 1053

Delta R.T. -0.025 min

Lab File: VL039715.D

Acq: 11 Oct 2022 11:23

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2022DL

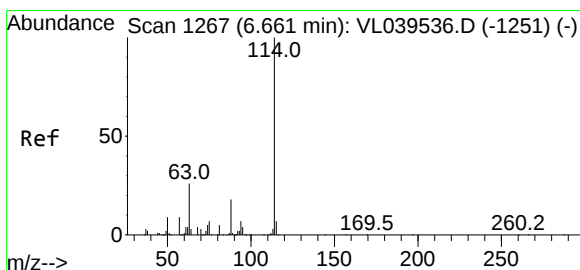
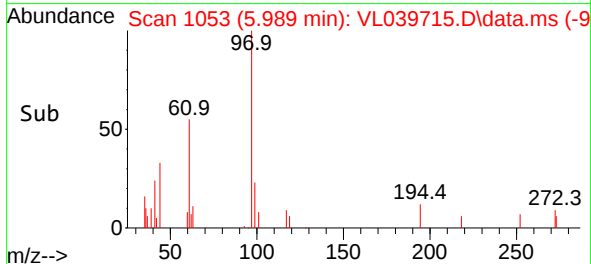
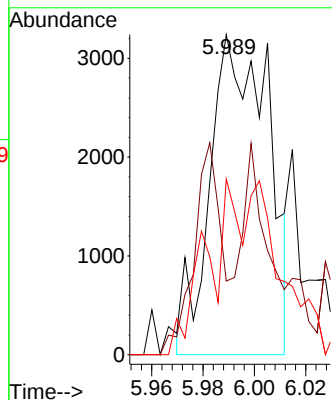
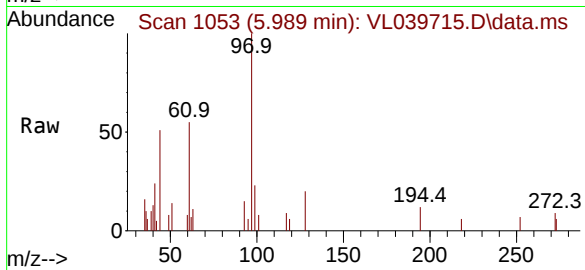
Tgt Ion: 97 Resp: 5109

Ion Ratio Lower Upper

97 100

99 0.0 52.3 78.5#

61 0.0 40.9 61.3#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 1256

Delta R.T. -0.019 min

Lab File: VL039715.D

Acq: 11 Oct 2022 11:23

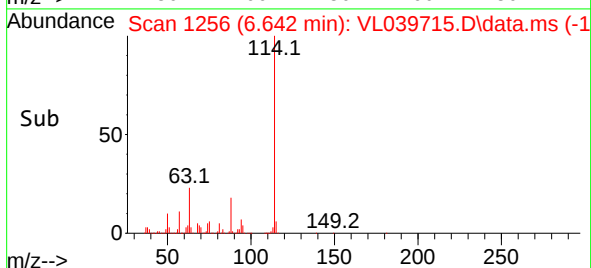
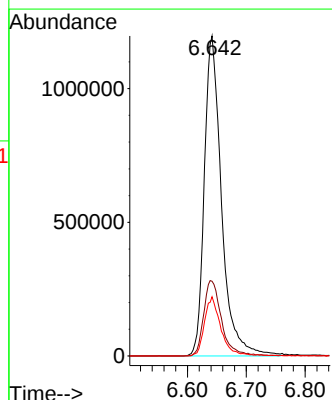
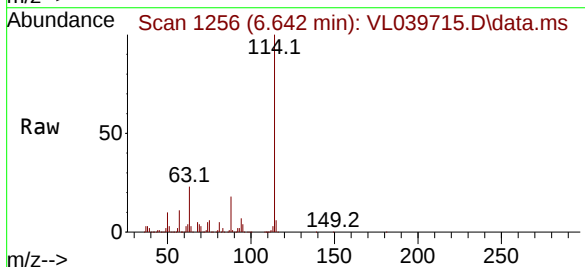
Tgt Ion: 114 Resp: 2437545

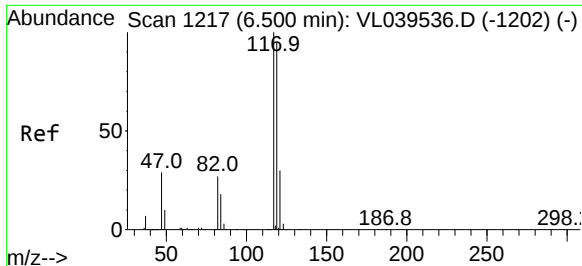
Ion Ratio Lower Upper

114 100

63 24.7 20.2 30.4

88 17.7 14.5 21.7

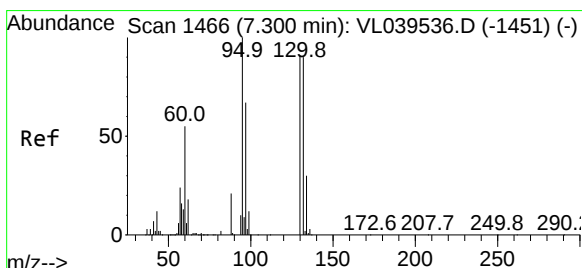
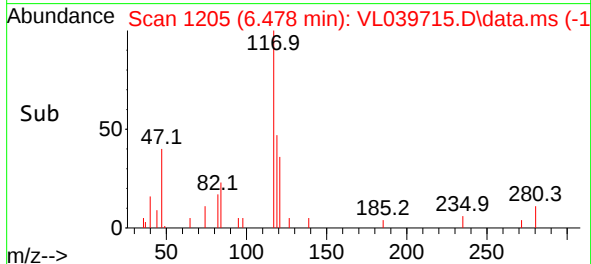
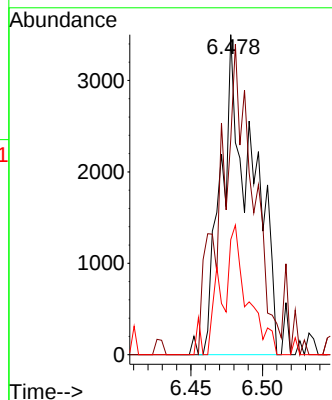
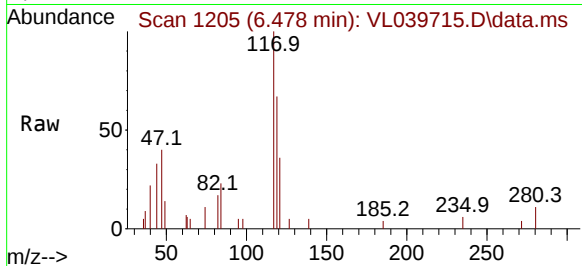




#35
Carbon Tetrachloride
Concen: 0.041 ppbv m
RT: 6.478 min Scan# 117
Delta R.T. -0.022 min
Lab File: VL039715.D
Acq: 11 Oct 2022 11:23

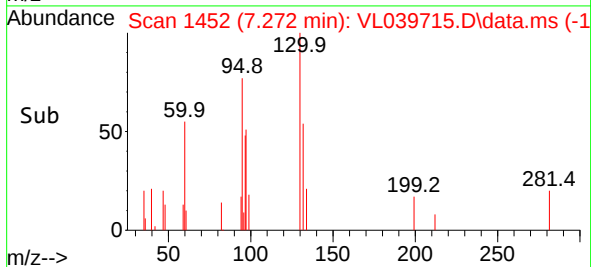
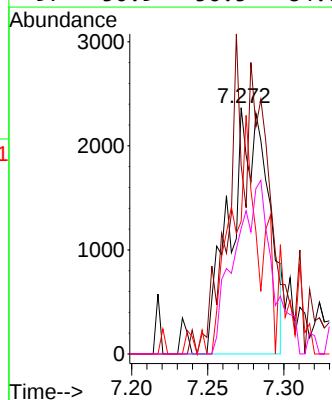
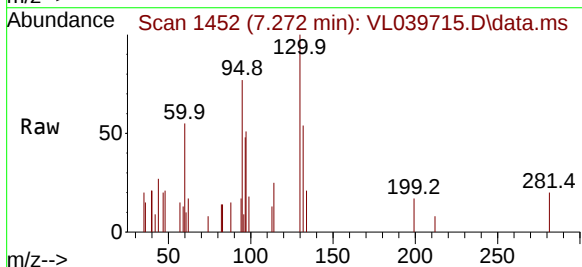
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT4-2022DL

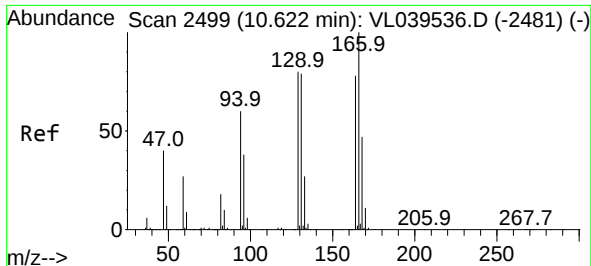
Tgt Ion:117 Resp: 5322
Ion Ratio Lower Upper
117 100
119 67.3 75.4 113.2#
121 35.9 24.2 36.2



#38
Trichloroethene
Concen: 0.042 ppbv m
RT: 7.272 min Scan# 1452
Delta R.T. -0.028 min
Lab File: VL039715.D
Acq: 11 Oct 2022 11:23

Tgt Ion:130 Resp: 4212
Ion Ratio Lower Upper
130 100
95 76.5 87.3 130.9#
132 53.9 76.7 115.1#
97 50.9 56.5 84.7#

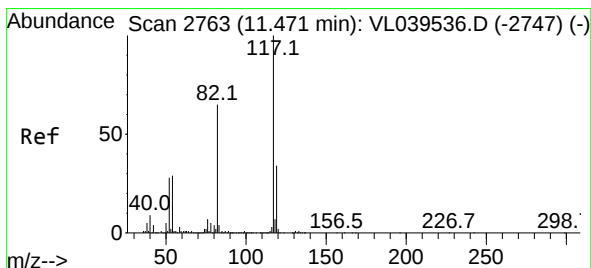
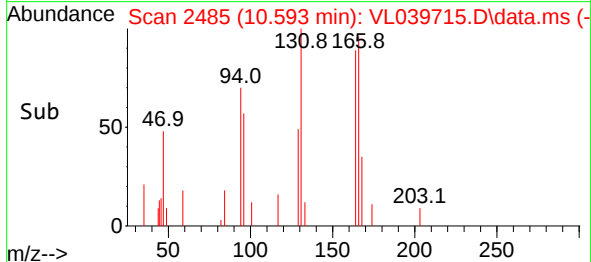
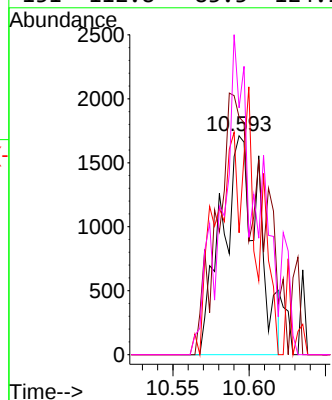
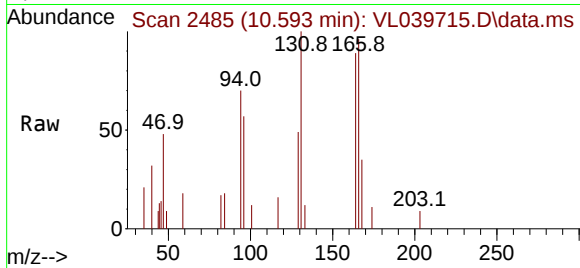




#52
Tetrachloroethene
Concen: 0.040 ppbv m
RT: 10.593 min Scan# 2499
Delta R.T. -0.028 min
Lab File: VL039715.D
Acq: 11 Oct 2022 11:23

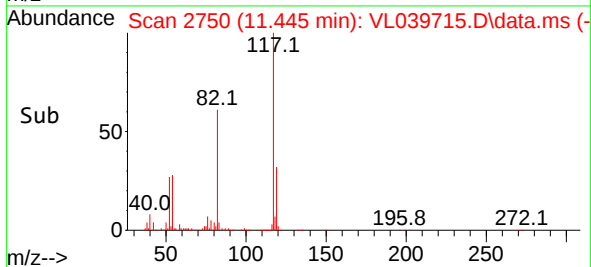
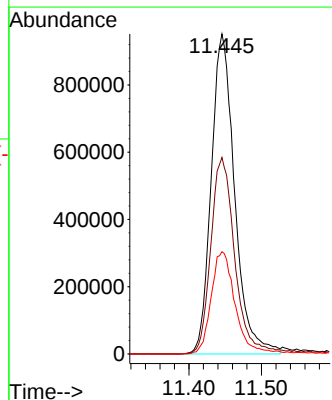
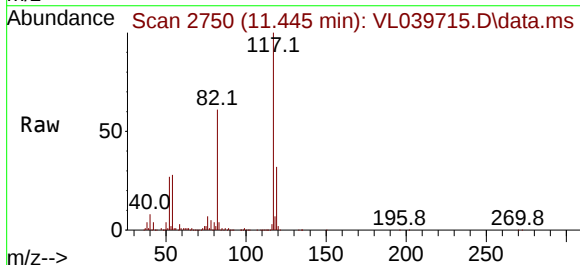
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2022DL

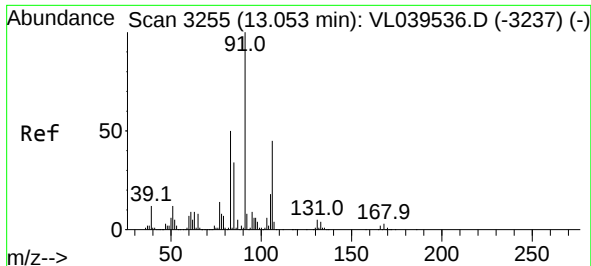
Tgt Ion:164 Resp: 2848
Ion Ratio Lower Upper
164 100
166 108.5 102.2 153.2
129 55.7 85.8 128.8#
131 112.8 83.3 124.9



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.445 min Scan# 2750
Delta R.T. -0.025 min
Lab File: VL039715.D
Acq: 11 Oct 2022 11:23

Tgt Ion:117 Resp: 2133068
Ion Ratio Lower Upper
117 100
82 64.1 50.8 76.2
119 33.4 24.1 36.1

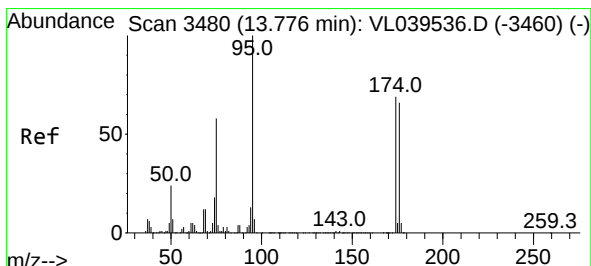
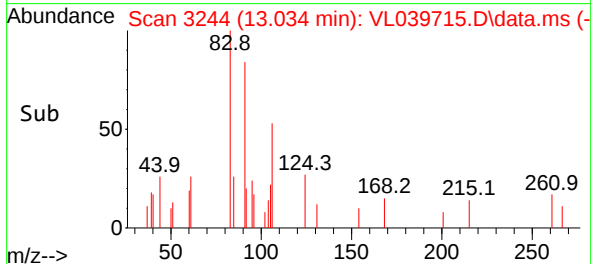
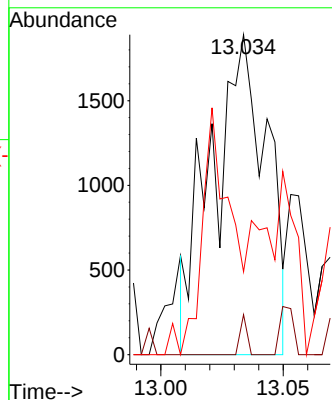
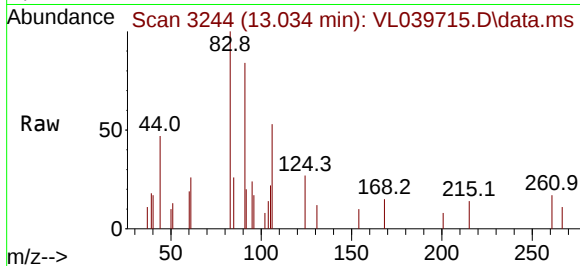




#63
1,1,2,2-Tetrachloroethane
Concen: 0.035 ppbv m
RT: 13.034 min Scan# 31
Delta R.T. -0.019 min
Lab File: VL039715.D
Acq: 11 Oct 2022 11:23

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2022DL

Tgt Ion: 83 Resp: 2947
Ion Ratio Lower Upper
83 100
131 0.0 5.3 15.8#
85 86.8 33.1 99.5



#68
1-Bromo-4-Fluorobenzene
Concen: 9.916 ppbv
RT: 13.754 min Scan# 3468
Delta R.T. -0.022 min
Lab File: VL039715.D
Acq: 11 Oct 2022 11:23

Tgt Ion: 95 Resp: 1578959
Ion Ratio Lower Upper
95 100
174 72.6 55.9 83.9
175 5.4 4.2 6.4

