

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100422\
 Data File : VL039690.D
 Acq On : 4 Oct 2022 21:00
 Operator : SY/AP
 Sample : N4955-14LOQ 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2022

Quant Time: Oct 05 04:42:40 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)

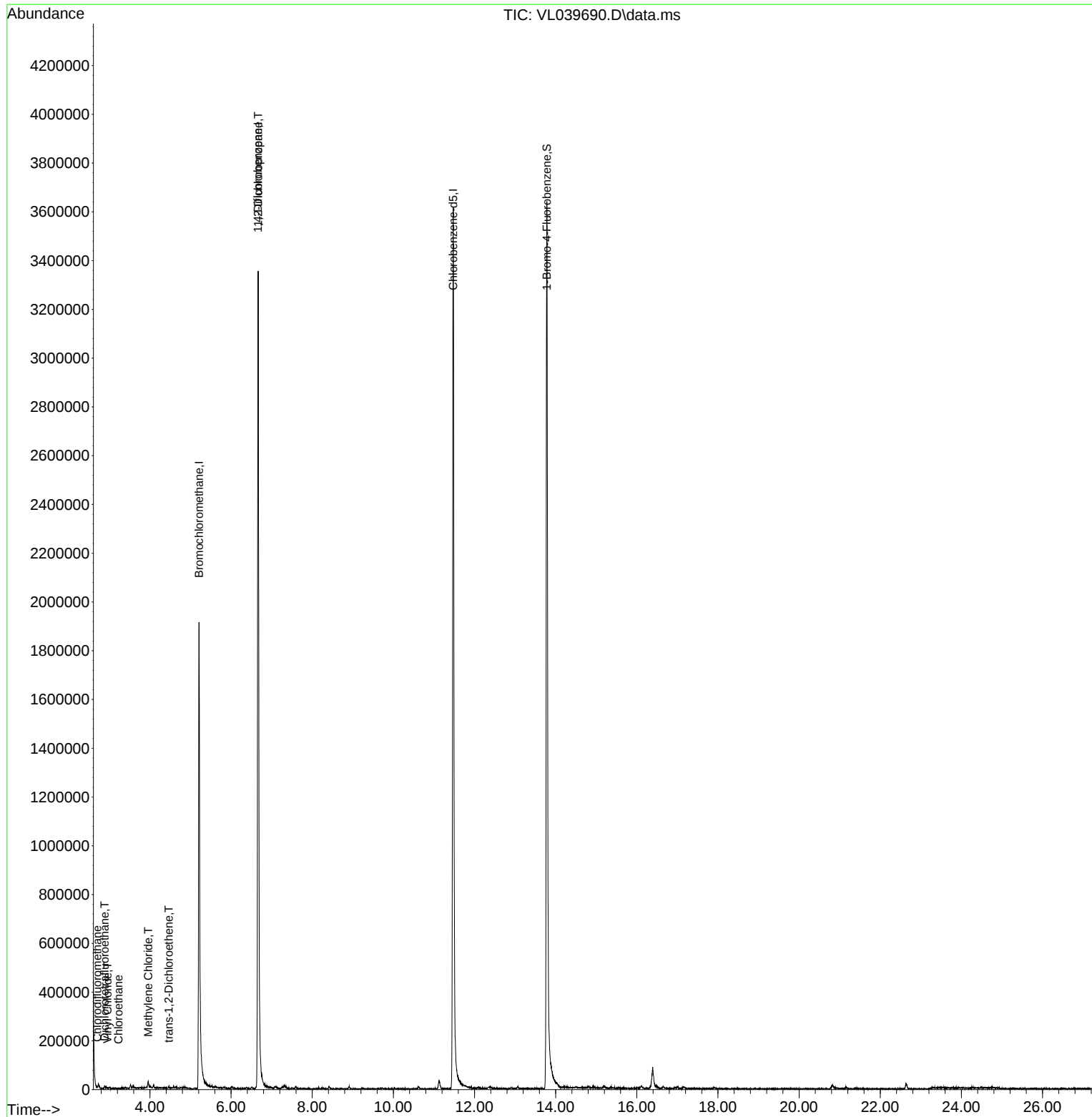
Internal Standards						
1) Bromochloromethane	5.211	49	1017787	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2669661	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2445907	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1788264	9.794	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.900%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.700	51	4355	0.036	ppbv #	85
5) Vinyl Chloride	2.954	62	1875	0.031	ppbv #	69
7) Chloroethane	3.227	64	738	0.033	ppbv #	44
8) Dichlorotetrafluoroethane	2.883	85	4386	0.031	ppbv	91
20) Methylene Chloride	3.957	84	7893	0.151	ppbv #	62
22) trans-1,2-Dichloroethene	4.465	96	1533	0.032	ppbv #	19
39) 1,2-Dichloropropane	6.668	63	646252	8.200	ppbv #	25

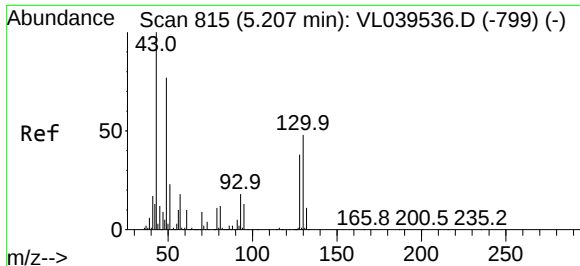
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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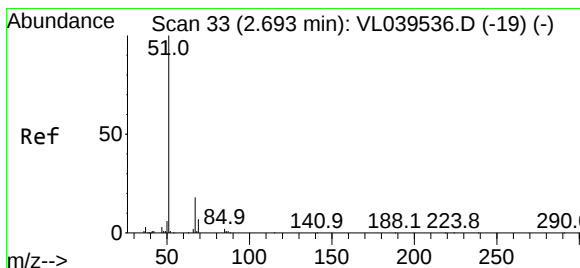
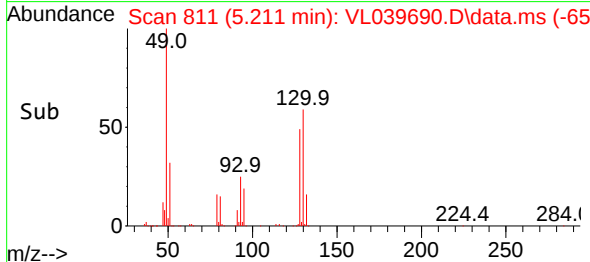
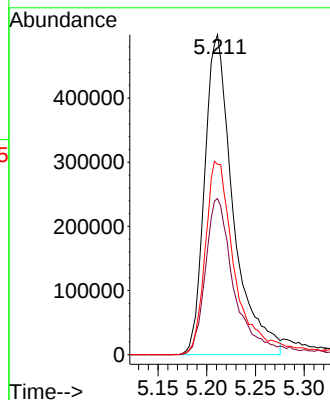
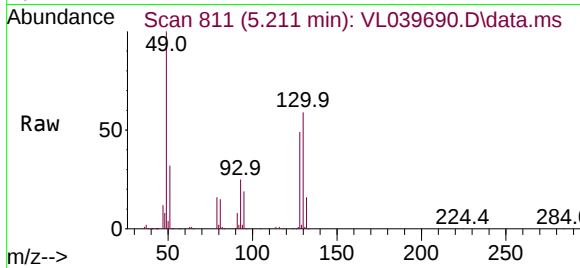




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.211 min Scan# 81
 Delta R.T. 0.004 min
 Lab File: VL039690.D
 Acq: 4 Oct 2022 21:00

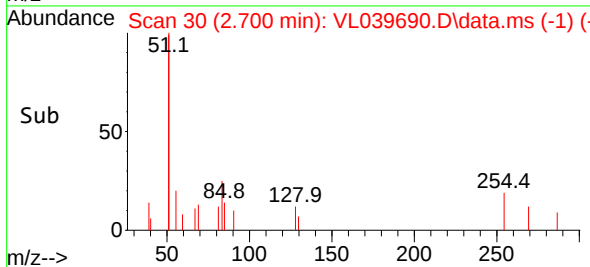
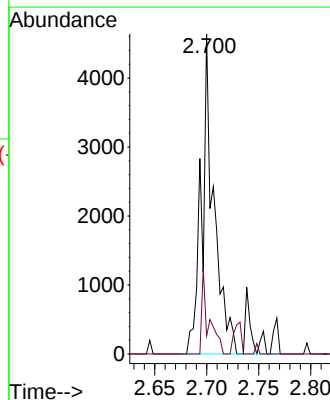
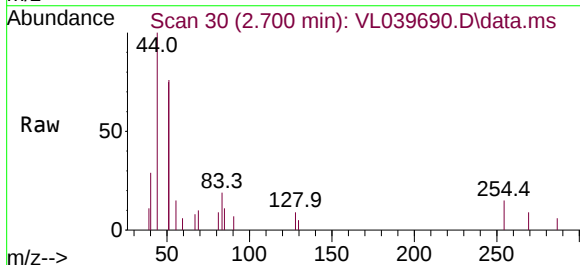
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2022

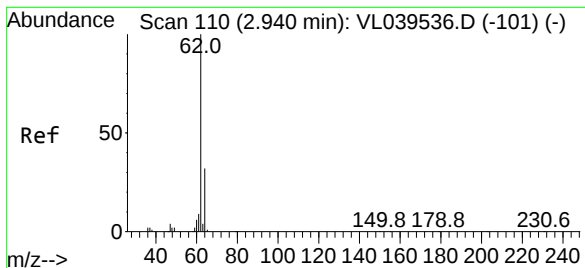
Tgt Ion: 49 Resp: 1017787
 Ion Ratio Lower Upper
 49 100
 128 51.5 26.7 80.0
 130 64.9 34.3 102.8



#3
 Chlorodifluoromethane
 Concen: 0.036 ppbv
 RT: 2.700 min Scan# 30
 Delta R.T. 0.007 min
 Lab File: VL039690.D
 Acq: 4 Oct 2022 21:00

Tgt Ion: 51 Resp: 4355
 Ion Ratio Lower Upper
 51 100
 67 12.8 15.7 23.5#

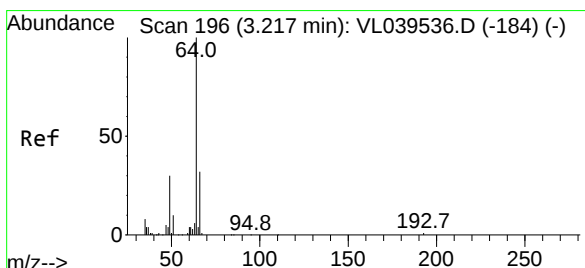
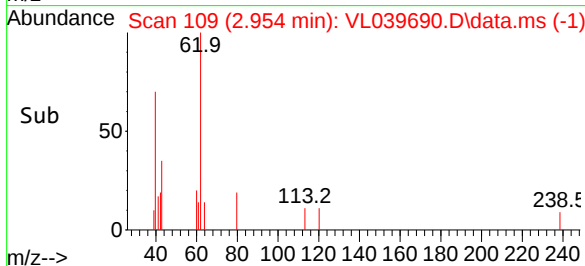
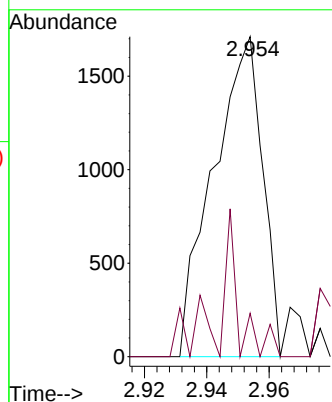
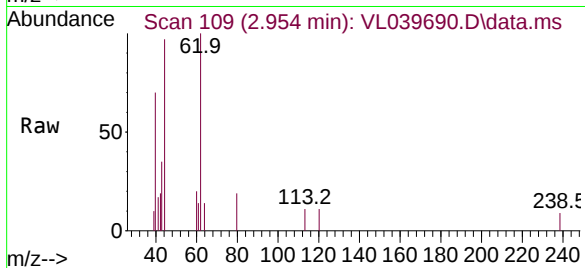




#5
 Vinyl Chloride
 Concen: 0.031 ppbv
 RT: 2.954 min Scan# 109
 Delta R.T. 0.013 min
 Lab File: VL039690.D
 Acq: 4 Oct 2022 21:00

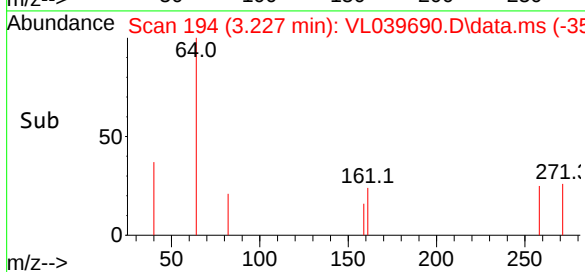
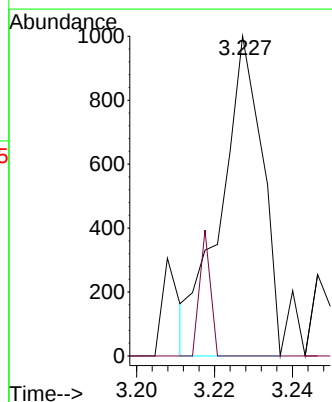
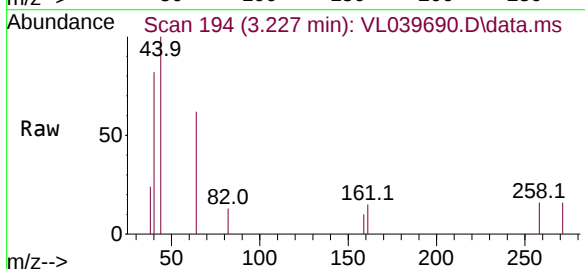
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2022

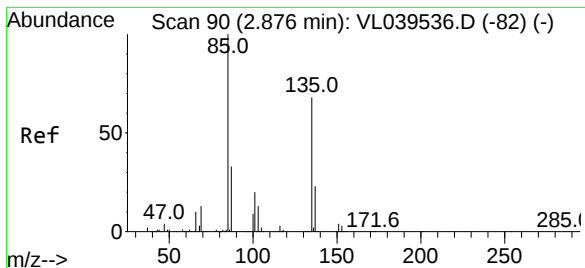
Tgt Ion: 62 Resp: 1875
 Ion Ratio Lower Upper
 62 100
 64 13.6 24.6 36.8#



#7
 Chloroethane
 Concen: 0.033 ppbv
 RT: 3.227 min Scan# 194
 Delta R.T. 0.010 min
 Lab File: VL039690.D
 Acq: 4 Oct 2022 21:00

Tgt Ion: 64 Resp: 738
 Ion Ratio Lower Upper
 64 100
 66 0.0 24.7 37.1#

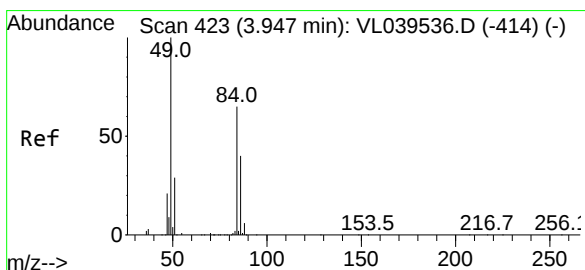
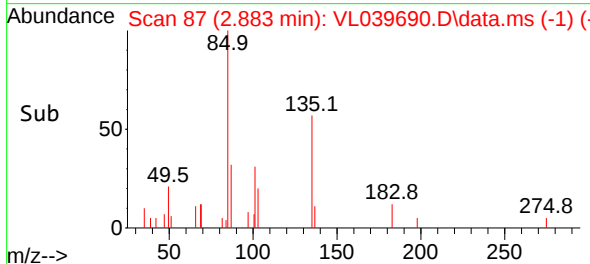
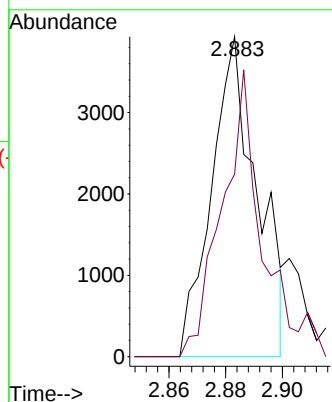
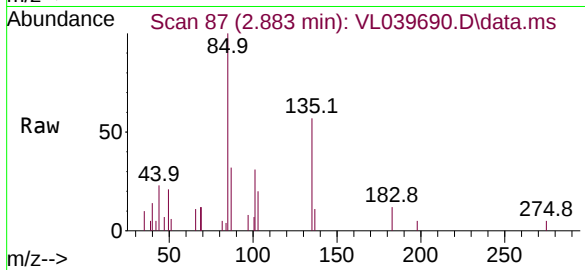




#8
 Dichlorotetrafluoroethane
 Concen: 0.031 ppbv
 RT: 2.883 min Scan# 81
 Delta R.T. 0.007 min
 Lab File: VL039690.D
 Acq: 4 Oct 2022 21:00

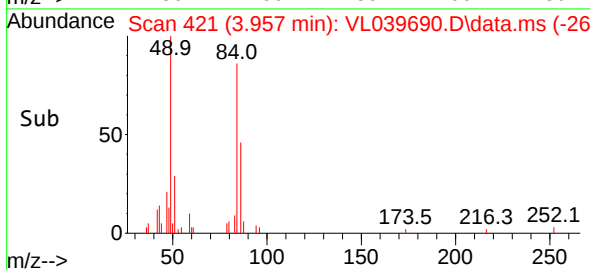
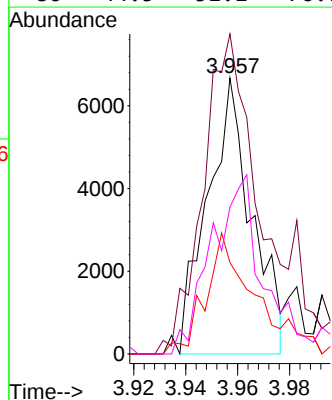
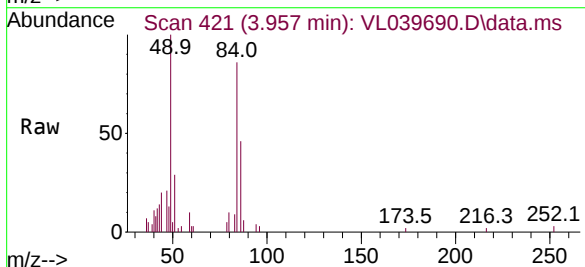
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2022

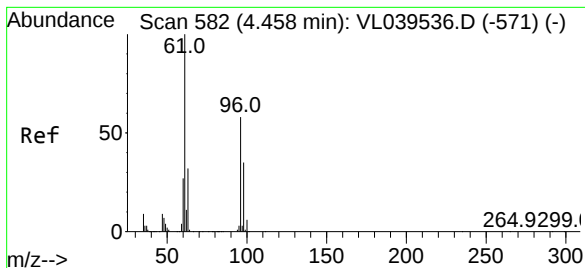
Tgt Ion: 85 Resp: 4386
 Ion Ratio Lower Upper
 85 100
 135 81.6 59.0 88.4



#20
 Methylene Chloride
 Concen: 0.151 ppbv
 RT: 3.957 min Scan# 421
 Delta R.T. 0.010 min
 Lab File: VL039690.D
 Acq: 4 Oct 2022 21:00

Tgt Ion: 84 Resp: 7893
 Ion Ratio Lower Upper
 84 100
 49 92.2 123.1 184.7#
 51 29.4 34.4 51.6#
 86 44.5 51.1 76.7#





#22

trans-1,2-Dichloroethene

Concen: 0.032 ppbv

RT: 4.465 min Scan# 51

Delta R.T. 0.007 min

Lab File: VL039690.D

Acq: 4 Oct 2022 21:00

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2022

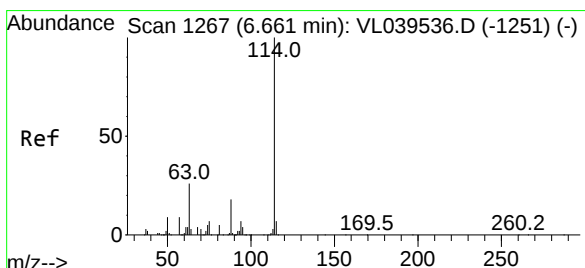
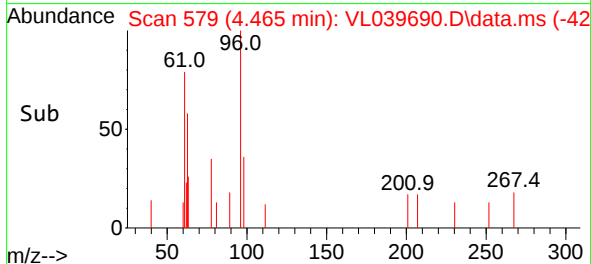
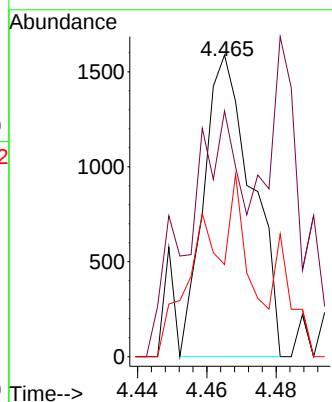
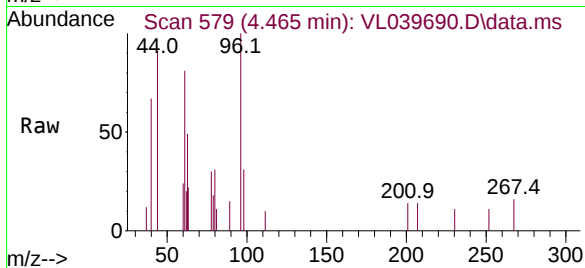
Tgt Ion: 96 Resp: 1533

Ion Ratio Lower Upper

96 100

61 48.1 130.6 195.8#

98 12.0 53.4 80.0#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.664 min Scan# 1263

Delta R.T. 0.004 min

Lab File: VL039690.D

Acq: 4 Oct 2022 21:00

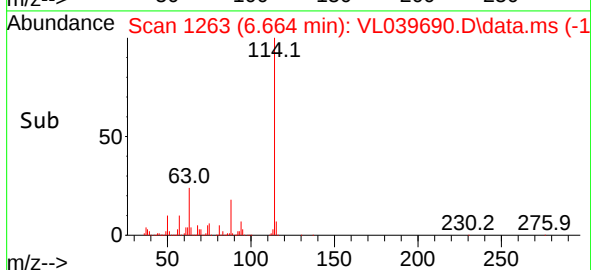
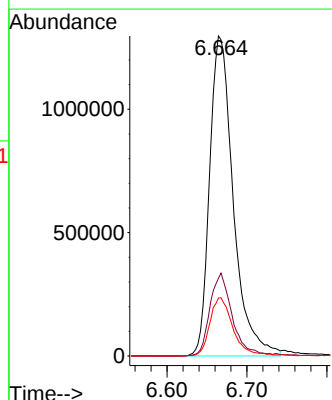
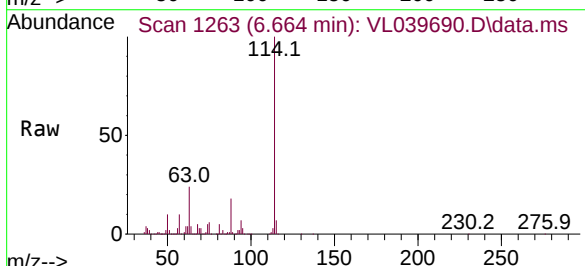
Tgt Ion: 114 Resp: 2669661

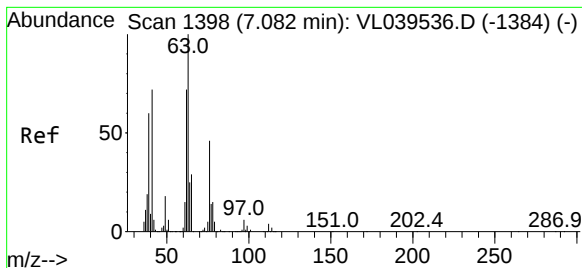
Ion Ratio Lower Upper

114 100

63 24.9 20.2 30.4

88 17.9 14.5 21.7





#39

1,2-Dichloropropane

Concen: 8.200 ppbv

RT: 6.668 min Scan# 11

Delta R.T. -0.414 min

Lab File: VL039690.D

Acq: 4 Oct 2022 21:00

Instrument :

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ClientSampleId :

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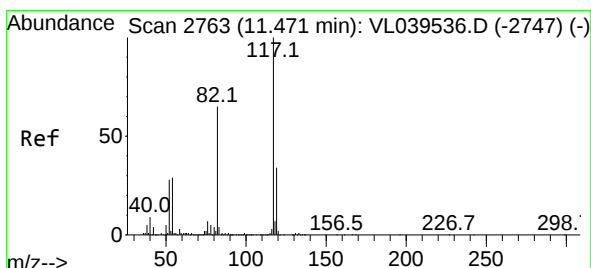
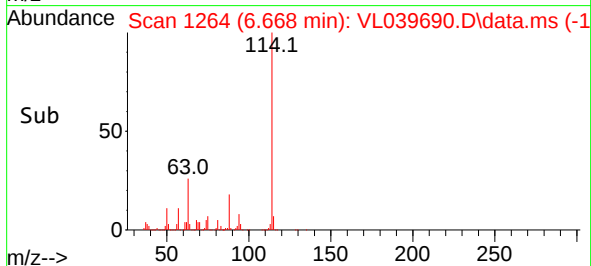
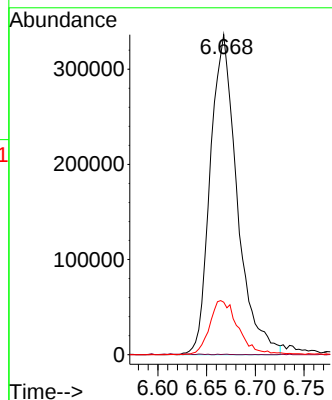
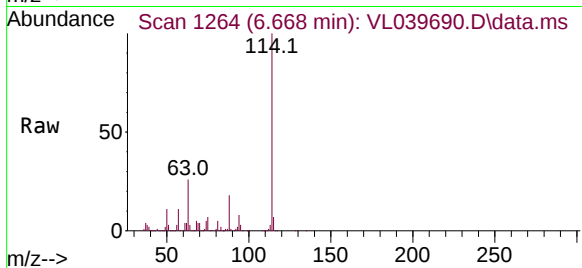
Tgt Ion: 63 Resp: 646252

Ion Ratio Lower Upper

63 100

41 0.0 59.6 89.4#

62 16.3 51.4 77.0#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.474 min Scan# 2759

Delta R.T. 0.004 min

Lab File: VL039690.D

Acq: 4 Oct 2022 21:00

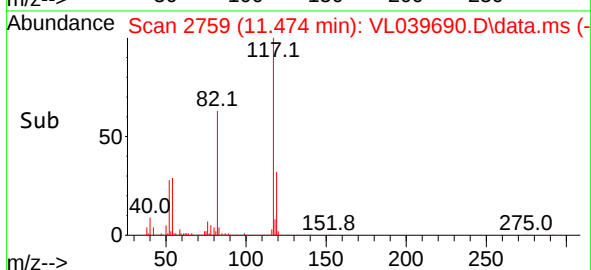
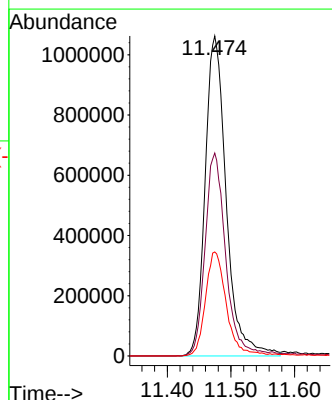
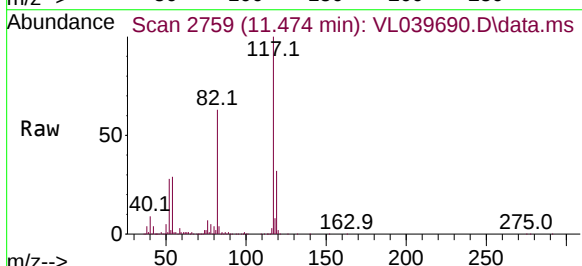
Tgt Ion: 117 Resp: 2445907

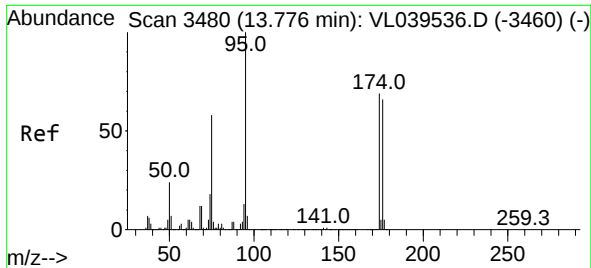
Ion Ratio Lower Upper

117 100

82 63.4 50.8 76.2

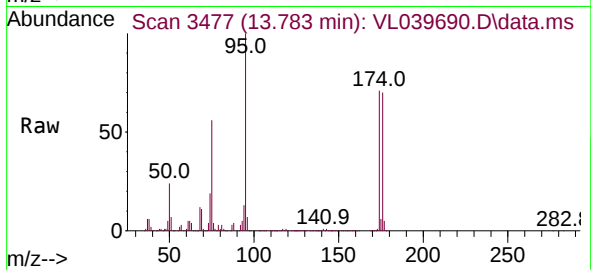
119 32.7 24.1 36.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.794 ppbv
 RT: 13.783 min Scan# 34
 Delta R.T. 0.007 min
 Lab File: VL039690.D
 Acq: 4 Oct 2022 21:00

Instrument :
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Tgt Ion: 95 Resp: 1788264

Ion	Ratio	Lower	Upper
95	100		
174	73.2	55.9	83.9
175	5.6	4.2	6.4

