

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100422\
 Data File : VL039689.D
 Acq On : 4 Oct 2022 20:22
 Operator : SY/AP
 Sample : N4955-14 LOQ 0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Oct 05 04:42:22 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)

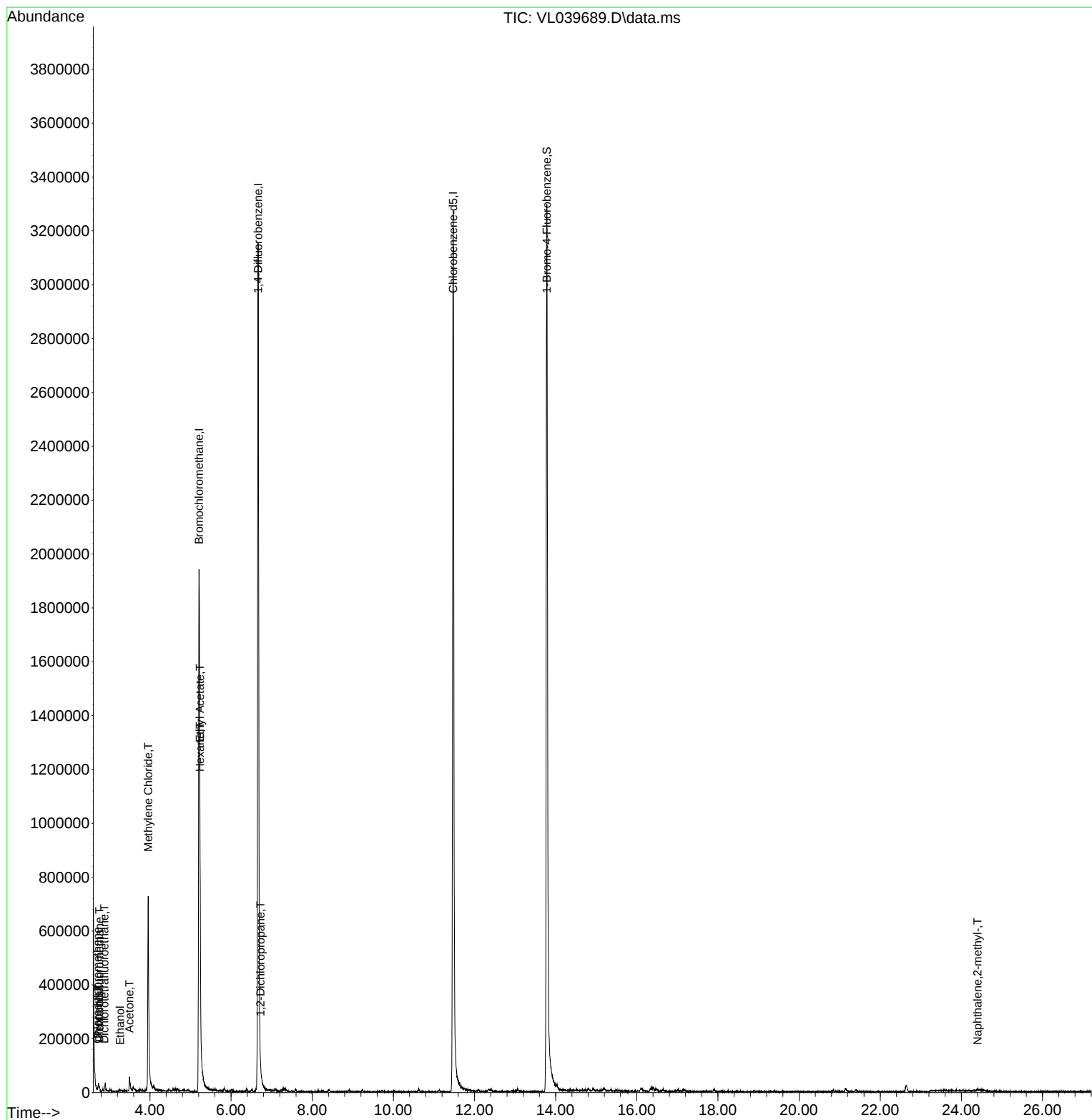
Internal Standards						
1) Bromochloromethane	5.208	49	945211	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2485938	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2184529	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1586046	9.726	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.755	85	4089	0.037	ppbv	96
3) Chlorodifluoromethane	2.706	51	9557	0.085	ppbv	94
8) Dichlorotetrafluoroethane	2.880	85	4335	0.033	ppbv	84
9) Propene	2.732	41	7517	0.147	ppbv	100
13) Ethanol	3.266	45	2969	0.761	ppbv #	23
15) Acetone	3.497	43	45903	0.436	ppbv	90
20) Methylene Chloride	3.957	84	252713	5.197	ppbv	98
25) Ethyl Acetate	5.230	43	156853	0.684	ppbv #	76
26) Hexane	5.234	57	209261	2.150	ppbv #	38
39) 1,2-Dichloropropane	6.726	63	6238	0.085	ppbv #	15
80) Naphthalene,2-methyl-	24.397	142	4404	0.071	ppbv #	81

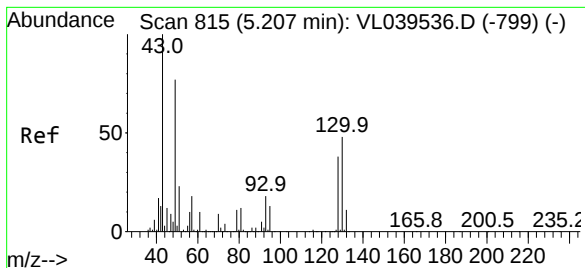
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 05 04:42:22 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
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Response via : Initial Calibration

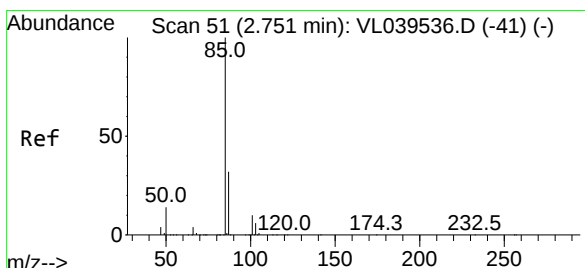
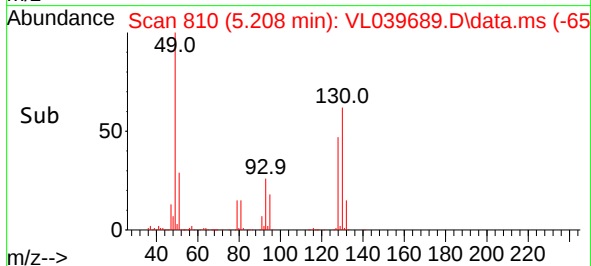
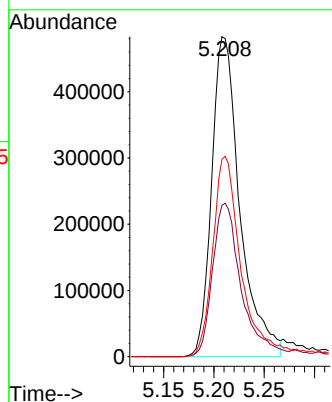
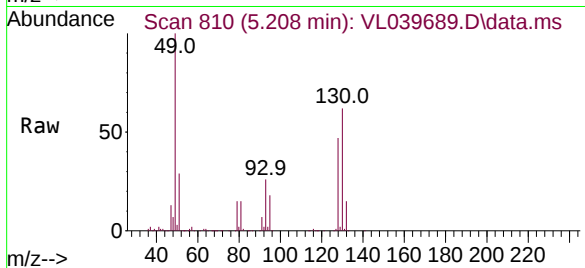




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.208 min Scan# 81
Delta R.T. 0.001 min
Lab File: VL039689.D
Acq: 4 Oct 2022 20:22

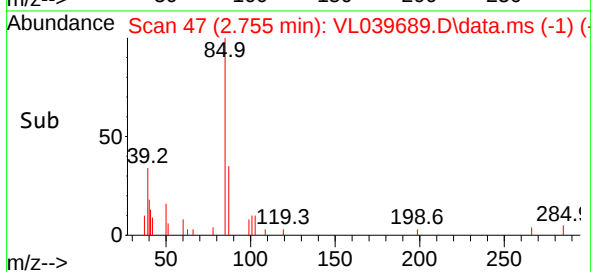
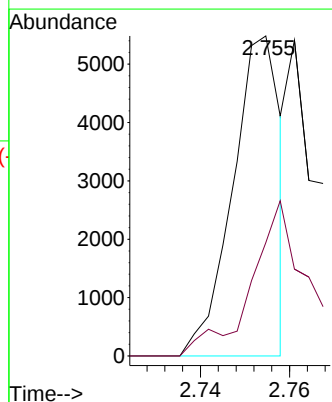
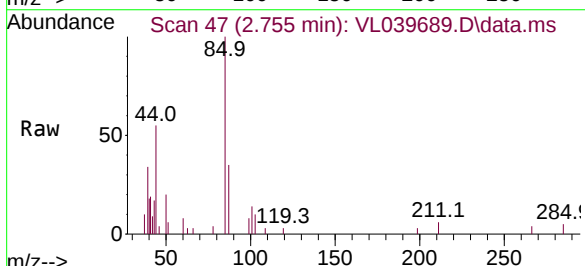
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2022

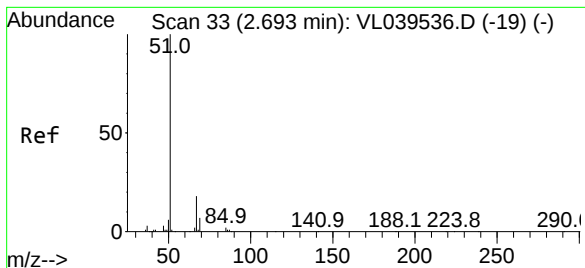
Tgt Ion: 49 Resp: 945211
Ion Ratio Lower Upper
49 100
128 50.6 26.7 80.0
130 65.2 34.3 102.8



#2
Dichlorodifluoromethane
Concen: 0.037 ppbv
RT: 2.755 min Scan# 47
Delta R.T. 0.004 min
Lab File: VL039689.D
Acq: 4 Oct 2022 20:22

Tgt Ion: 85 Resp: 4089
Ion Ratio Lower Upper
85 100
87 35.4 26.7 40.1

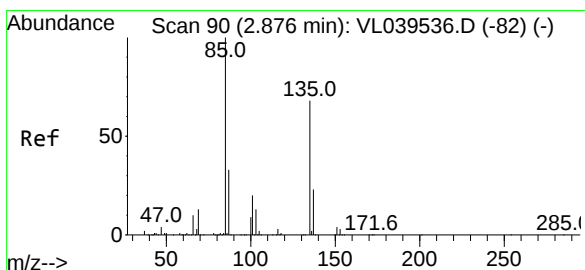
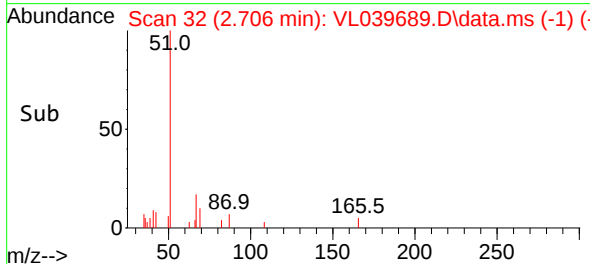
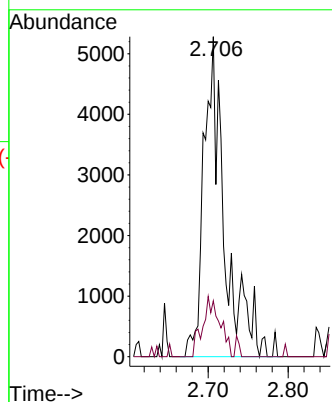
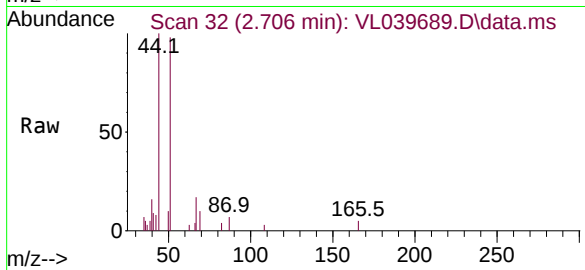




#3
 Chlorodifluoromethane
 Concen: 0.085 ppbv
 RT: 2.706 min Scan# 31
 Delta R.T. 0.014 min
 Lab File: VL039689.D
 Acq: 4 Oct 2022 20:22

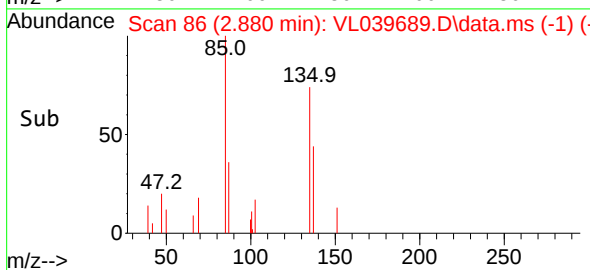
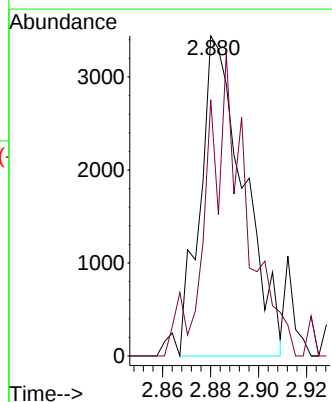
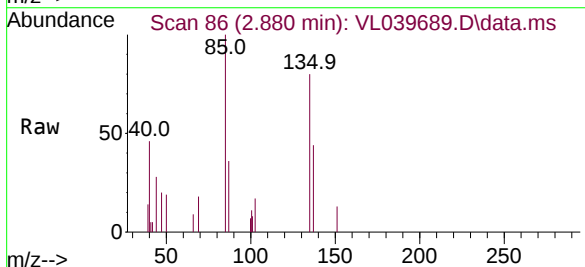
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2022

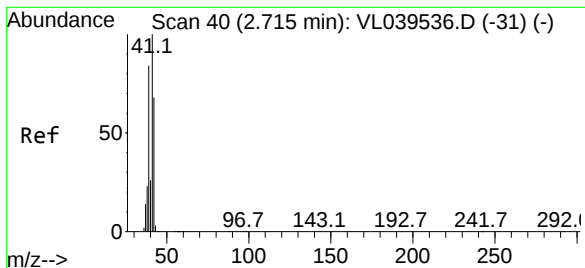
Tgt Ion: 51 Resp: 9557
 Ion Ratio Lower Upper
 51 100
 67 16.9 15.7 23.5



#8
 Dichlorotetrafluoroethane
 Concen: 0.033 ppbv
 RT: 2.880 min Scan# 86
 Delta R.T. 0.004 min
 Lab File: VL039689.D
 Acq: 4 Oct 2022 20:22

Tgt Ion: 85 Resp: 4335
 Ion Ratio Lower Upper
 85 100
 135 87.2 59.0 88.4





#9

Propene

Concen: 0.147 ppbv

RT: 2.732 min Scan# 40

Delta R.T. 0.017 min

Lab File: VL039689.D

Acq: 4 Oct 2022 20:22

Instrument :

MSVOA_L

ClientSampleId :

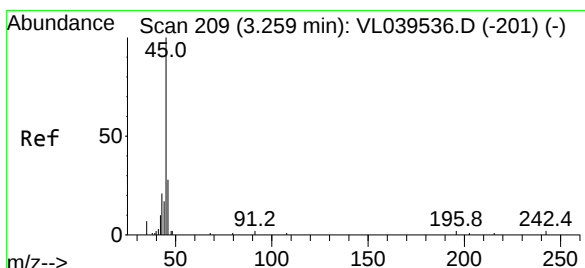
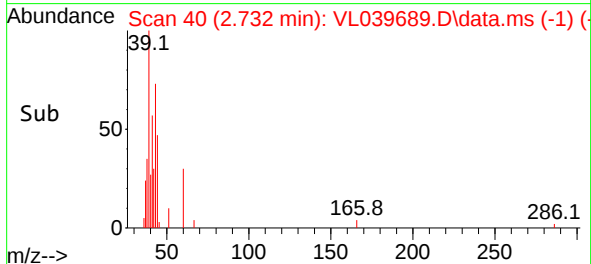
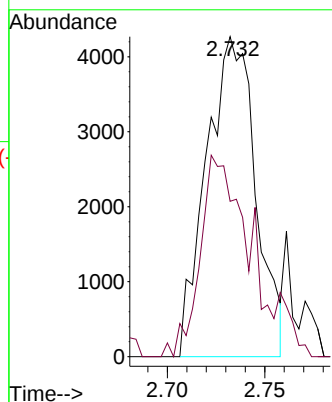
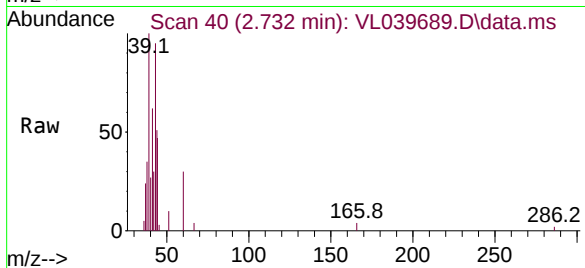
LOQ-AIR-02-QT4-2022

Tgt Ion: 41 Resp: 7517

Ion Ratio Lower Upper

41 100

42 69.4 55.2 82.8



#13

Ethanol

Concen: 0.761 ppbv

RT: 3.266 min Scan# 206

Delta R.T. 0.007 min

Lab File: VL039689.D

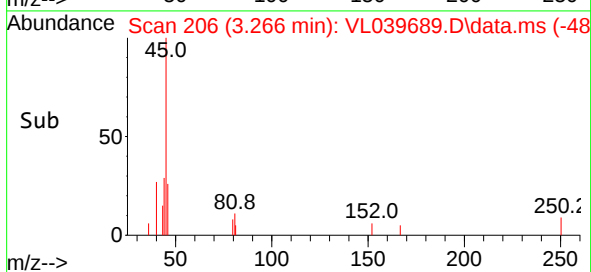
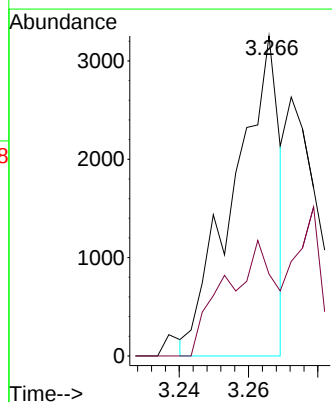
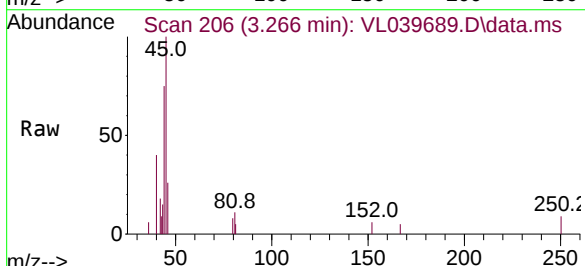
Acq: 4 Oct 2022 20:22

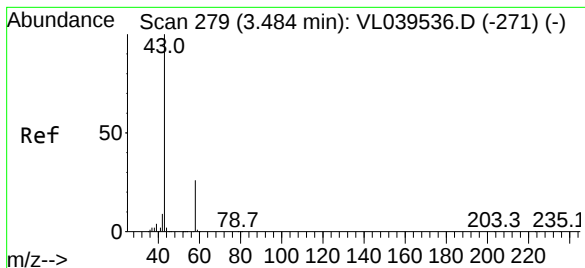
Tgt Ion: 45 Resp: 2969

Ion Ratio Lower Upper

45 100

46 0.0 22.8 91.2#





#15

Acetone

Concen: 0.436 ppbv

RT: 3.497 min Scan# 21

Delta R.T. 0.014 min

Lab File: VL039689.D

Acq: 4 Oct 2022 20:22

Instrument :

MSVOA_L

ClientSampleId :

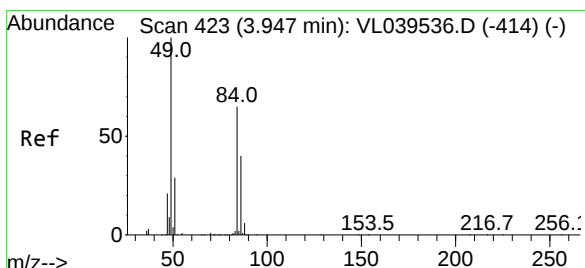
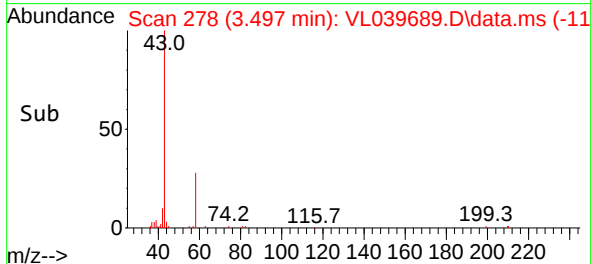
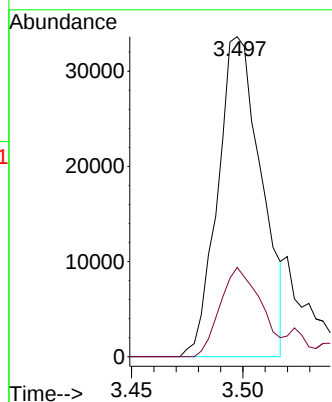
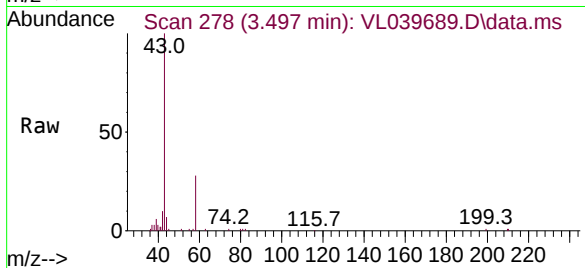
LOQ-AIR-02-QT4-2022

Tgt Ion: 43 Resp: 45903

Ion Ratio Lower Upper

43 100

58 31.2 21.0 31.6



#20

Methylene Chloride

Concen: 5.197 ppbv

RT: 3.957 min Scan# 421

Delta R.T. 0.010 min

Lab File: VL039689.D

Acq: 4 Oct 2022 20:22

Tgt Ion: 84 Resp: 252713

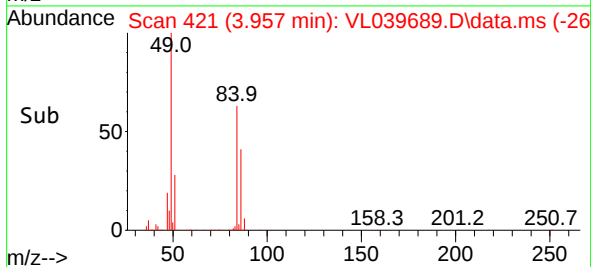
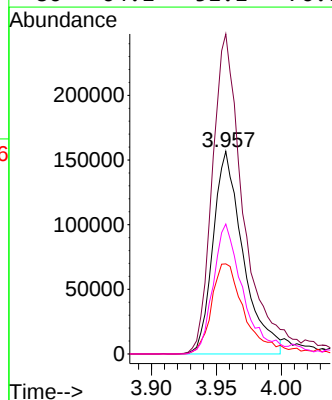
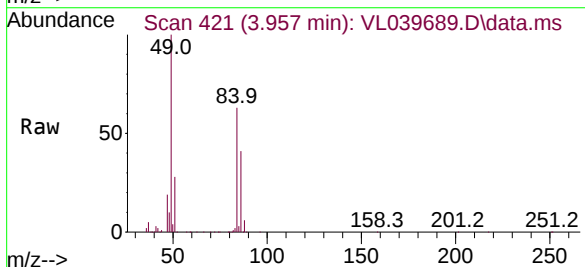
Ion Ratio Lower Upper

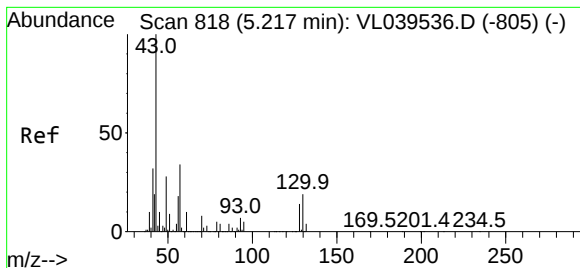
84 100

49 157.9 123.1 184.7

51 44.5 34.4 51.6

86 64.1 51.1 76.7





#25

Ethyl Acetate

Concen: 0.684 ppbv

RT: 5.230 min Scan# 817

Delta R.T. 0.014 min

Lab File: VL039689.D

Acq: 4 Oct 2022 20:22

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2022

Tgt Ion: 43 Resp: 156853

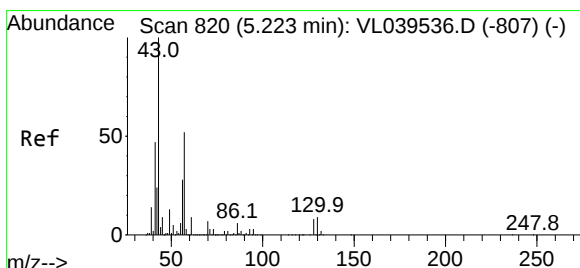
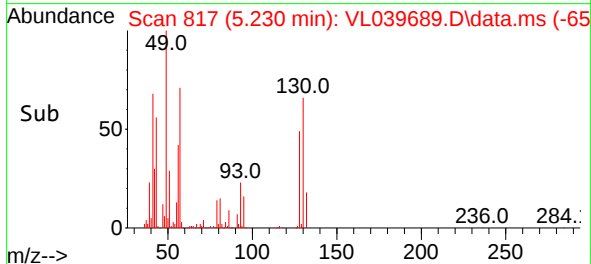
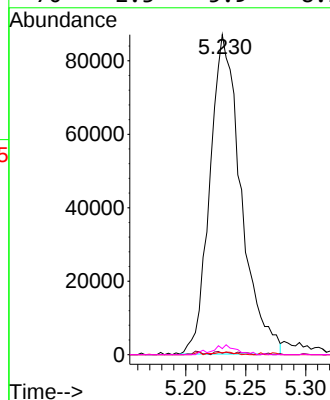
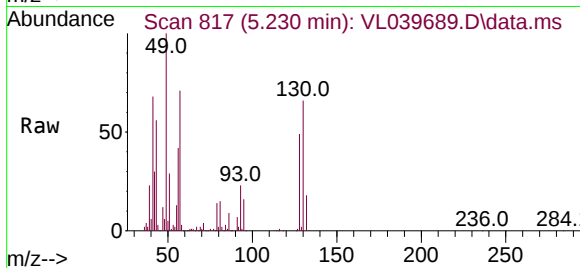
Ion Ratio Lower Upper

43 100

45 0.7 8.2 12.4#

61 0.0 8.3 12.5#

70 2.3 5.9 8.9#



#26

Hexane

Concen: 2.150 ppbv

RT: 5.234 min Scan# 818

Delta R.T. 0.010 min

Lab File: VL039689.D

Acq: 4 Oct 2022 20:22

Tgt Ion: 57 Resp: 209261

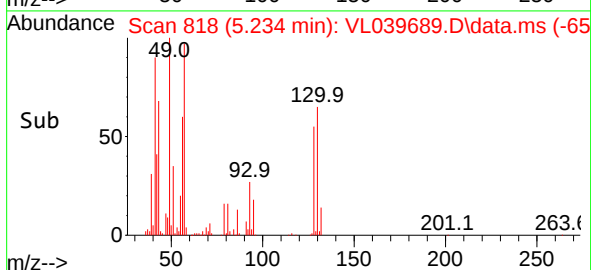
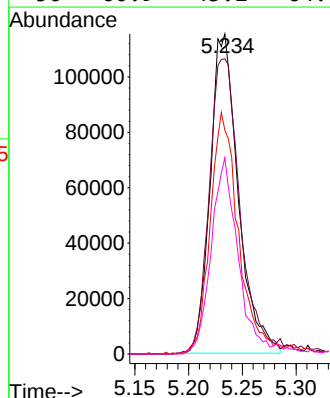
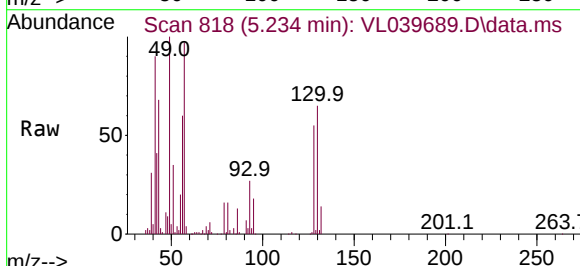
Ion Ratio Lower Upper

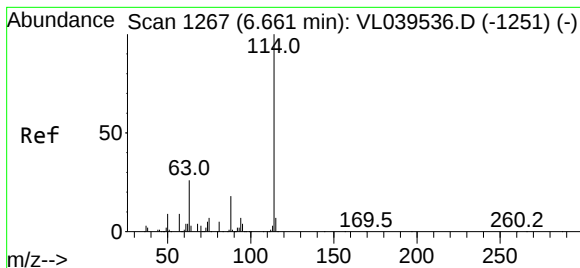
57 100

41 105.0 76.9 115.3

43 78.9 191.0 286.6#

56 60.9 43.2 64.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.668 min Scan# 11

Delta R.T. 0.007 min

Lab File: VL039689.D

Acq: 4 Oct 2022 20:22

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2022

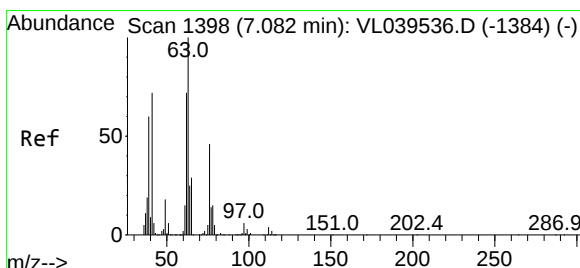
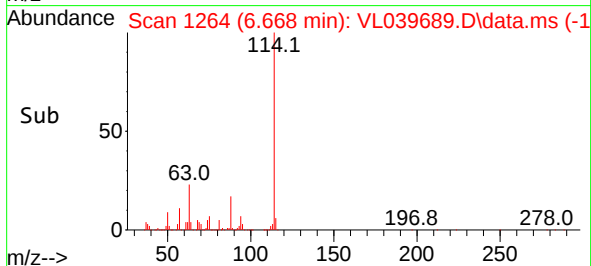
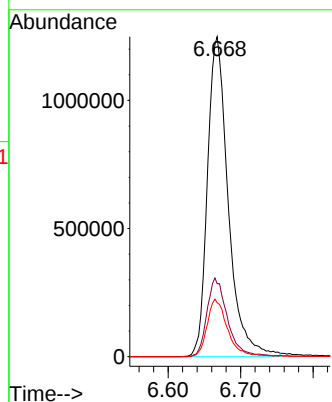
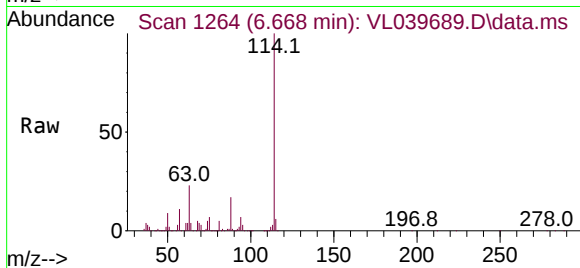
Tgt Ion:114 Resp: 2485938

Ion Ratio Lower Upper

114 100

63 24.5 20.2 30.4

88 17.9 14.5 21.7



#39

1,2-Dichloropropane

Concen: 0.085 ppbv

RT: 6.726 min Scan# 1282

Delta R.T. -0.356 min

Lab File: VL039689.D

Acq: 4 Oct 2022 20:22

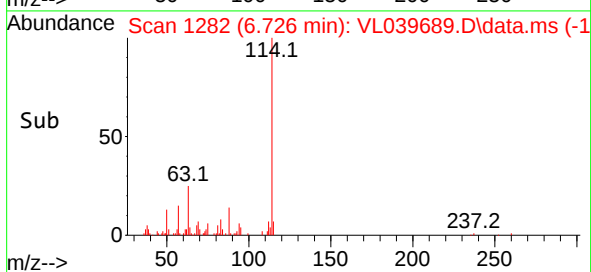
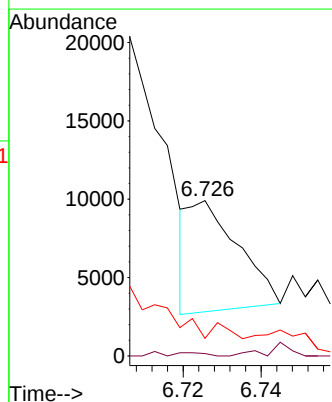
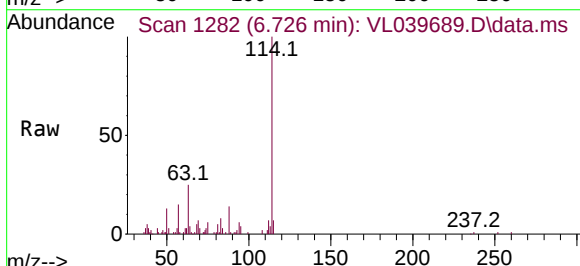
Tgt Ion: 63 Resp: 6238

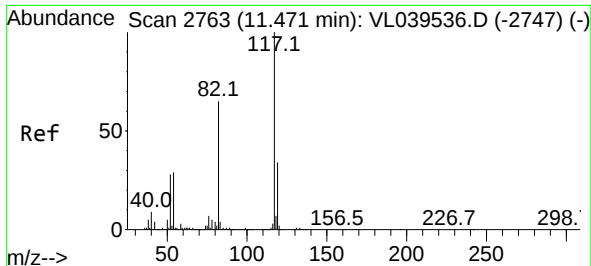
Ion Ratio Lower Upper

63 100

41 0.0 59.6 89.4#

62 0.0 51.4 77.0#



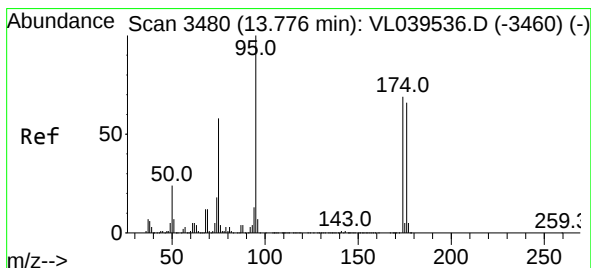
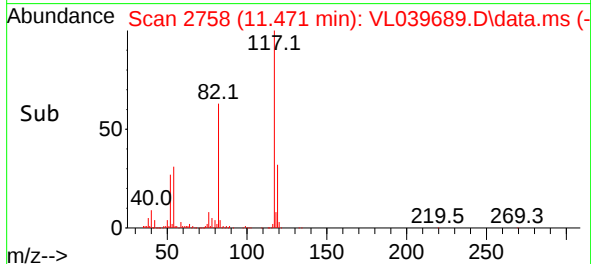
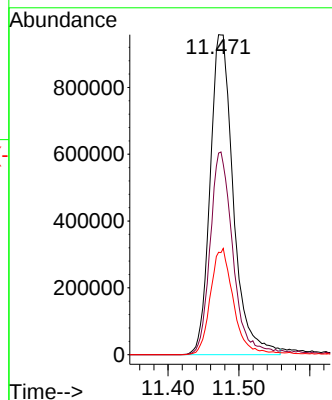
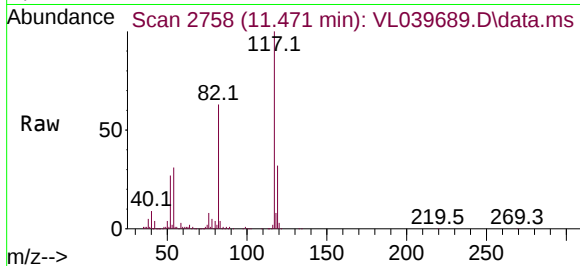


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 21
Delta R.T. 0.001 min
Lab File: VL039689.D
Acq: 4 Oct 2022 20:22

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

Tgt Ion: 117 Resp: 2184529

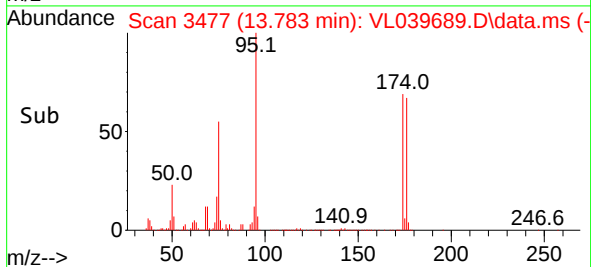
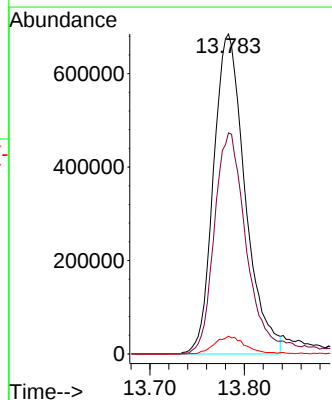
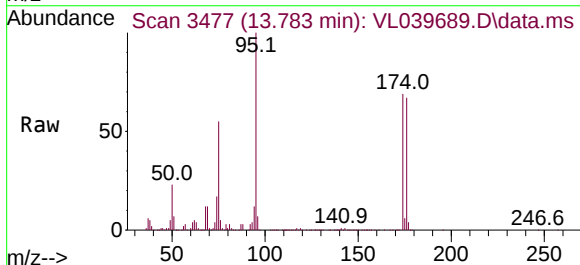
Ion	Ratio	Lower	Upper
117	100		
82	63.9	50.8	76.2
119	33.8	24.1	36.1

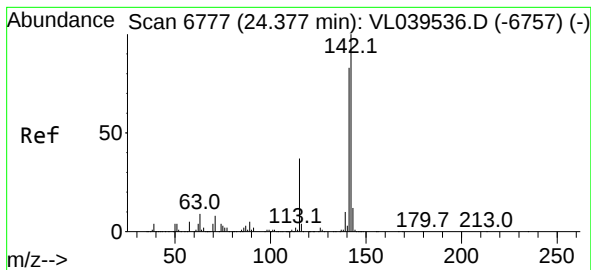


#68
1-Bromo-4-Fluorobenzene
Concen: 9.726 ppbv
RT: 13.783 min Scan# 3477
Delta R.T. 0.007 min
Lab File: VL039689.D
Acq: 4 Oct 2022 20:22

Tgt Ion: 95 Resp: 1586046

Ion	Ratio	Lower	Upper
95	100		
174	74.1	55.9	83.9
175	5.7	4.2	6.4





#80

Naphthalene, 2-methyl-

Concen: 0.071 ppbv

RT: 24.397 min Scan# 61

Delta R.T. 0.020 min

Lab File: VL039689.D

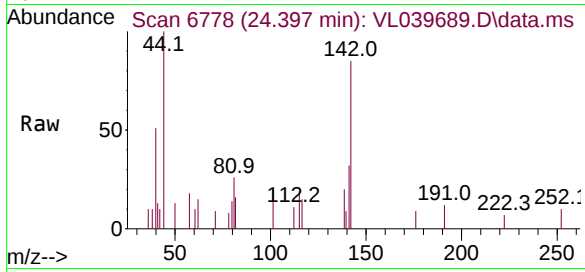
Acq: 4 Oct 2022 20:22

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2022



Tgt Ion:142 Resp: 4404

Ion Ratio Lower Upper

142 100

141 68.0 68.9 103.3#

115 27.8 30.0 45.0#

