

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060822\
 Data File : VL039246.D
 Acq On : 8 Jun 2022 22:25
 Operator : SY/AP
 Sample : N3214-14 0.03 LOQ
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2022

Quant Time: Jun 09 06:43:57 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

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

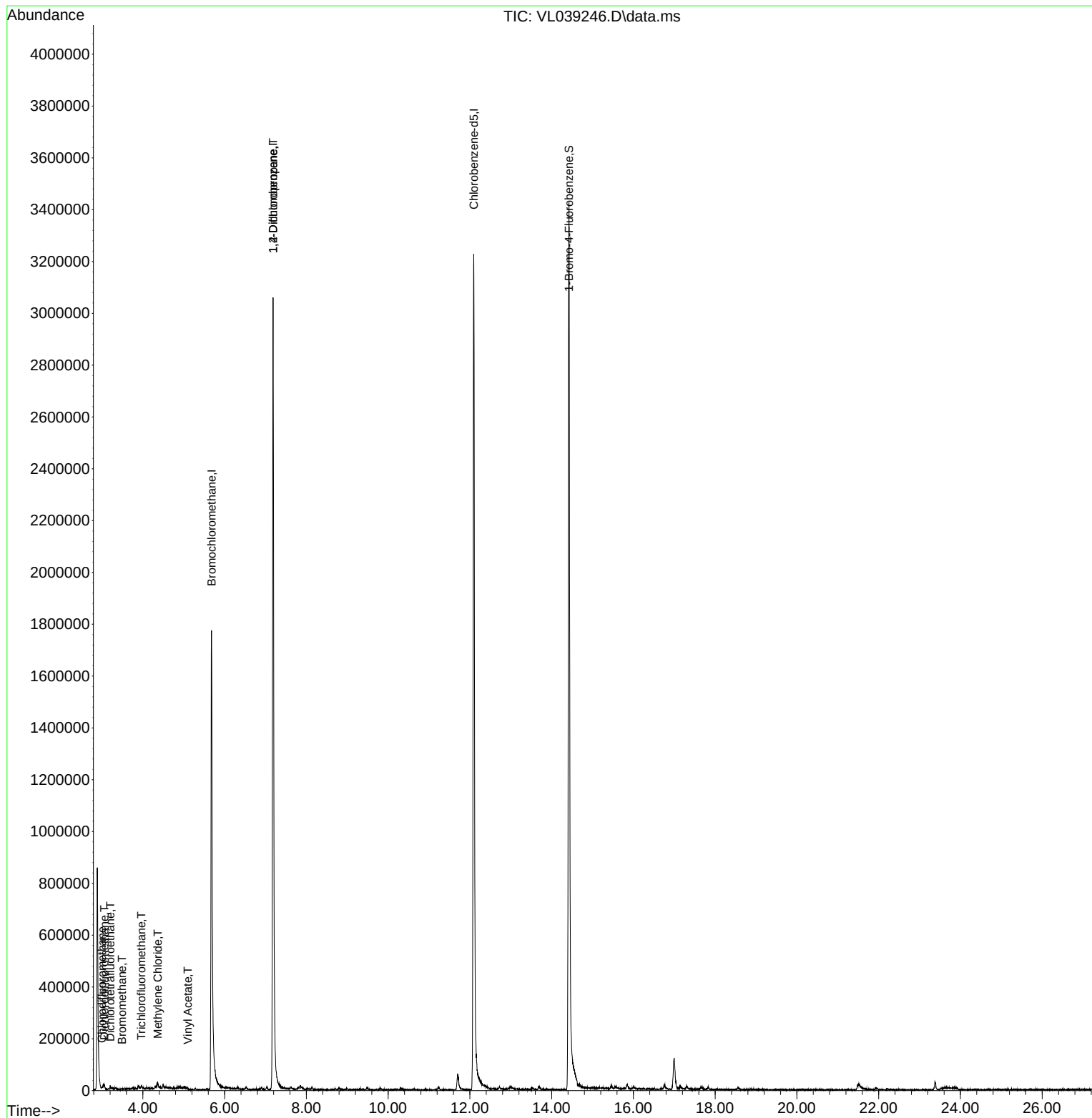
Internal Standards						
1) Bromochloromethane	5.680	49	941725	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.185	114	2195890	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.095	117	1839596	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.423	95	1596264	10.496	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.000%
Target Compounds						
2) Dichlorodifluoromethane	3.060	85	8015	0.048	ppbv #	82
3) Chlorodifluoromethane	3.002	51	5808	0.048	ppbv	98
6) Bromomethane	3.488	94	1155	0.041	ppbv #	21
8) Dichlorotetrafluoroethane	3.205	85	5424	0.036	ppbv #	72
11) Trichlorofluoromethane	3.963	101	5052	0.034	ppbv	98
20) Methylene Chloride	4.362	84	3485	0.084	ppbv #	84
23) Vinyl Acetate	5.098	43	2496	0.031	ppbv #	45
39) 1,2-Dichloropropane	7.185	63	653261	9.212	ppbv #	27

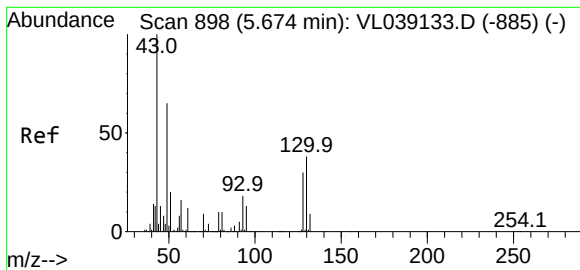
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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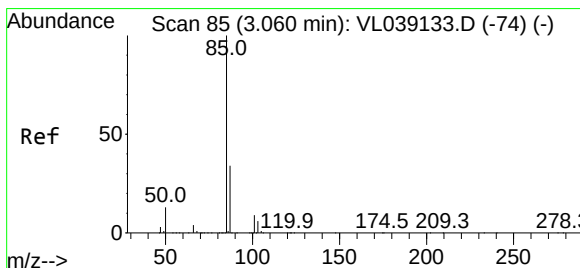
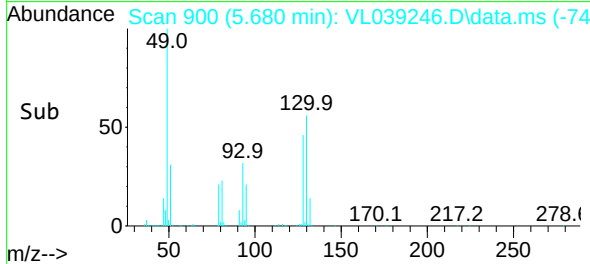
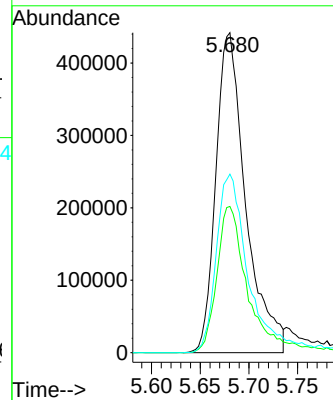
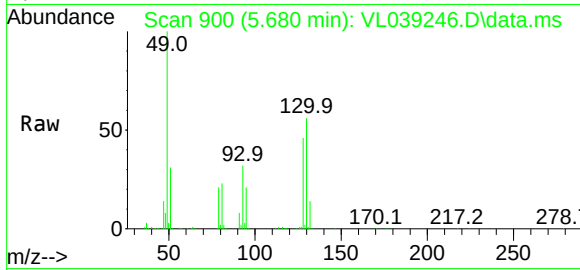




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.680 min Scan# 90
 Delta R.T. 0.006 min
 Lab File: VL039246.D
 Acq: 8 Jun 2022 22:25

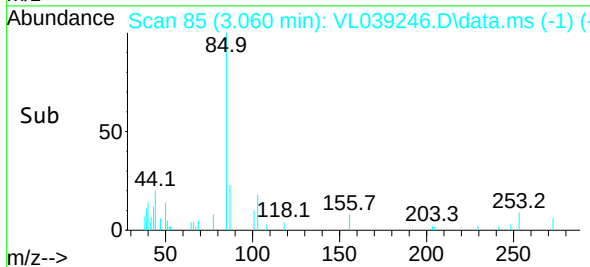
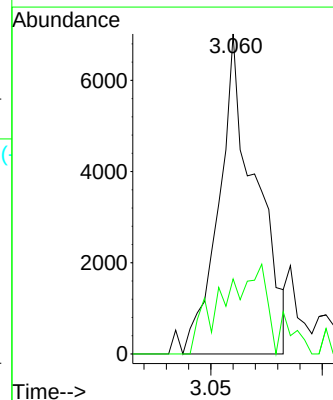
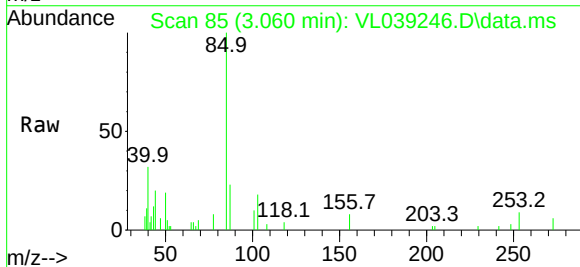
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2022

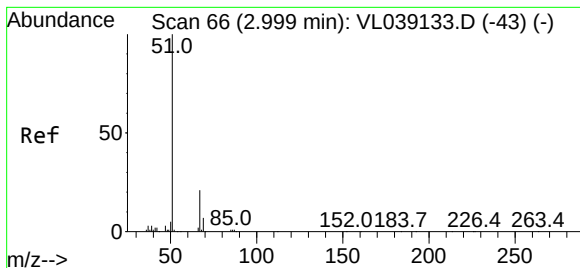
Tgt Ion: 49 Resp: 941725
 Ion Ratio Lower Upper
 49 100
 128 50.2 24.7 74.1
 130 62.7 31.4 94.0



#2
 Dichlorodifluoromethane
 Concen: 0.048 ppbv
 RT: 3.060 min Scan# 85
 Delta R.T. -0.000 min
 Lab File: VL039246.D
 Acq: 8 Jun 2022 22:25

Tgt Ion: 85 Resp: 8015
 Ion Ratio Lower Upper
 85 100
 87 23.5 26.9 40.3#





#3

Chlorodifluoromethane

Concen: 0.048 ppbv

RT: 3.002 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL039246.D

Acq: 8 Jun 2022 22:25

Instrument :

MSVOA_L

ClientSampleId :

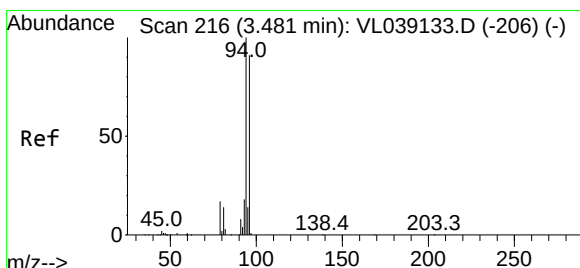
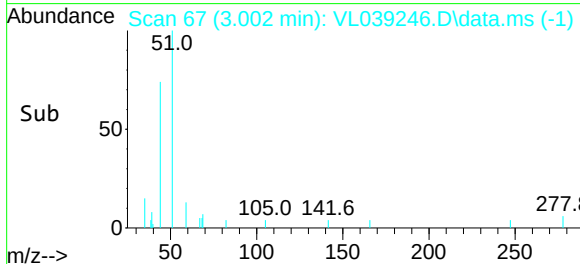
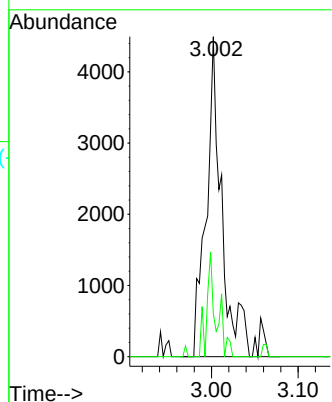
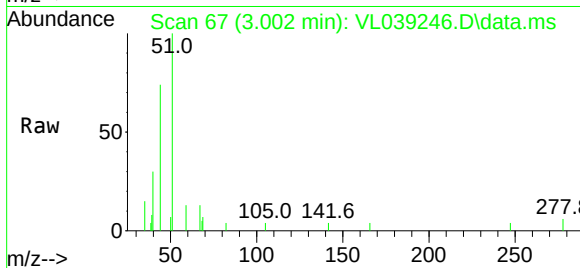
LOQ-AIR-02-QT2-2022

Tgt Ion: 51 Resp: 5808

Ion Ratio Lower Upper

51 100

67 19.4 16.2 24.4



#6

Bromomethane

Concen: 0.041 ppbv

RT: 3.488 min Scan# 218

Delta R.T. 0.006 min

Lab File: VL039246.D

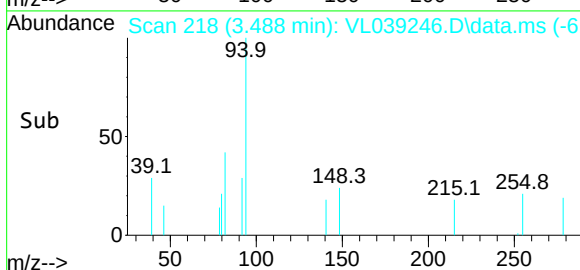
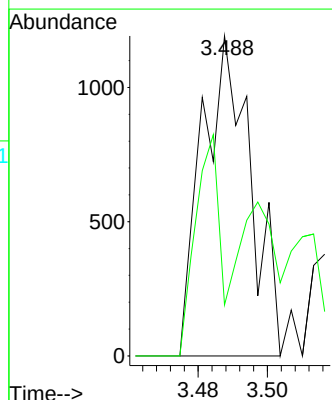
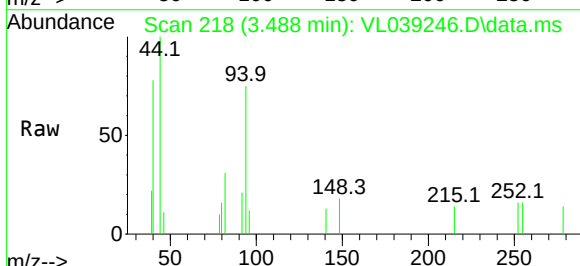
Acq: 8 Jun 2022 22:25

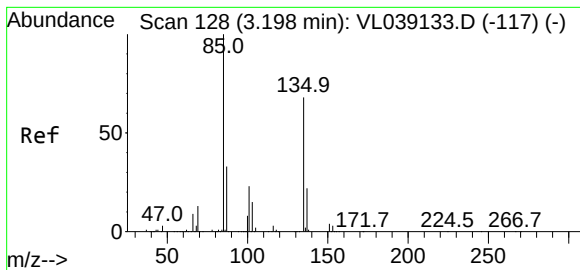
Tgt Ion: 94 Resp: 1155

Ion Ratio Lower Upper

94 100

96 15.9 73.0 109.4#

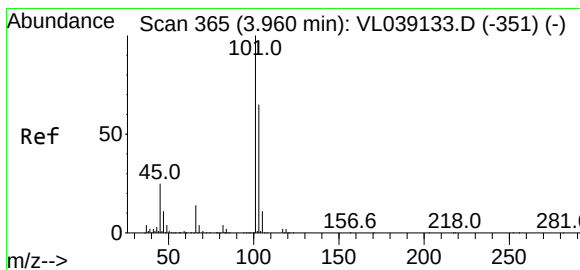
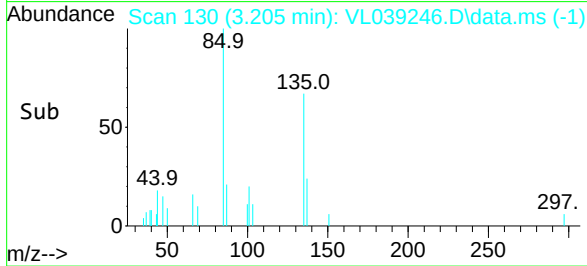
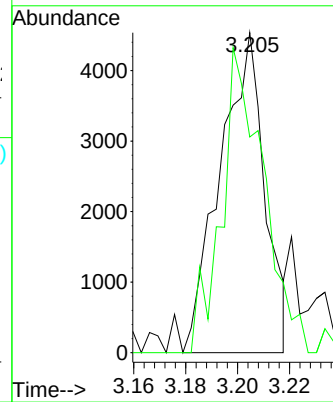
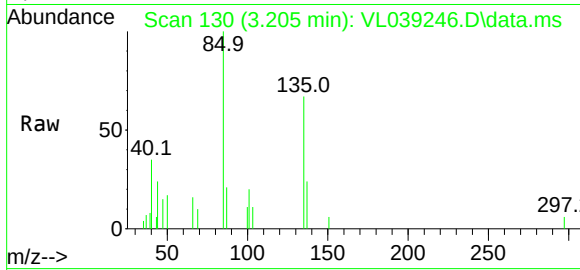




#8
 Dichlorotetrafluoroethane
 Concen: 0.036 ppbv
 RT: 3.205 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VL039246.D
 Acq: 8 Jun 2022 22:25

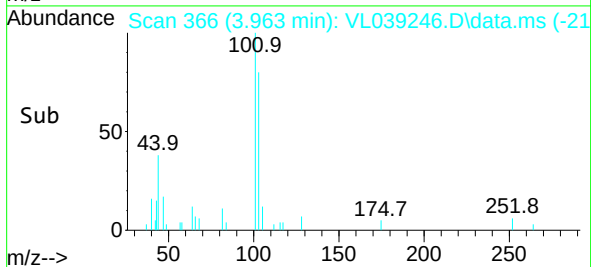
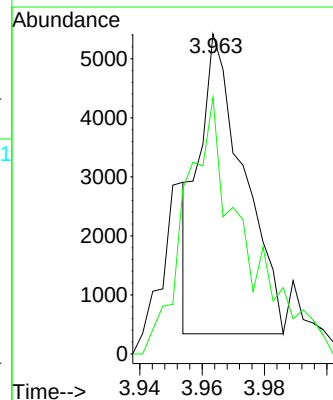
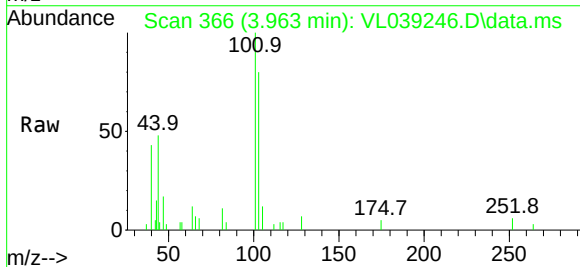
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2022

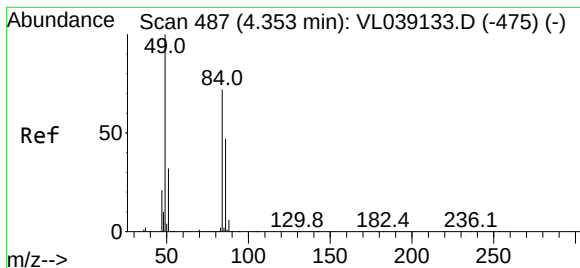
Tgt Ion: 85 Resp: 5424
 Ion Ratio Lower Upper
 85 100
 135 91.6 55.0 82.4#



#11
 Trichlorofluoromethane
 Concen: 0.034 ppbv
 RT: 3.963 min Scan# 366
 Delta R.T. 0.003 min
 Lab File: VL039246.D
 Acq: 8 Jun 2022 22:25

Tgt Ion: 101 Resp: 5052
 Ion Ratio Lower Upper
 101 100
 103 63.4 51.7 77.5





#20

Methylene Chloride

Concen: 0.084 ppbv

RT: 4.362 min Scan# 490

Delta R.T. 0.010 min

Lab File: VL039246.D

Acq: 8 Jun 2022 22:25

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2022

Tgt Ion: 84 Resp: 3485

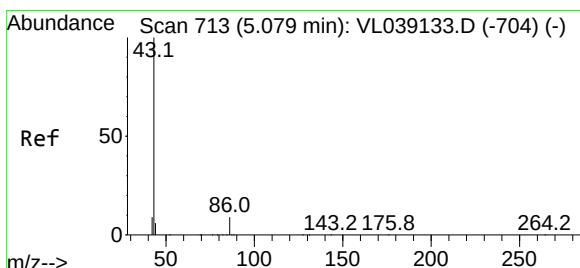
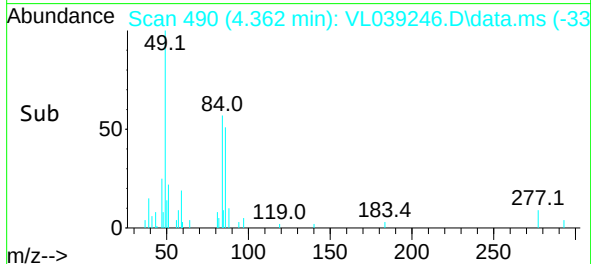
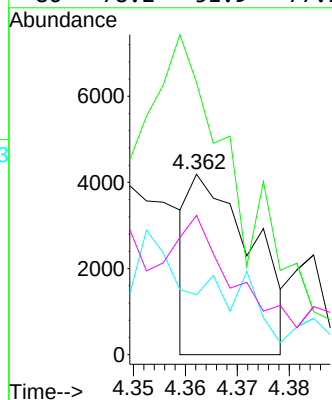
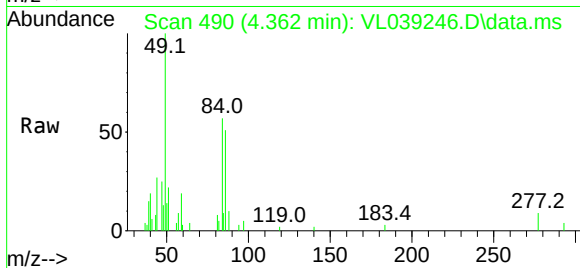
Ion Ratio Lower Upper

84 100

49 163.4 111.1 166.7

51 41.8 35.3 52.9

86 78.2 51.9 77.9#



#23

Vinyl Acetate

Concen: 0.031 ppbv

RT: 5.098 min Scan# 719

Delta R.T. 0.019 min

Lab File: VL039246.D

Acq: 8 Jun 2022 22:25

Tgt Ion: 43 Resp: 2496

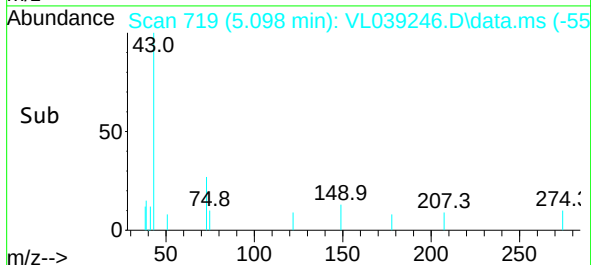
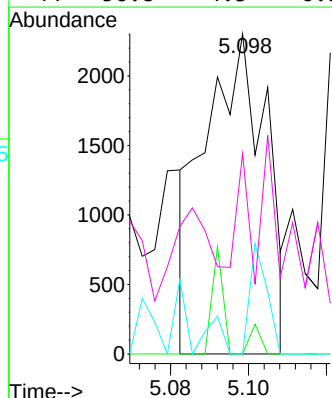
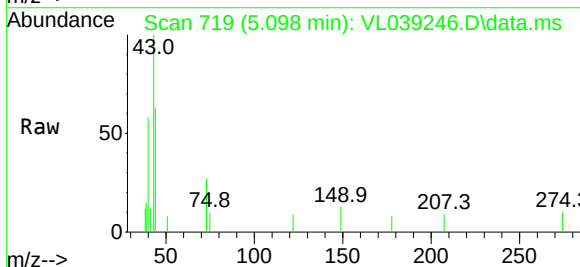
Ion Ratio Lower Upper

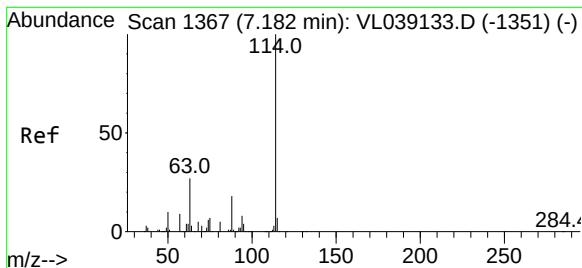
43 100

86 0.0 6.0 9.0#

42 0.0 8.2 12.4#

44 56.8 4.3 6.5#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.185 min Scan# 1368

Delta R.T. 0.003 min

Lab File: VL039246.D

Acq: 8 Jun 2022 22:25

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2022

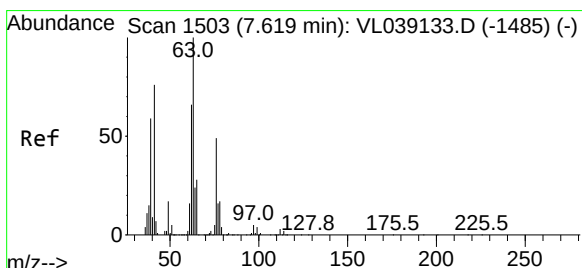
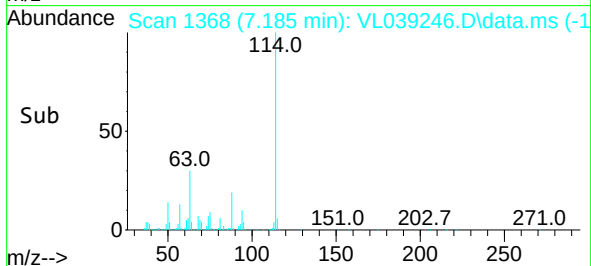
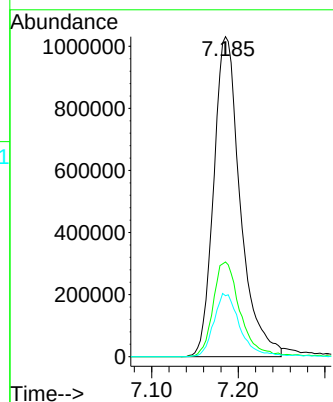
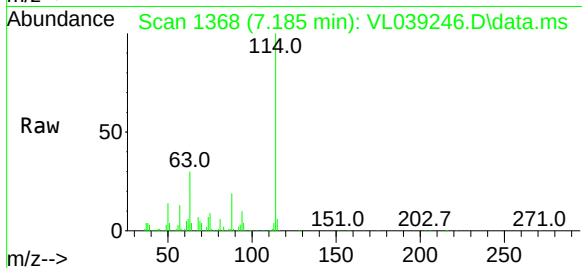
Tgt Ion:114 Resp: 2195890

Ion Ratio Lower Upper

114 100

63 30.7 21.7 32.5

88 20.0 14.8 22.2



#39

1,2-Dichloropropane

Concen: 9.212 ppbv

RT: 7.185 min Scan# 1368

Delta R.T. -0.434 min

Lab File: VL039246.D

Acq: 8 Jun 2022 22:25

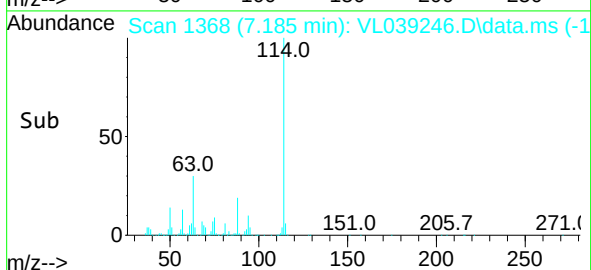
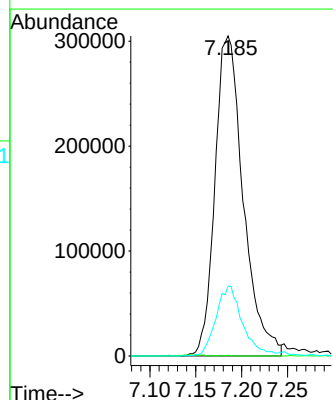
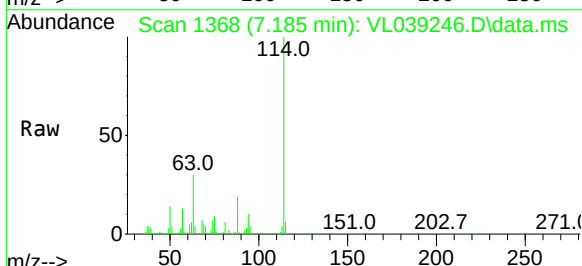
Tgt Ion: 63 Resp: 653261

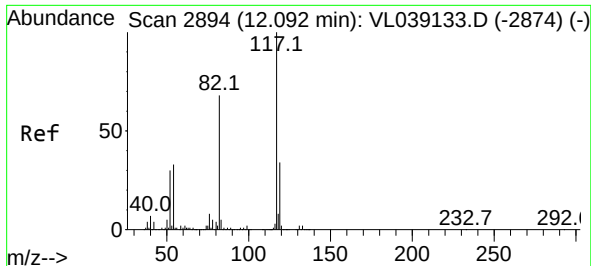
Ion Ratio Lower Upper

63 100

41 0.2 60.8 91.2#

62 21.8 52.9 79.3#

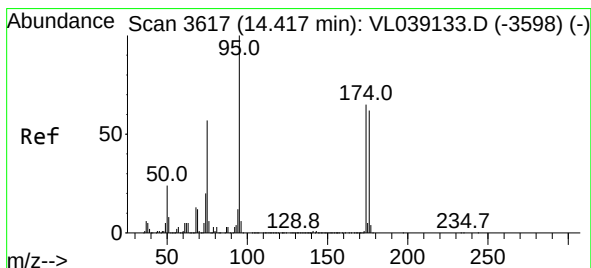
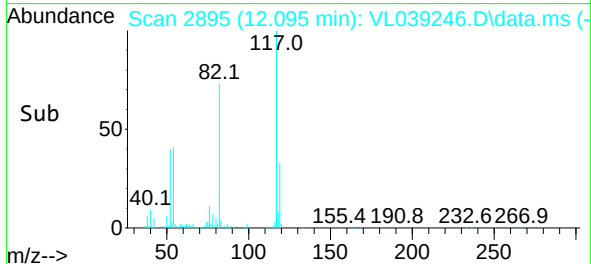
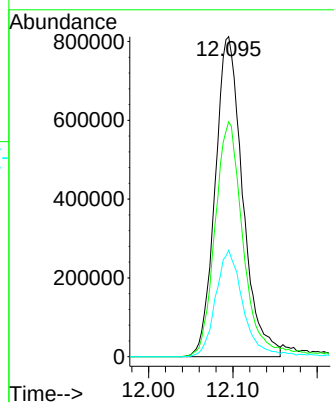
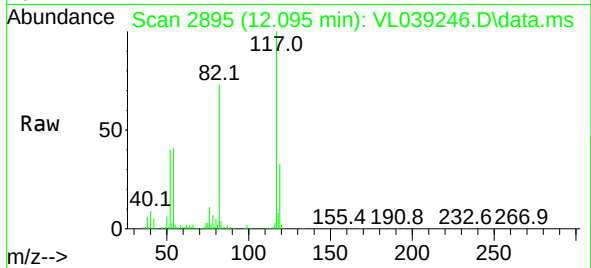




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.095 min Scan# 2895
Delta R.T. 0.003 min
Lab File: VL039246.D
Acq: 8 Jun 2022 22:25

Instrument : MSVOA_1
ClientSampleId : LOQ-AIR-02-QT2-2022

Tgt Ion: 117 Resp: 1839596
Ion Ratio Lower Upper
117 100
82 76.2 55.1 82.7
119 33.6 24.7 37.1



#68
1-Bromo-4-Fluorobenzene
Concen: 10.496 ppbv
RT: 14.423 min Scan# 3619
Delta R.T. 0.006 min
Lab File: VL039246.D
Acq: 8 Jun 2022 22:25

Tgt Ion: 95 Resp: 1596264
Ion Ratio Lower Upper
95 100
174 61.2 53.8 80.8
175 4.4 4.1 6.1

