

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060822\
 Data File : VL039248.D
 Acq On : 8 Jun 2022 23:45
 Operator : SY/AP
 Sample : N3214-13 0.03 LOQ
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2022

Quant Time: Jun 09 06:44:14 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)

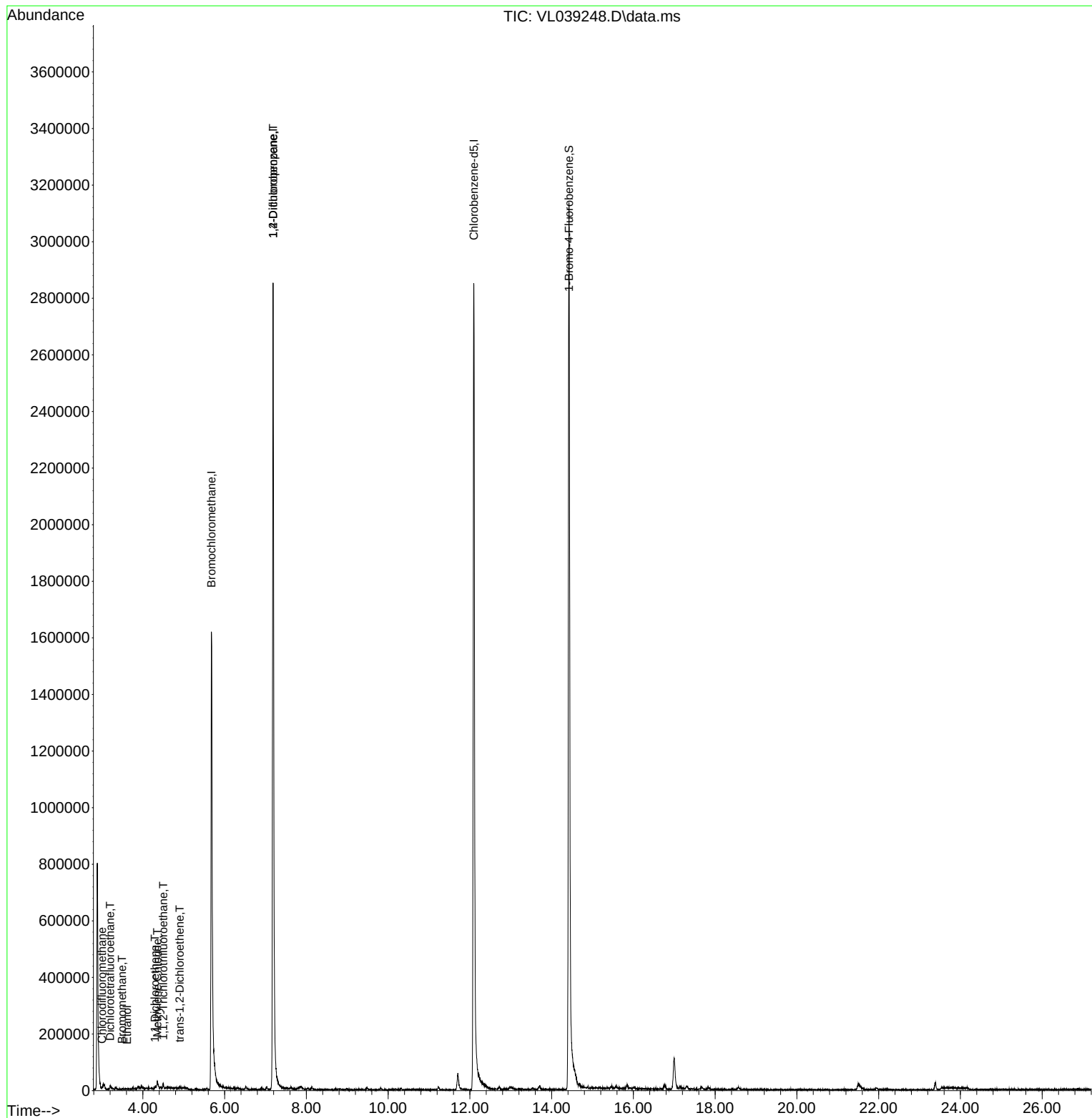
Internal Standards						
1) Bromochloromethane	5.677	49	838782	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.185	114	1980796	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.098	117	1614004	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.426	95	1478340	11.079	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.800%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.999	51	4371	0.041	ppbv	96
6) Bromomethane	3.491	94	1194	0.047	ppbv #	61
8) Dichlorotetrafluoroethane	3.202	85	4710	0.035	ppbv #	42
12) 1,1,2-Trichlorotrifluo...	4.501	101	3068	0.035	ppbv #	59
13) Ethanol	3.613	45	123	0.048	ppbv #	100
18) 1,1-Dichloroethene	4.298	96	1718	0.043	ppbv #	3
20) Methylene Chloride	4.353	84	4395	0.119	ppbv #	81
22) trans-1,2-Dichloroethene	4.899	96	1396	0.037	ppbv #	42
39) 1,2-Dichloropropane	7.185	63	587868	9.191	ppbv #	24

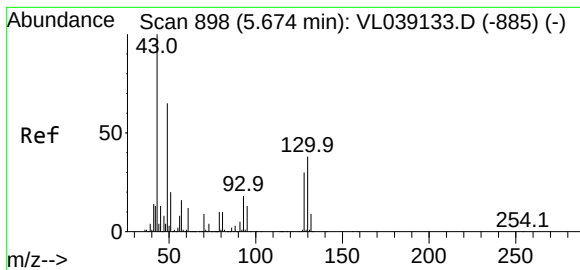
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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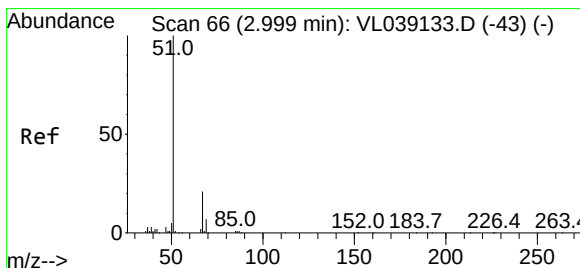
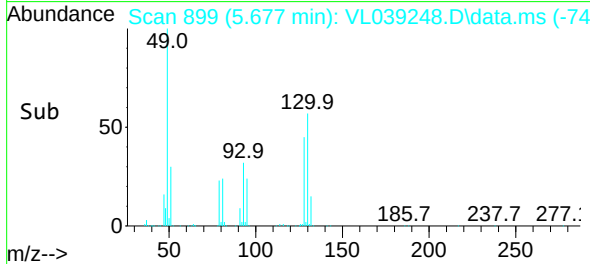
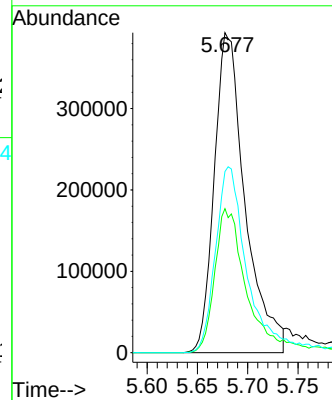
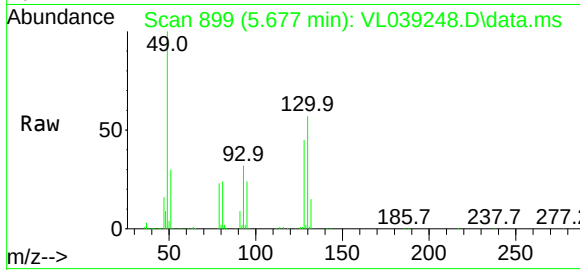




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.677 min Scan# 89
Delta R.T. 0.003 min
Lab File: VL039248.D
Acq: 8 Jun 2022 23:45

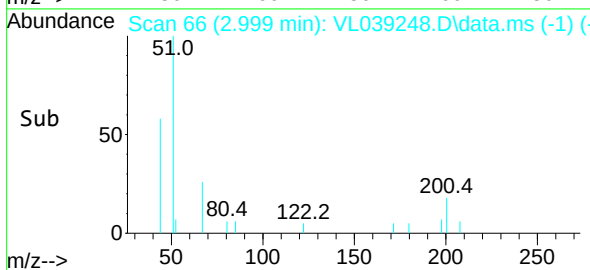
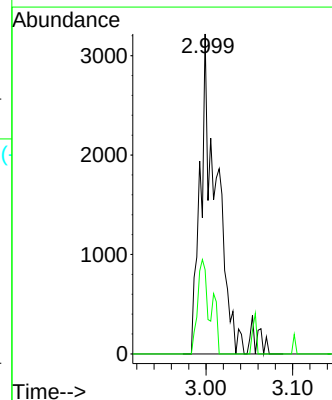
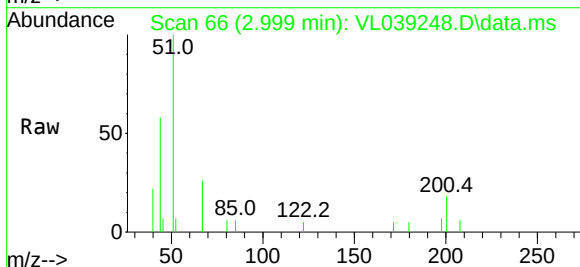
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2022

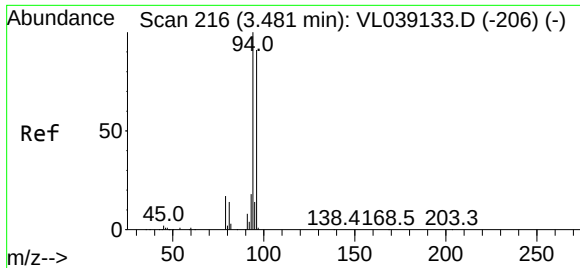
Tgt Ion: 49 Resp: 838782
Ion Ratio Lower Upper
49 100
128 48.5 24.7 74.1
130 63.4 31.4 94.0



#3
Chlorodifluoromethane
Concen: 0.041 ppbv
RT: 2.999 min Scan# 66
Delta R.T. 0.000 min
Lab File: VL039248.D
Acq: 8 Jun 2022 23:45

Tgt Ion: 51 Resp: 4371
Ion Ratio Lower Upper
51 100
67 22.2 16.2 24.4

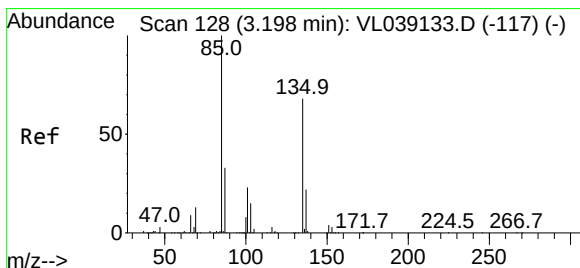
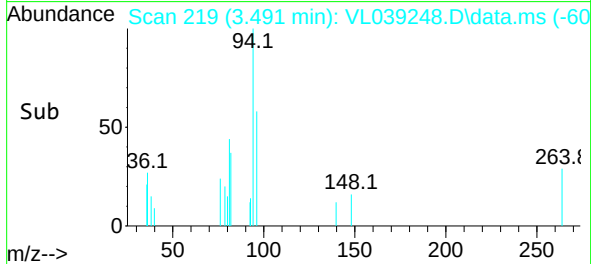
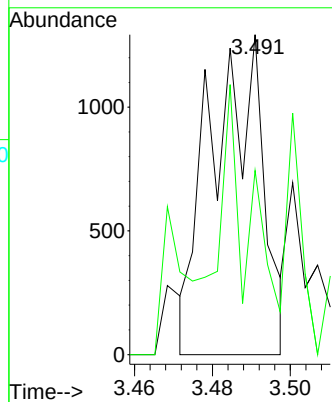
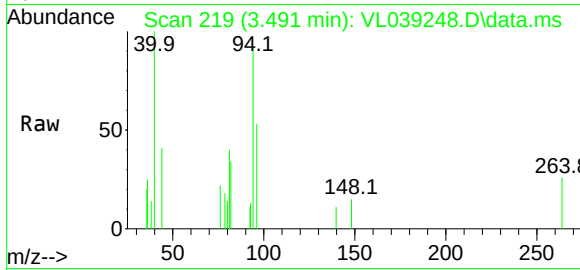




#6
Bromomethane
Concen: 0.047 ppbv
RT: 3.491 min Scan# 216
Delta R.T. 0.010 min
Lab File: VL039248.D
Acq: 8 Jun 2022 23:45

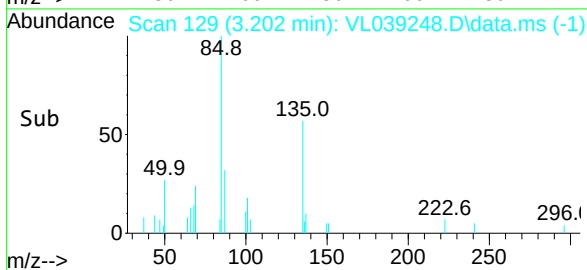
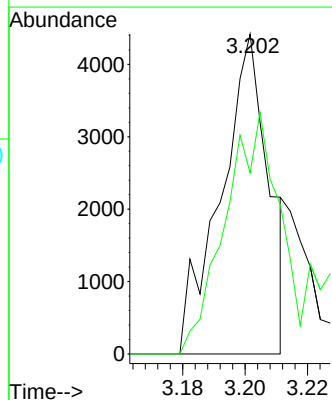
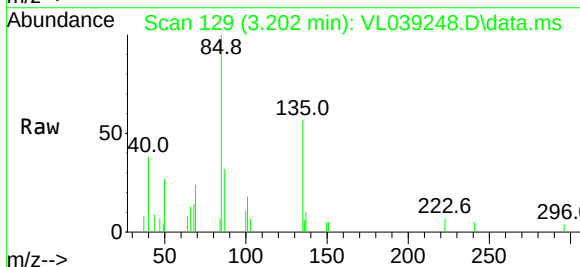
Instrument : MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT2-2022

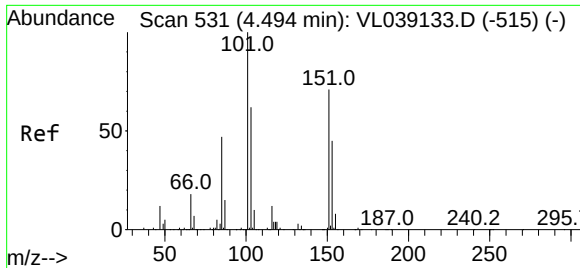
Tgt Ion: 94 Resp: 1194
Ion Ratio Lower Upper
94 100
96 54.1 73.0 109.4#



#8
Dichlorotetrafluoroethane
Concen: 0.035 ppbv
RT: 3.202 min Scan# 129
Delta R.T. 0.003 min
Lab File: VL039248.D
Acq: 8 Jun 2022 23:45

Tgt Ion: 85 Resp: 4710
Ion Ratio Lower Upper
85 100
135 115.5 55.0 82.4#

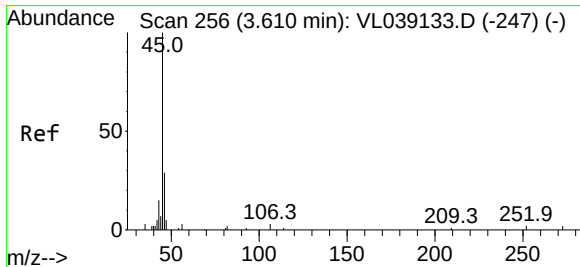
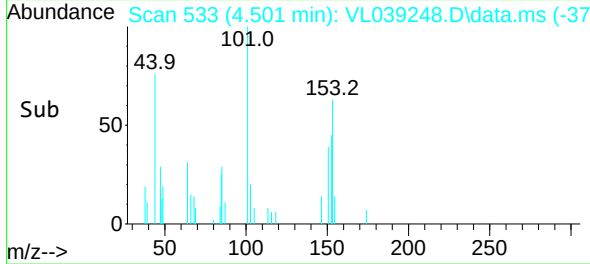
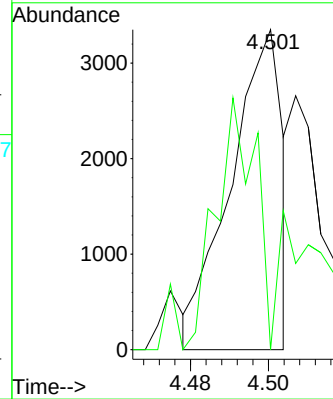
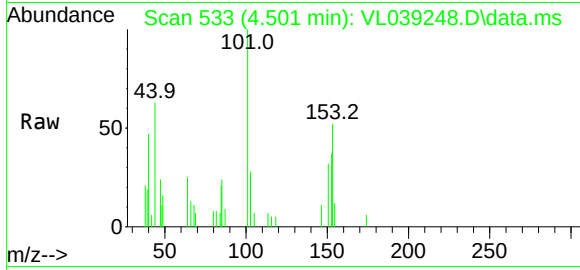




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.035 ppbv
RT: 4.501 min Scan# 51
Delta R.T. 0.006 min
Lab File: VL039248.D
Acq: 8 Jun 2022 23:45

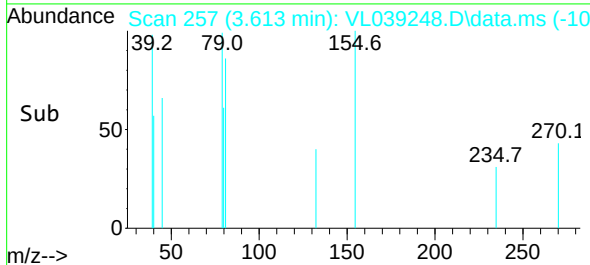
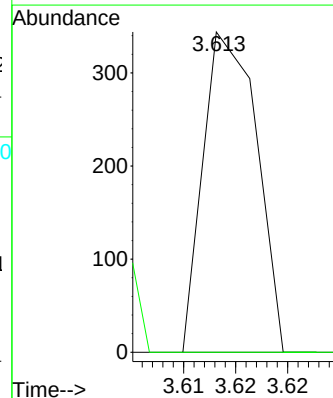
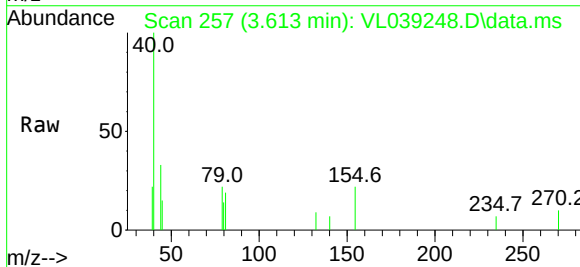
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2022

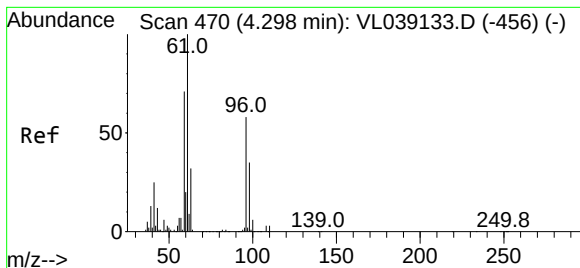
Tgt Ion:101 Resp: 3068
Ion Ratio Lower Upper
101 100
151 108.5 59.4 89.0#



#13
Ethanol
Concen: 0.048 ppbv
RT: 3.613 min Scan# 257
Delta R.T. 0.003 min
Lab File: VL039248.D
Acq: 8 Jun 2022 23:45

Tgt Ion: 45 Resp: 123
Ion Ratio Lower Upper
45 100
46 119.5 0.0 0.0#





#18

1,1-Dichloroethene

Concen: 0.043 ppbv

RT: 4.298 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL039248.D

Acq: 8 Jun 2022 23:45

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2022

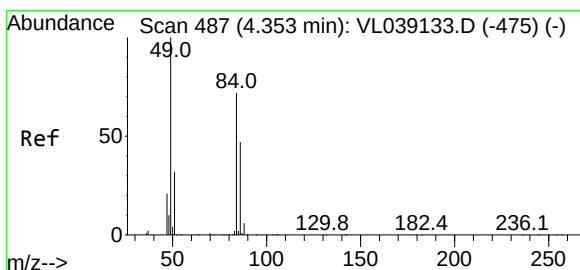
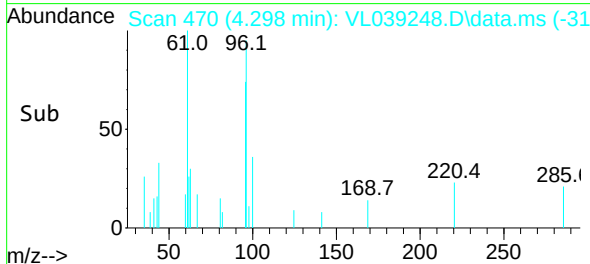
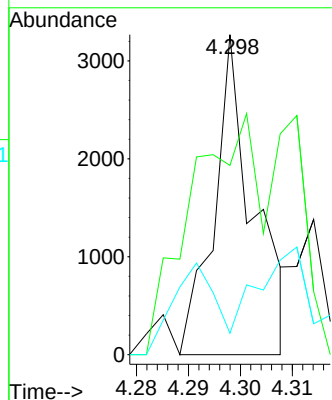
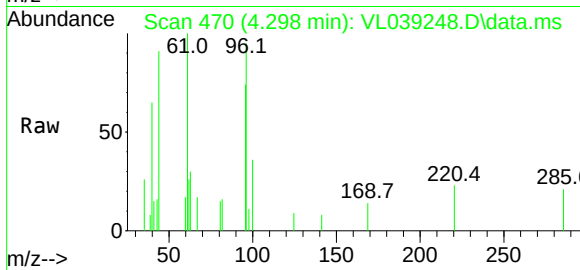
Tgt Ion: 96 Resp: 1718

Ion Ratio Lower Upper

96 100

61 29.3 138.4 207.6#

98 0.0 47.8 71.8#



#20

Methylene Chloride

Concen: 0.119 ppbv

RT: 4.353 min Scan# 487

Delta R.T. 0.000 min

Lab File: VL039248.D

Acq: 8 Jun 2022 23:45

Tgt Ion: 84 Resp: 4395

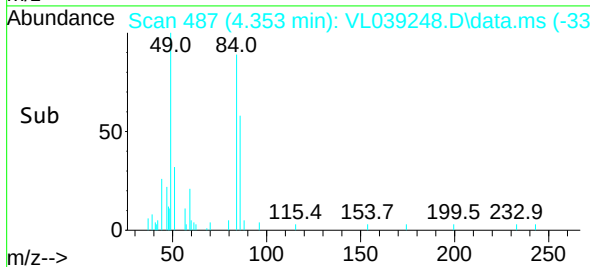
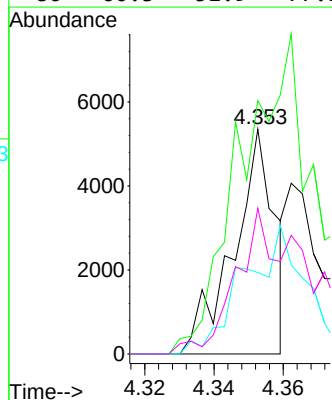
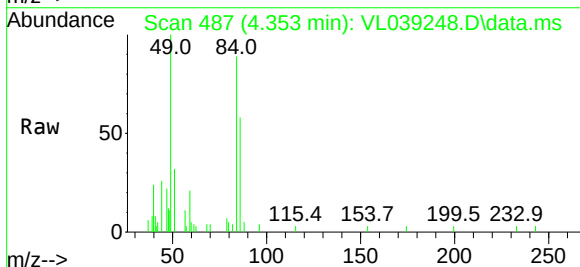
Ion Ratio Lower Upper

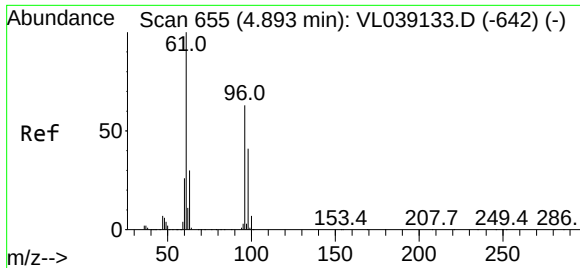
84 100

49 105.8 111.1 166.7#

51 36.2 35.3 52.9

86 60.3 51.9 77.9





#22

trans-1,2-Dichloroethene

Concen: 0.037 ppbv

RT: 4.899 min Scan# 61

Delta R.T. 0.006 min

Lab File: VL039248.D

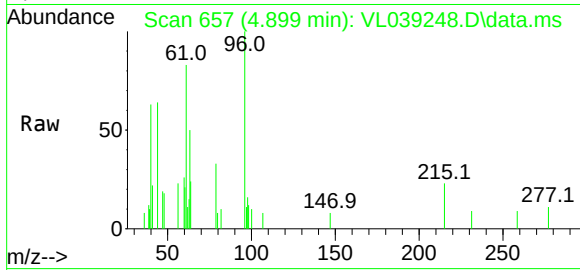
Acq: 8 Jun 2022 23:45

Instrument :

MSVOA_1

ClientSampleId :

LOD-MDL-AIR-01-QT2-2022



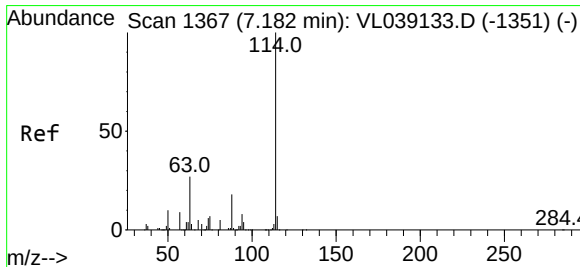
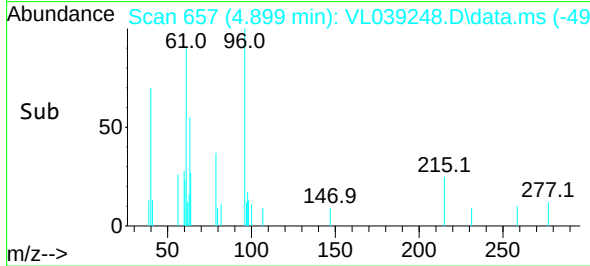
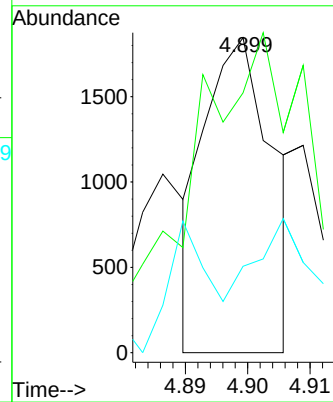
Tgt Ion: 96 Resp: 1396

Ion Ratio Lower Upper

96 100

61 95.8 126.6 190.0#

98 0.0 52.5 78.7#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.185 min Scan# 1368

Delta R.T. 0.003 min

Lab File: VL039248.D

Acq: 8 Jun 2022 23:45

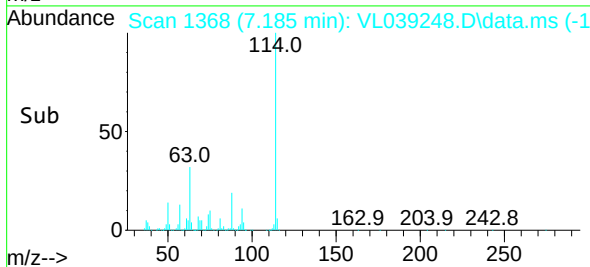
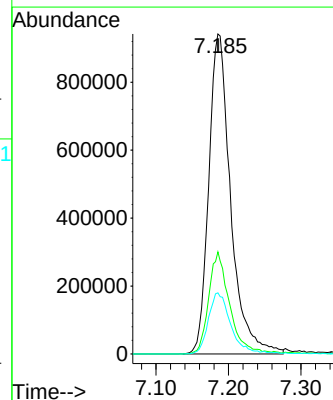
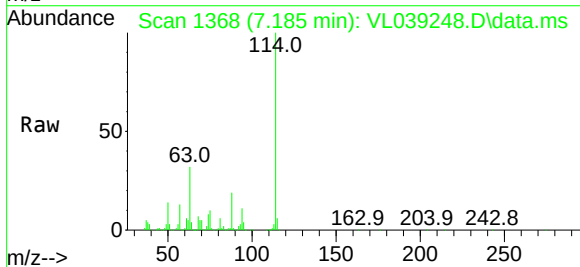
Tgt Ion: 114 Resp: 1980796

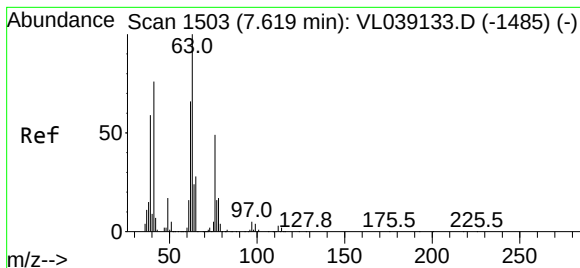
Ion Ratio Lower Upper

114 100

63 31.1 21.7 32.5

88 19.6 14.8 22.2





#39

1,2-Dichloropropane

Concen: 9.191 ppbv

RT: 7.185 min Scan# 11

Delta R.T. -0.434 min

Lab File: VL039248.D

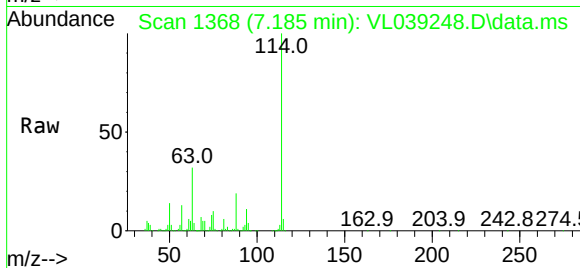
Acq: 8 Jun 2022 23:45

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2022



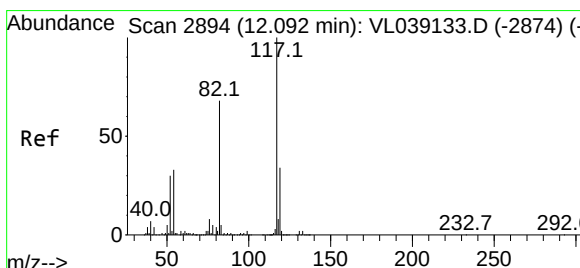
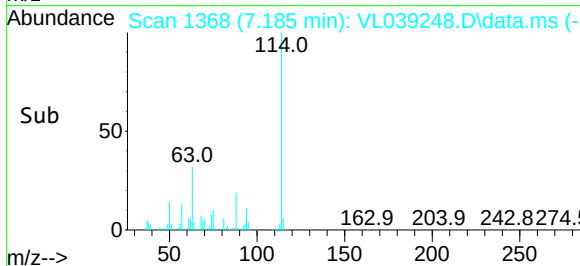
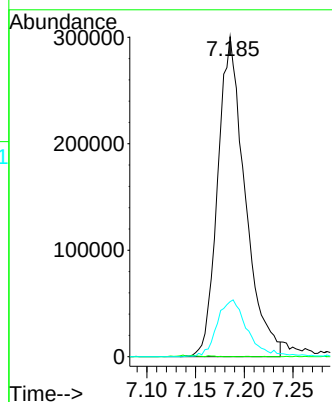
Tgt Ion: 63 Resp: 587868

Ion Ratio Lower Upper

63 100

41 0.0 60.8 91.2#

62 17.2 52.9 79.3#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.098 min Scan# 2896

Delta R.T. 0.006 min

Lab File: VL039248.D

Acq: 8 Jun 2022 23:45

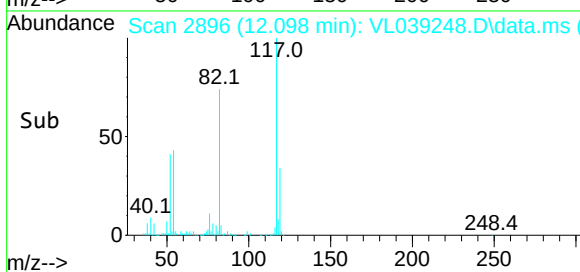
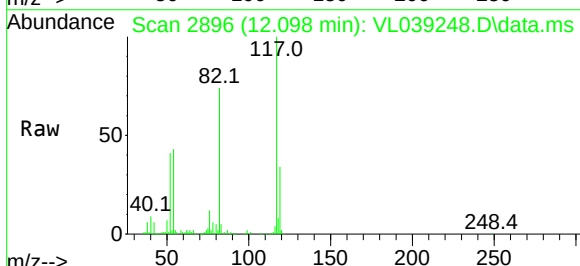
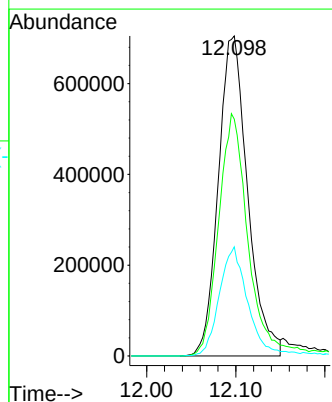
Tgt Ion: 117 Resp: 1614004

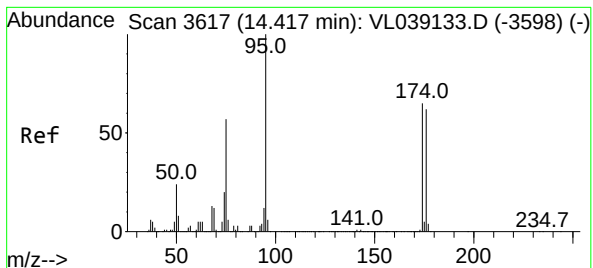
Ion Ratio Lower Upper

117 100

82 78.2 55.1 82.7

119 34.2 24.7 37.1





#68

1-Bromo-4-Fluorobenzene

Concen: 11.079 ppbv

RT: 14.426 min Scan# 30

Delta R.T. 0.010 min

Lab File: VL039248.D

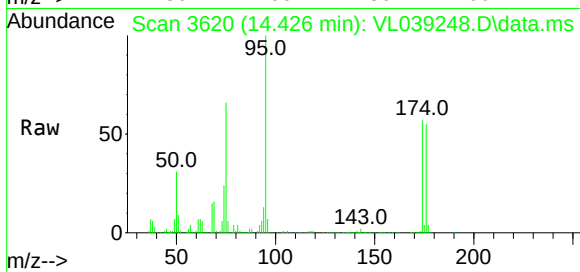
Acq: 8 Jun 2022 23:45

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Tgt Ion: 95 Resp: 1478340

Ion Ratio Lower Upper

95 100

174 57.6 53.8 80.8

175 4.5 4.1 6.1

