

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060822\
 Data File : VL039247.D
 Acq On : 8 Jun 2022 23:05
 Operator : SY/AP
 Sample : N3214-13 0.03 LOD
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Jun 09 06:44:05 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)

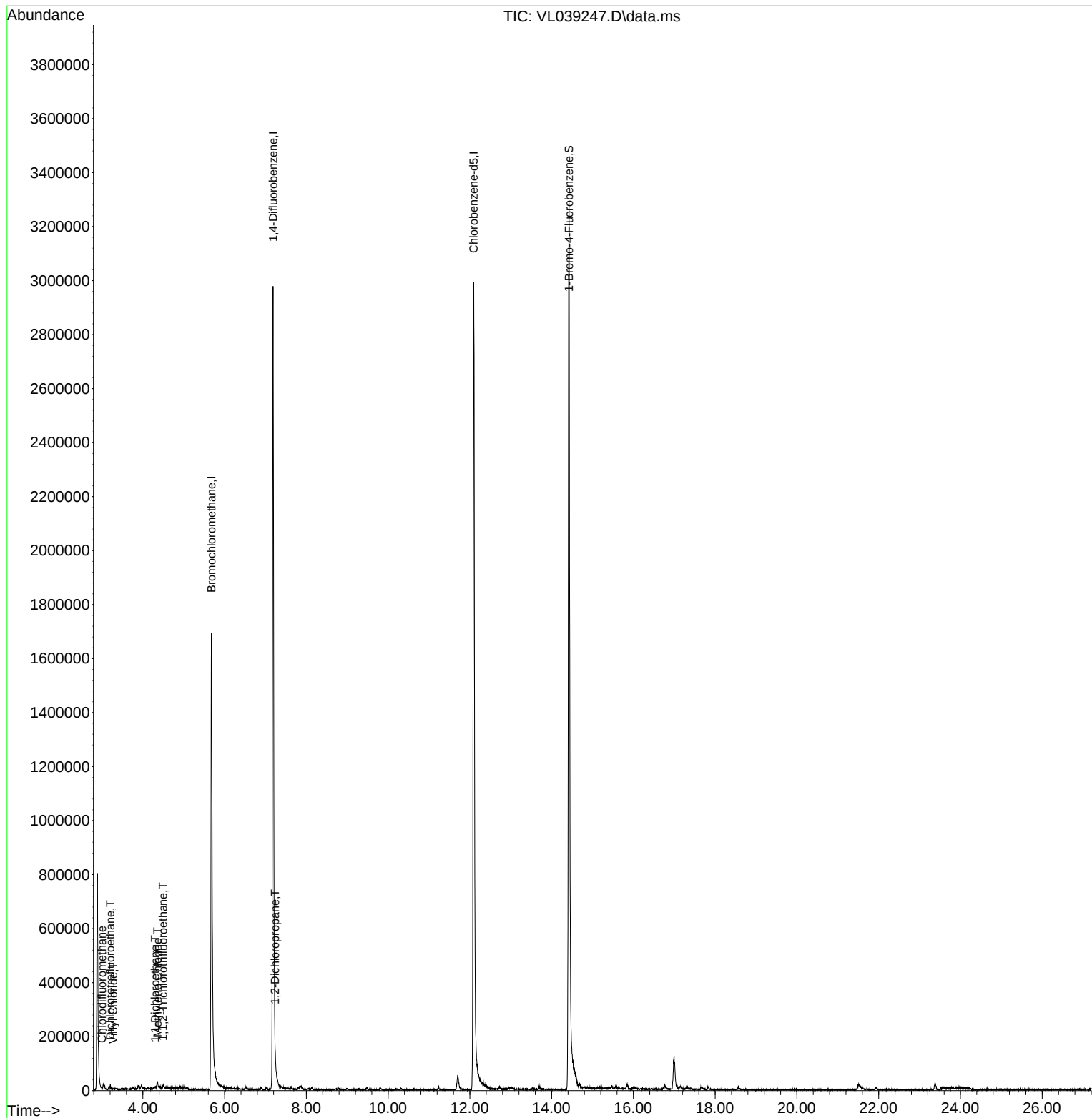
Internal Standards						
1) Bromochloromethane	5.677	49	919340	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.185	114	2071718	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.092	117	1703970	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.423	95	1530777	10.866	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.700%
Target Compounds						
						Qvalue
3) Chlorodifluoromethane	3.002	51	4200	0.036	ppbv	95
5) Vinyl Chloride	3.272	62	1921	0.034	ppbv #	44
8) Dichlorotetrafluoroethane	3.205	85	5409	0.037	ppbv #	80
12) 1,1,2-Trichlorotrifluo...	4.494	101	3835	0.040	ppbv #	67
18) 1,1-Dichloroethene	4.304	96	1484	0.034	ppbv #	38
20) Methylene Chloride	4.356	84	5778	0.143	ppbv #	88
39) 1,2-Dichloropropane	7.237	63	11417	0.171	ppbv #	22

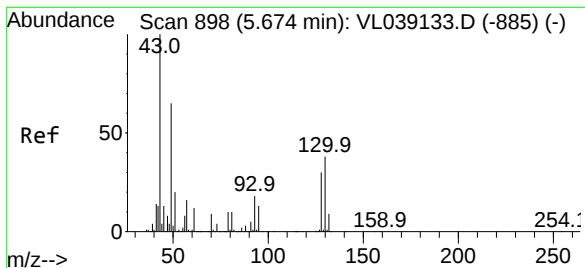
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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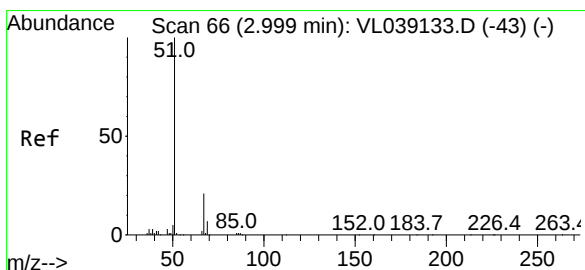
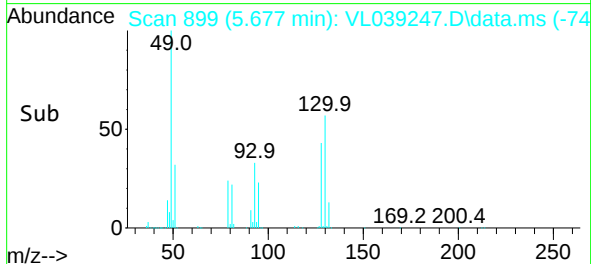
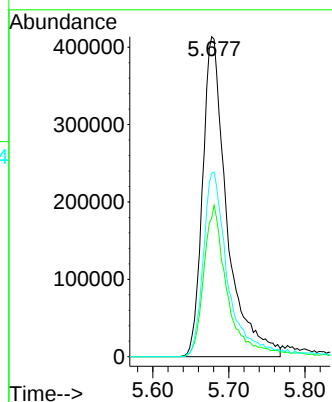
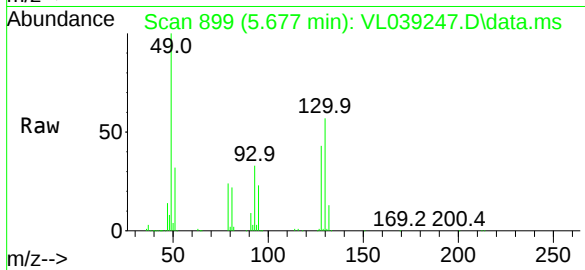




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.677 min Scan# 89
Delta R.T. 0.003 min
Lab File: VL039247.D
Acq: 8 Jun 2022 23:05

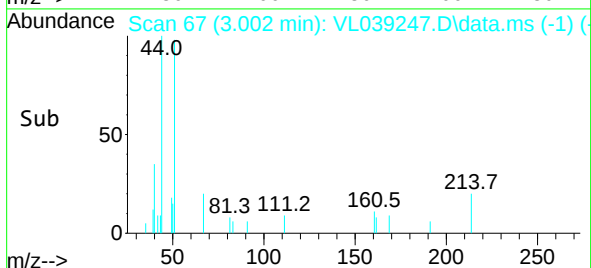
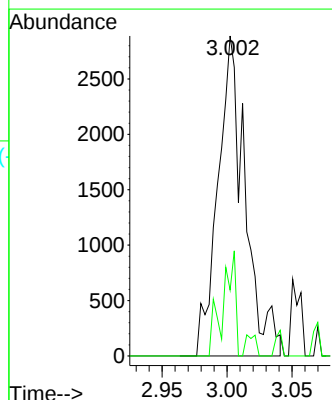
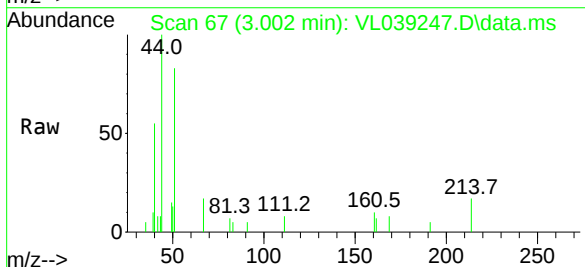
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2022

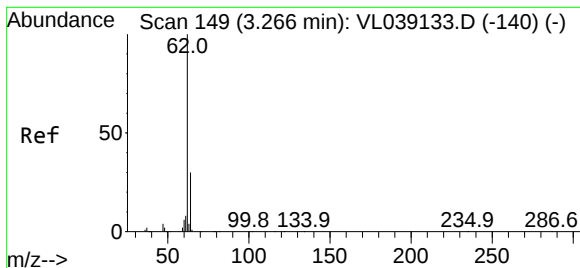
Tgt Ion: 49 Resp: 919340
Ion Ratio Lower Upper
49 100
128 46.7 24.7 74.1
130 59.1 31.4 94.0



#3
Chlorodifluoromethane
Concen: 0.036 ppbv
RT: 3.002 min Scan# 67
Delta R.T. 0.003 min
Lab File: VL039247.D
Acq: 8 Jun 2022 23:05

Tgt Ion: 51 Resp: 4200
Ion Ratio Lower Upper
51 100
67 17.8 16.2 24.4

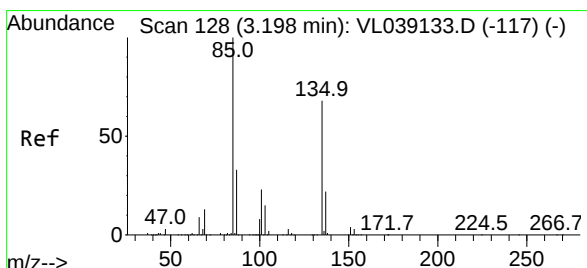
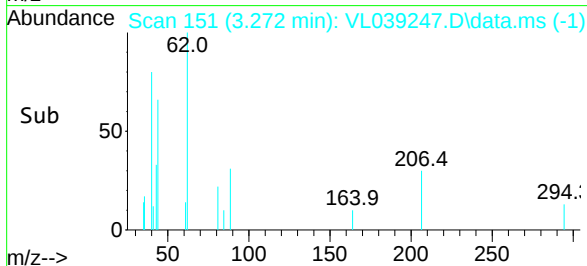
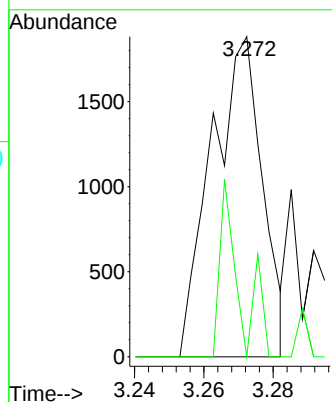
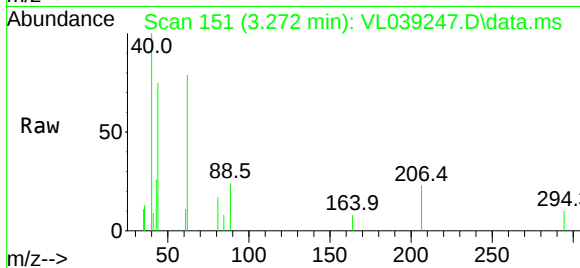




#5
 Vinyl Chloride
 Concen: 0.034 ppbv
 RT: 3.272 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VL039247.D
 Acq: 8 Jun 2022 23:05

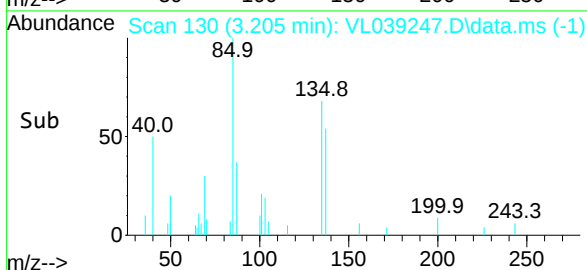
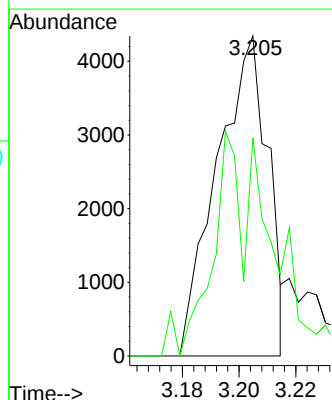
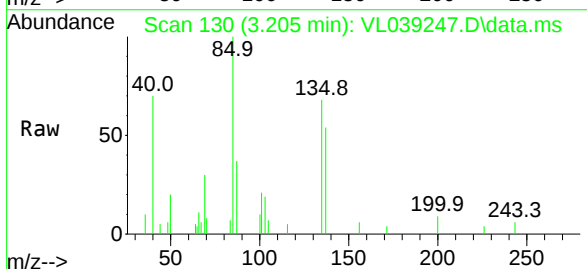
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2022

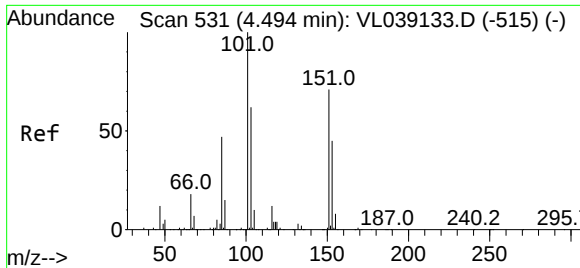
Tgt Ion: 62 Resp: 1921
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.2 36.2#



#8
 Dichlorotetrafluoroethane
 Concen: 0.037 ppbv
 RT: 3.205 min Scan# 130
 Delta R.T. 0.006 min
 Lab File: VL039247.D
 Acq: 8 Jun 2022 23:05

Tgt Ion: 85 Resp: 5409
 Ion Ratio Lower Upper
 85 100
 135 85.3 55.0 82.4#

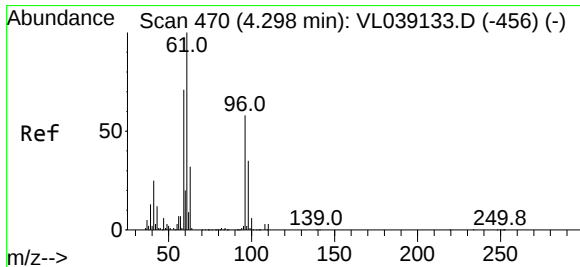
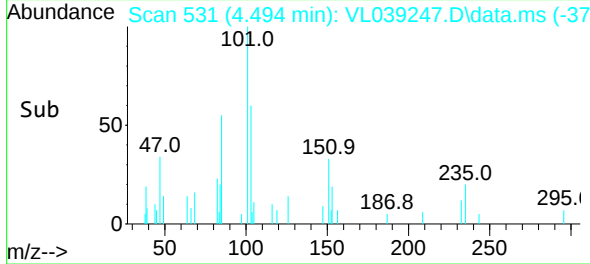
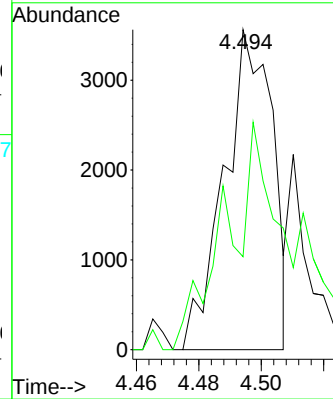
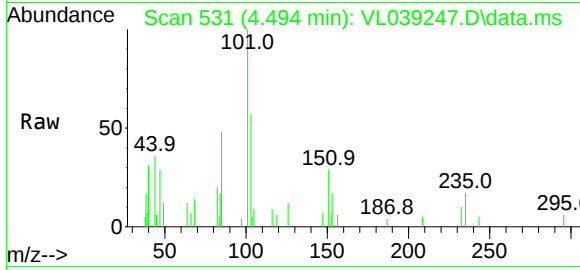




#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.040 ppbv
 RT: 4.494 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VL039247.D
 Acq: 8 Jun 2022 23:05

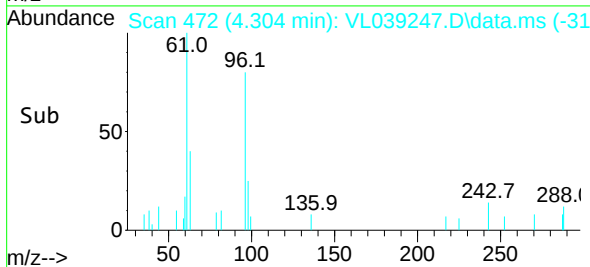
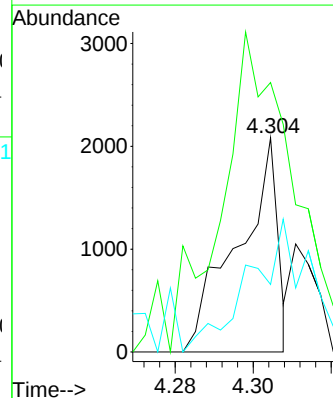
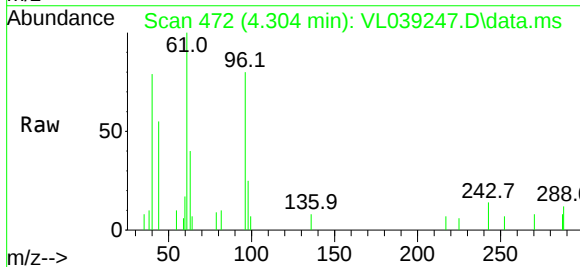
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2022

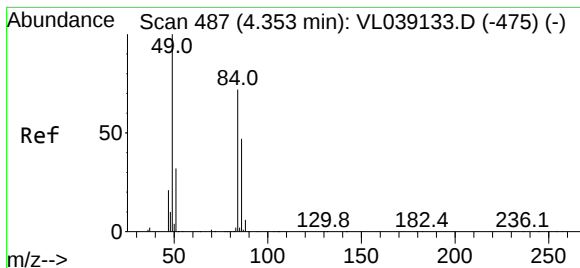
Tgt Ion:101 Resp: 3835
 Ion Ratio Lower Upper
 101 100
 151 102.4 59.4 89.0#



#18
 1,1-Dichloroethene
 Concen: 0.034 ppbv
 RT: 4.304 min Scan# 472
 Delta R.T. 0.006 min
 Lab File: VL039247.D
 Acq: 8 Jun 2022 23:05

Tgt Ion: 96 Resp: 1484
 Ion Ratio Lower Upper
 96 100
 61 76.2 138.4 207.6#
 98 31.5 47.8 71.8#





#20

Methylene Chloride

Concen: 0.143 ppbv

RT: 4.356 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL039247.D

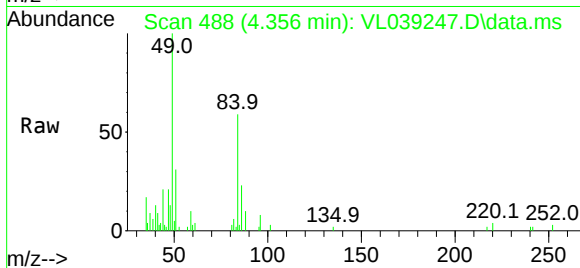
Acq: 8 Jun 2022 23:05

Instrument :

MSVOA_1

ClientSampleId :

LOD-MDL-AIR-01-QT2-2022



Tgt Ion: 84 Resp: 5778

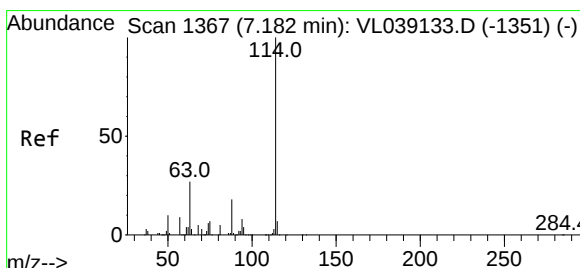
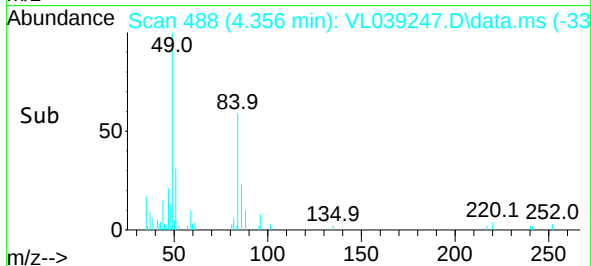
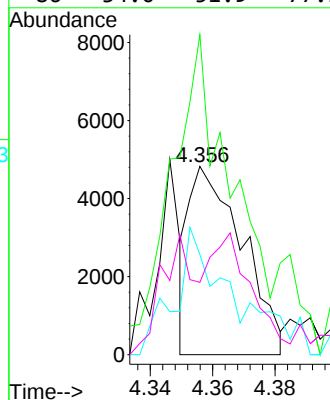
Ion Ratio Lower Upper

84 100

49 138.3 111.1 166.7

51 37.3 35.3 52.9

86 34.0 51.9 77.9#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.185 min Scan# 1368

Delta R.T. 0.003 min

Lab File: VL039247.D

Acq: 8 Jun 2022 23:05

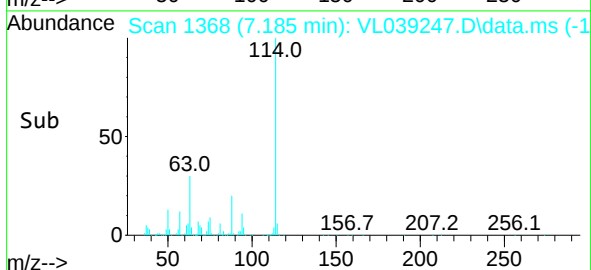
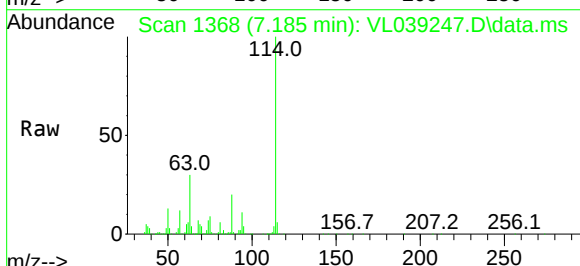
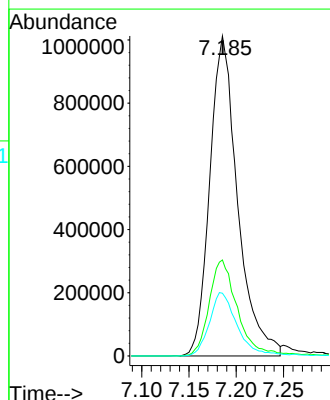
Tgt Ion: 114 Resp: 2071718

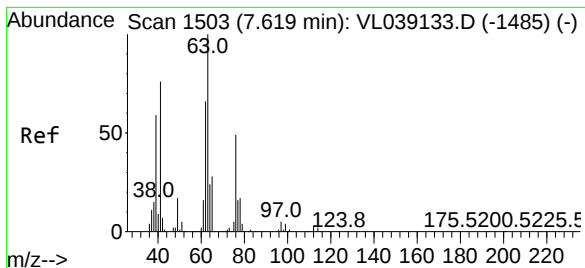
Ion Ratio Lower Upper

114 100

63 31.3 21.7 32.5

88 20.2 14.8 22.2





#39

1,2-Dichloropropane

Concen: 0.171 ppbv

RT: 7.237 min Scan# 11417

Delta R.T. -0.383 min

Lab File: VL039247.D

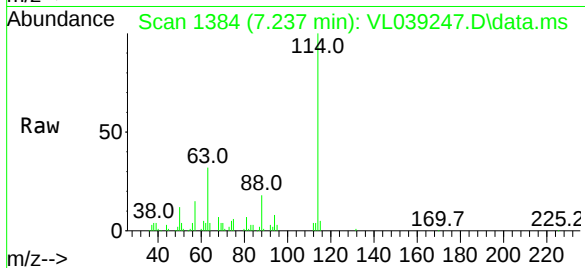
Acq: 8 Jun 2022 23:05

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2022



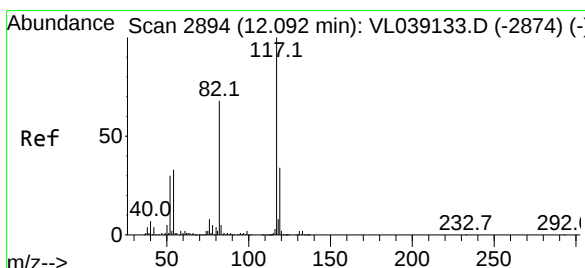
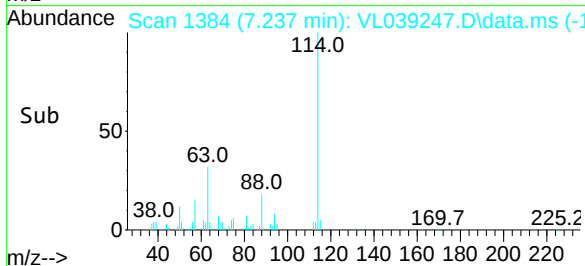
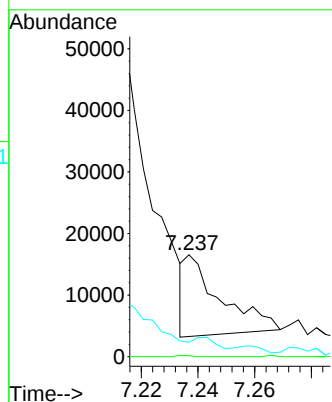
Tgt Ion: 63 Resp: 11417

Ion Ratio Lower Upper

63 100

41 1.2 60.8 91.2#

62 13.1 52.9 79.3#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.092 min Scan# 2894

Delta R.T. 0.000 min

Lab File: VL039247.D

Acq: 8 Jun 2022 23:05

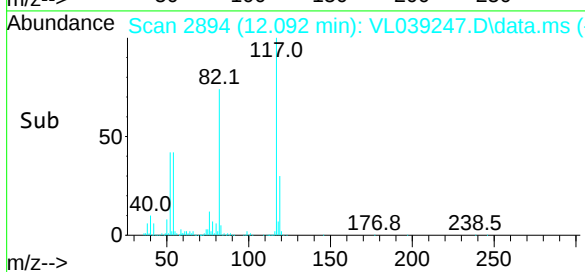
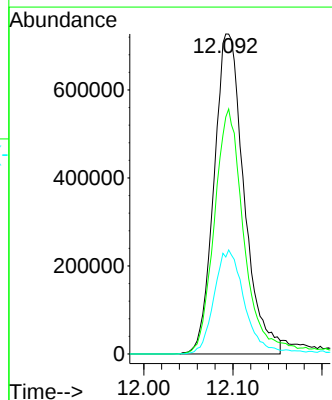
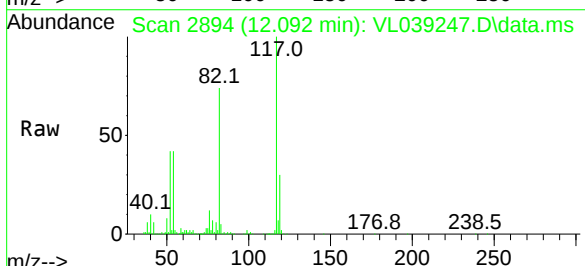
Tgt Ion: 117 Resp: 1703970

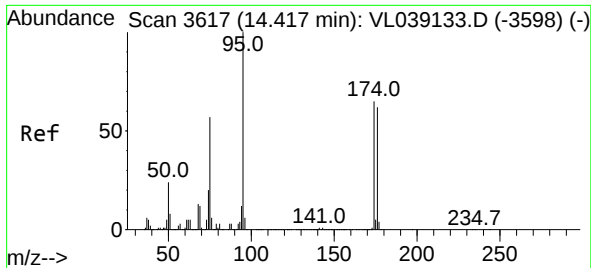
Ion Ratio Lower Upper

117 100

82 78.1 55.1 82.7

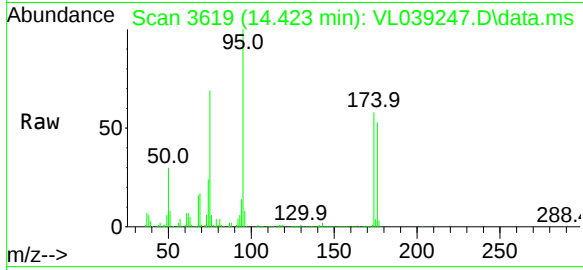
119 33.7 24.7 37.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.866 ppbv
 RT: 14.423 min Scan# 30
 Delta R.T. 0.006 min
 Lab File: VL039247.D
 Acq: 8 Jun 2022 23:05

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



Tgt Ion: 95 Resp: 1530777

Ion	Ratio	Lower	Upper
95	100		
174	58.5	53.8	80.8
175	4.4	4.1	6.1

