

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100721\
 Data File : VL037821.D
 Acq On : 8 Oct 2021 7:32
 Operator : SY/AP
 Sample : M4079-12DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P12DL

Quant Time: Oct 08 10:11:02 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 04 17:43:54 2021
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1375633	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	3919582	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.07	117	3430617	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2411549	10.05	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

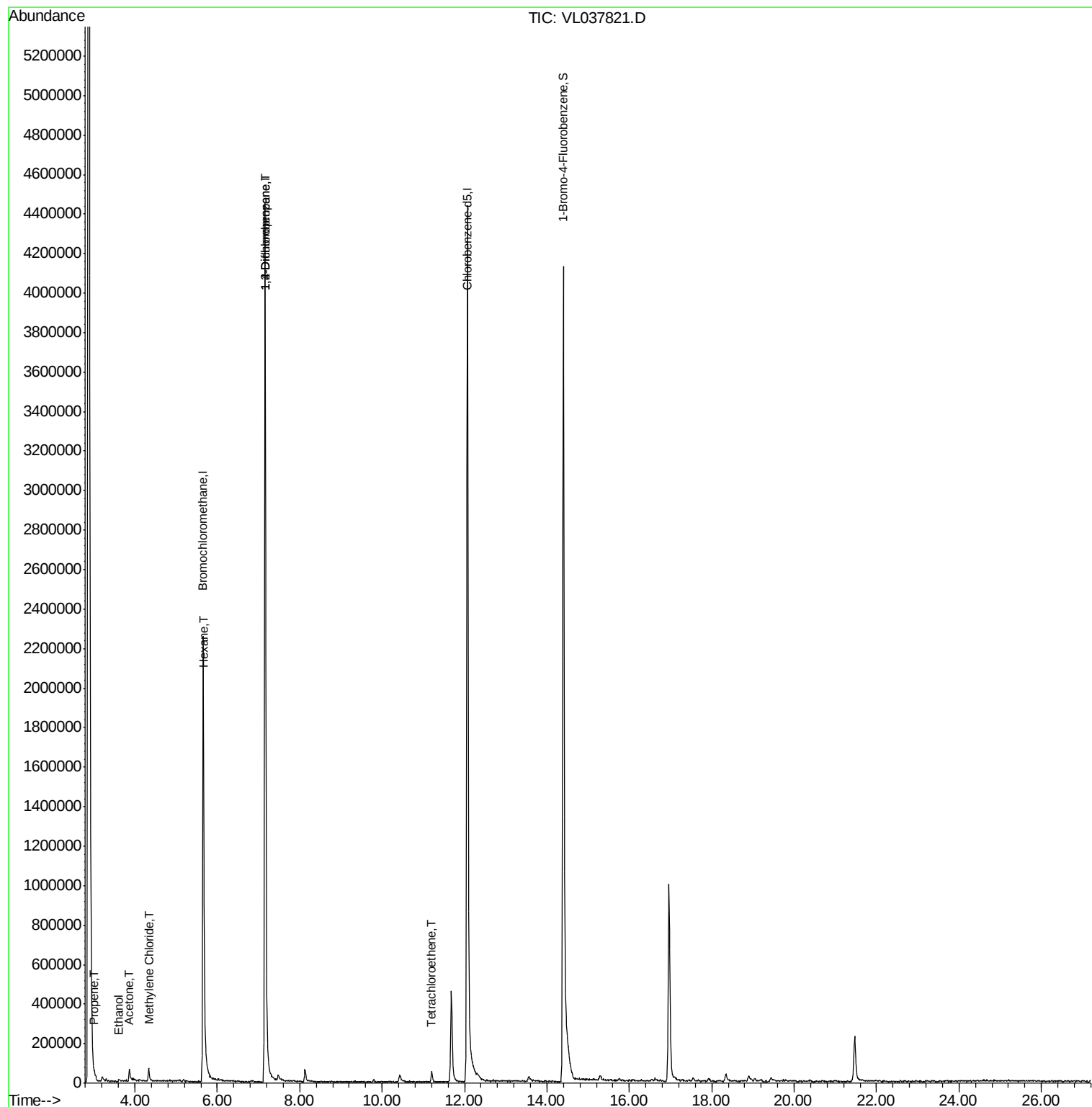
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.01	41	9369	0.096	ppbv	96
13) Ethanol	3.61	45	3088	0.388	ppbv #	27
15) Acetone	3.86	43	26153	0.212	ppbv #	46
20) Methylene Chloride	4.33	84	19766	0.317	ppbv #	89
26) Hexane	5.67	57	16752	0.098	ppbv #	53
39) 1,2-Dichloropropane	7.16	63	910944	7.234	ppbv #	28
52) Tetrachloroethene	11.21	164	7972	0.061	ppbv #	72

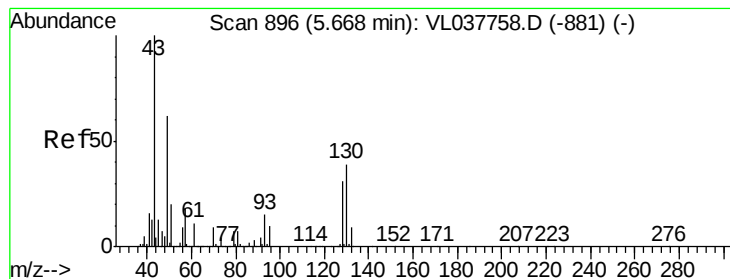
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

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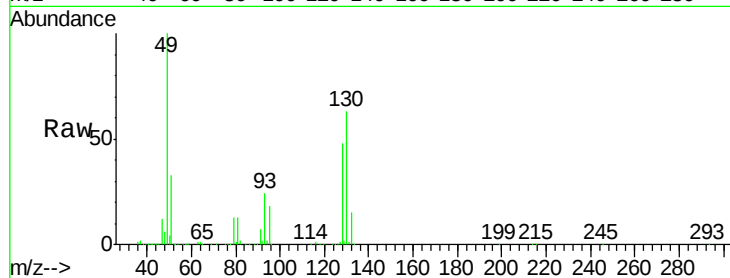
Tgt Ion: 49 Resp: 1375633

Ion Ratio Lower Upper

49 100

128 53.4 27.1 81.3

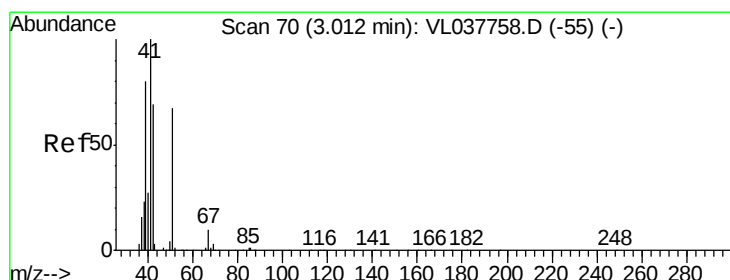
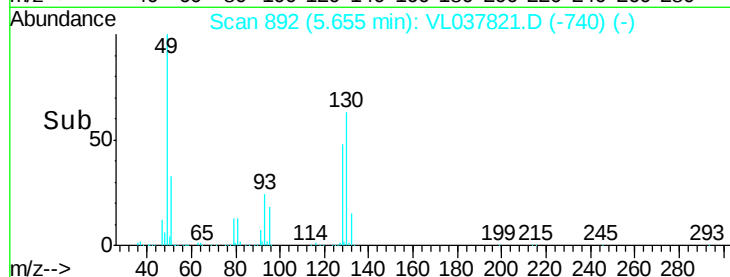
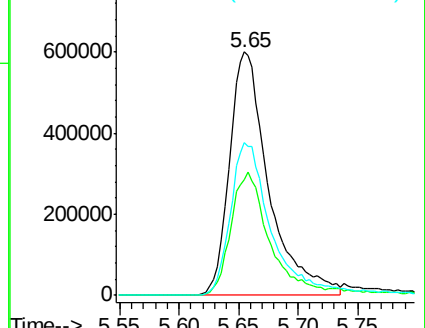
130 67.1 33.2 99.6



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.096 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL037821.D

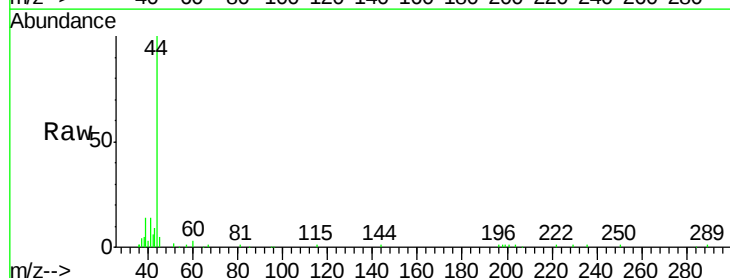
Acq: 8 Oct 2021 7:32

Tgt Ion: 41 Resp: 9369

Ion Ratio Lower Upper

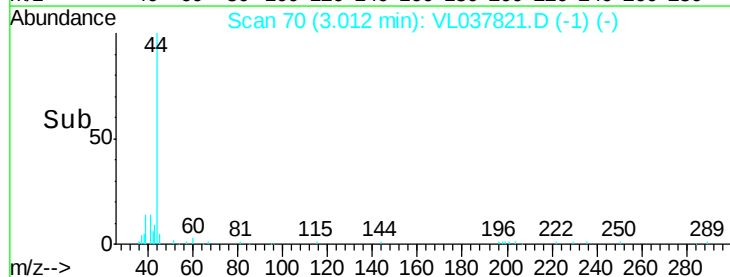
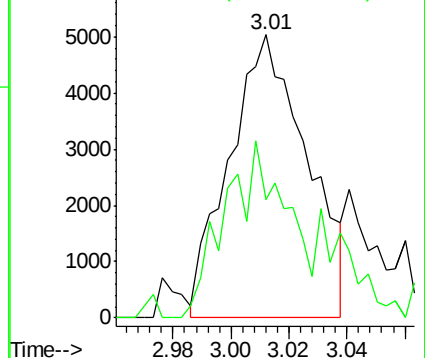
41 100

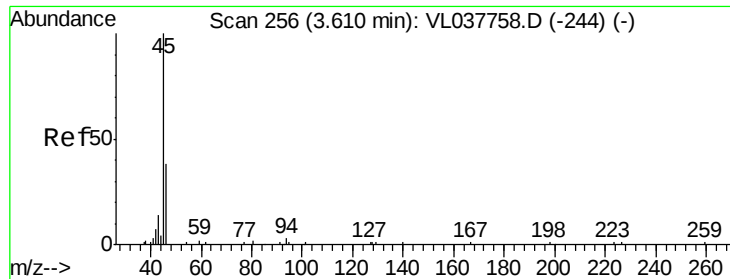
42 70.7 54.2 81.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 0.388 ppbv

RT: 3.61 min Scan# 255

Delta R.T. -0.00 min

Lab File: VL037821.D

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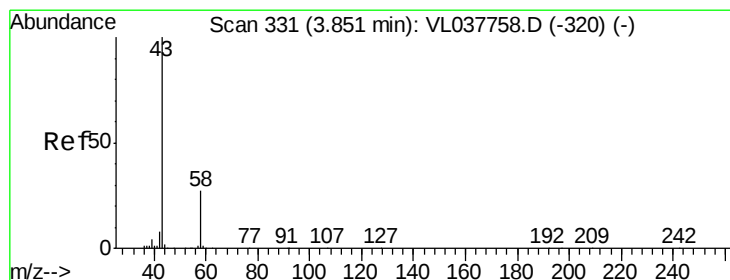
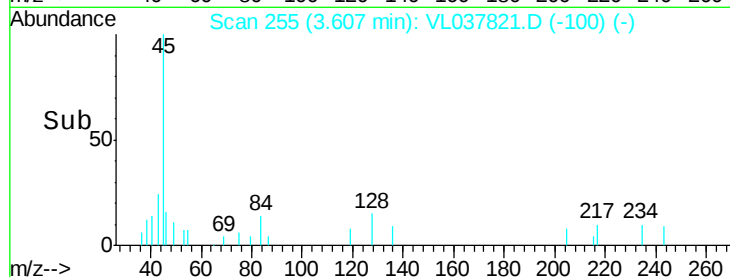
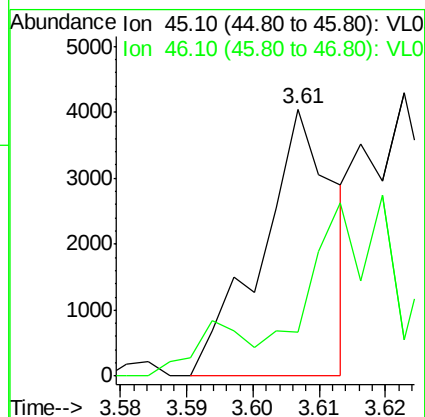
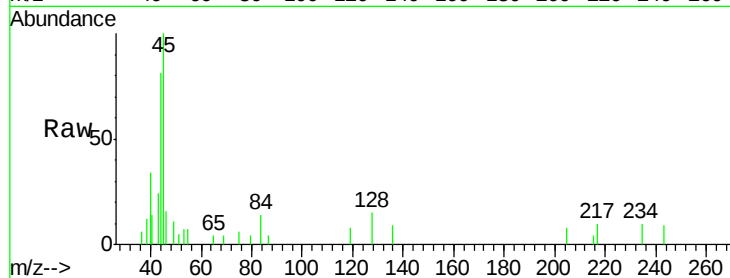
C0P12DL

Tgt Ion: 45 Resp: 3088

Ion Ratio Lower Upper

45 100

46 0.0 20.2 81.0#



#15

Acetone

Concen: 0.212 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.01 min

Lab File: VL037821.D

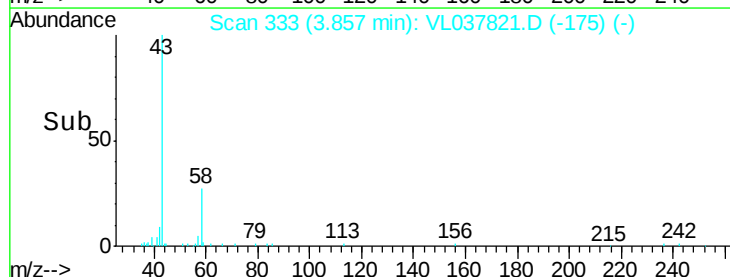
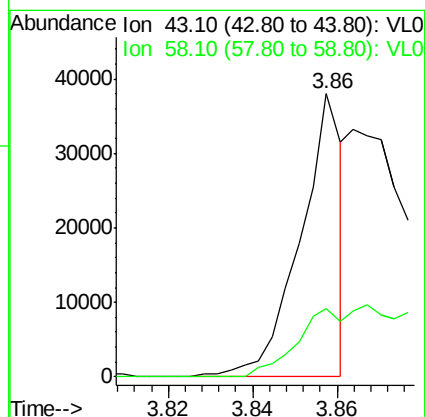
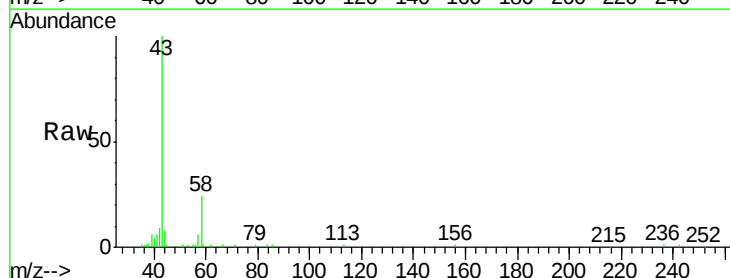
Acq: 8 Oct 2021 7:32

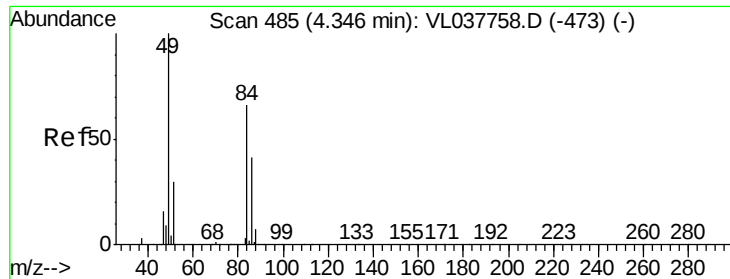
Tgt Ion: 43 Resp: 26153

Ion Ratio Lower Upper

43 100

58 0.0 23.0 34.6#

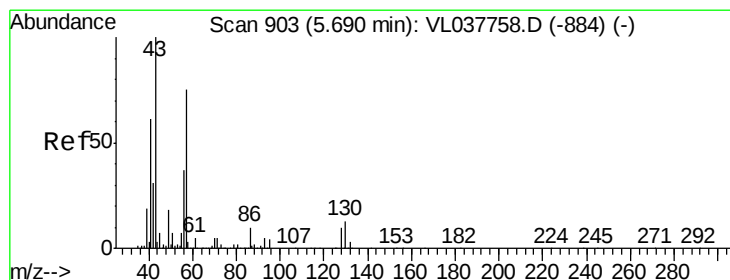
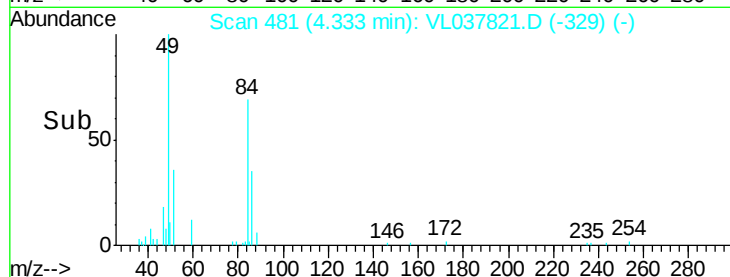
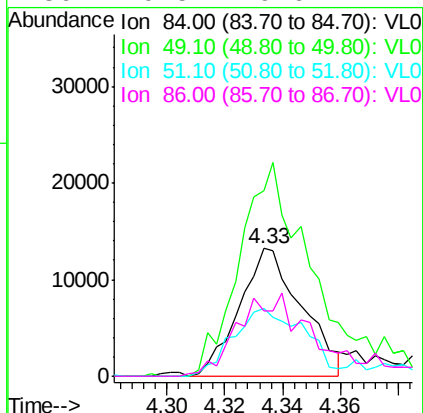
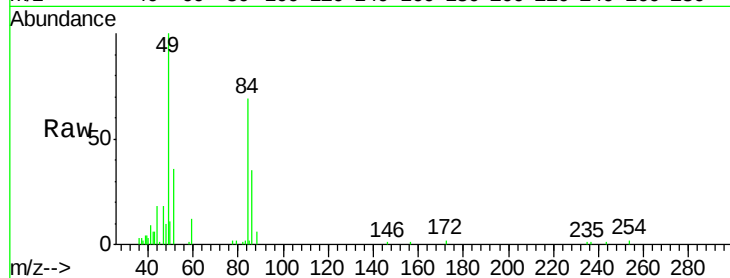




#20
Methylene Chloride
Concen: 0.317 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL037821.D
Acq: 8 Oct 2021 7:32

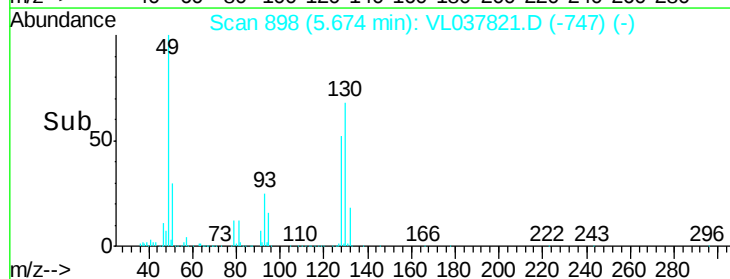
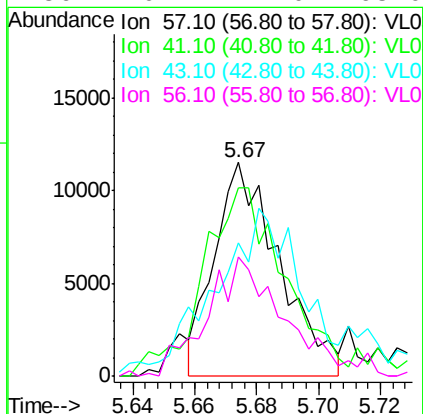
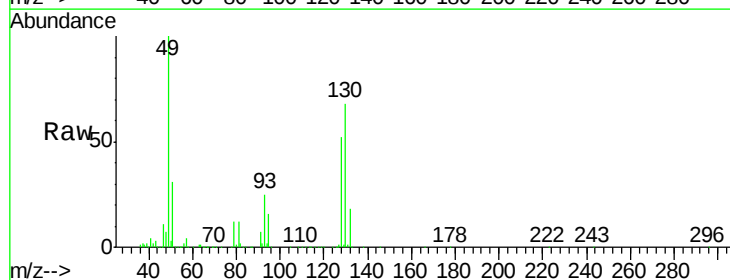
Instrument :
MSVOA_L
ClientSampleId :
C0P12DL

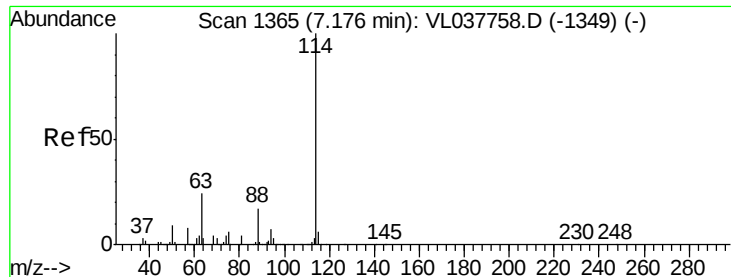
Tgt Ion: 84 Resp: 19766
Ion Ratio Lower Upper
84 100
49 161.9 120.7 181.1
51 53.1 36.2 54.4
86 49.5 49.6 74.4#



#26
Hexane
Concen: 0.098 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.02 min
Lab File: VL037821.D
Acq: 8 Oct 2021 7:32

Tgt Ion: 57 Resp: 16752
Ion Ratio Lower Upper
57 100
41 121.7 69.6 104.4#
43 124.2 171.4 257.0#
56 70.1 42.0 63.0#

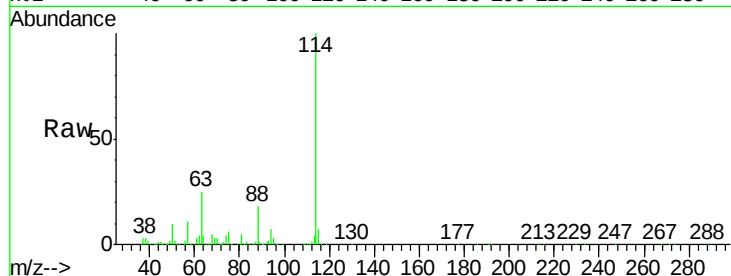




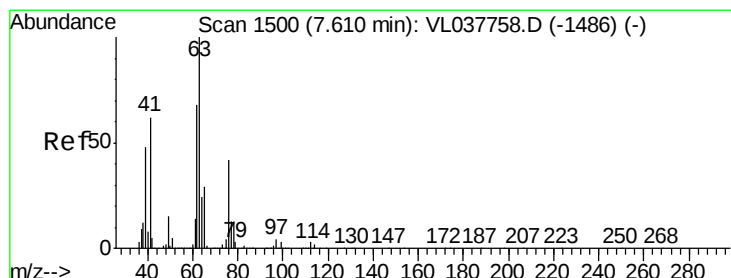
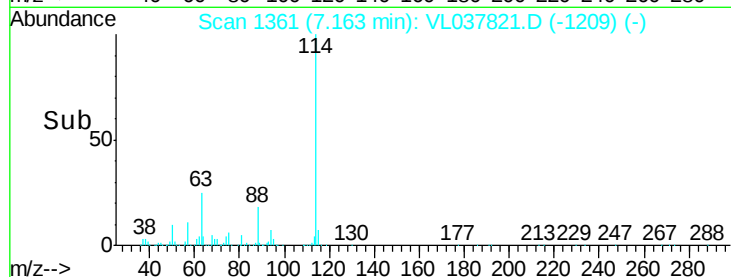
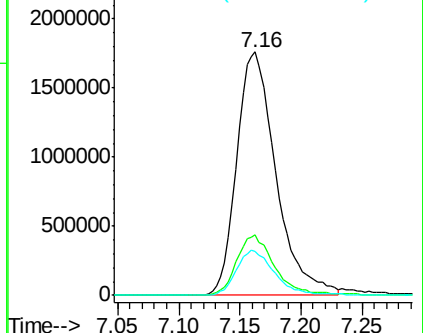
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.01 min
 Lab File: VL037821.D
 Acq: 8 Oct 2021 7:32

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P12DL

Tgt Ion: 114 Resp: 3919582
 Ion Ratio Lower Upper
 114 100
 63 24.5 19.4 29.2
 88 18.4 14.4 21.6

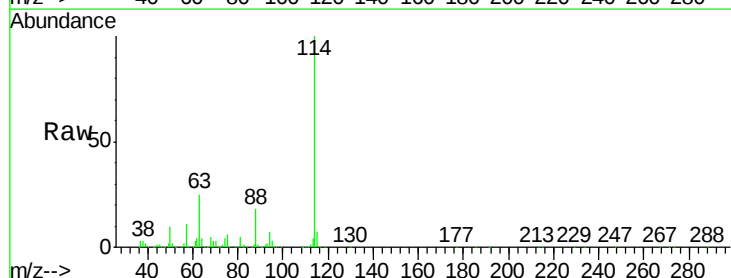


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

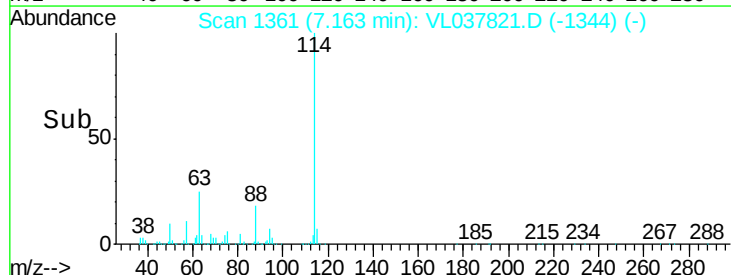
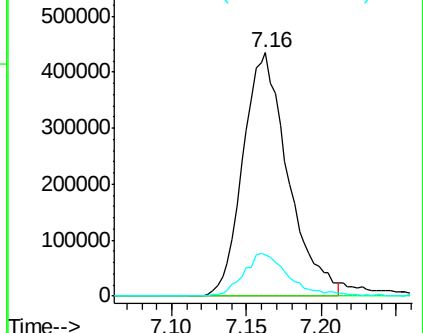


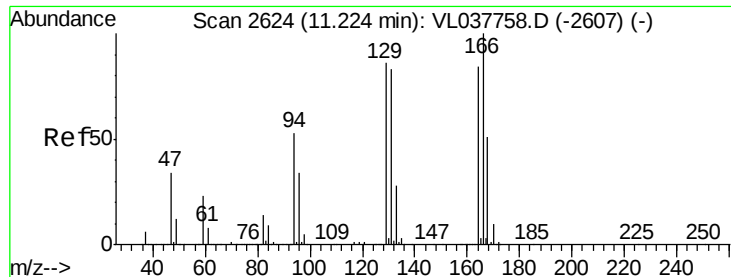
#39
 1,2-Dichloropropane
 Concen: 7.234 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.45 min
 Lab File: VL037821.D
 Acq: 8 Oct 2021 7:32

Tgt Ion: 63 Resp: 910944
 Ion Ratio Lower Upper
 63 100
 41 0.0 49.8 74.6#
 62 17.1 54.6 82.0#



Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0





#52

Tetrachloroethene

Concen: 0.061 ppbv

RT: 11.21 min Scan# 2619

Delta R.T. -0.02 min

Lab File: VL037821.D

Acq: 8 Oct 2021 7:32

Instrument :

MSVOA_L

ClientSampleId :

C0P12DL

Tgt Ion:164 Resp: 7972

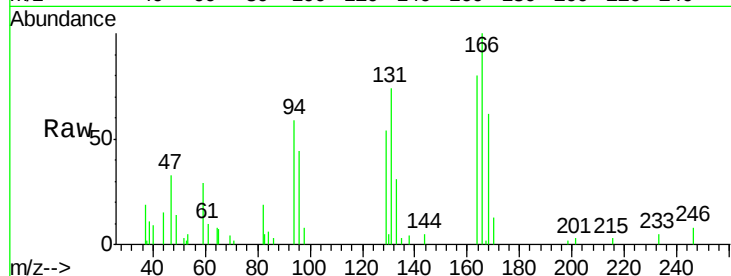
Ion Ratio Lower Upper

164 100

166 100.6 95.4 143.2

129 53.9 82.2 123.4#

131 79.2 79.4 119.2#

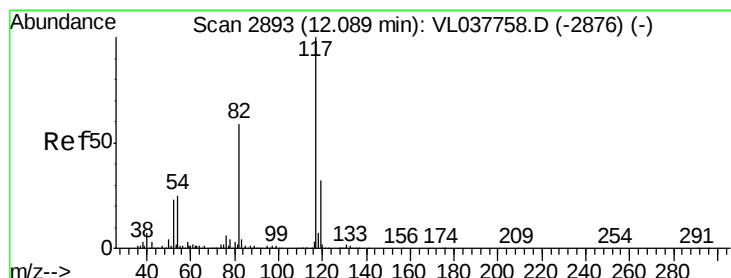
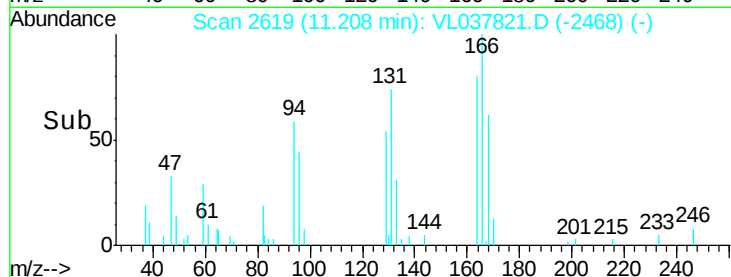
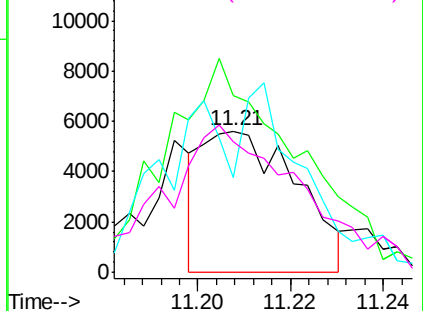


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2887

Delta R.T. -0.02 min

Lab File: VL037821.D

Acq: 8 Oct 2021 7:32

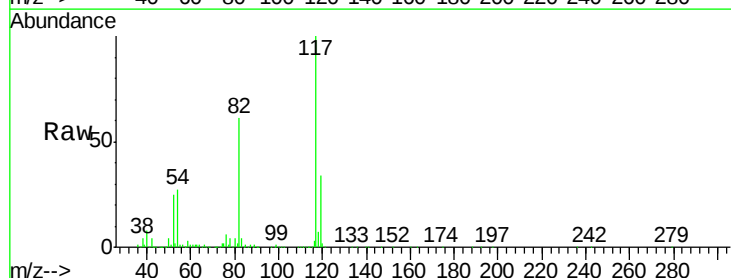
Tgt Ion:117 Resp: 3430617

Ion Ratio Lower Upper

117 100

82 64.4 52.2 78.2

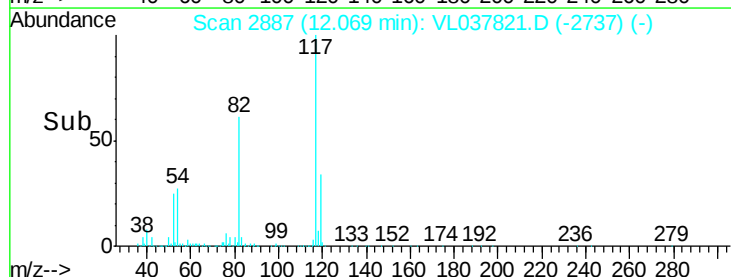
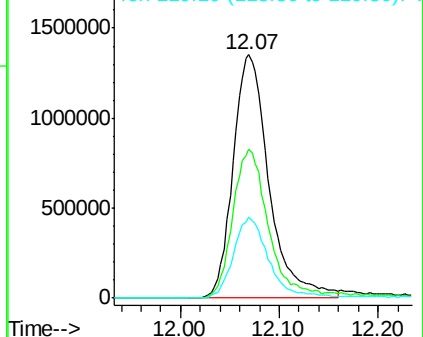
119 33.2 26.0 39.0

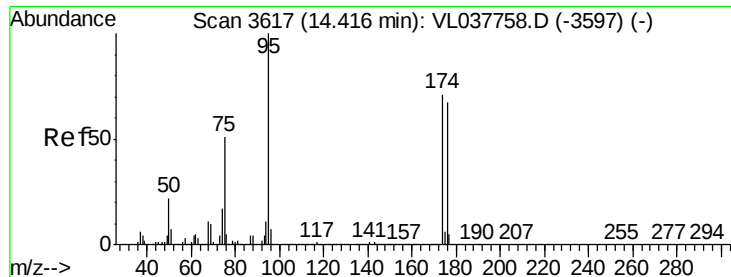


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.052 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. -0.02 min

Lab File: VL037821.D

Acq: 8 Oct 2021 7:32

Instrument :

MSVOA_L

ClientSampleId :

C0P12DL

Tgt Ion: 95 Resp: 2411549

Ion Ratio Lower Upper

95 100

174 74.6 57.8 86.6

175 6.0 4.7 7.1

