

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

Manual Integrations
 APPROVED

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 10/14/2021 1:19:11 PM

Quant Time: Oct 08 11:38:37 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Oct 0
 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					Qvalue
9) Propene	3.01	41	12185m	0.125	ppbv
13) Ethanol	3.62	45	9250m	1.163	ppbv
15) Acetone	3.86	43	85343m	0.691	ppbv
20) Methylene Chloride	4.33	84	23110m	0.370	ppbv
26) Hexane	5.67	57	19815m	0.116	ppbv
52) Tetrachloroethene	11.21	164	13448m	0.103	ppbv

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

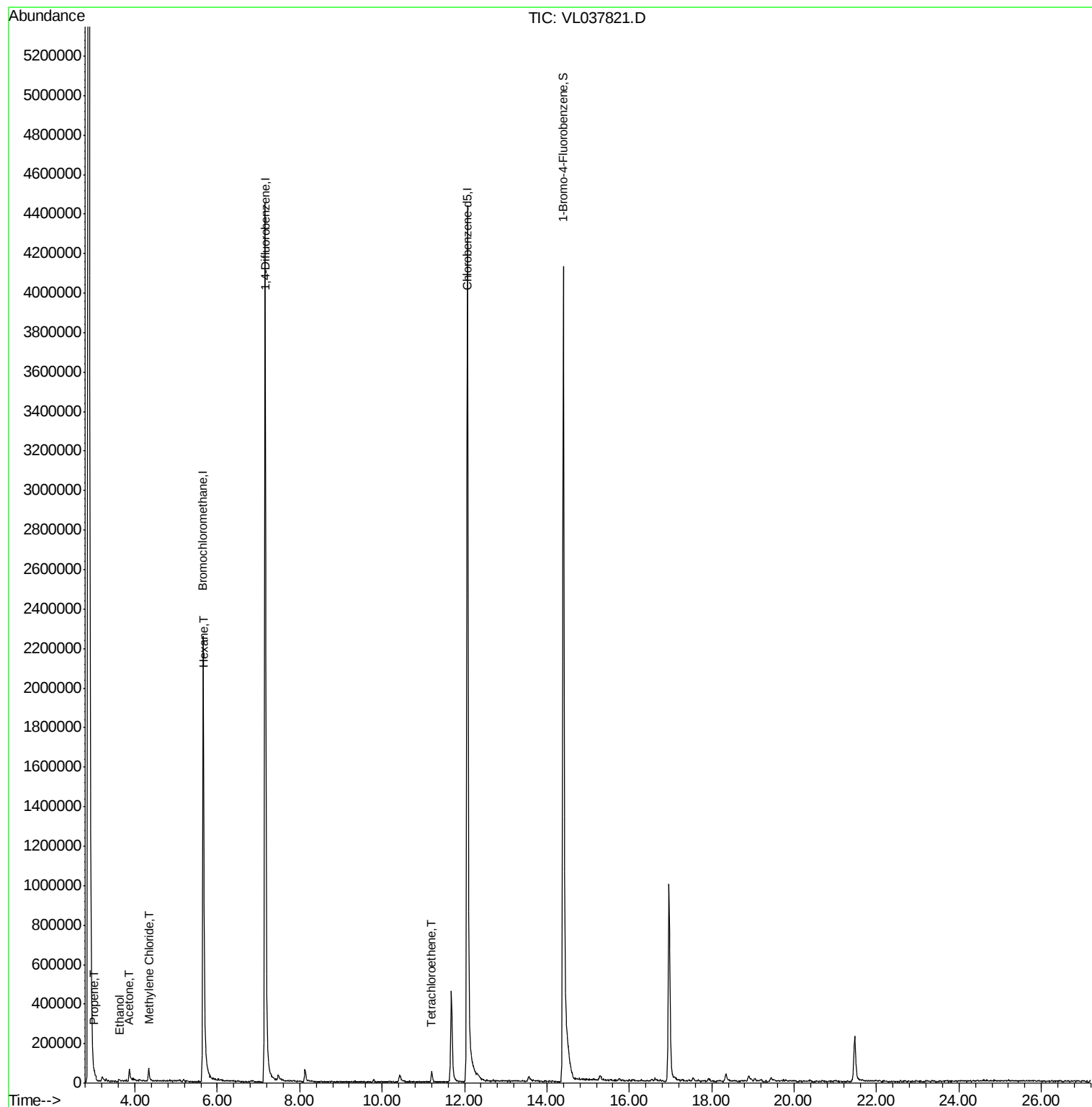
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL100721\
Data File : VL037821.D
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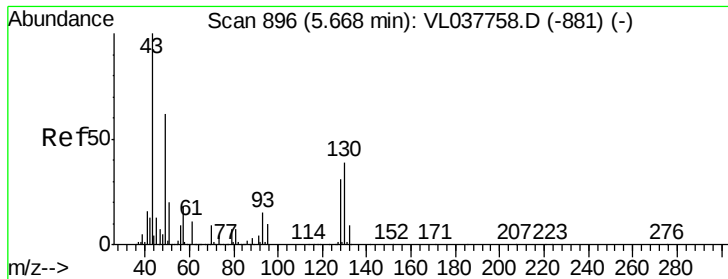
Instrument :
MSVOA_L
ClientSampleId :
C0P12DL

Manual Integrations
APPROVED

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Quant Time: Oct 08 11:38:37 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct
QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

Lab File: VL037821.D

Acq: 8 Oct 2021 7:32

Instrument :

MSVOA_L

ClientSampled :

C0P12DL

Tgt Ion: 49 Resp: 1375633

Ion Ratio Lower Upper

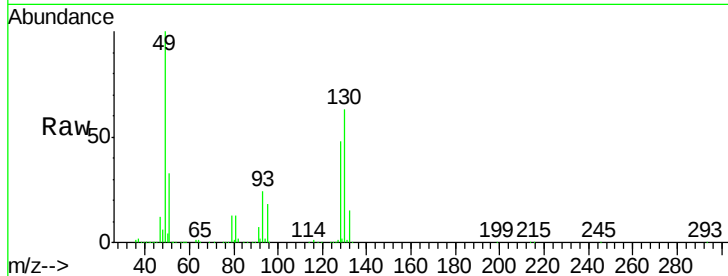
49 100

128 53.4 27.1 81.3

130 67.1 33.2 99.6

Manual Integrations
APPROVED

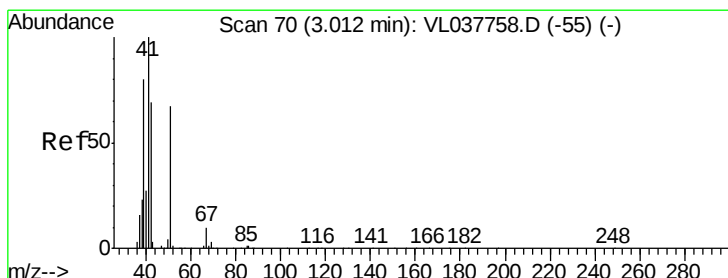
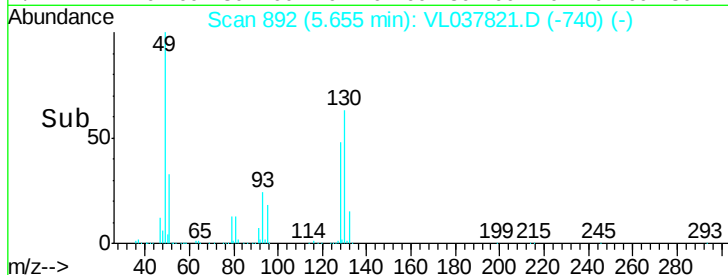
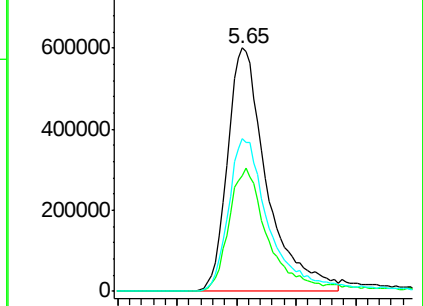
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.125 ppbv m

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL037821.D

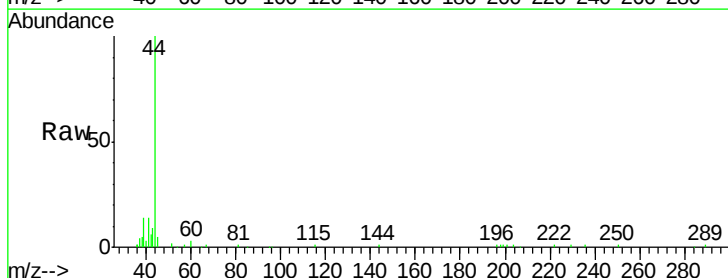
Acq: 8 Oct 2021 7:32

Tgt Ion: 41 Resp: 12185

Ion Ratio Lower Upper

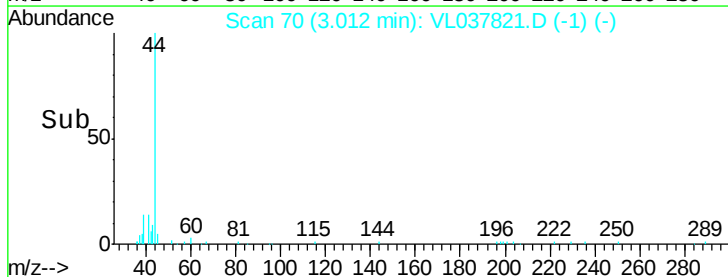
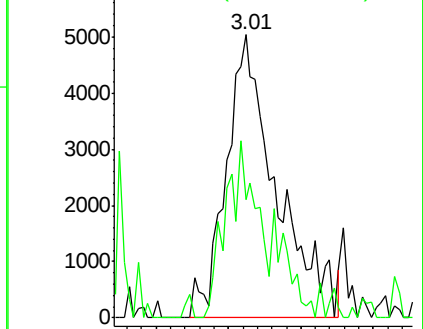
41 100

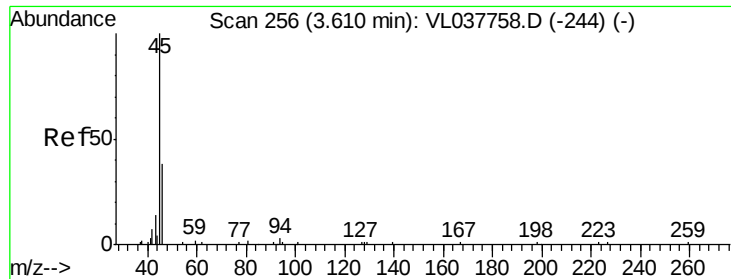
42 54.4 54.2 81.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





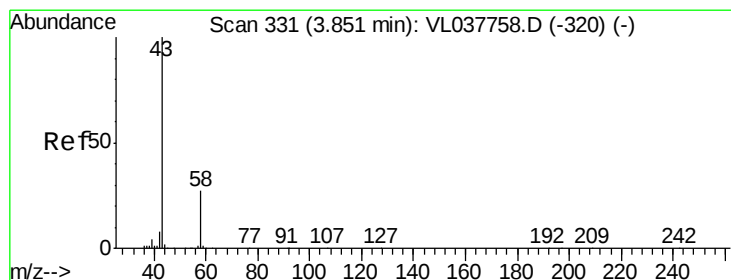
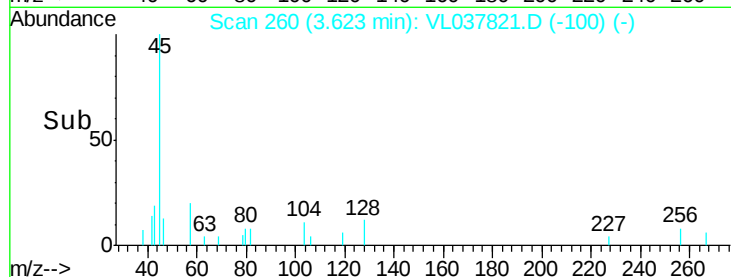
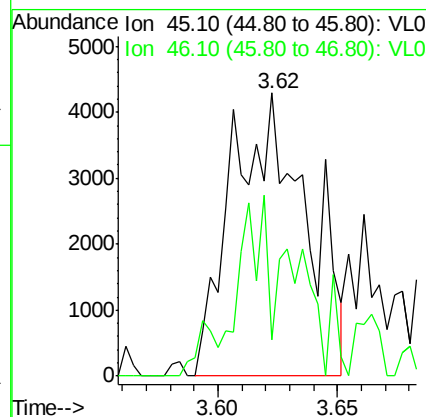
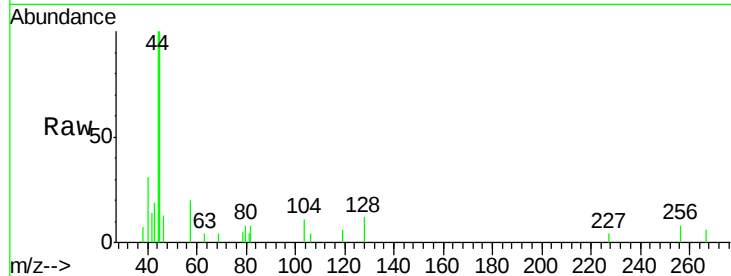
#13
Ethanol
Concen: 1.163 ppbv m
RT: 3.62 min Scan# 260
Delta R.T. 0.01 min
Lab File: VL037821.D
Acq: 8 Oct 2021 7:32

Instrument :
MSVOA_L
ClientSampleId :
C0P12DL

Tgt Ion: 45 Resp: 9250
Ion Ratio Lower Upper
45 100
46 0.0 20.2 81.0#

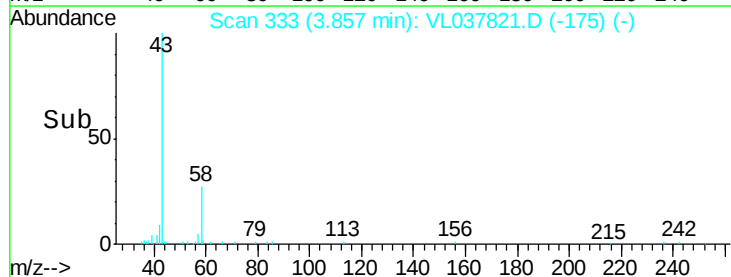
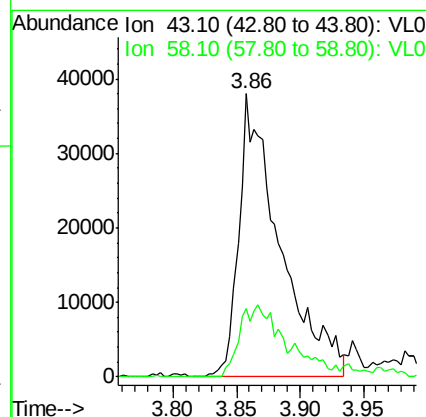
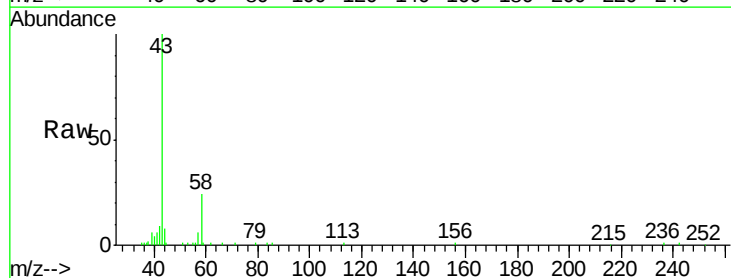
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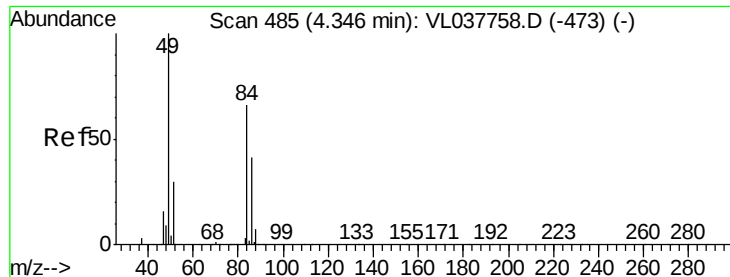
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#15
Acetone
Concen: 0.691 ppbv m
RT: 3.86 min Scan# 333
Delta R.T. 0.01 min
Lab File: VL037821.D
Acq: 8 Oct 2021 7:32

Tgt Ion: 43 Resp: 85343
Ion Ratio Lower Upper
43 100
58 0.0 23.0 34.6#





#20

Methylene Chloride

Concen: 0.370 ppbv m

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

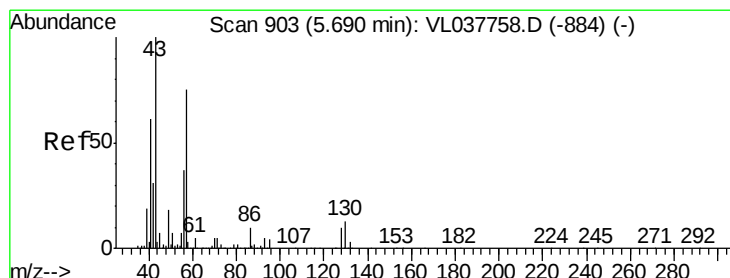
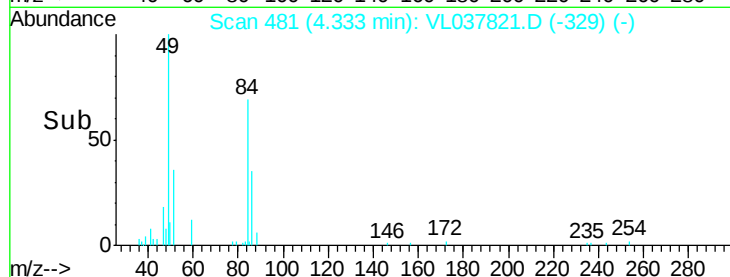
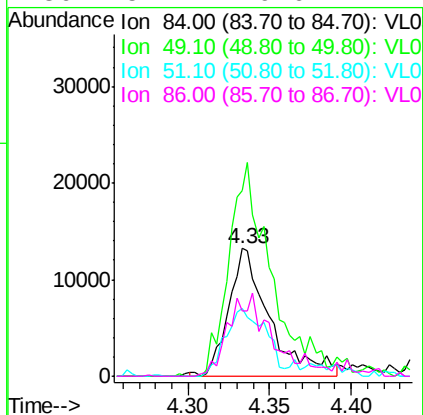
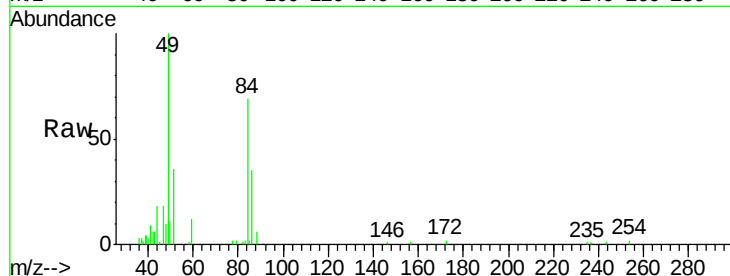
ClientSampleId :

C0P12DL

Tgt Ion:	84	Resp:	23110
Ion	Ratio	Lower	Upper
84	100		
49	145.9	120.7	181.1
51	53.1	36.2	54.4
86	51.1	49.6	74.4

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#26

Hexane

Concen: 0.116 ppbv m

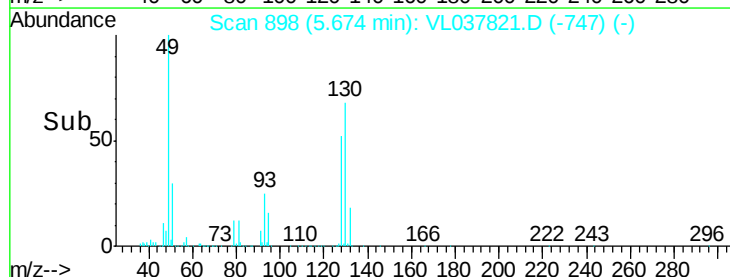
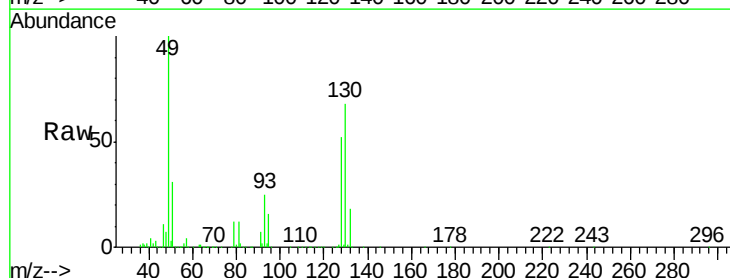
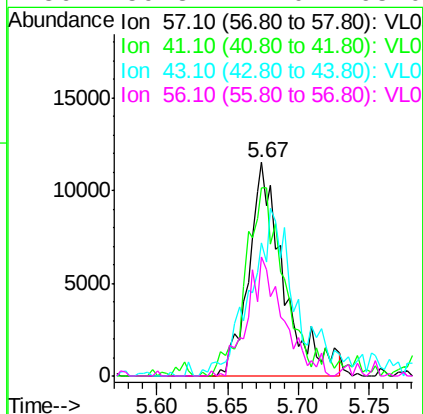
RT: 5.67 min Scan# 898

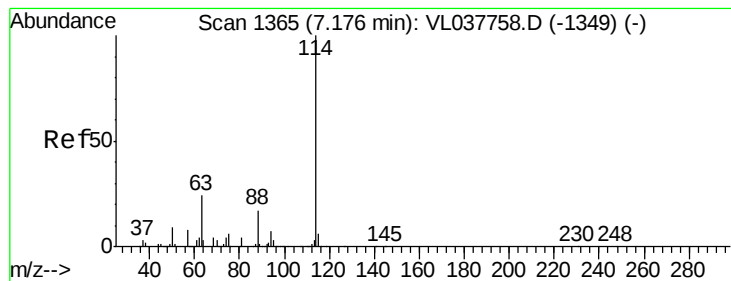
Delta R.T. -0.02 min

Lab File: VL037821.D

Acq: 8 Oct 2021 7:32

Tgt Ion:	57	Resp:	19815
Ion	Ratio	Lower	Upper
57	100		
41	102.9	69.6	104.4
43	105.0	171.4	257.0#
56	59.3	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

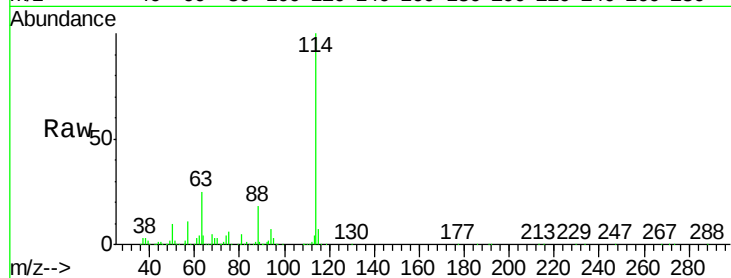
88 18.4 14.4 21.6

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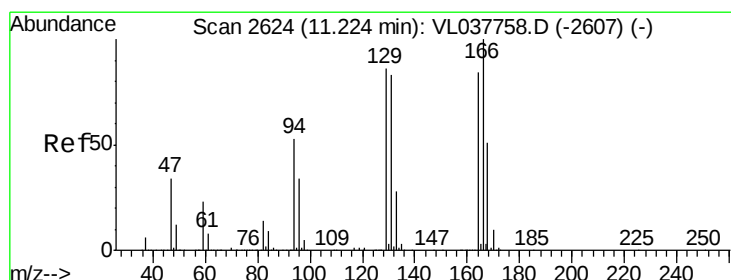
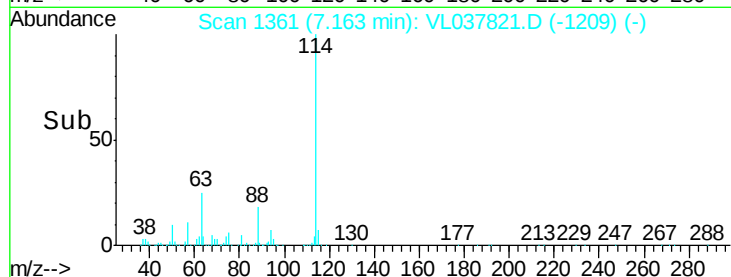
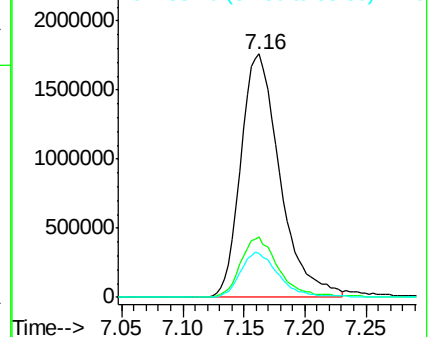
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#52

Tetrachloroethene

Concen: 0.103 ppbv m

RT: 11.21 min Scan# 2619

Delta R.T. -0.02 min

Lab File: VL037821.D

Acq: 8 Oct 2021 7:32

Tgt Ion:164 Resp: 13448

Ion Ratio Lower Upper

164 100

166 125.3 95.4 143.2

129 67.3 82.2 123.4#

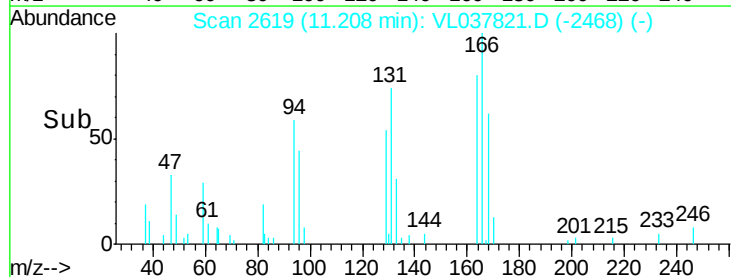
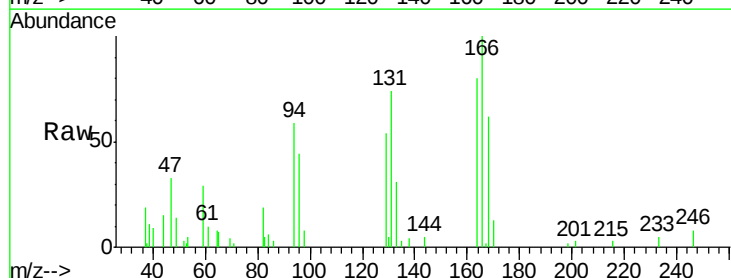
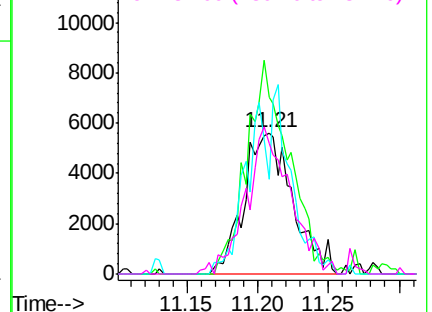
131 92.5 79.4 119.2

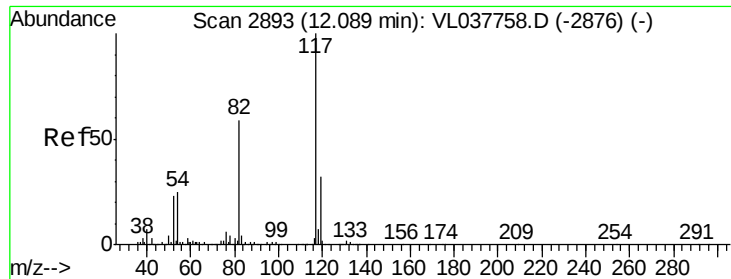
Abundance Ion 163.90 (163.60 to 164.60): V

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

Instrument :

MSVOA_L

ClientSampleId :

C0P12DL

Tgt Ion: 117 Resp: 3430617

Ion Ratio Lower Upper

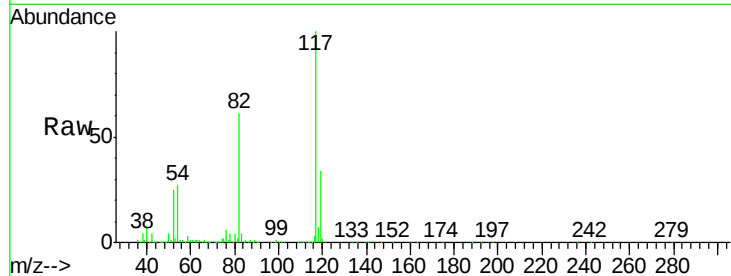
117 100

82 64.4 52.2 78.2

119 33.2 26.0 39.0

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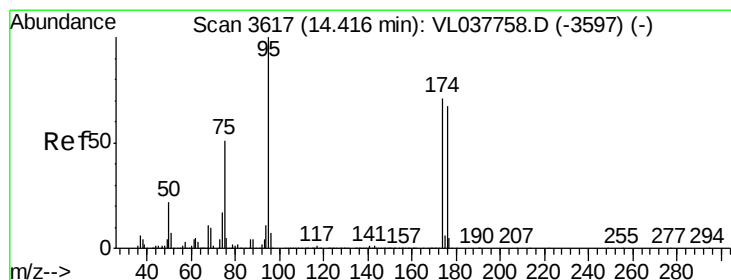
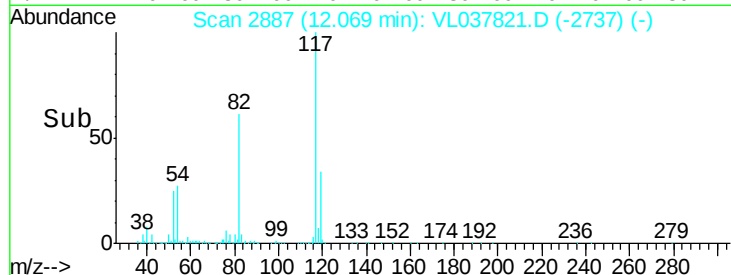
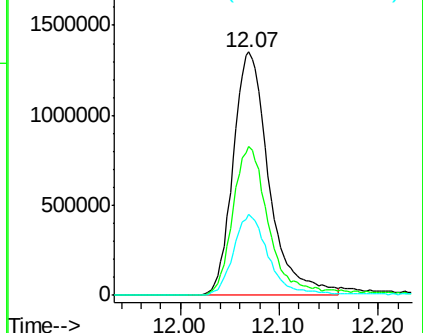
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

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

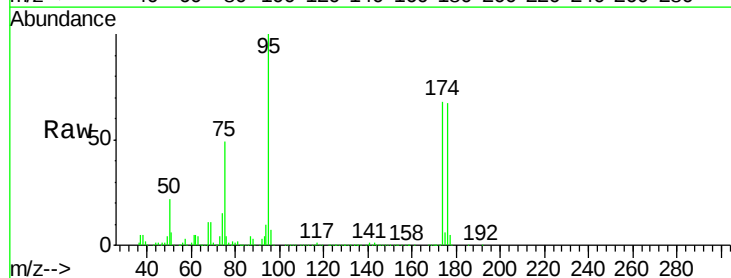
Tgt Ion: 95 Resp: 2411549

Ion Ratio Lower Upper

95 100

174 74.6 57.8 86.6

175 6.0 4.7 7.1



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

