

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100121\
 Data File : VL037750.D
 Acq On : 1 Oct 2021 20:35
 Operator : SY/AP
 Sample : M4012-09DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P27DL

Quant Time: Oct 02 01:35:45 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1399469	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4134582	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3480317	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2434251	9.68	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.80%

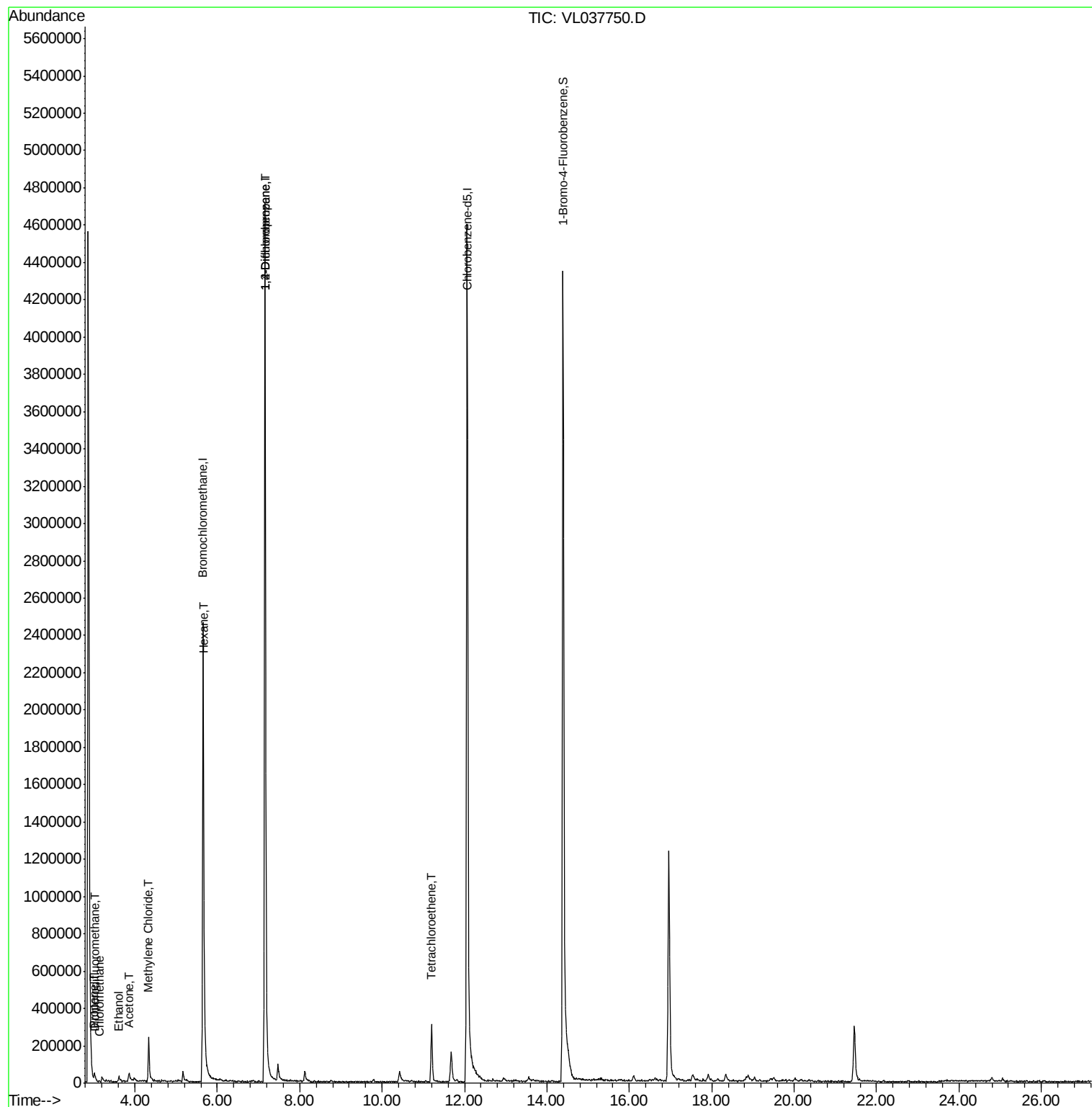
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.04	85	10823	0.043	ppbv	93
4) Chloromethane	3.14	50	3288	0.034	ppbv	91
9) Propene	3.02	41	10517	0.113	ppbv	94
13) Ethanol	3.60	45	10095	1.108	ppbv #	33
15) Acetone	3.84	43	20576	0.142	ppbv #	44
20) Methylene Chloride	4.33	84	102437	1.476	ppbv #	88
26) Hexane	5.67	57	23363	0.140	ppbv #	43
39) 1,2-Dichloropropane	7.16	63	992184	7.514	ppbv #	28
52) Tetrachloroethene	11.20	164	82628	0.624	ppbv	88

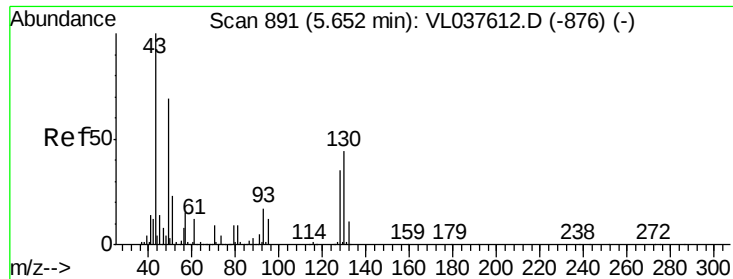
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037750.D

Acq: 1 Oct 2021 20:35

Instrument :

MSVOA_L

ClientSampleId :

C0P27DL

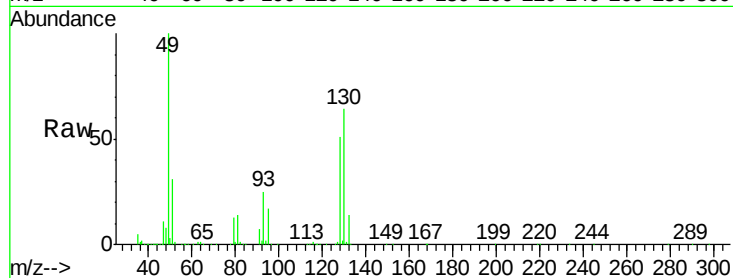
Tgt Ion: 49 Resp: 1399469

Ion Ratio Lower Upper

49 100

128 54.6 27.9 83.6

130 71.1 33.9 101.7



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

800000

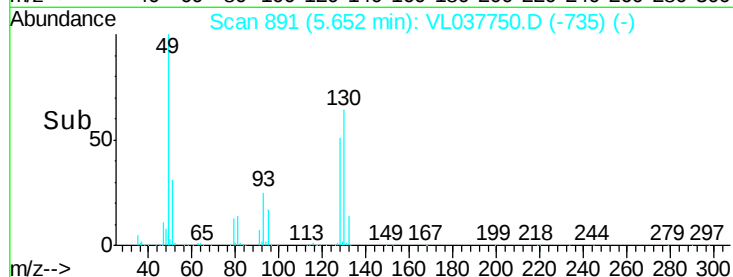
600000

400000

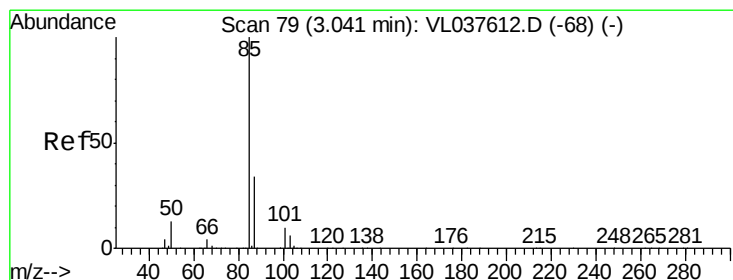
200000

0

5.60 5.65 5.70 5.75



Time-->



#2

Dichlorodifluoromethane

Concen: 0.043 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL037750.D

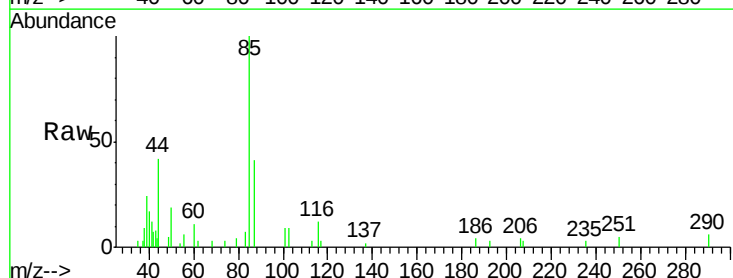
Acq: 1 Oct 2021 20:35

Tgt Ion: 85 Resp: 10823

Ion Ratio Lower Upper

85 100

87 37.2 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

8000

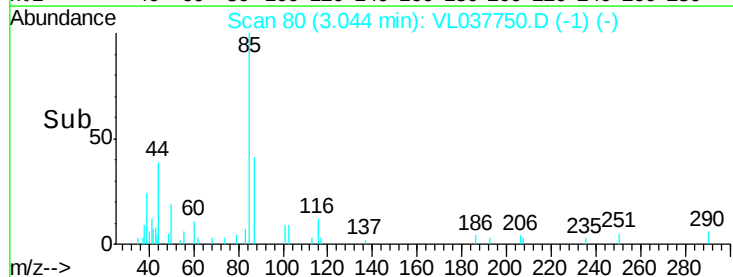
6000

4000

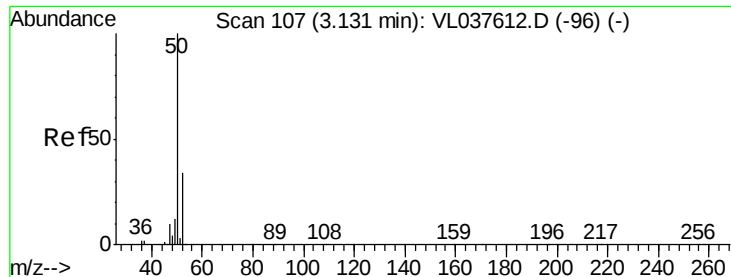
2000

0

3.00 3.02 3.04 3.06



Time-->



#4

Chloromethane

Concen: 0.034 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.01 min

Lab File: VL037750.D

Acq: 1 Oct 2021 20:35

Instrument :

MSVOA_L

ClientSampleId :

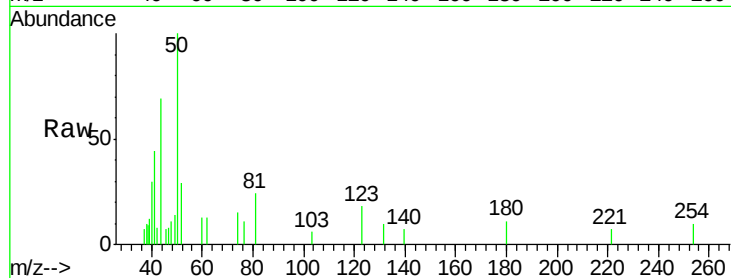
C0P27DL

Tgt Ion: 50 Resp: 3288

Ion Ratio Lower Upper

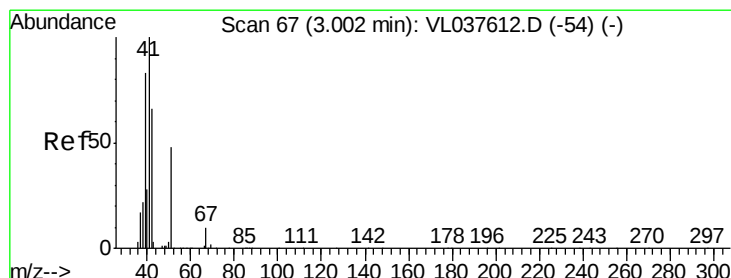
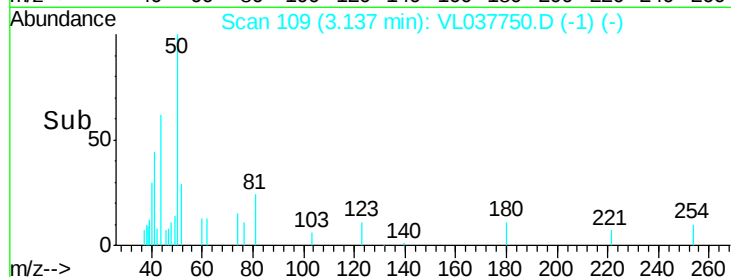
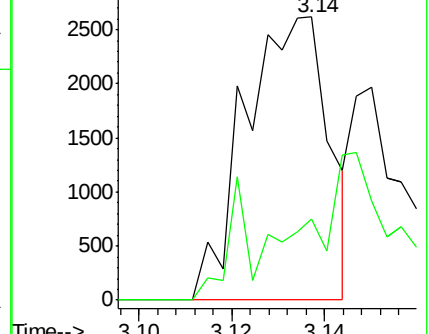
50 100

52 28.5 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 0.113 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.02 min

Lab File: VL037750.D

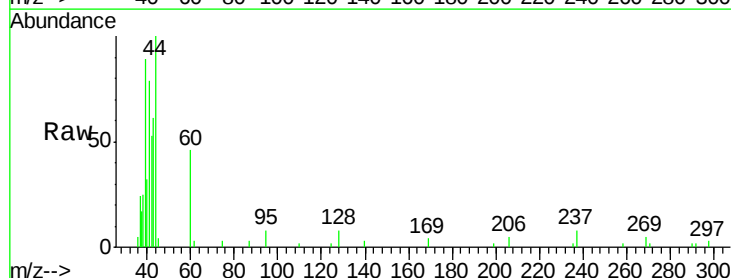
Acq: 1 Oct 2021 20:35

Tgt Ion: 41 Resp: 10517

Ion Ratio Lower Upper

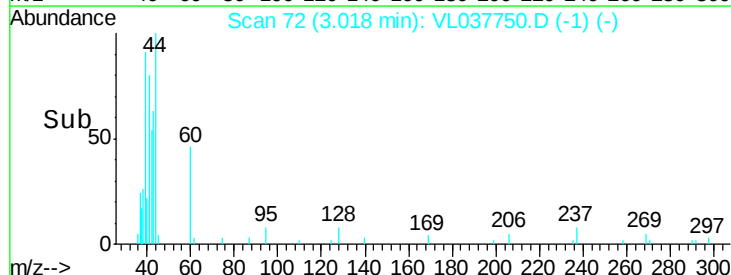
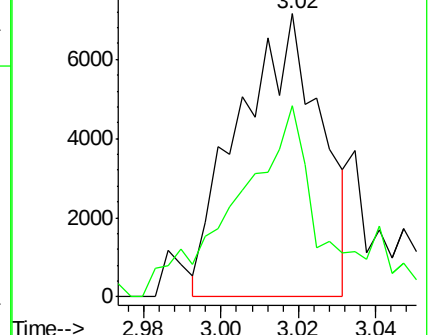
41 100

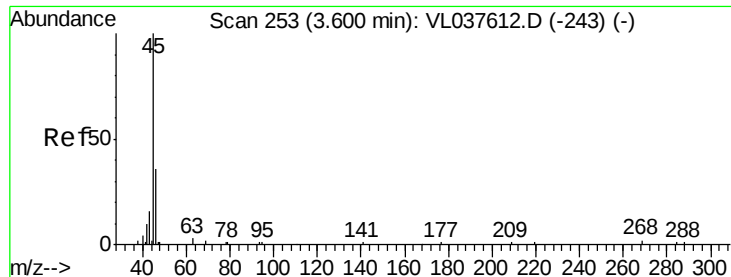
42 76.9 57.2 85.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

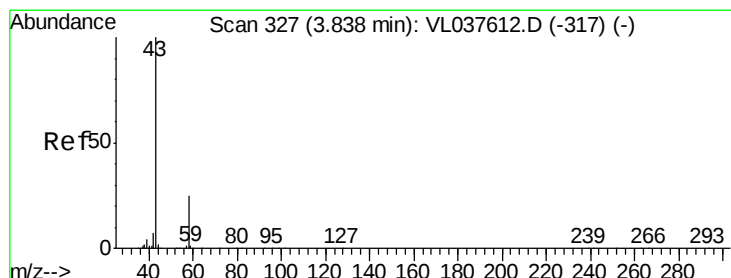
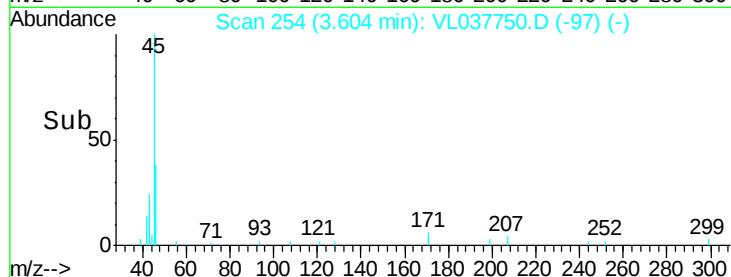
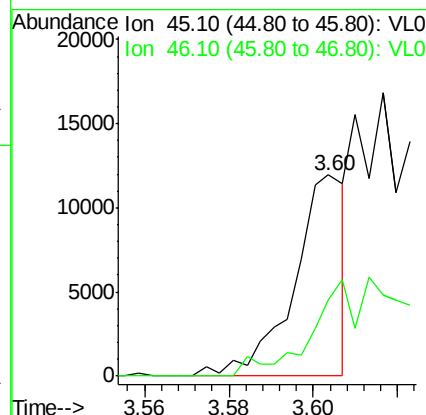
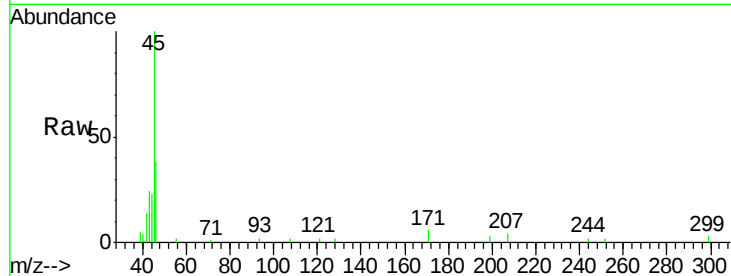




#13
Ethanol
Concen: 1.108 ppbv
RT: 3.60 min Scan# 254
Delta R.T. 0.00 min
Lab File: VL037750.D
Acq: 1 Oct 2021 20:35

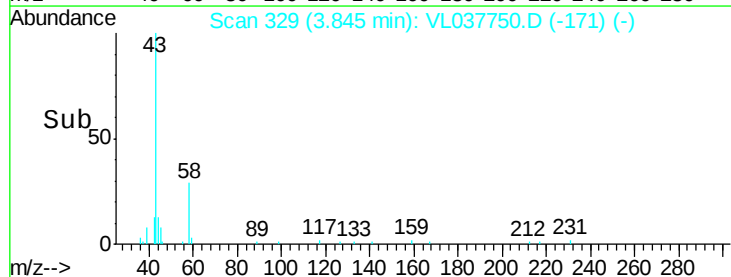
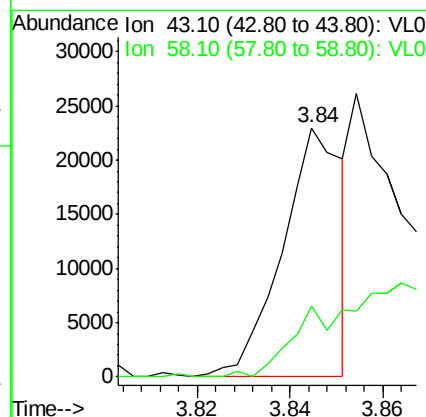
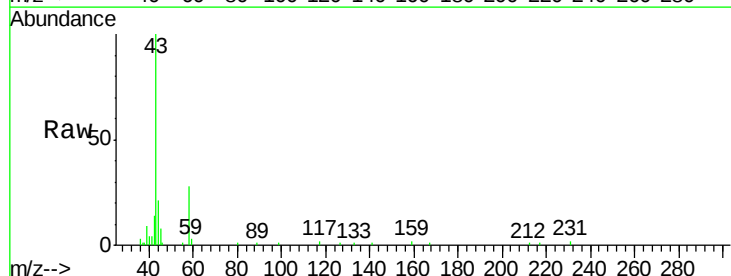
Instrument :
MSVOA_L
ClientSampleId :
C0P27DL

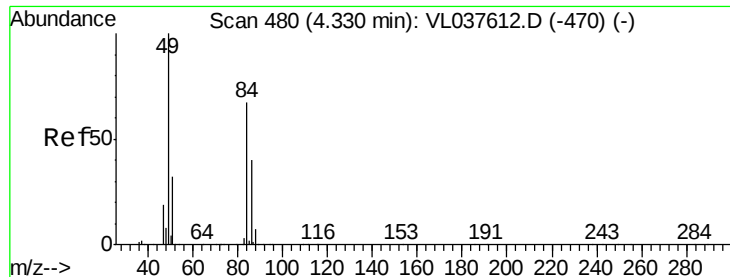
Tgt Ion: 45 Resp: 10095
Ion Ratio Lower Upper
45 100
46 0.0 17.2 68.8#



#15
Acetone
Concen: 0.142 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.01 min
Lab File: VL037750.D
Acq: 1 Oct 2021 20:35

Tgt Ion: 43 Resp: 20576
Ion Ratio Lower Upper
43 100
58 0.0 24.9 37.3#

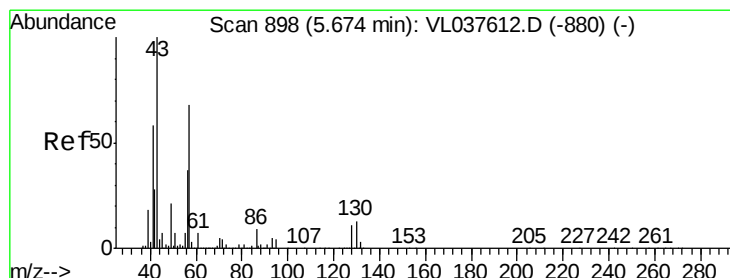
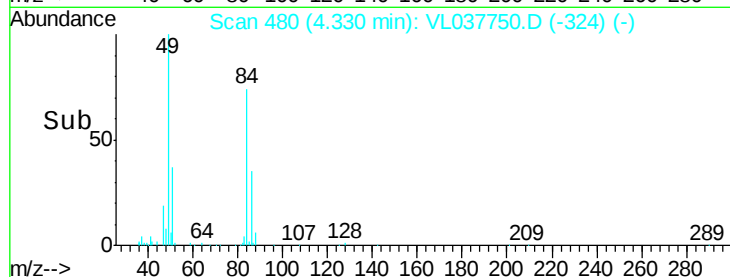
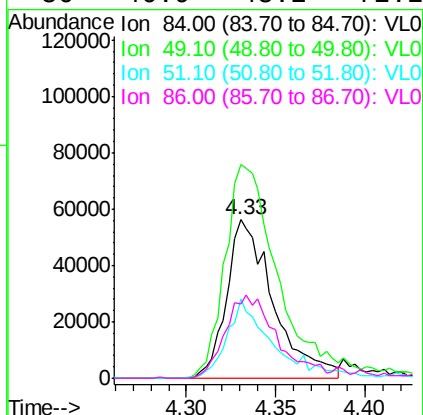
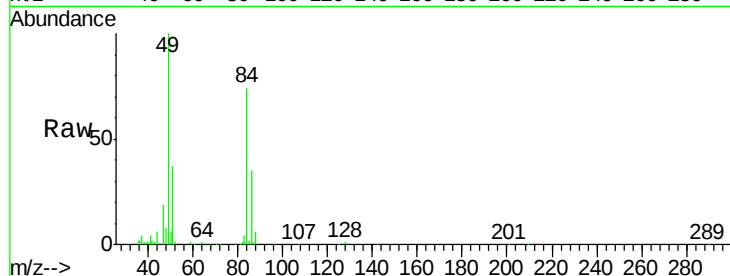




#20
Methylene Chloride
Concen: 1.476 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL037750.D
Acq: 1 Oct 2021 20:35

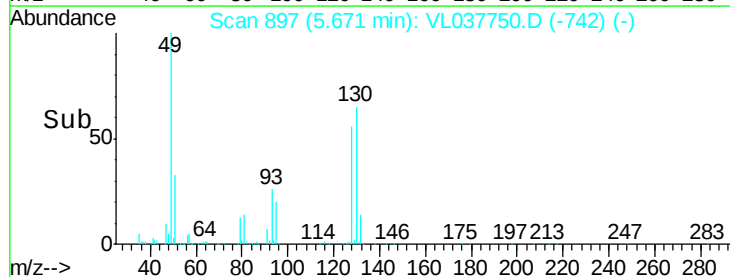
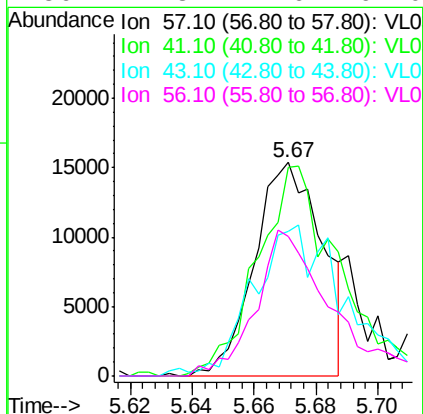
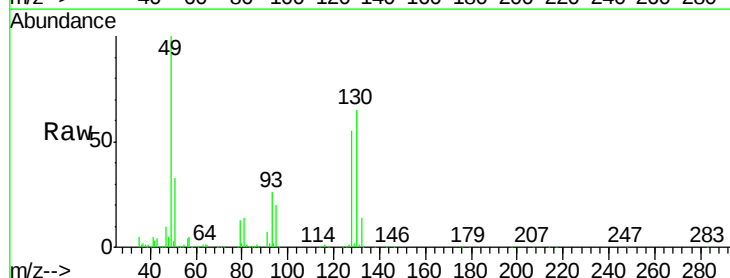
Instrument :
MSVOA_L
ClientSampleId :
C0P27DL

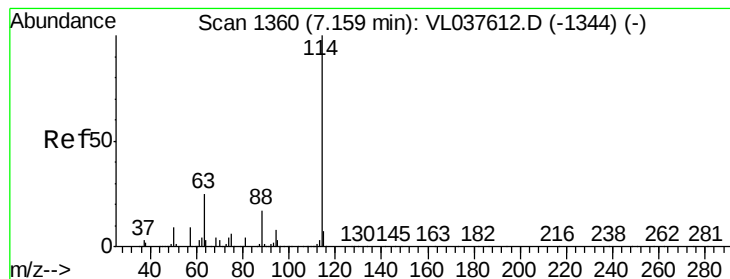
Tgt Ion: 84 Resp: 102437
Ion Ratio Lower Upper
84 100
49 134.9 120.0 180.0
51 49.4 38.0 57.0
86 46.9 48.2 72.2#



#26
Hexane
Concen: 0.140 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL037750.D
Acq: 1 Oct 2021 20:35

Tgt Ion: 57 Resp: 23363
Ion Ratio Lower Upper
57 100
41 126.5 70.9 106.3#
43 103.5 170.4 255.6#
56 77.3 42.6 64.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VL037750.D

Acq: 1 Oct 2021 20:35

Instrument :

MSVOA_L

ClientSampleId :

C0P27DL

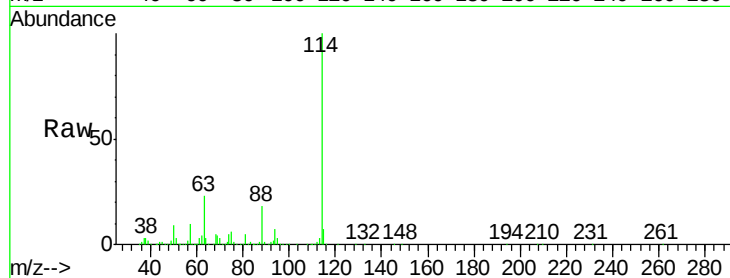
Tgt Ion: 114 Resp: 4134582

Ion Ratio Lower Upper

114 100

63 24.4 19.6 29.4

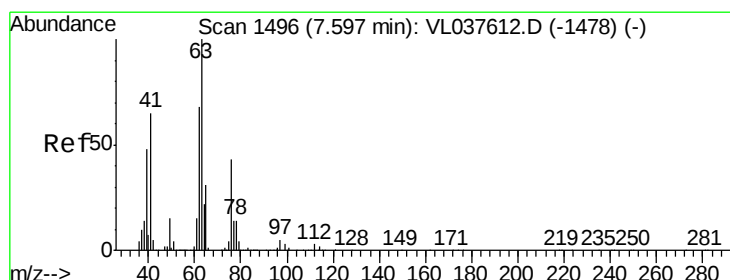
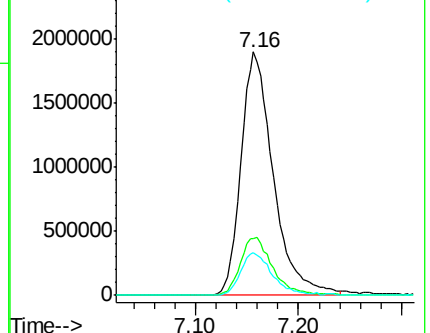
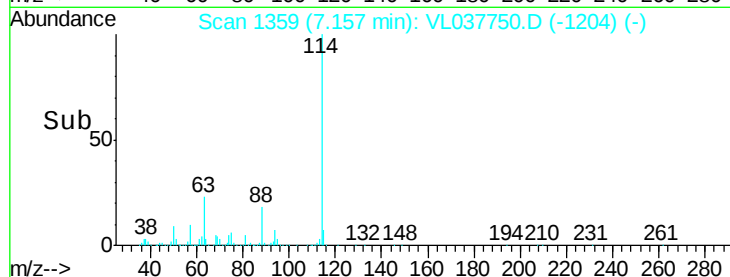
88 17.9 14.2 21.4



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#39

1,2-Dichloropropane

Concen: 7.514 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. -0.44 min

Lab File: VL037750.D

Acq: 1 Oct 2021 20:35

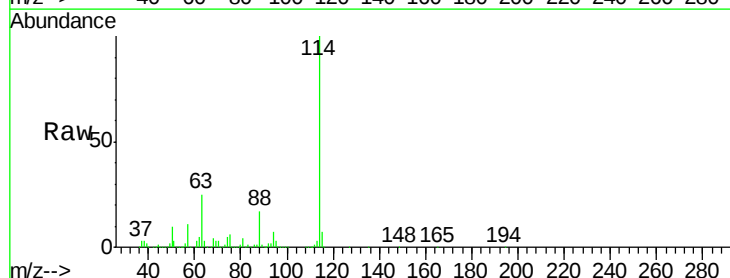
Tgt Ion: 63 Resp: 992184

Ion Ratio Lower Upper

63 100

41 0.0 51.6 77.4#

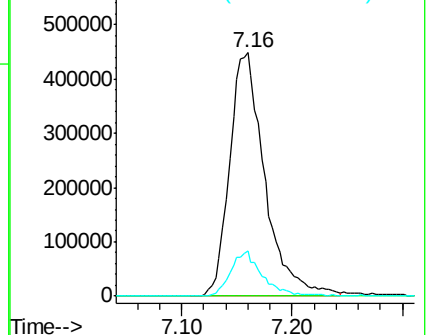
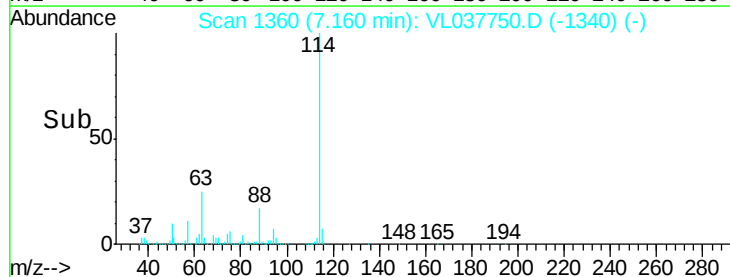
62 18.3 54.6 81.8#

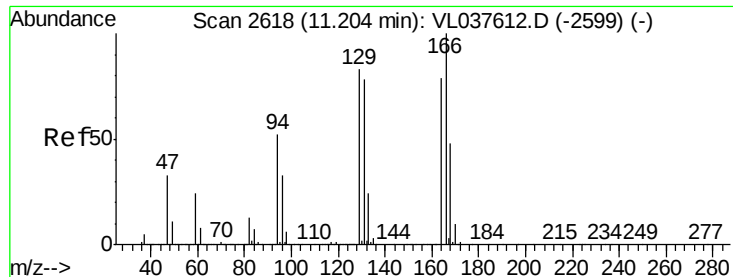


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#52

Tetrachloroethene

Concen: 0.624 ppbv

RT: 11.20 min Scan# 2617

Delta R.T. -0.00 min

Lab File: VL037750.D

Acq: 1 Oct 2021 20:35

Instrument :

MSVOA_L

ClientSampleId :

C0P27DL

Tgt Ion:164 Resp: 82628

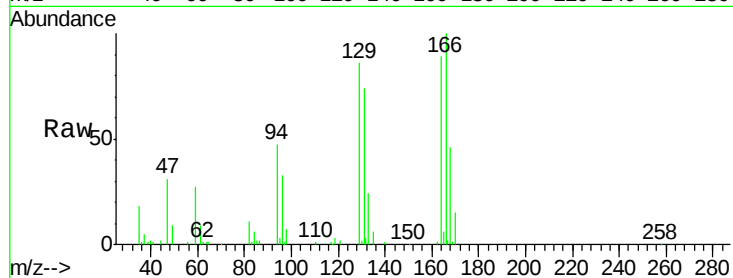
Ion Ratio Lower Upper

164 100

166 112.2 101.2 151.8

129 96.0 84.0 126.0

131 83.5 78.8 118.2

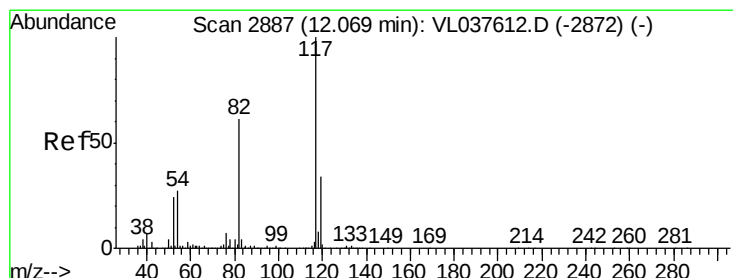
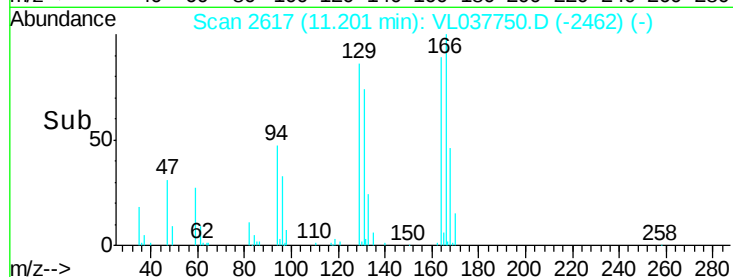
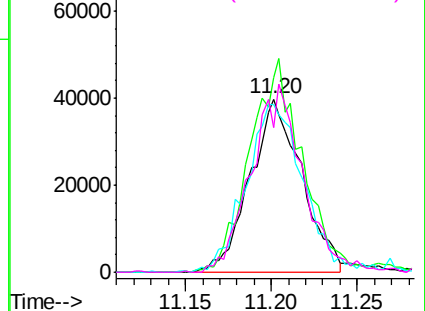


Abundance Ion 163.90 (163.60 to 164.60): V

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: 12.06 min Scan# 2885

Delta R.T. -0.01 min

Lab File: VL037750.D

Acq: 1 Oct 2021 20:35

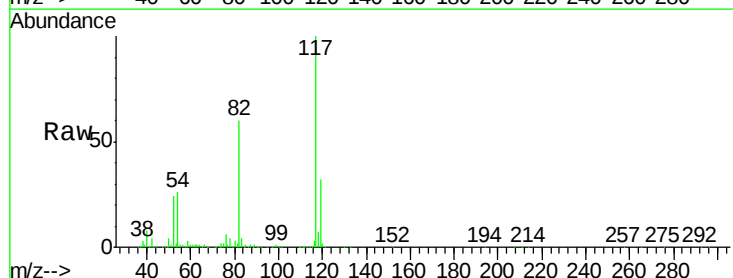
Tgt Ion:117 Resp: 3480317

Ion Ratio Lower Upper

117 100

82 64.4 50.6 75.8

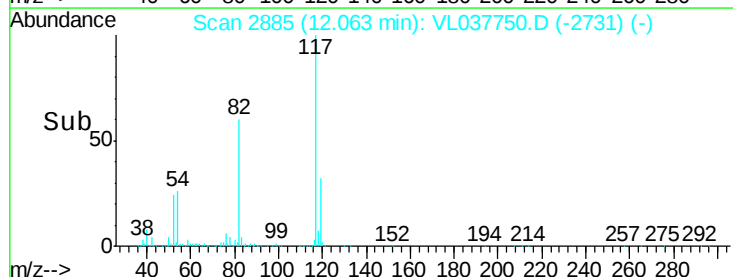
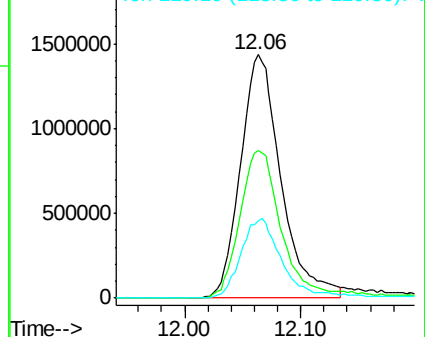
119 34.2 26.2 39.2

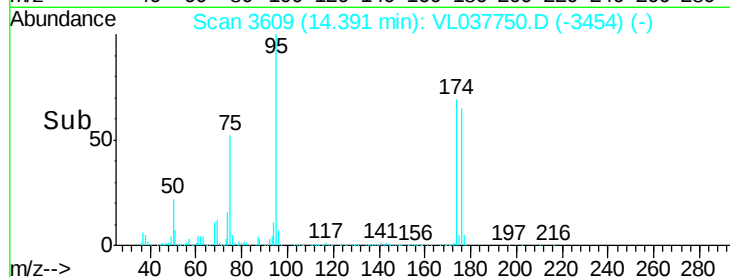
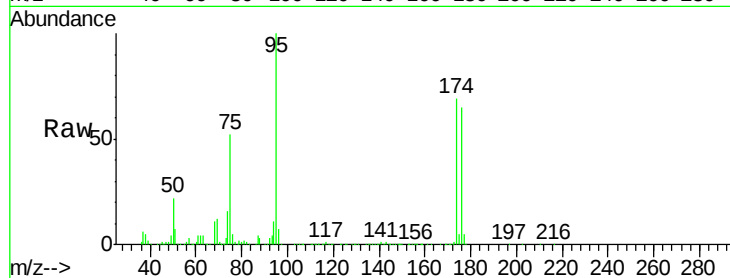
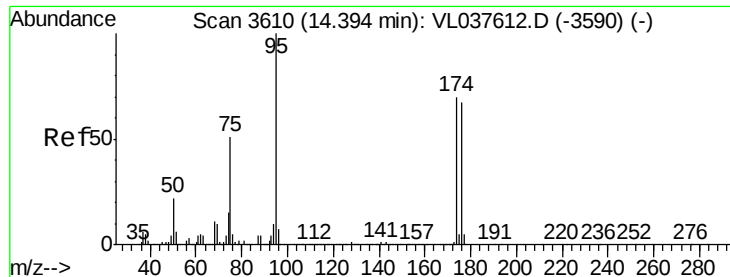


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.678 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.00 min

Lab File: VL037750.D

Acq: 1 Oct 2021 20:35

Instrument :

MSVOA_L

ClientSampleId :

C0P27DL

Tgt Ion: 95 Resp: 2434251

Ion Ratio Lower Upper

95 100

174 75.6 56.3 84.5

175 5.4 4.4 6.6

