

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100121\
 Data File : VL037746.D
 Acq On : 1 Oct 2021 18:02
 Operator : SY/AP
 Sample : M4012-03DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P17DL

Quant Time: Oct 02 01:34:58 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	1463468	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4323021	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3729693	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2489142	9.23	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.30%

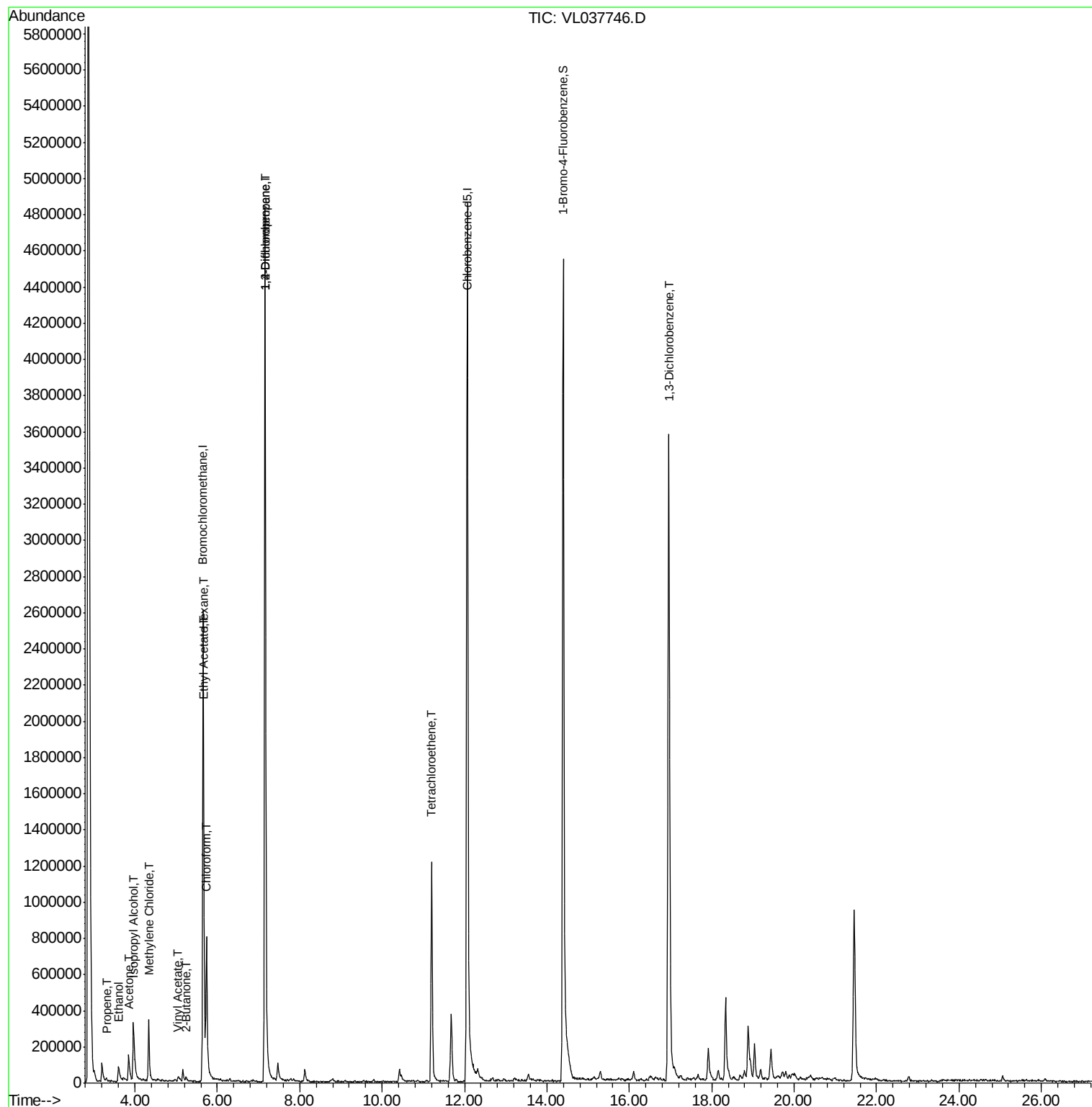
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.31	41	4220	0.043	ppbv	89
13) Ethanol	3.60	45	61103	6.415	ppbv #	43
15) Acetone	3.84	43	206184	1.356	ppbv #	86
19) Isopropyl Alcohol	3.96	45	497270	6.011	ppbv	98
20) Methylene Chloride	4.33	84	128907	1.776	ppbv	94
23) Vinyl Acetate	5.06	43	12686	0.060	ppbv #	76
25) Ethyl Acetate	5.67	43	31052	0.084	ppbv #	76
26) Hexane	5.67	57	33034	0.189	ppbv #	55
29) Chloroform	5.74	83	561957	2.200	ppbv	95
34) 2-Butanone	5.24	43	19131	0.109	ppbv #	46
39) 1,2-Dichloropropane	7.16	63	1011869	7.329	ppbv #	27
52) Tetrachloroethene	11.20	164	330588	2.389	ppbv	97
75) 1,3-Dichlorobenzene	16.97	146	10220	0.036	ppbv #	23

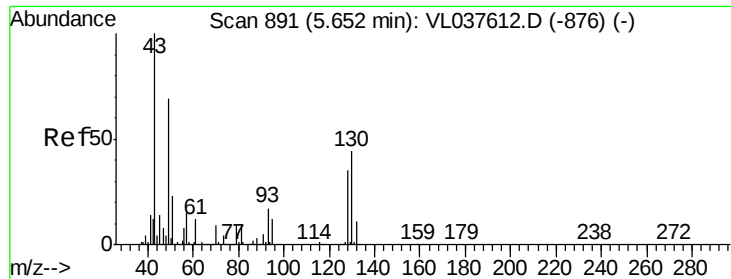
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL100121\
Data File : VL037746.D
Acq On : 1 Oct 2021 18:02
Operator : SY/AP
Sample : M4012-03DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
C0P17DL

Quant Time: Oct 02 01:34:58 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
QLast Update : Thu Sep 16 13:42:46 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.00 min

Lab File: VL037746.D

Acq: 1 Oct 2021 18:02

Instrument :

MSVOA_L

ClientSampleId :

C0P17DL

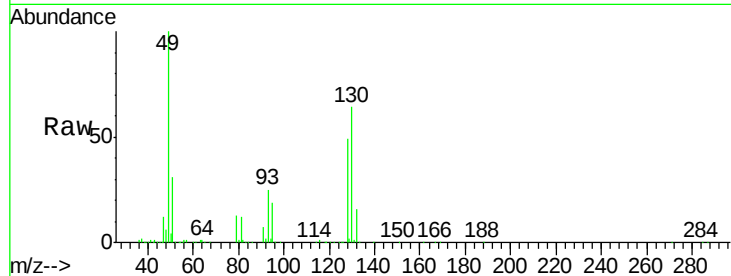
Tgt Ion: 49 Resp: 1463468

Ion Ratio Lower Upper

49 100

128 54.7 27.9 83.6

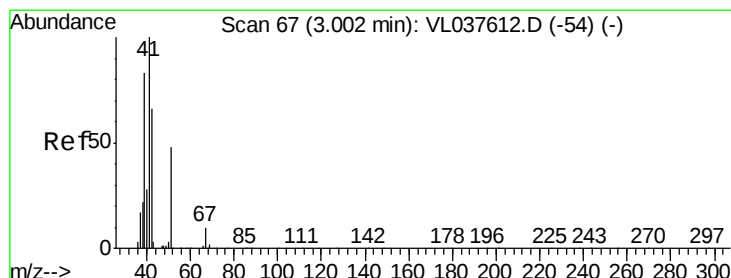
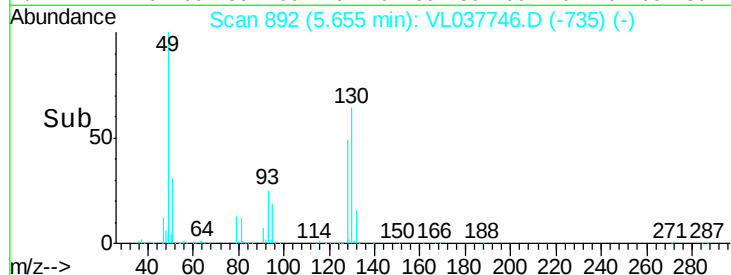
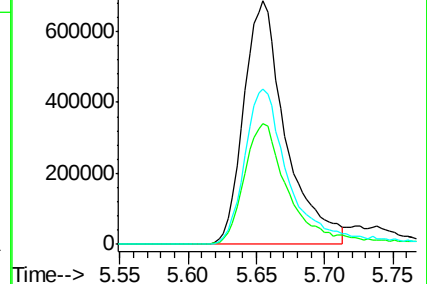
130 69.6 33.9 101.7



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



#9

Propene

Concen: 0.043 ppbv

RT: 3.31 min Scan# 162

Delta R.T. 0.31 min

Lab File: VL037746.D

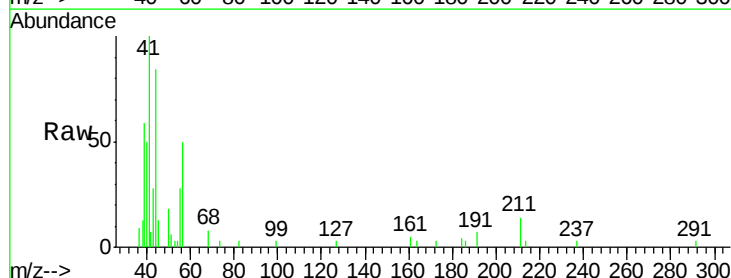
Acq: 1 Oct 2021 18:02

Tgt Ion: 41 Resp: 4220

Ion Ratio Lower Upper

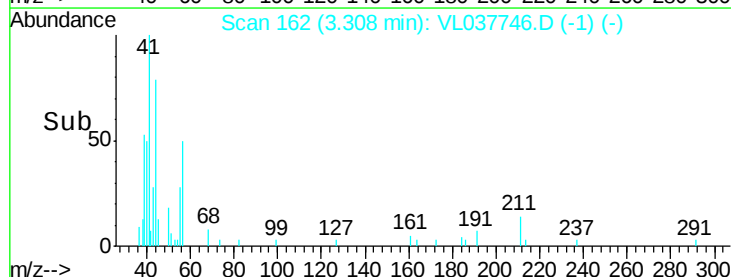
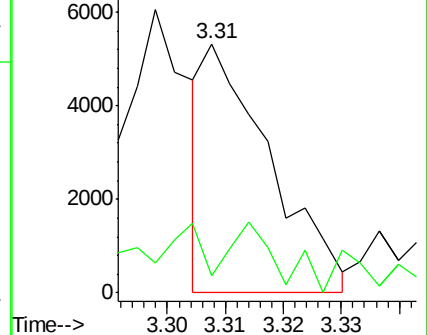
41 100

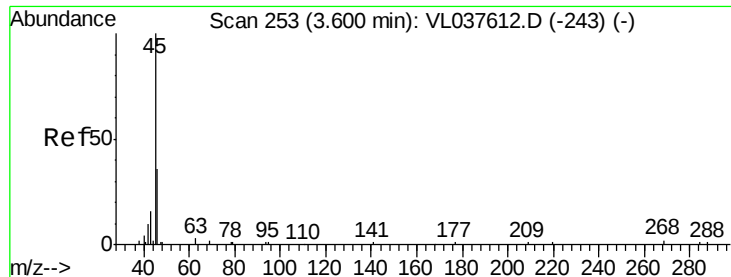
42 62.2 57.2 85.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 6.415 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.00 min

Lab File: VL037746.D

Acq: 1 Oct 2021 18:02

Instrument :

MSVOA_L

ClientSampleId :

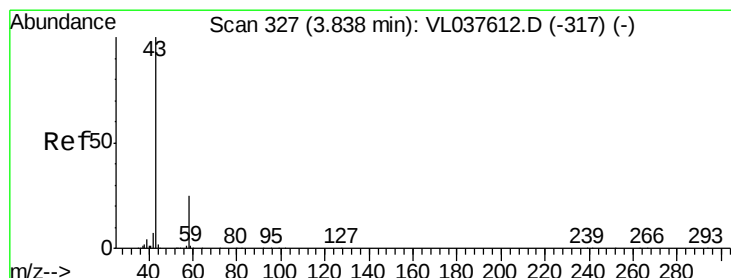
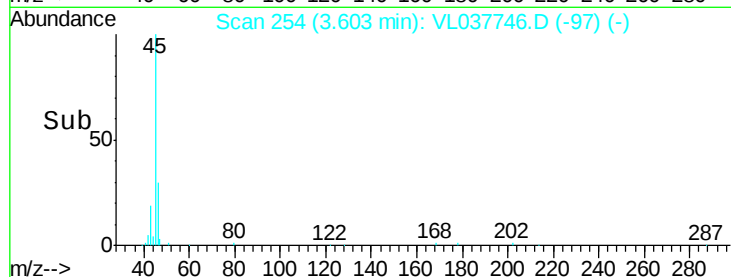
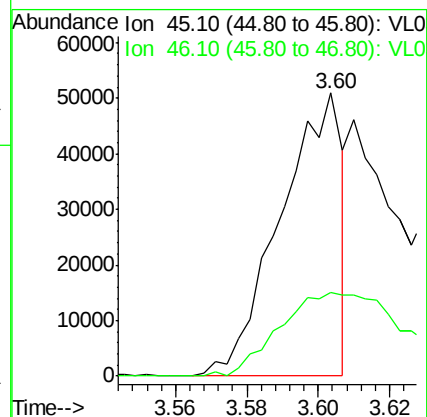
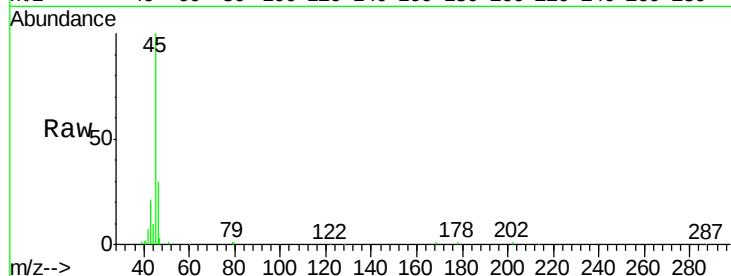
C0P17DL

Tgt Ion: 45 Resp: 61103

Ion Ratio Lower Upper

45 100

46 79.3 17.2 68.8#



#15

Acetone

Concen: 1.356 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.01 min

Lab File: VL037746.D

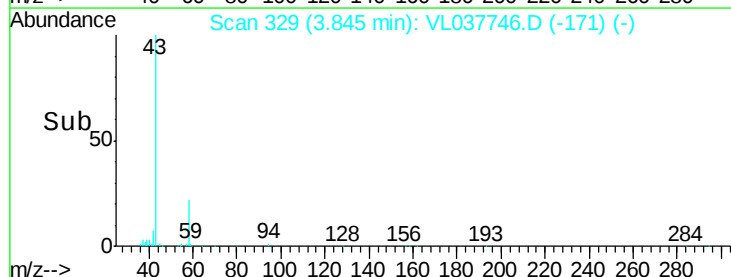
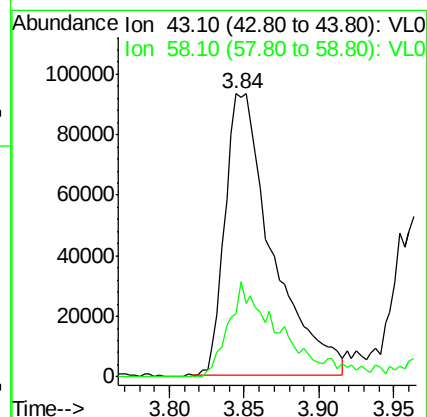
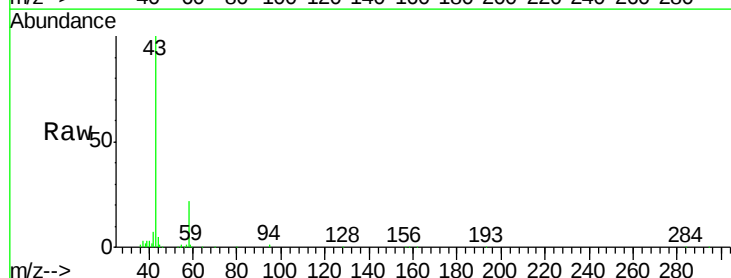
Acq: 1 Oct 2021 18:02

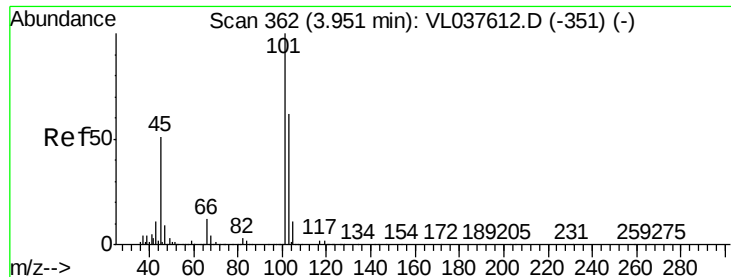
Tgt Ion: 43 Resp: 206184

Ion Ratio Lower Upper

43 100

58 38.6 24.9 37.3#





#19

Isopropyl Alcohol

Concen: 6.011 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.01 min

Lab File: VL037746.D

Acq: 1 Oct 2021 18:02

Instrument :

MSVOA_L

ClientSampleId :

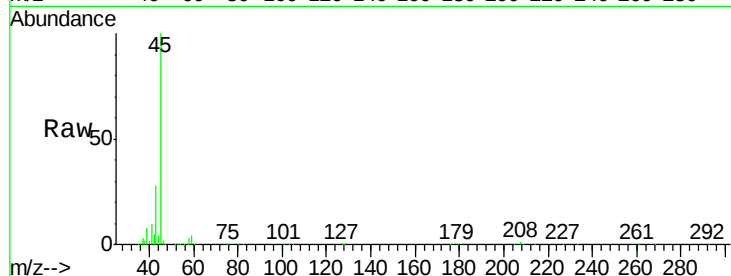
C0P17DL

Tgt Ion: 45 Resp: 497270

Ion Ratio Lower Upper

45 100

58 3.0 2.9 4.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

200000

150000

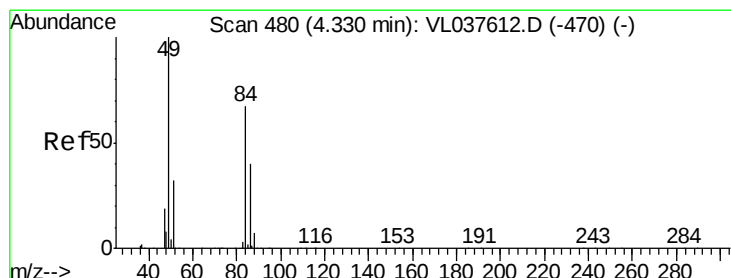
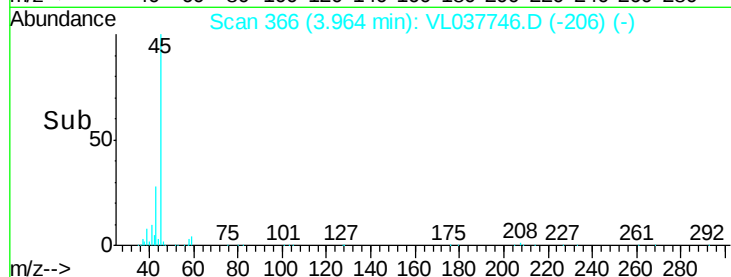
100000

50000

0

Time-->

3.90 3.95 4.00 4.05



#20

Methylene Chloride

Concen: 1.776 ppbv

RT: 4.33 min Scan# 481

Delta R.T. 0.00 min

Lab File: VL037746.D

Acq: 1 Oct 2021 18:02

Tgt Ion: 84 Resp: 128907

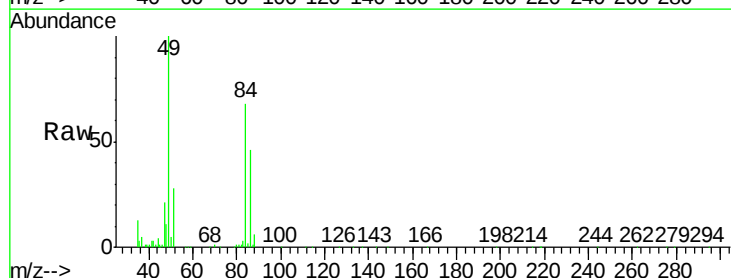
Ion Ratio Lower Upper

84 100

49 146.1 120.0 180.0

51 40.5 38.0 57.0

86 67.0 48.2 72.2



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

150000

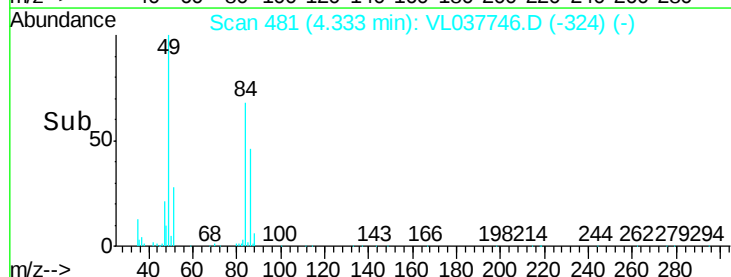
100000

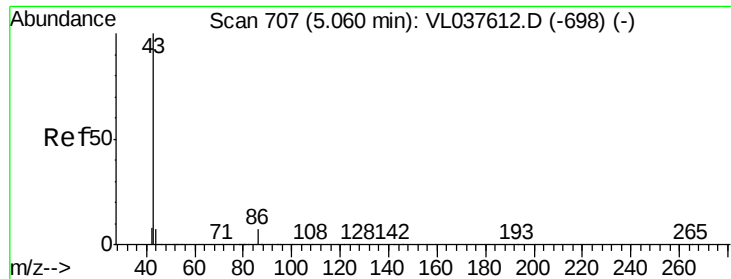
50000

0

Time-->

4.30 4.35

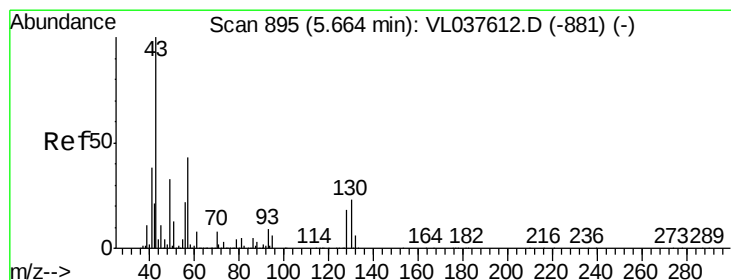
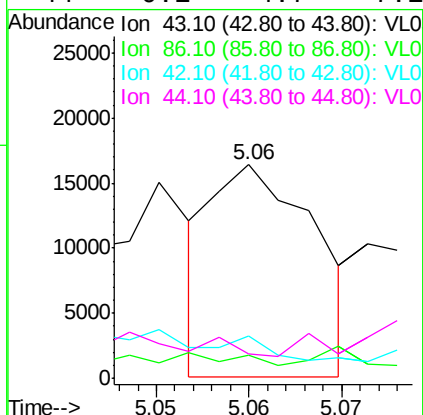
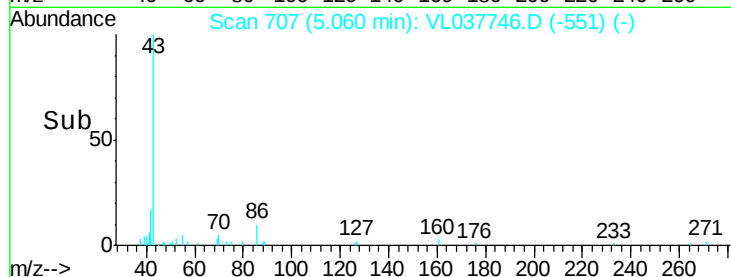
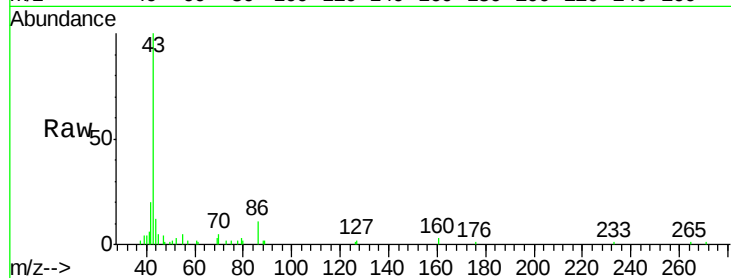




#23
 Vinyl Acetate
 Concen: 0.060 ppbv
 RT: 5.06 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VL037746.D
 Acq: 1 Oct 2021 18:02

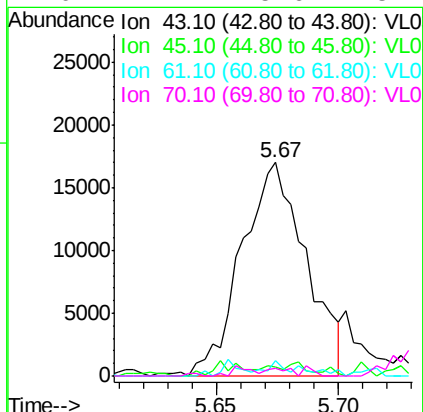
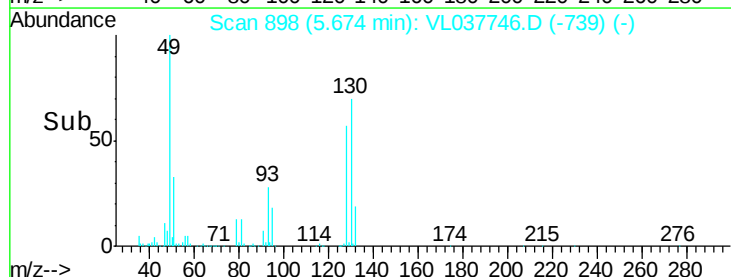
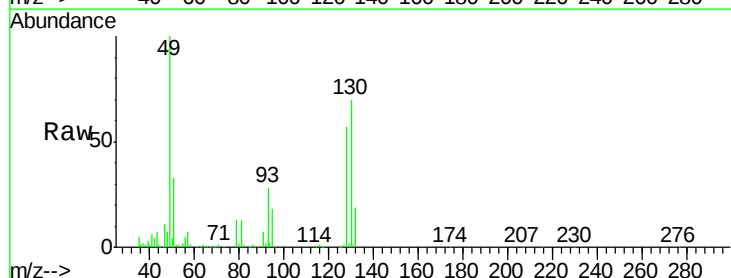
Instrument :
 MSVOA_L
 ClientSampleId :
 C0P17DL

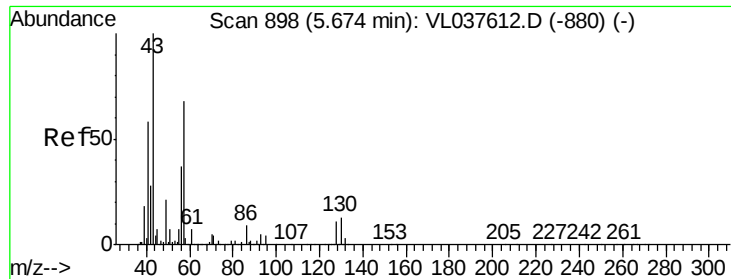
Tgt Ion:	43	Resp:	12686
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.0	7.6#
42	21.1	7.5	11.3#
44	0.1	4.7	7.1#



#25
 Ethyl Acetate
 Concen: 0.084 ppbv
 RT: 5.67 min Scan# 898
 Delta R.T. 0.01 min
 Lab File: VL037746.D
 Acq: 1 Oct 2021 18:02

Tgt Ion:	43	Resp:	31052
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.0	12.0#
61	0.0	7.5	11.3#
70	1.2	5.6	8.4#

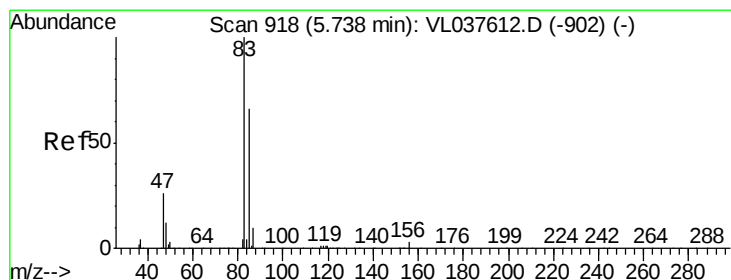
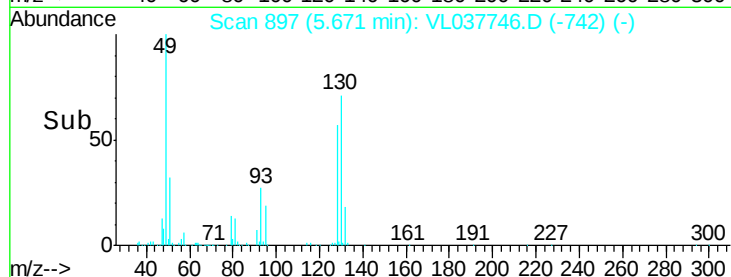
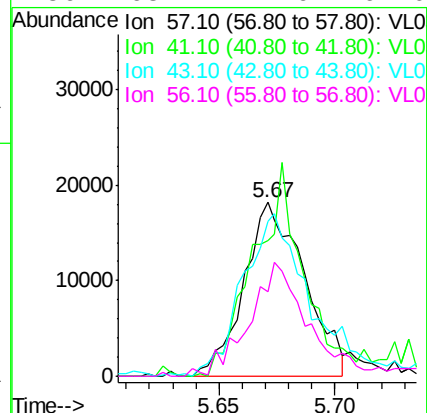
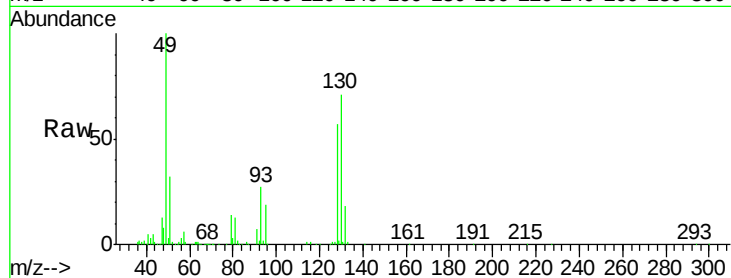




#26
Hexane
Concen: 0.189 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL037746.D
Acq: 1 Oct 2021 18:02

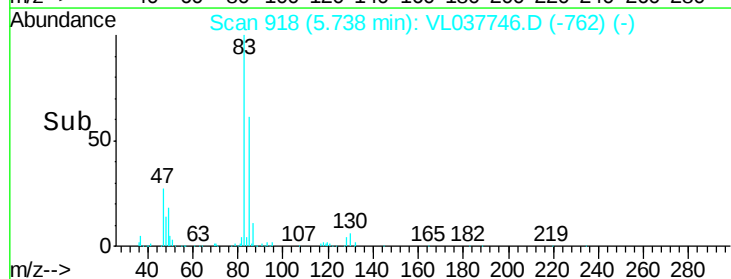
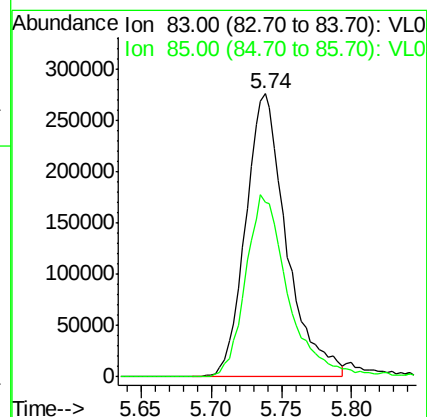
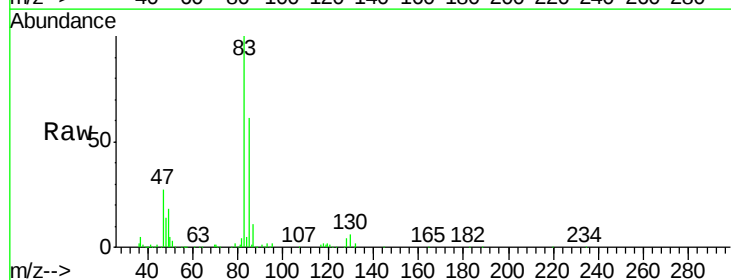
Instrument :
MSVOA_L
ClientSampleId :
C0P17DL

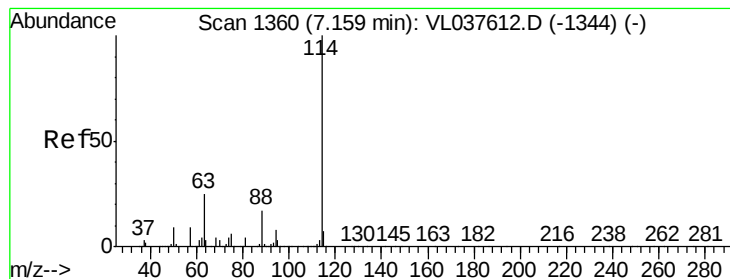
Tgt Ion: 57 Resp: 33034
Ion Ratio Lower Upper
57 100
41 103.7 70.9 106.3
43 114.5 170.4 255.6#
56 68.2 42.6 64.0#



#29
Chloroform
Concen: 2.200 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL037746.D
Acq: 1 Oct 2021 18:02

Tgt Ion: 83 Resp: 561957
Ion Ratio Lower Upper
83 100
85 61.5 52.6 79.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VL037746.D

Acq: 1 Oct 2021 18:02

Instrument :

MSVOA_L

ClientSampleId :

C0P17DL

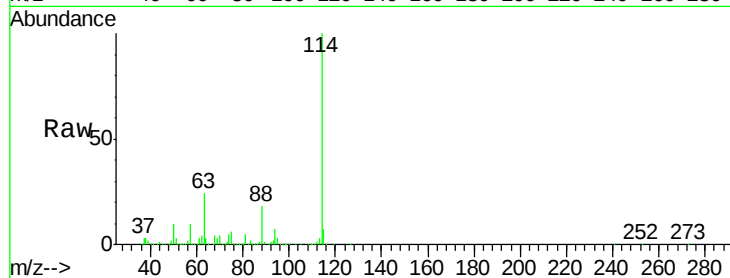
Tgt Ion:114 Resp: 4323021

Ion Ratio Lower Upper

114 100

63 24.0 19.6 29.4

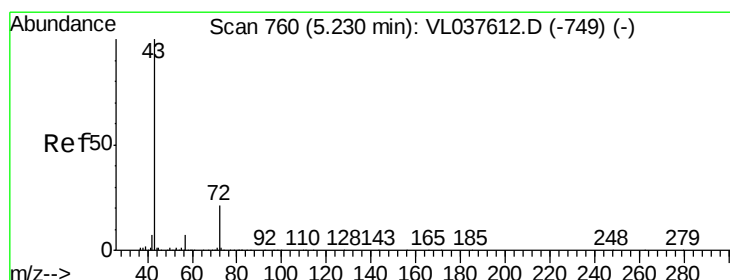
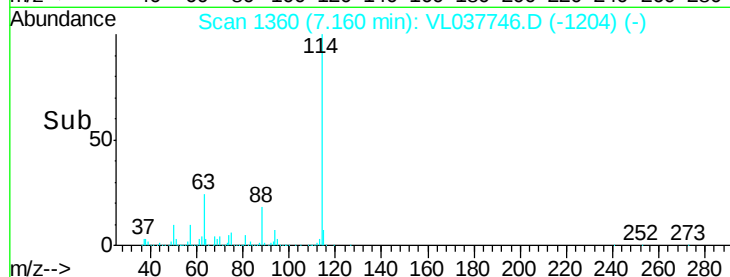
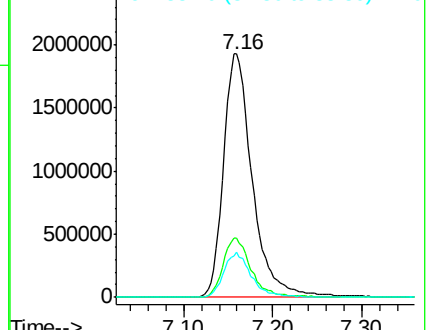
88 17.8 14.2 21.4



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



#34

2-Butanone

Concen: 0.109 ppbv

RT: 5.24 min Scan# 763

Delta R.T. 0.01 min

Lab File: VL037746.D

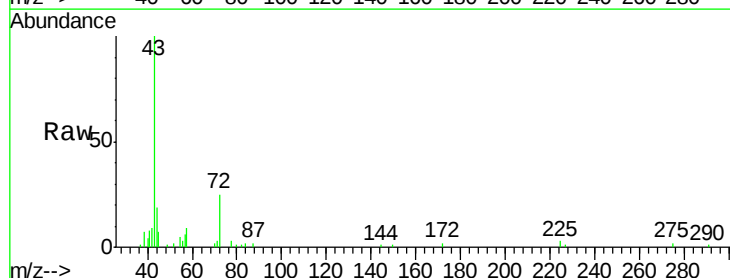
Acq: 1 Oct 2021 18:02

Tgt Ion: 43 Resp: 19131

Ion Ratio Lower Upper

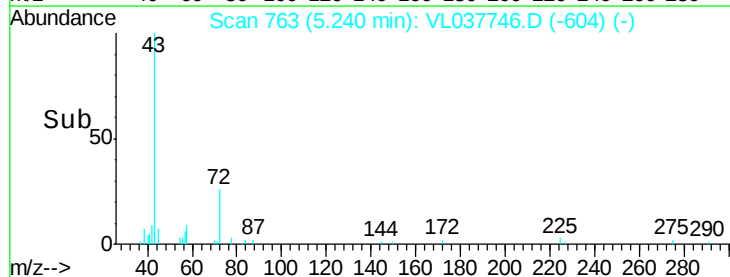
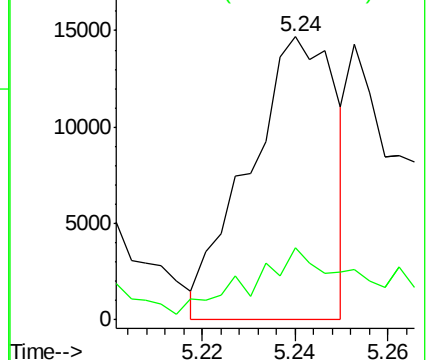
43 100

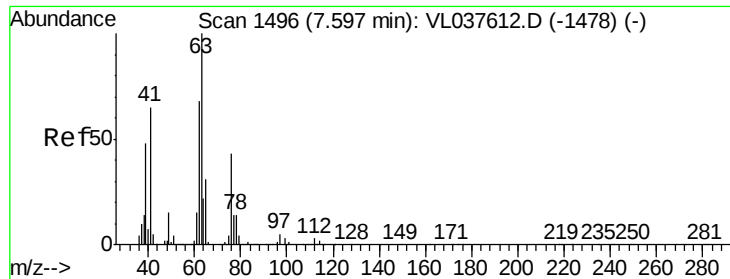
72 49.1 18.4 27.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#39

1,2-Dichloropropane

Concen: 7.329 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. -0.44 min

Lab File: VL037746.D

Acq: 1 Oct 2021 18:02

Instrument :

MSVOA_L

ClientSampleId :

C0P17DL

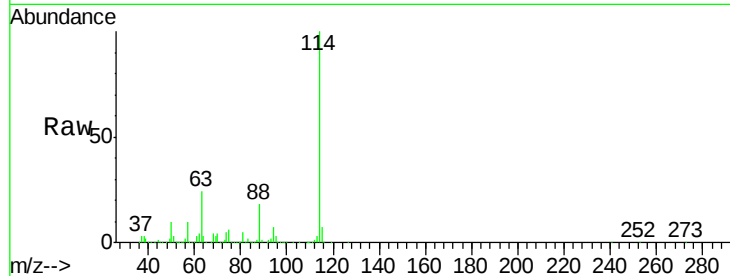
Tgt Ion: 63 Resp: 1011869

Ion Ratio Lower Upper

63 100

41 0.0 51.6 77.4#

62 16.8 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

600000

500000

400000

300000

200000

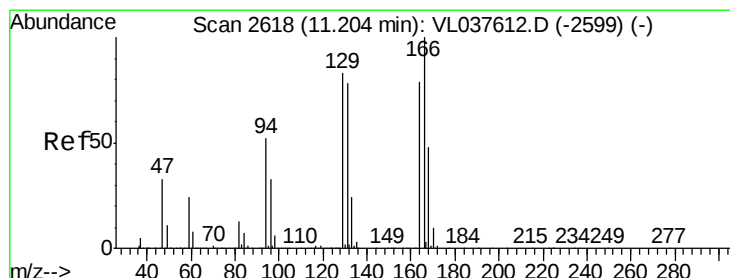
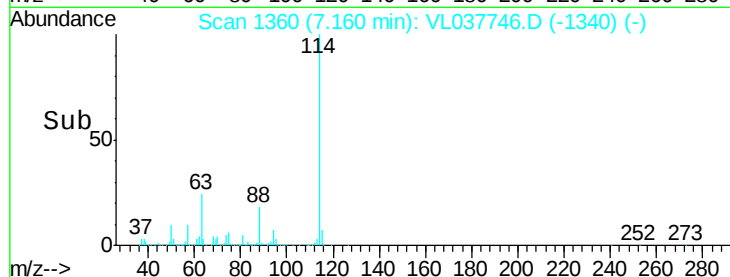
100000

0

7.16

7.05 7.10 7.15 7.20 7.25

Time-->



#52

Tetrachloroethene

Concen: 2.389 ppbv

RT: 11.20 min Scan# 2618

Delta R.T. 0.00 min

Lab File: VL037746.D

Acq: 1 Oct 2021 18:02

Tgt Ion: 164 Resp: 330588

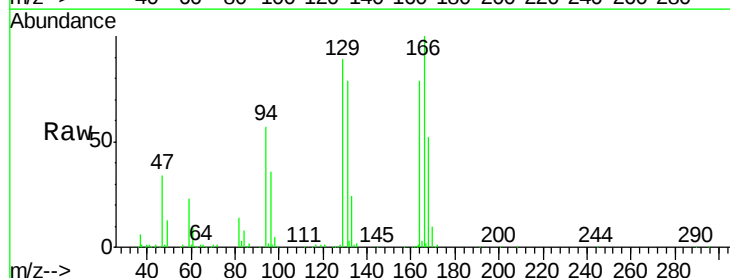
Ion Ratio Lower Upper

164 100

166 127.3 101.2 151.8

129 113.2 84.0 126.0

131 100.4 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

250000

200000

150000

100000

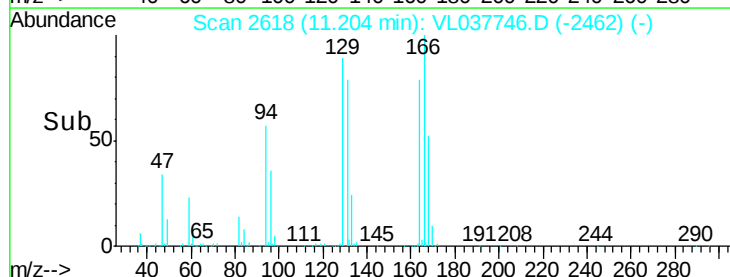
50000

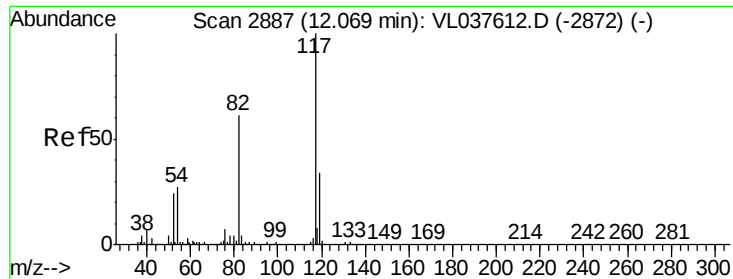
0

11.20

11.10 11.15 11.20 11.25

Time-->

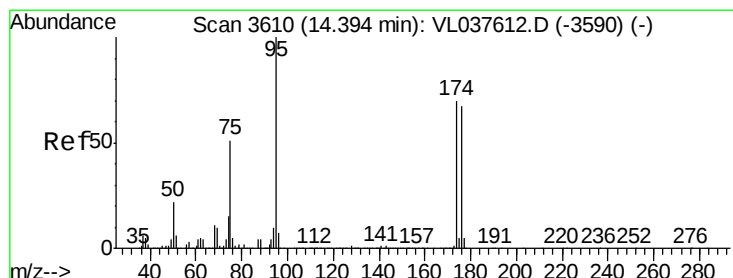
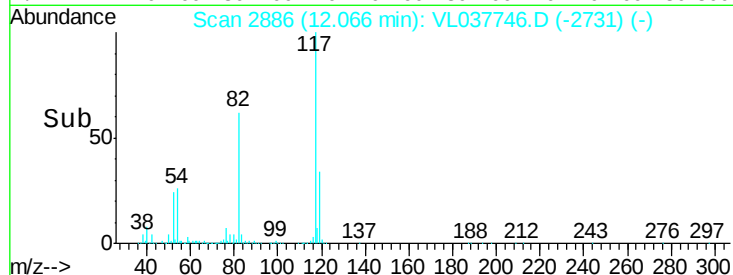
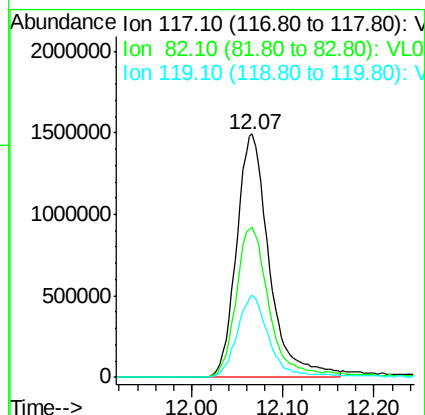
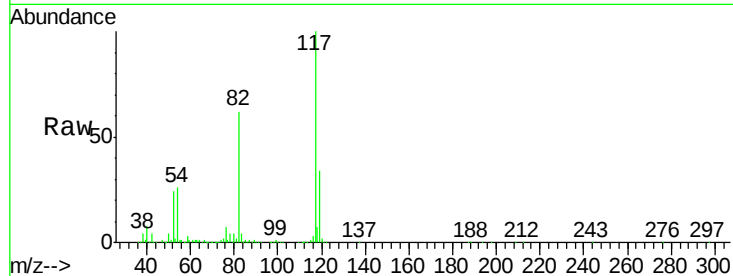




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.00 min
Lab File: VL037746.D
Acq: 1 Oct 2021 18:02

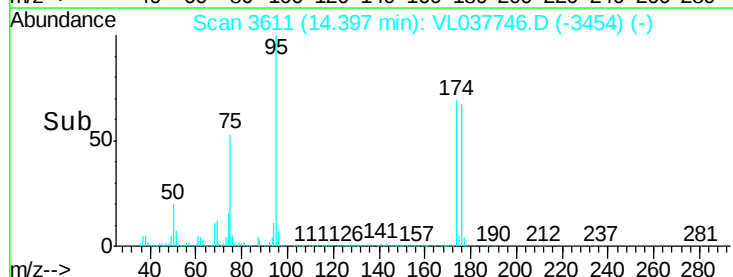
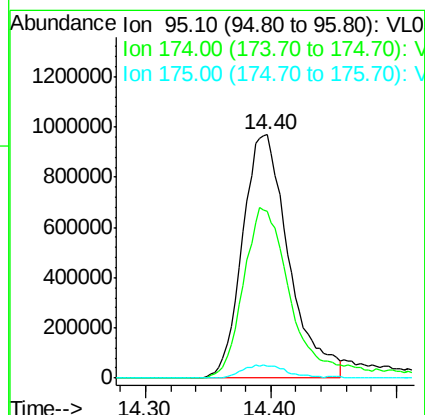
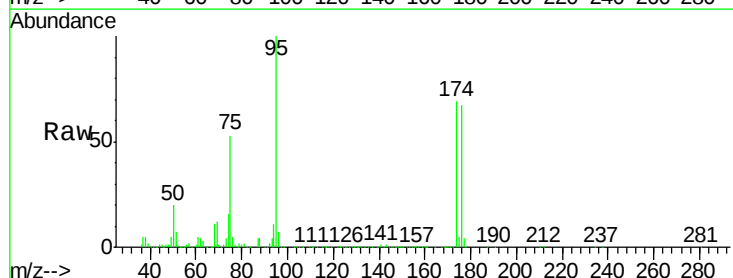
Instrument :
MSVOA_L
ClientSampleId :
C0P17DL

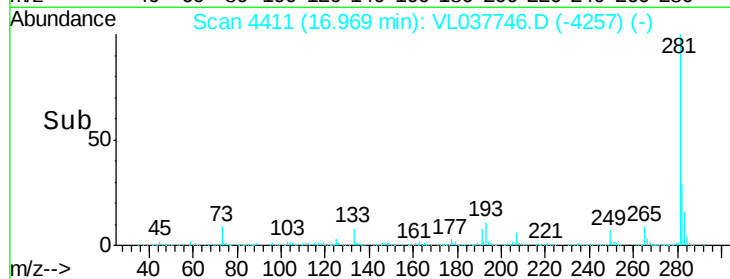
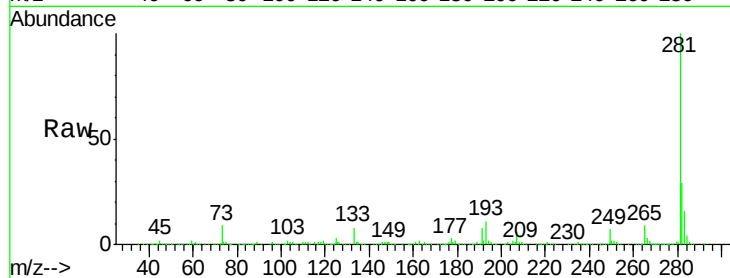
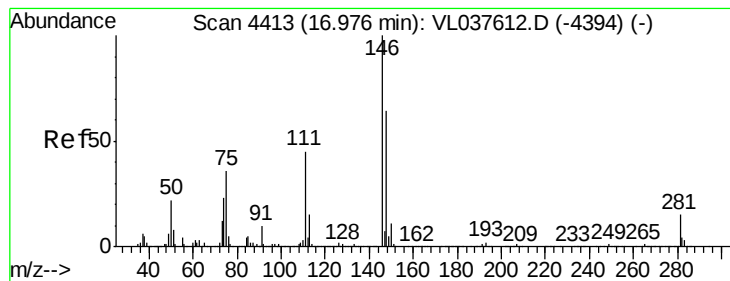
Tgt Ion: 117 Resp: 3729693
Ion Ratio Lower Upper
117 100
82 64.4 50.6 75.8
119 33.9 26.2 39.2



#68
1-Bromo-4-Fluorobenzene
Concen: 9.235 ppbv
RT: 14.40 min Scan# 3611
Delta R.T. 0.00 min
Lab File: VL037746.D
Acq: 1 Oct 2021 18:02

Tgt Ion: 95 Resp: 2489142
Ion Ratio Lower Upper
95 100
174 76.9 56.3 84.5
175 5.6 4.4 6.6





#75

1,3-Dichlorobenzene

Concen: 0.036 ppbv

RT: 16.97 min Scan# 4411

Delta R.T. -0.01 min

Lab File: VL037746.D

Acq: 1 Oct 2021 18:02

Instrument :

MSVOA_L

ClientSampleId :

C0P17DL

Tgt Ion:146 Resp: 10220

Ion Ratio Lower Upper

146 100

111 0.0 22.8 68.3#

148 0.0 32.1 96.5#

