

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100121\
 Data File : VL037751.D
 Acq On : 1 Oct 2021 21:13
 Operator : SY/AP
 Sample : M4012-07DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P09DL

Quant Time: Oct 02 01:35:55 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	1398282	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4078852	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3388834	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2395772	9.78	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.80%

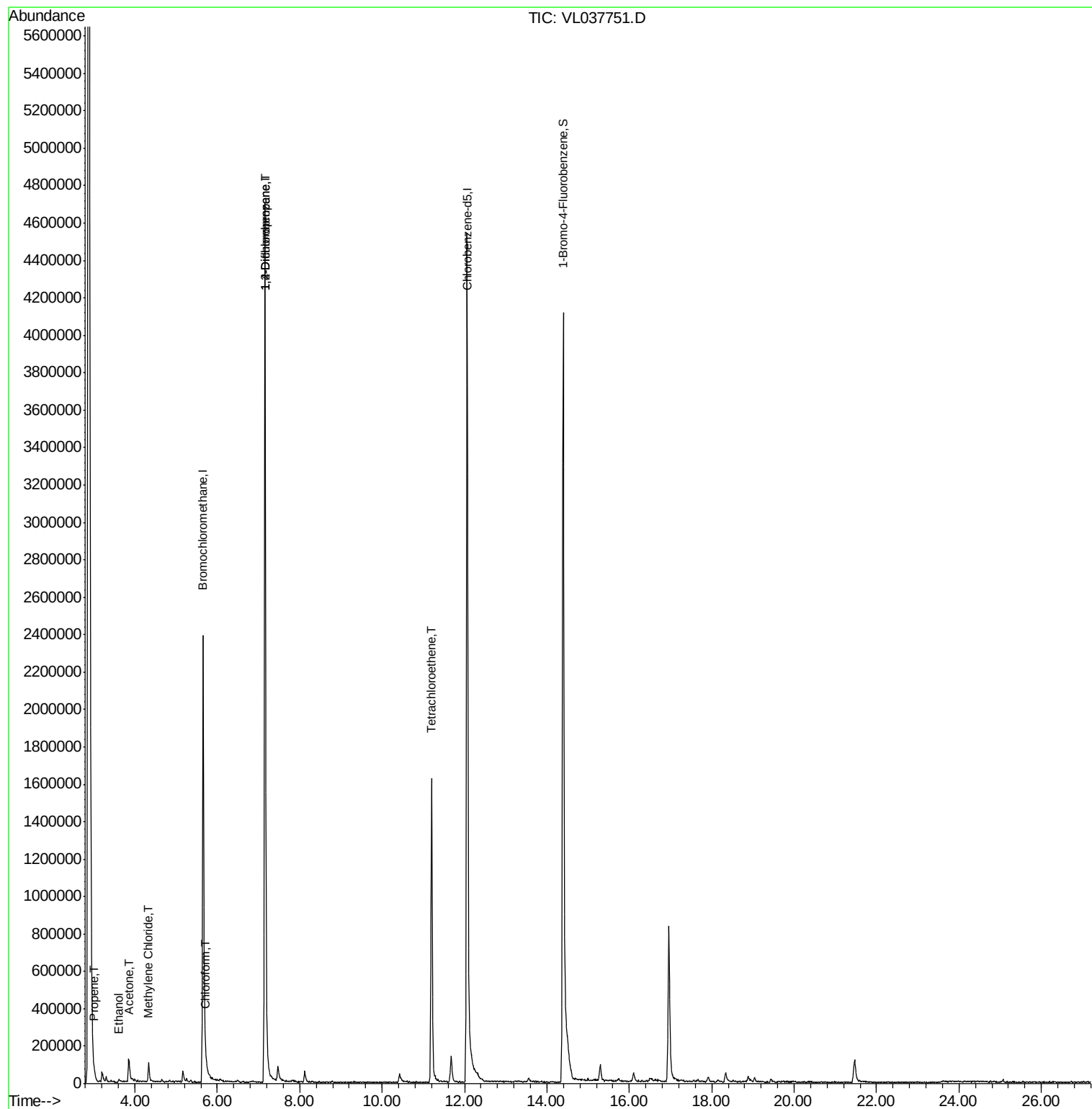
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.01	41	10022	0.108	ppbv #	14
13) Ethanol	3.61	45	7001	0.769	ppbv #	1
15) Acetone	3.84	43	169351	1.166	ppbv #	77
20) Methylene Chloride	4.34	84	37621	0.542	ppbv	91
29) Chloroform	5.73	83	10261	0.042	ppbv	85
39) 1,2-Dichloropropane	7.16	63	975232	7.486	ppbv #	27
52) Tetrachloroethene	11.20	164	442650	3.390	ppbv	96

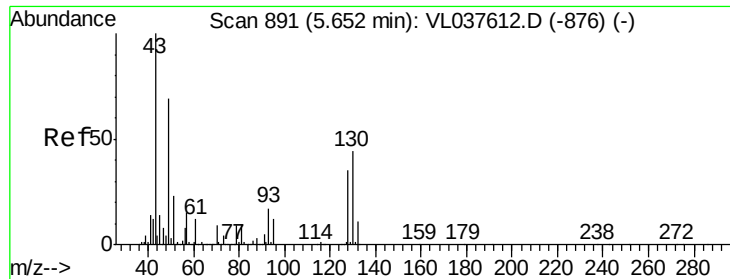
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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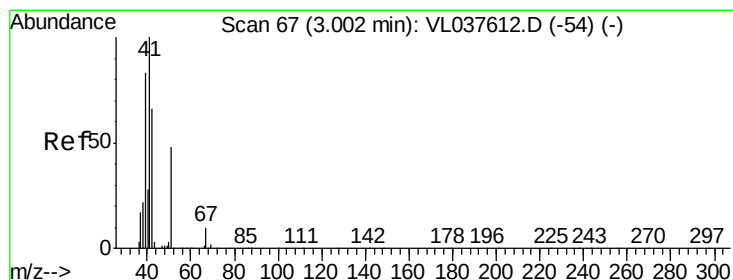
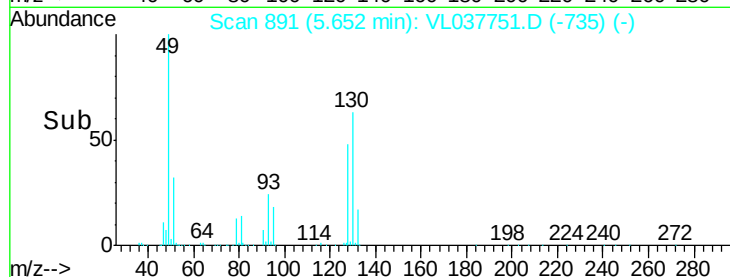
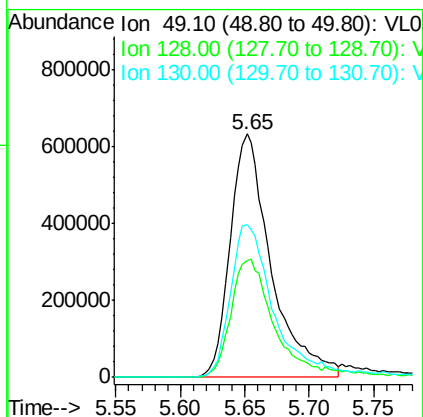
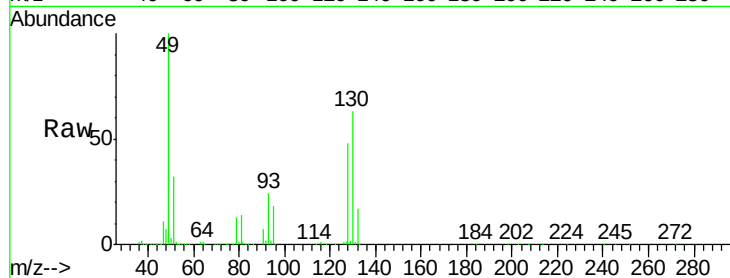




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: VL037751.D
 Acq: 1 Oct 2021 21:13

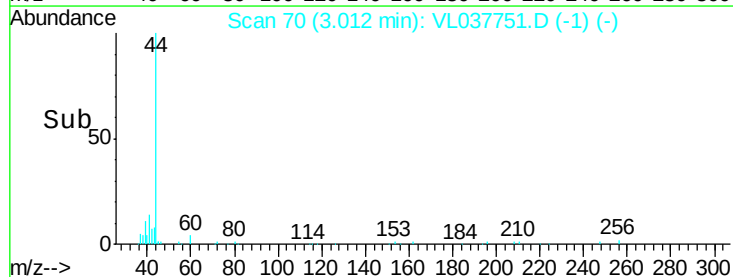
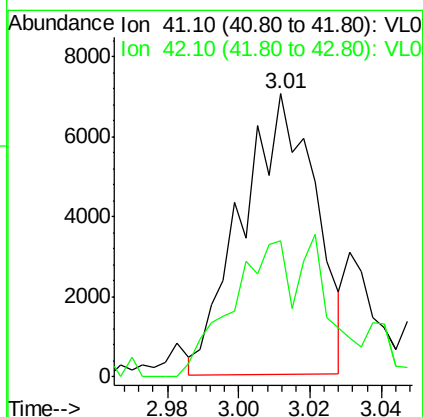
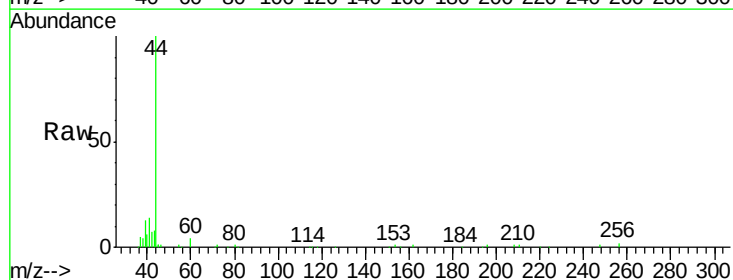
Instrument :
 MSVOA_L
 ClientSampleId :
 C0P09DL

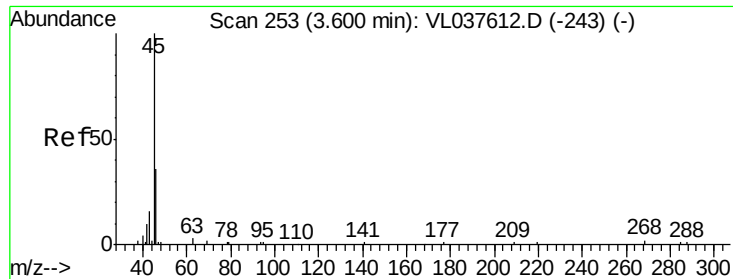
Tgt Ion: 49 Resp: 1398282
 Ion Ratio Lower Upper
 49 100
 128 54.0 27.9 83.6
 130 69.6 33.9 101.7



#9
 Propene
 Concen: 0.108 ppbv
 RT: 3.01 min Scan# 70
 Delta R.T. 0.01 min
 Lab File: VL037751.D
 Acq: 1 Oct 2021 21:13

Tgt Ion: 41 Resp: 10022
 Ion Ratio Lower Upper
 41 100
 42 0.0 57.2 85.8#

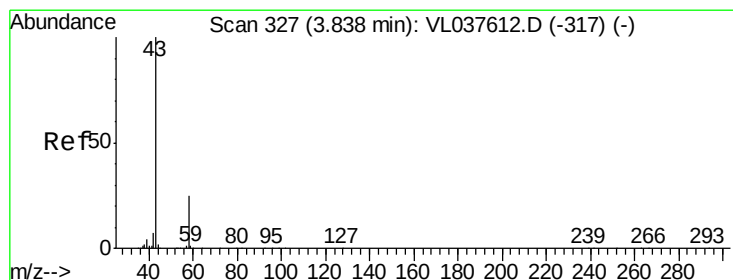
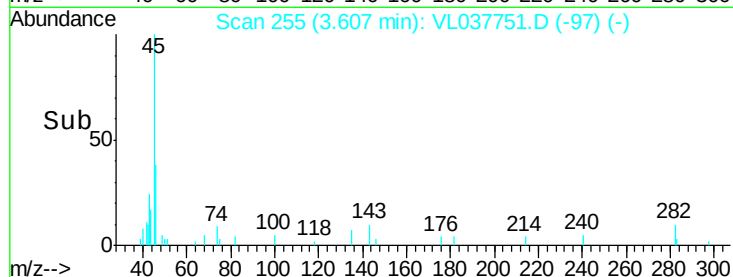
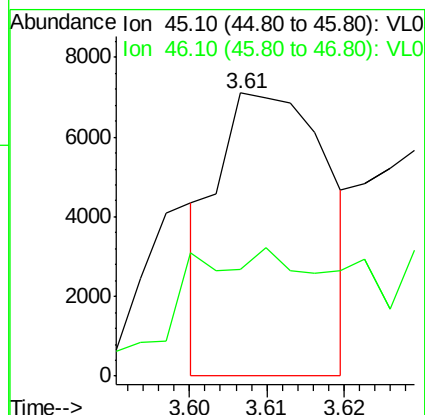
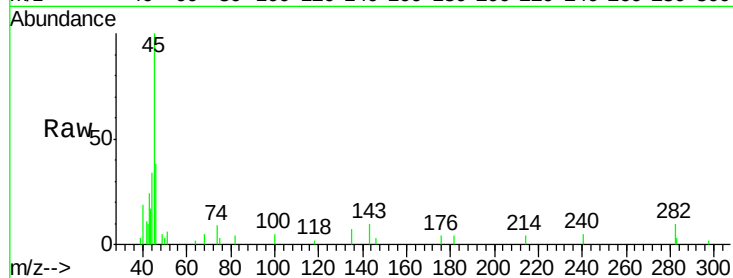




#13
Ethanol
Concen: 0.769 ppbv
RT: 3.61 min Scan# 255
Delta R.T. 0.01 min
Lab File: VL037751.D
Acq: 1 Oct 2021 21:13

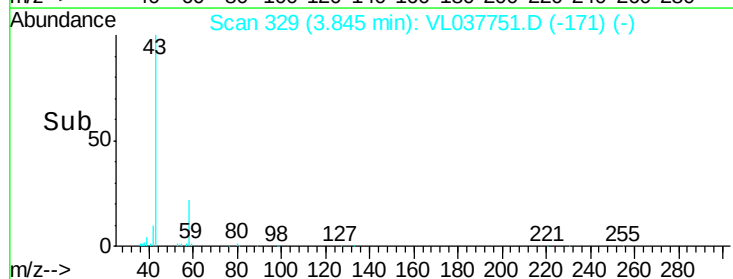
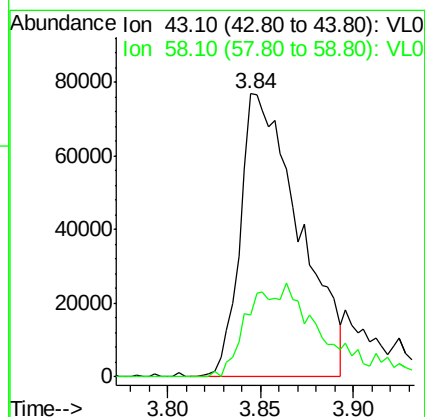
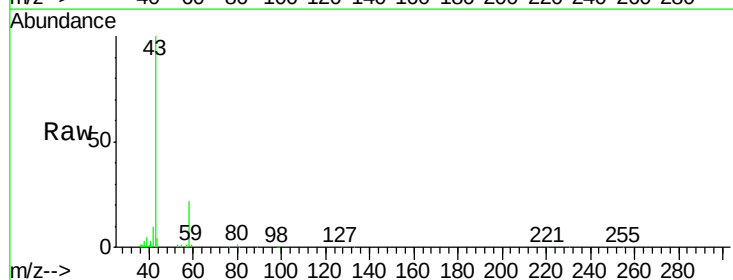
Instrument :
MSVOA_L
ClientSampleId :
C0P09DL

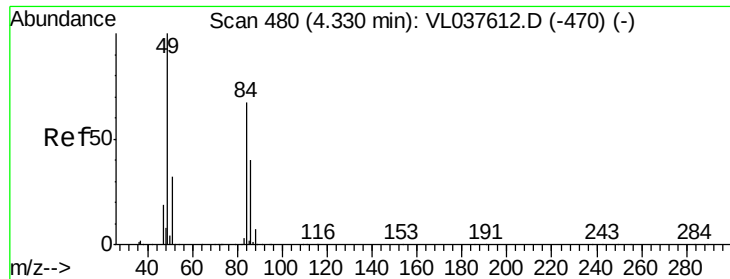
Tgt Ion: 45 Resp: 7001
Ion Ratio Lower Upper
45 100
46 138.7 17.2 68.8#



#15
Acetone
Concen: 1.166 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.01 min
Lab File: VL037751.D
Acq: 1 Oct 2021 21:13

Tgt Ion: 43 Resp: 169351
Ion Ratio Lower Upper
43 100
58 44.0 24.9 37.3#

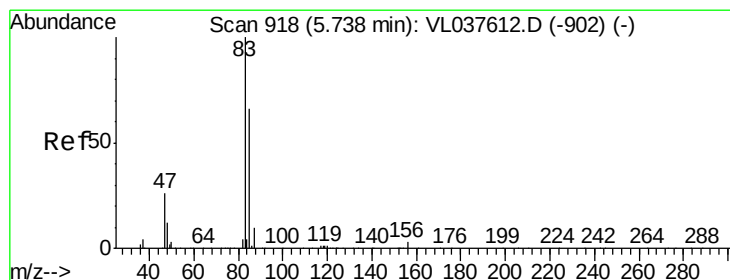
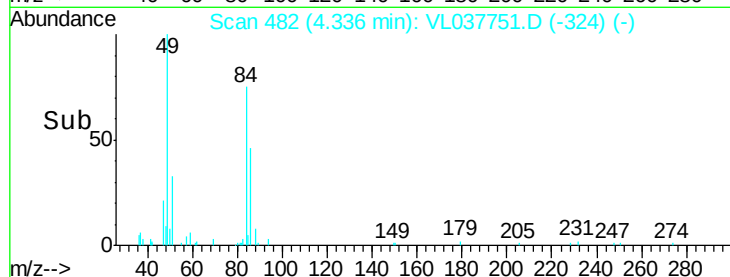
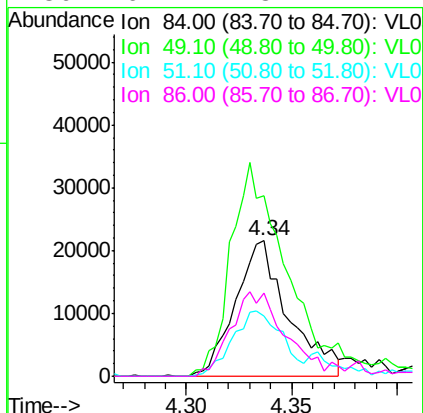
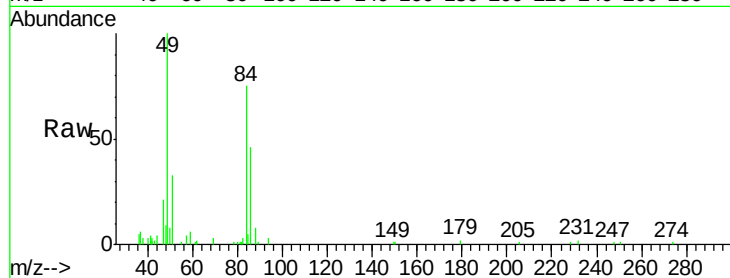




#20
Methylene Chloride
Concen: 0.542 ppbv
RT: 4.34 min Scan# 482
Delta R.T. 0.01 min
Lab File: VL037751.D
Acq: 1 Oct 2021 21:13

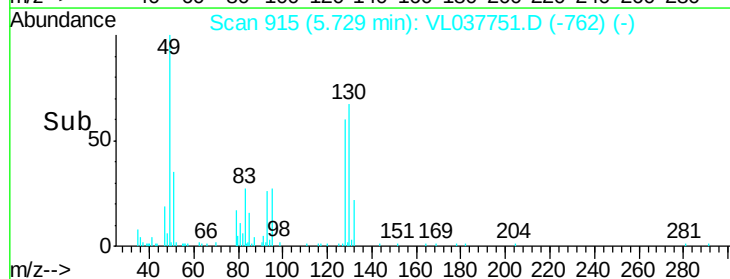
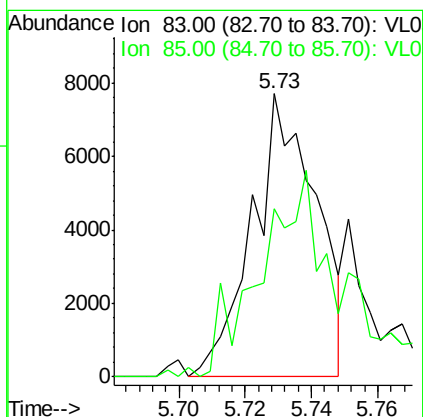
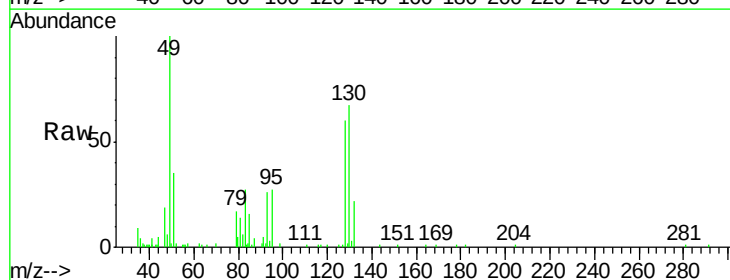
Instrument :
MSVOA_L
ClientSampleId :
C0P09DL

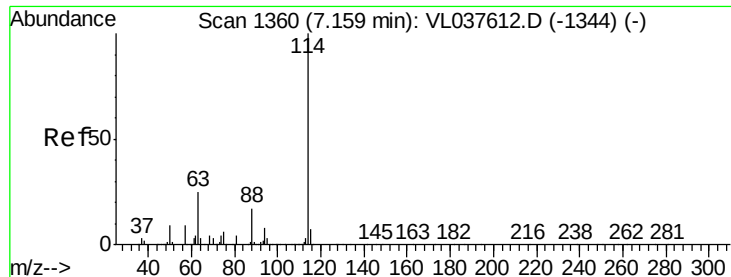
Tgt Ion:	84	Resp:	37621
Ion	Ratio	Lower	Upper
84	100		
49	133.4	120.0	180.0
51	42.4	38.0	57.0
86	61.2	48.2	72.2



#29
Chloroform
Concen: 0.042 ppbv
RT: 5.73 min Scan# 915
Delta R.T. -0.01 min
Lab File: VL037751.D
Acq: 1 Oct 2021 21:13

Tgt Ion:	83	Resp:	10261
Ion	Ratio	Lower	Upper
83	100		
85	53.6	52.6	79.0

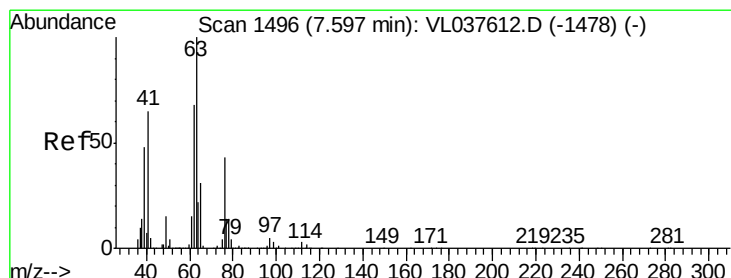
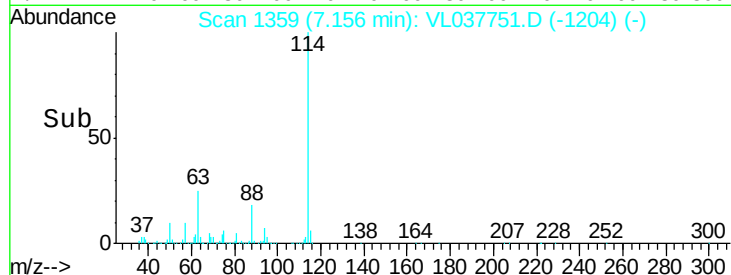
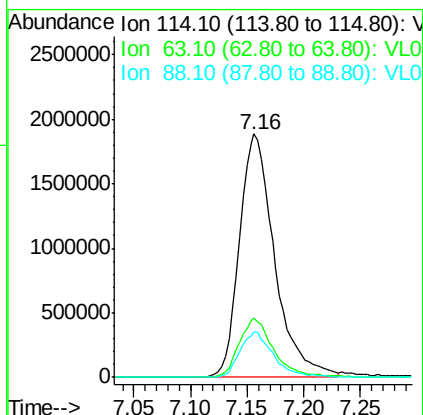
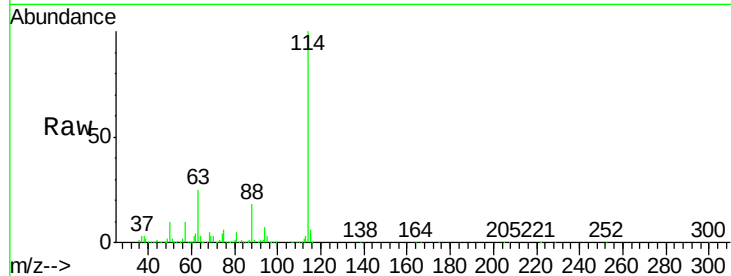




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL037751.D
 Acq: 1 Oct 2021 21:13

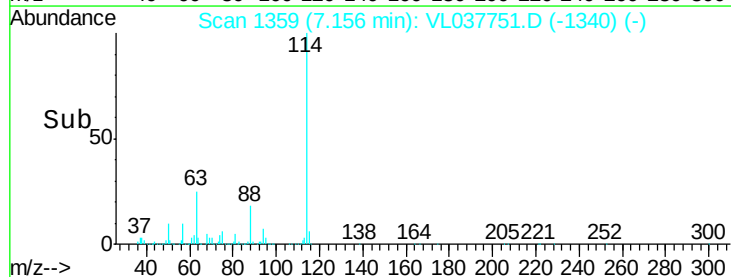
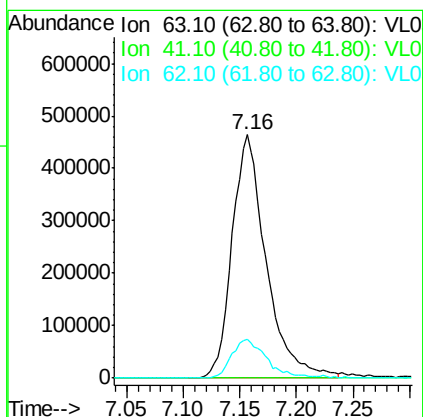
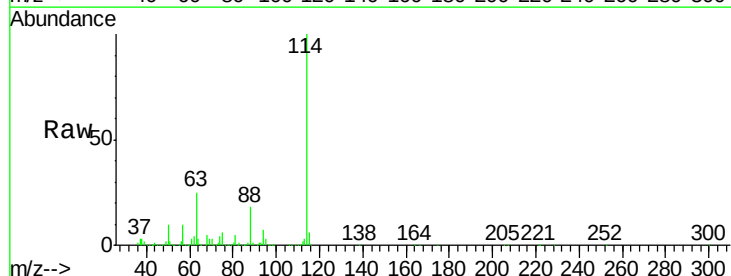
Instrument :
 MSVOA_L
 ClientSampleId :
 C0P09DL

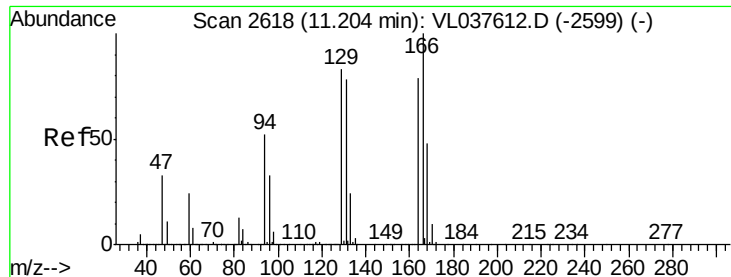
Tgt Ion: 114 Resp: 4078852
 Ion Ratio Lower Upper
 114 100
 63 24.5 19.6 29.4
 88 18.1 14.2 21.4



#39
 1,2-Dichloropropane
 Concen: 7.486 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.44 min
 Lab File: VL037751.D
 Acq: 1 Oct 2021 21:13

Tgt Ion: 63 Resp: 975232
 Ion Ratio Lower Upper
 63 100
 41 0.0 51.6 77.4#
 62 16.2 54.6 81.8#





#52

Tetrachloroethene

Concen: 3.390 ppbv

RT: 11.20 min Scan# 2617

Delta R.T. -0.00 min

Lab File: VL037751.D

Acq: 1 Oct 2021 21:13

Instrument :

MSVOA_L

ClientSampleId :

C0P09DL

Tgt Ion:164 Resp: 442650

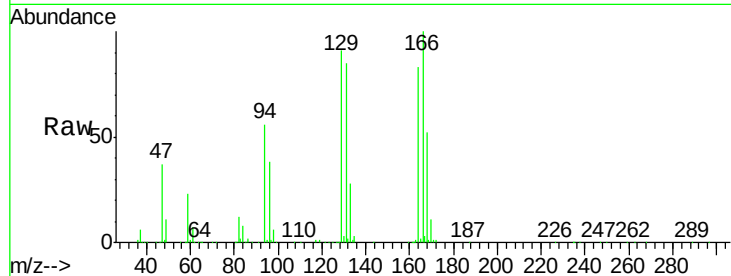
Ion Ratio Lower Upper

164 100

166 120.6 101.2 151.8

129 109.2 84.0 126.0

131 102.5 78.8 118.2

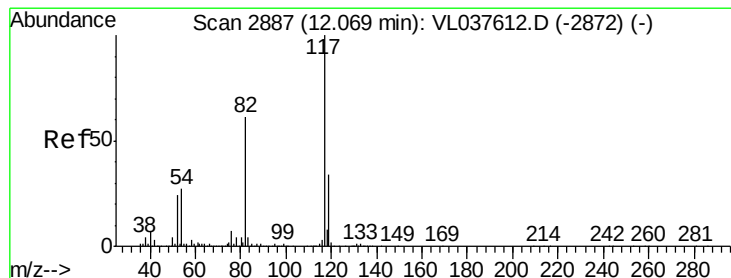
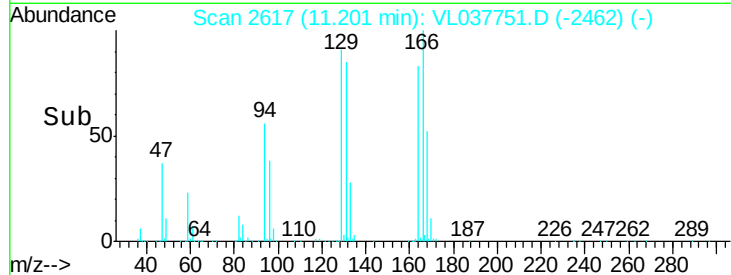
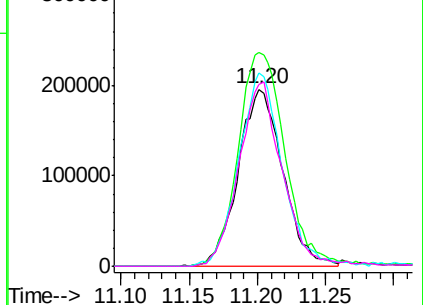


Abundance Ion 163.90 (163.60 to 164.60): V

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: VL037751.D

Acq: 1 Oct 2021 21:13

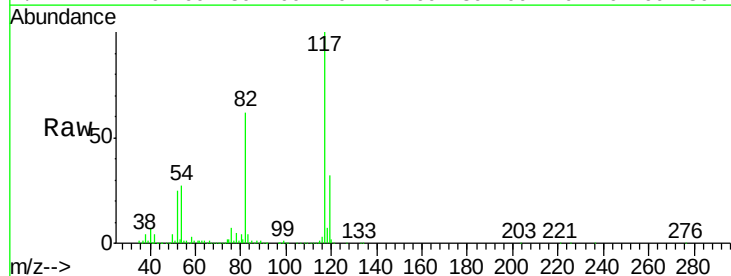
Tgt Ion:117 Resp: 3388834

Ion Ratio Lower Upper

117 100

82 67.8 50.6 75.8

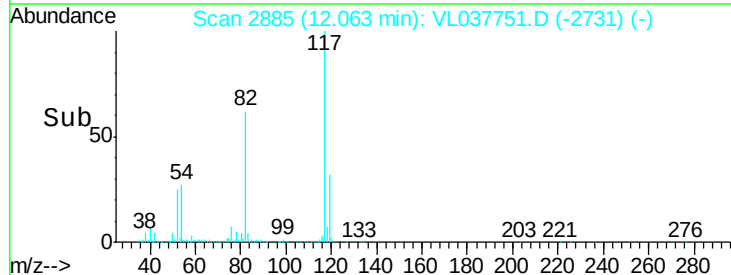
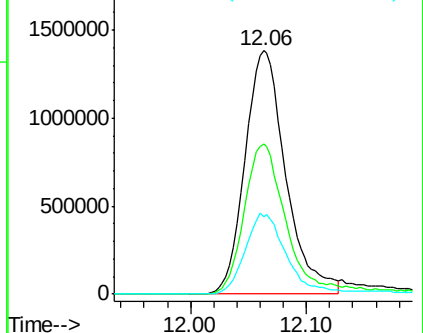
119 36.0 26.2 39.2

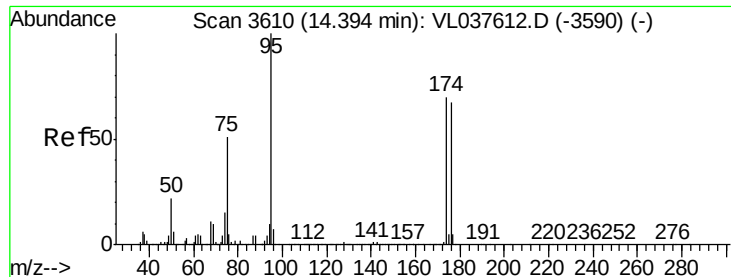


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.782 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.00 min

Lab File: VL037751.D

Acq: 1 Oct 2021 21:13

Instrument :

MSVOA_L

ClientSampleId :

C0P09DL

Tgt Ion: 95 Resp: 2395772

Ion Ratio Lower Upper

95 100

174 75.6 56.3 84.5

175 5.7 4.4 6.6

