

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111021\
 Data File : VL038017.D
 Acq On : 10 Nov 2021 21:31
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 11 03:44:05 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 02 05:54:07 2021
 QLast Update : Tue Nov 02 05:54:07 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1303233	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	3930343	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	3429466	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2430179	9.75	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.50%

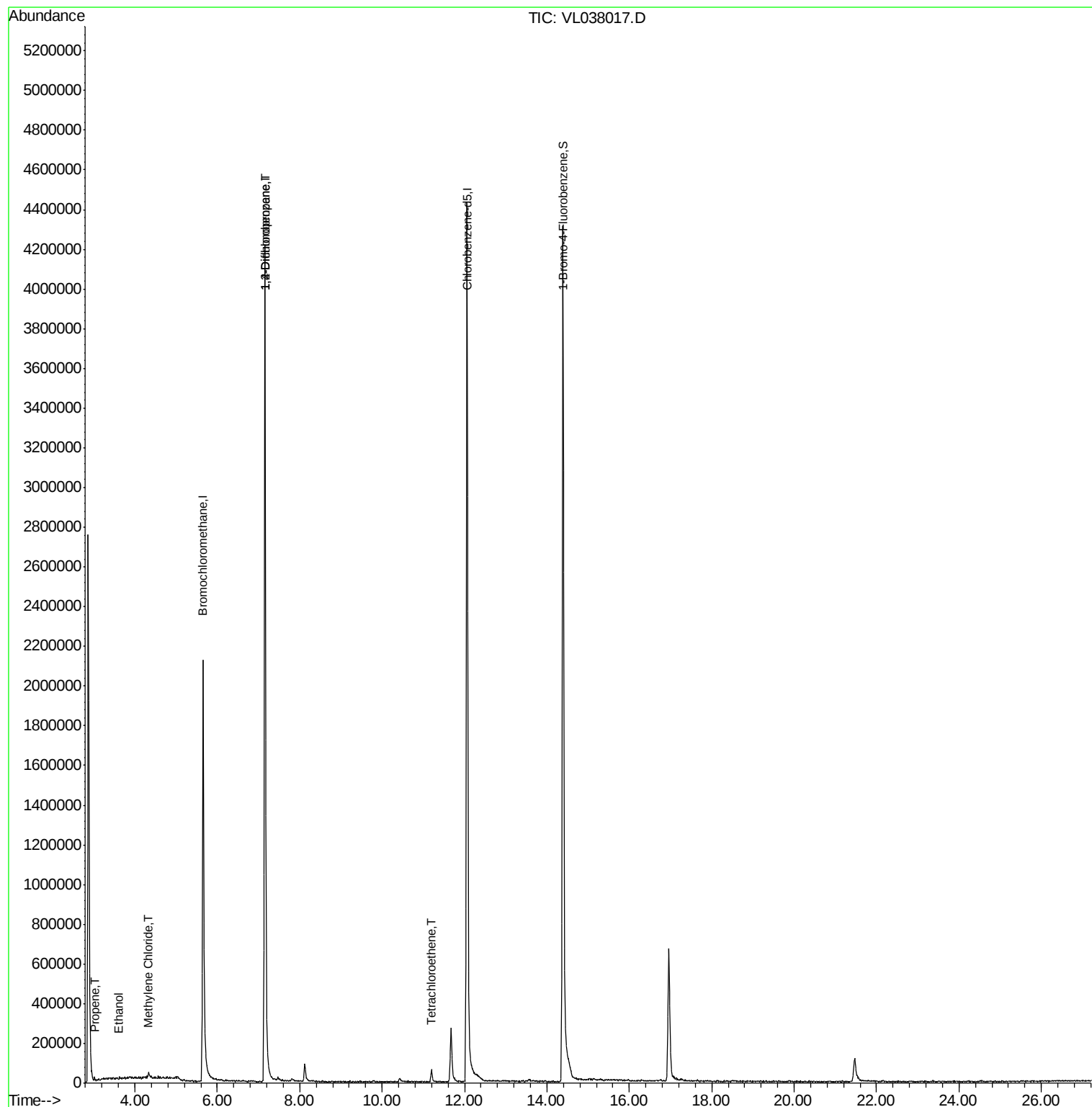
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	2639	0.030	ppbv #	14
13) Ethanol	3.60	45	275	0.031	ppbv #	32
20) Methylene Chloride	4.33	84	6557	0.111	ppbv	96
39) 1,2-Dichloropropane	7.15	63	897169	7.450	ppbv #	27
52) Tetrachloroethene	11.19	164	6974	0.057	ppbv #	59

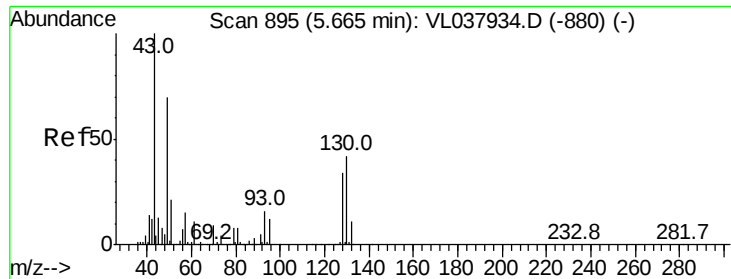
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL111021\
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument:

Delta R.T. MSVOA_L

Lab File:

Acq: 10 Nov 2021 21:31

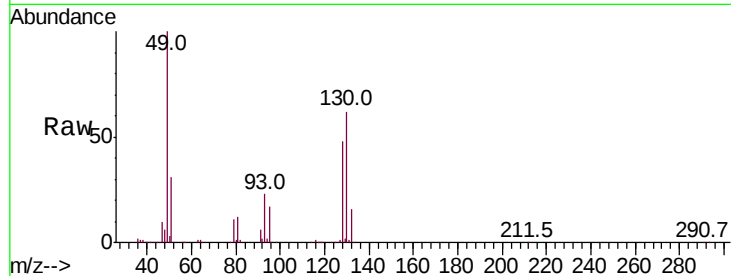
Tot Ion: 49 Resp: 1303233

Ion Ratio Lower Upper

49 100

128 52.5 27.0 81.0

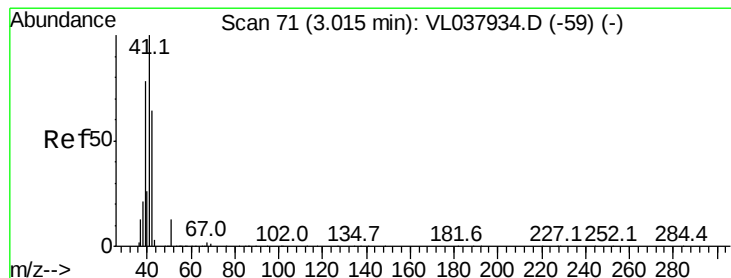
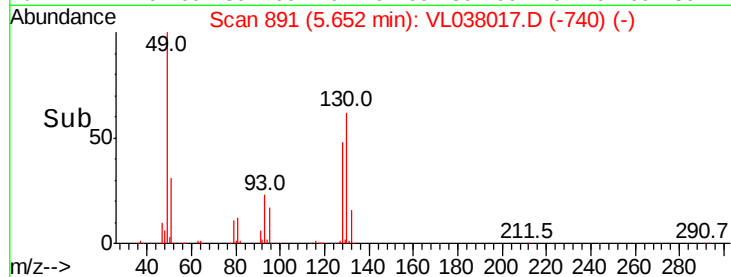
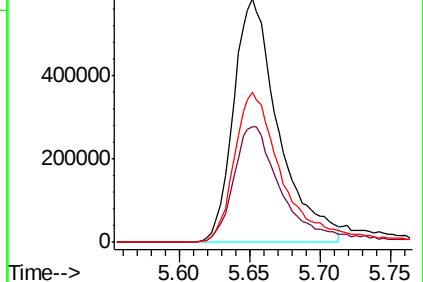
130 68.4 33.4 100.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.030 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.01 min

Lab File: VL038017.D

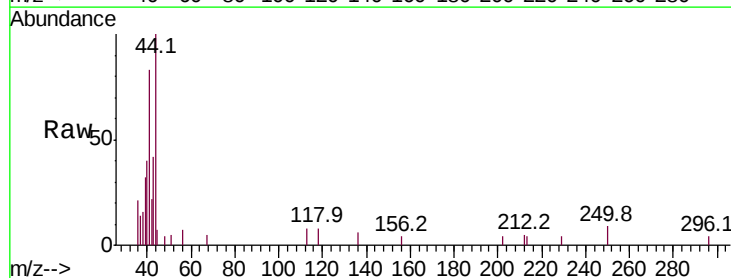
Acq: 10 Nov 2021 21:31

Tgt Ion: 41 Resp: 2639

Ion Ratio Lower Upper

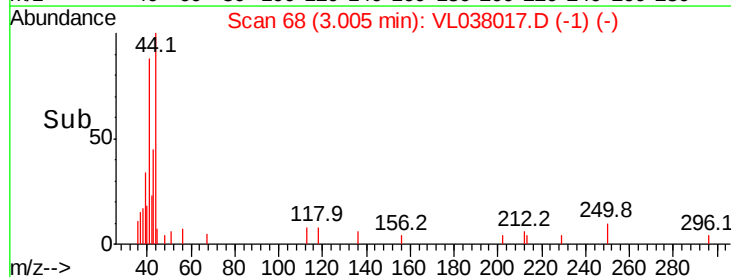
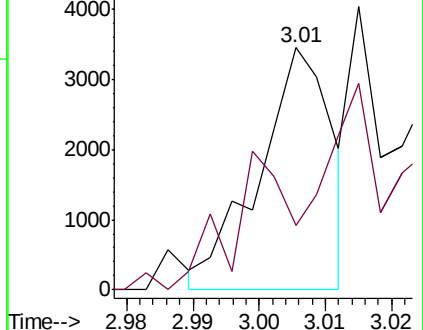
41 100

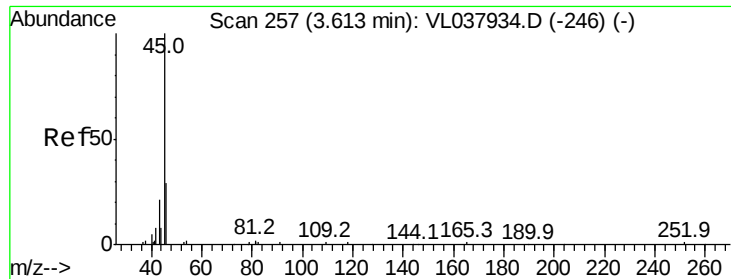
42 0.0 57.6 86.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

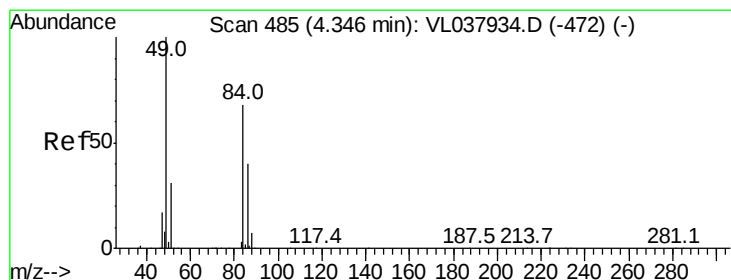
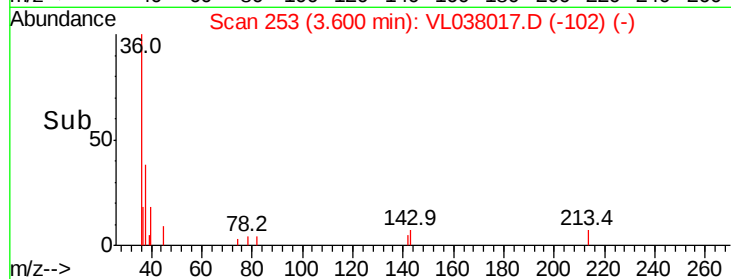
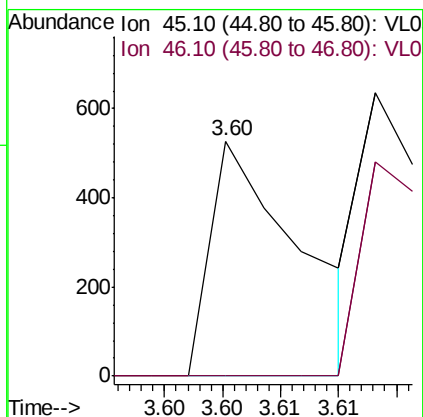
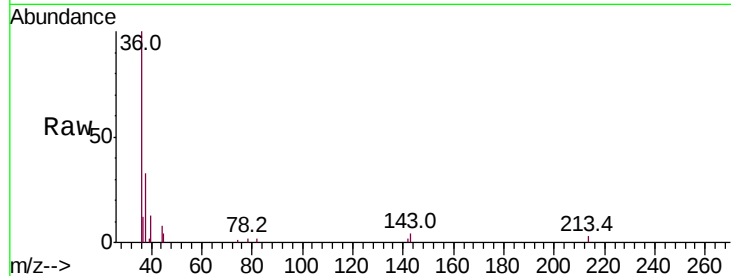
Ion 42.10 (41.80 to 42.80): VL0





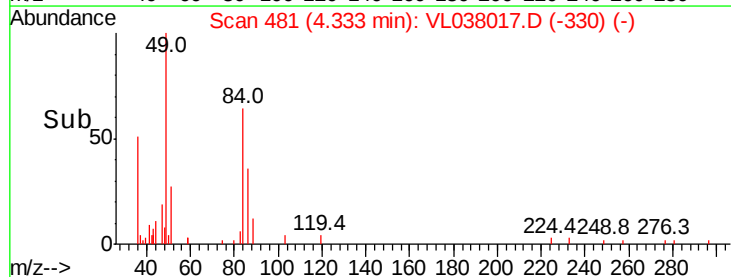
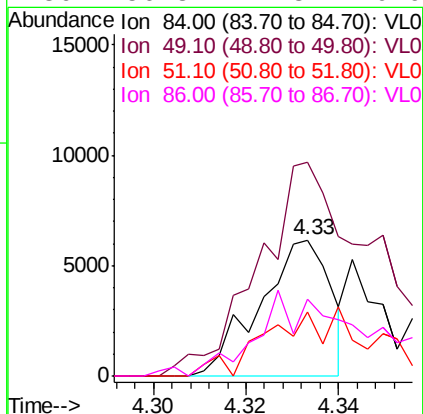
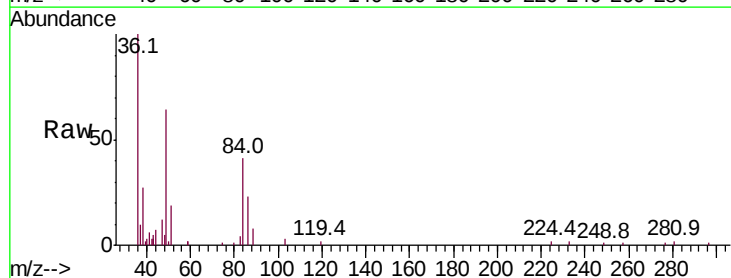
#13
Ethanol
Concen: 0.031 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 10 Nov 2021 21:31

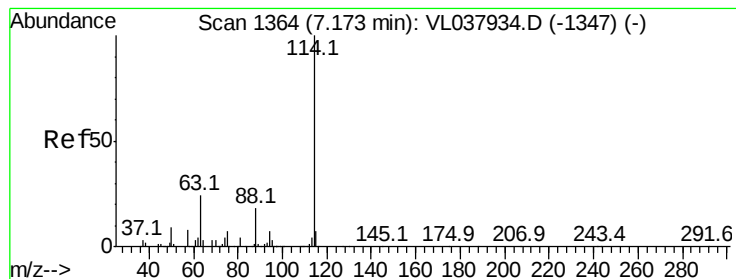
Tot Ion: 45 Resp: 275
Ion Ratio Lower Upper
45 100
46 0.0 17.4 69.8#



#20
Methylene Chloride
Concen: 0.111 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL038017.D
Acq: 10 Nov 2021 21:31

Tgt Ion: 84 Resp: 6557
Ion Ratio Lower Upper
84 100
49 140.9 117.5 176.3
51 46.6 35.9 53.9
86 56.3 47.3 70.9





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 10 Nov 2021 21:31

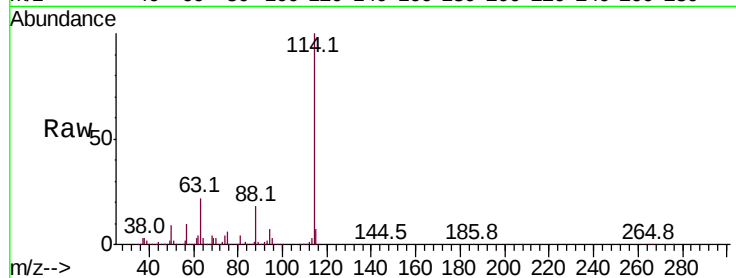
Tot Ion:114 Resp: 3930343

Ion Ratio Lower Upper

114 100

63 23.8 19.4 29.0

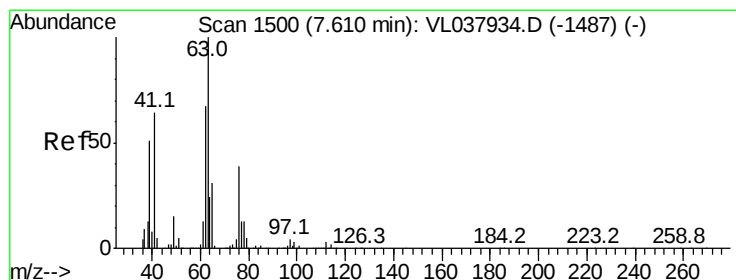
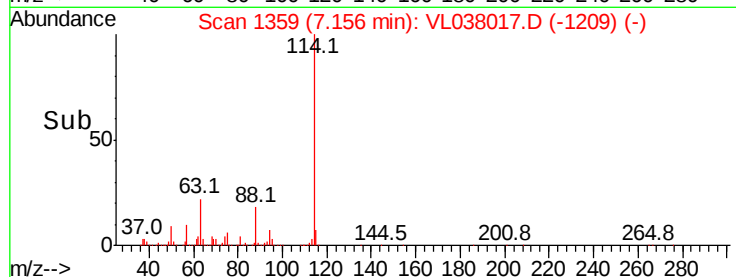
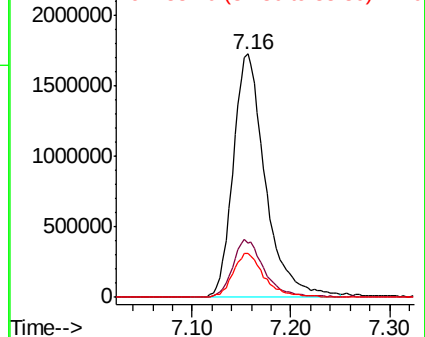
88 17.9 14.2 21.4



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: 7.450 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.46 min

Lab File: VL038017.D

Acq: 10 Nov 2021 21:31

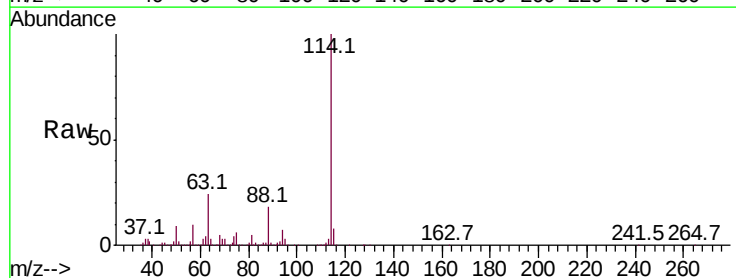
Tgt Ion: 63 Resp: 897169

Ion Ratio Lower Upper

63 100

41 0.0 51.6 77.4#

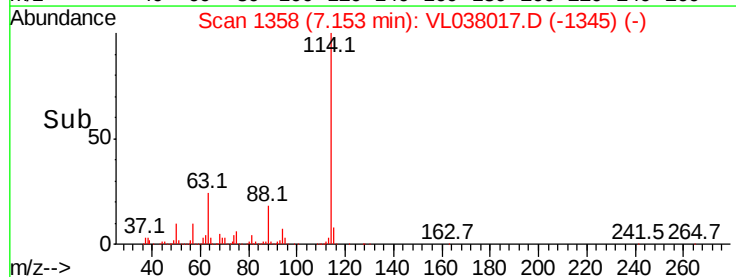
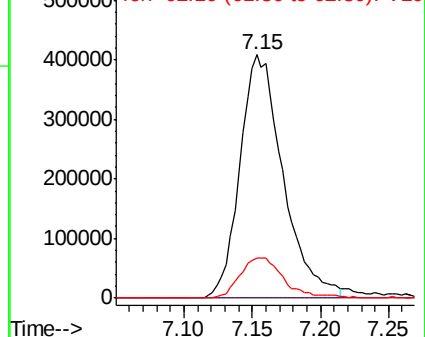
62 16.2 53.5 80.3#

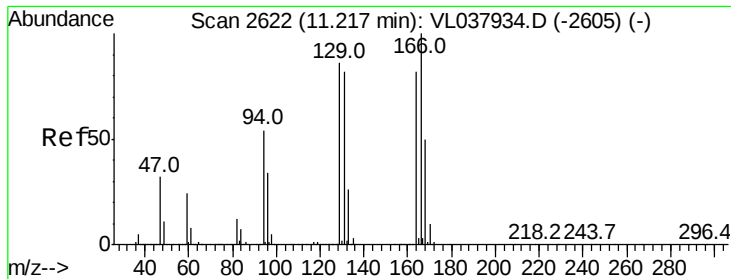


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#52

Tetrachloroethene

Concen: 0.057 ppbv

RT: 11.19

Delta R.T. MSVOA_L

Lab File:

Acq: 10 Nov 2021 21:31

Tot Ion:164 Resp: 6974

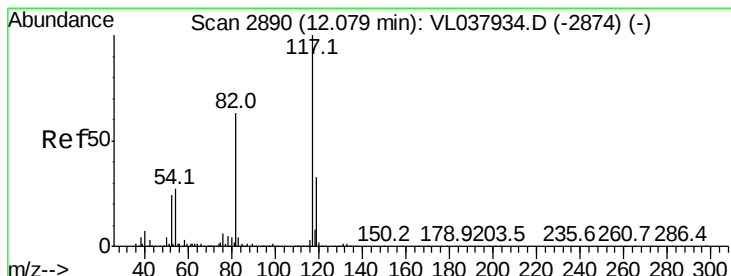
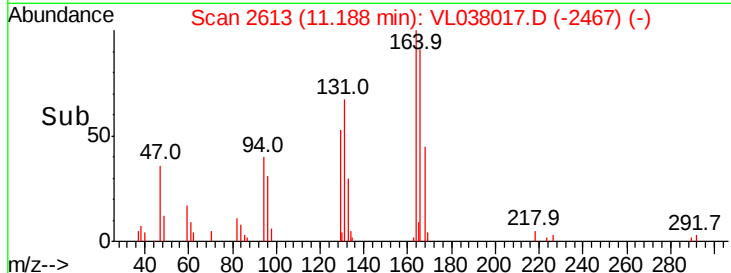
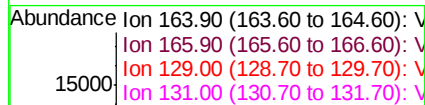
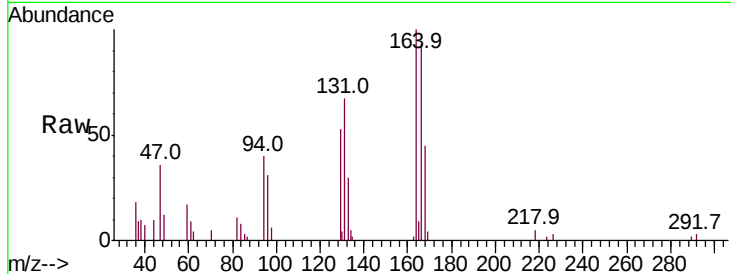
Ion Ratio Lower Upper

164 100

166 85.5 97.6 146.4#

129 53.2 84.2 126.2#

131 59.8 79.6 119.4#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2884

Delta R.T. -0.02 min

Lab File: VL038017.D

Acq: 10 Nov 2021 21:31

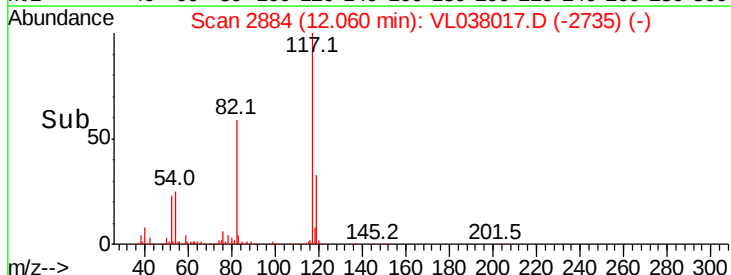
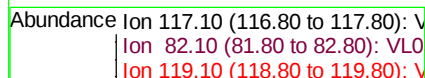
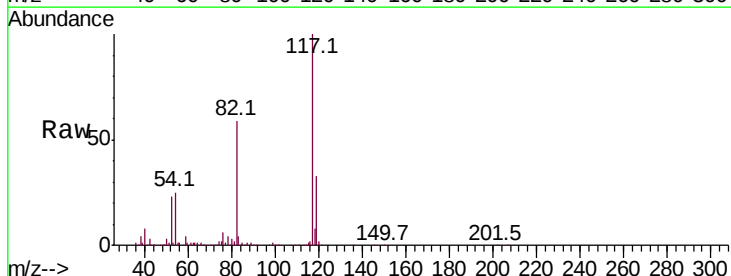
Tgt Ion:117 Resp: 3429466

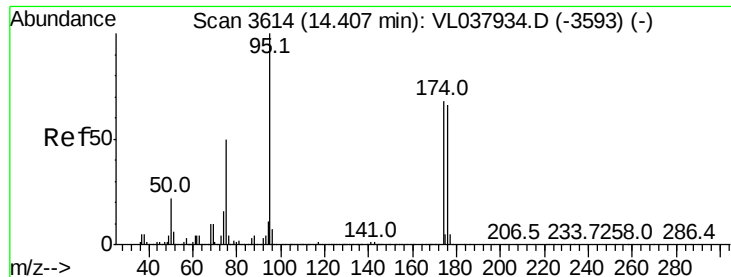
Ion Ratio Lower Upper

117 100

82 62.4 51.0 76.6

119 33.5 26.9 40.3





#68

1-Bromo-4-Fluorobenzene

Concen: 9.749 ppbv

RT: 14.39

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 10 Nov 2021 21:31

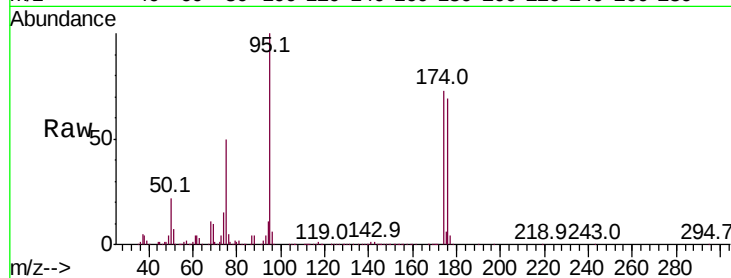
Tot Ion: 95 Resp: 2430179

Ion Ratio Lower Upper

95 100

174 76.6 58.3 87.5

175 5.7 4.6 6.8



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

