

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111021\
 Data File : VL038015.D
 Acq On : 10 Nov 2021 18:43
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 11 03:43:53 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	5.66	49	1375734	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4010800	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3489598	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2476453	9.76	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

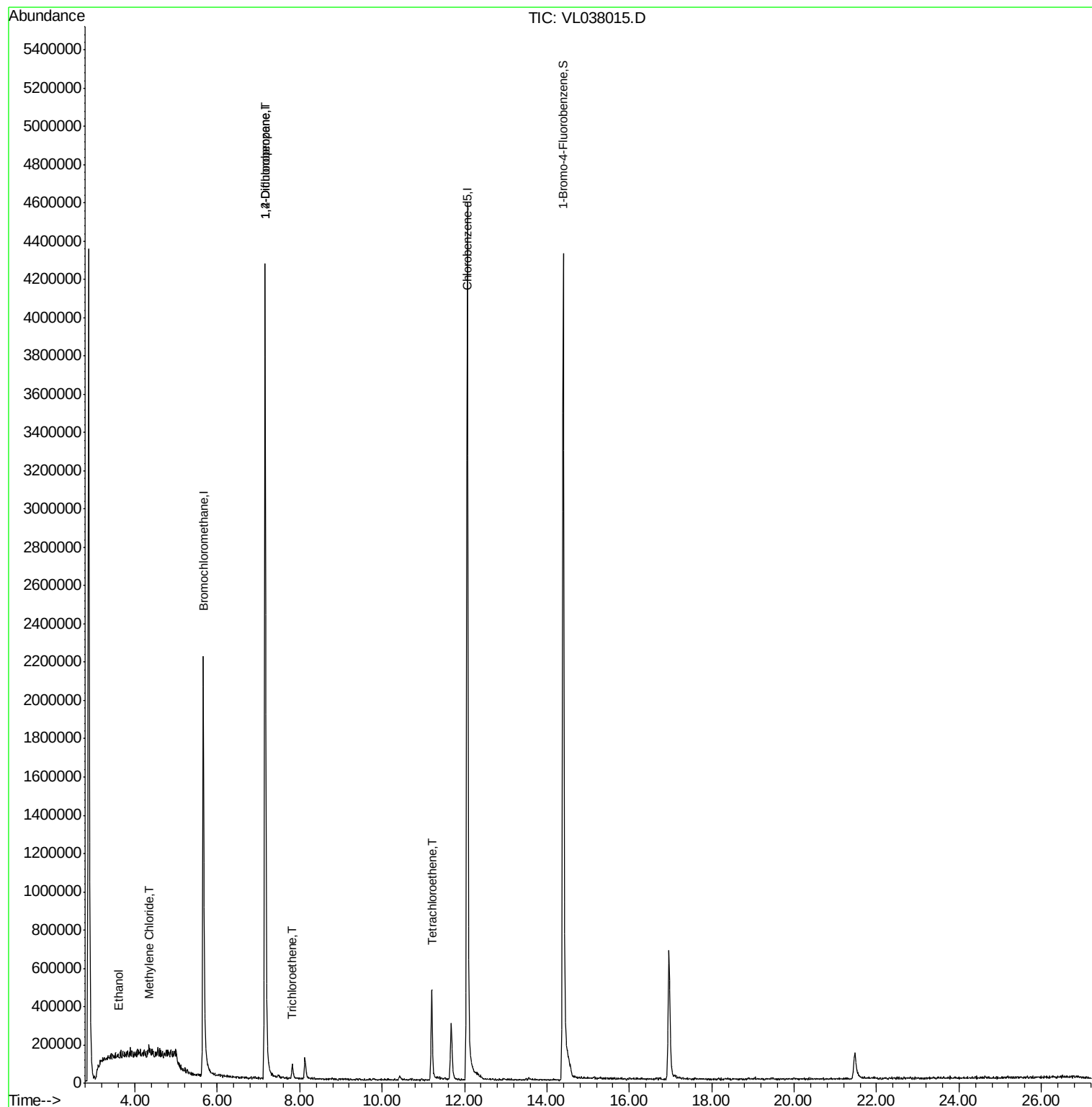
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.61	45	409	0.044	ppbv #	32
20) Methylene Chloride	4.34	84	4030	0.065	ppbv #	52
38) Trichloroethene	7.82	130	26134	0.193	ppbv #	79
39) 1,2-Dichloropropane	7.16	63	937875	7.631	ppbv #	28
52) Tetrachloroethene	11.20	164	71876	0.580	ppbv	92

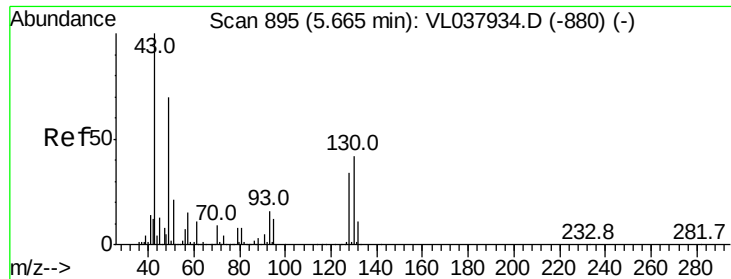
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 Nov 2021 18:43

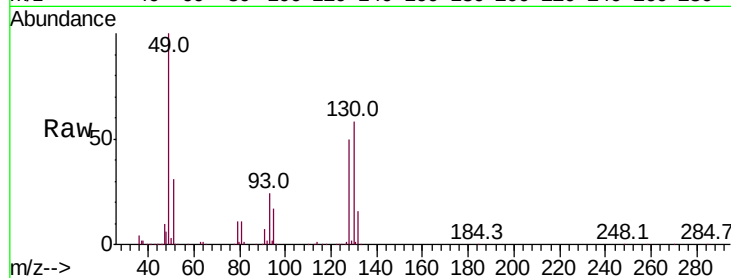
Tot Ion: 49 Resp: 1375734

Ion Ratio Lower Upper

49 100

128 52.3 27.0 81.0

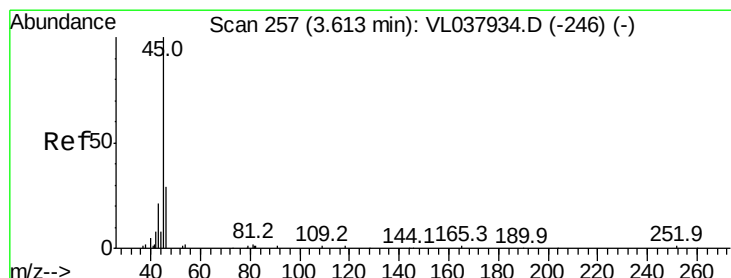
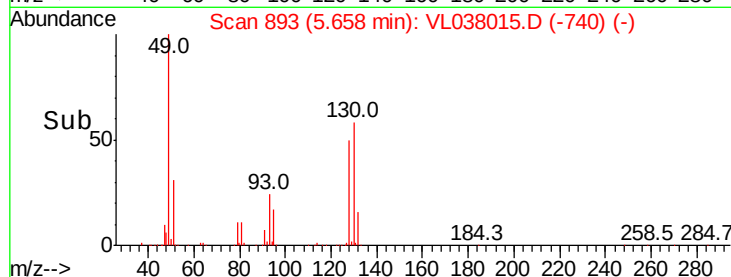
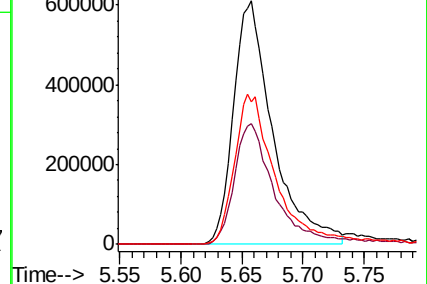
130 66.2 33.4 100.2



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



#13

Ethanol

Concen: 0.044 ppbv

RT: 3.61 min Scan# 257

Delta R.T. -0.00 min

Lab File: VL038015.D

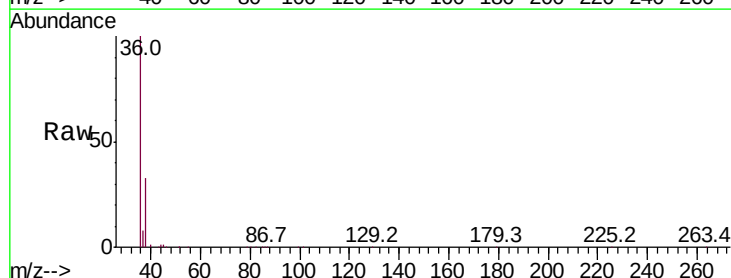
Acq: 10 Nov 2021 18:43

Tgt Ion: 45 Resp: 409

Ion Ratio Lower Upper

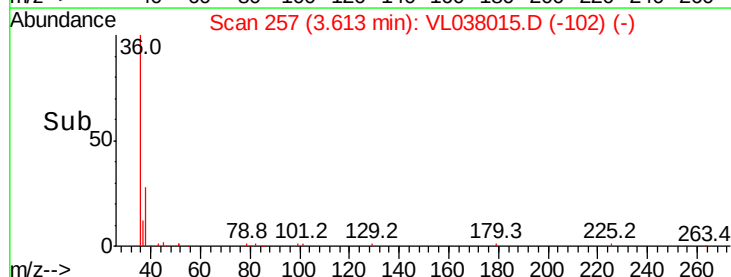
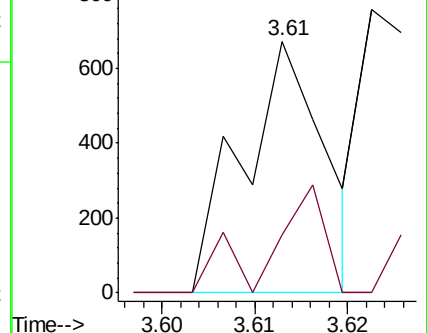
45 100

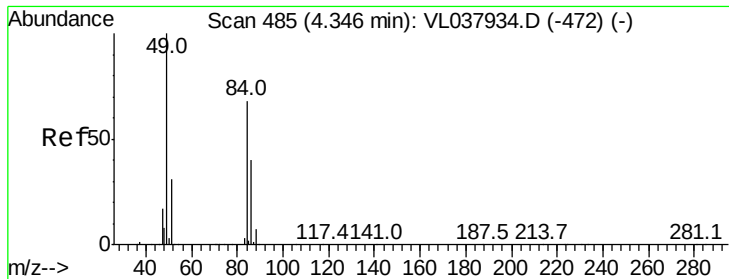
46 0.0 17.4 69.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

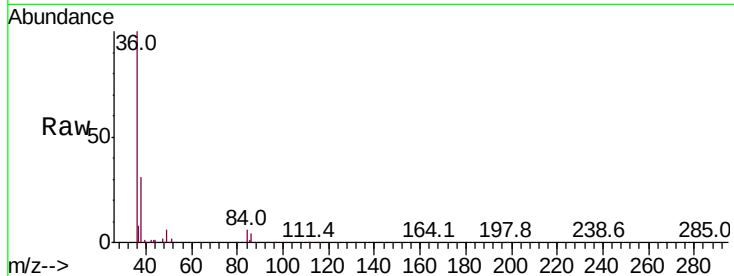
Ion 46.10 (45.80 to 46.80): VL0



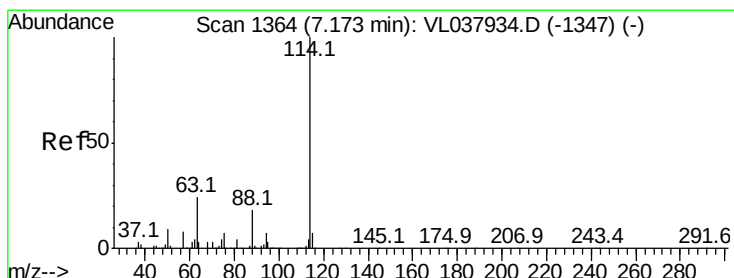
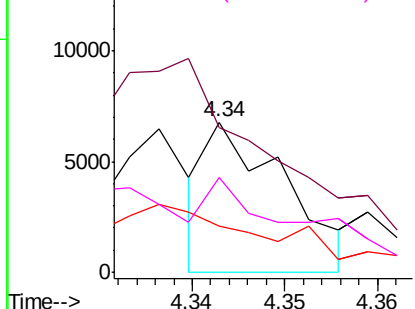
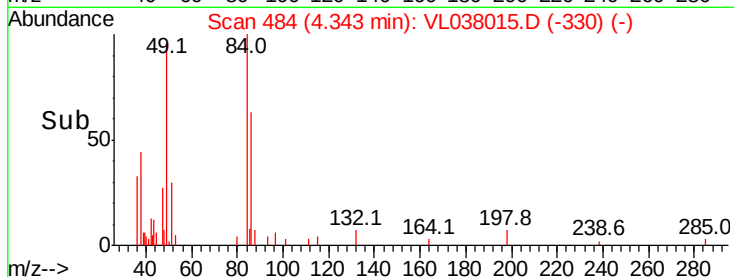


#20
Methylene Chloride
Concen: 0.065 ppbv
RT: 4.34 Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 10 Nov 2021 18:43

Tot Ion:	84	Resp:	4030
Ion	Ratio	Lower	Upper
84	100		
49	65.0	117.5	176.3#
51	30.3	35.9	53.9#
86	41.8	47.3	70.9#

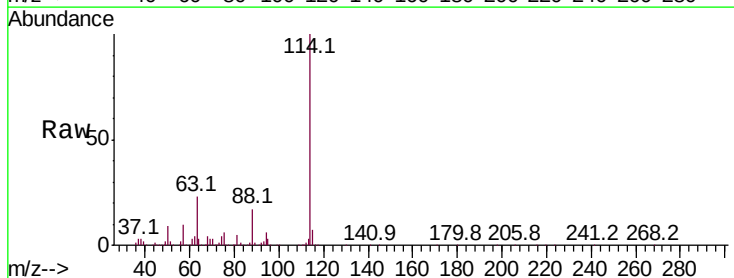


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

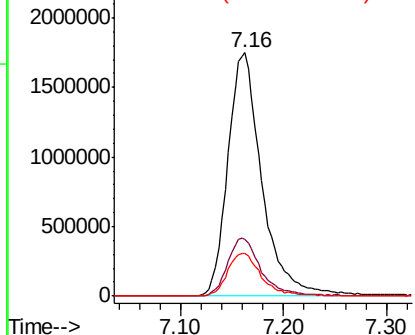
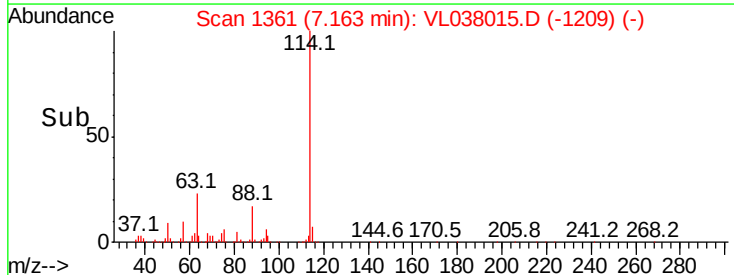


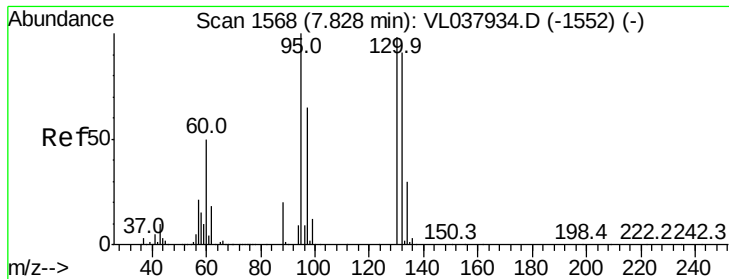
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.01 min
Lab File: VL038015.D
Acq: 10 Nov 2021 18:43

Tgt Ion:	114	Resp:	4010800
Ion	Ratio	Lower	Upper
114	100		
63	23.9	19.4	29.0
88	17.8	14.2	21.4



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





#38

Trichloroethene

Concen: 0.193 ppbv

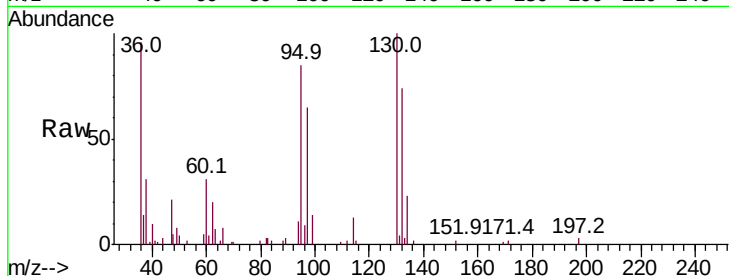
RT: 7.82 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 10 Nov 2021 18:43

Tot Ion:	130	Resp:	26134
Ion	Ratio	Lower	Upper
130	100		
95	78.7	81.8	122.8#
132	69.6	74.2	111.2#
97	57.5	53.4	80.2

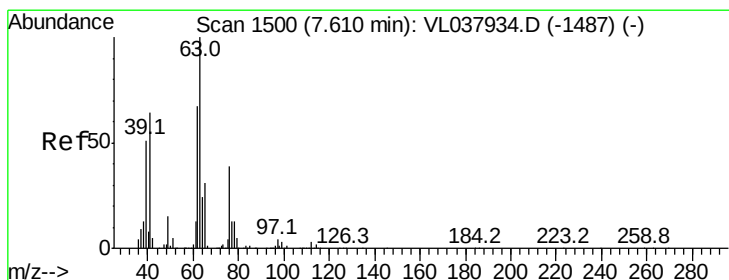
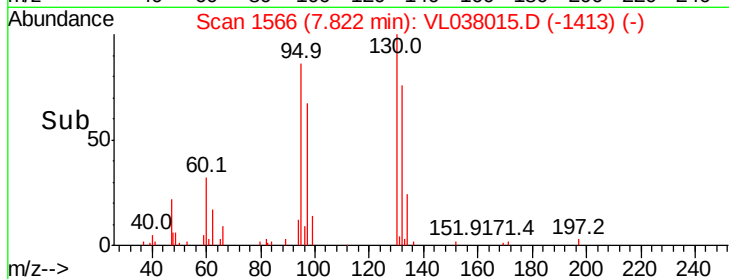
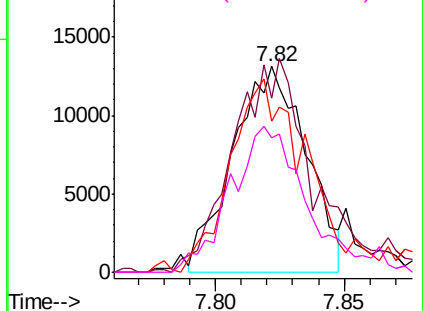


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 7.631 ppbv

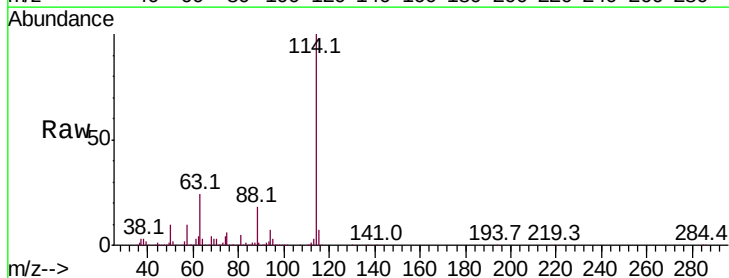
RT: 7.16 min Scan# 1360

Delta R.T. -0.45 min

Lab File: VL038015.D

Acq: 10 Nov 2021 18:43

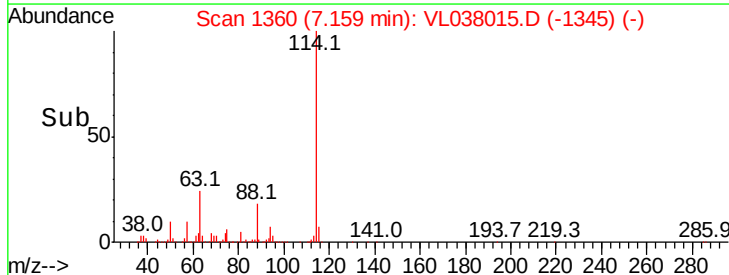
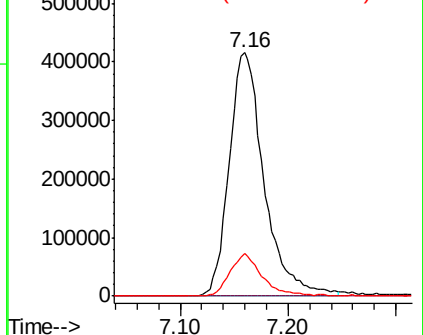
Tgt Ion:	63	Resp:	937875
Ion	Ratio	Lower	Upper
63	100		
41	0.0	51.6	77.4#
62	17.3	53.5	80.3#

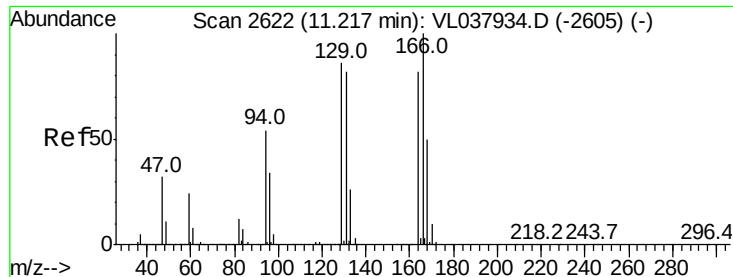


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#52

Tetrachloroethene

Concen: 0.580 ppbv

RT: 11.20

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 Nov 2021 18:43

Tot Ion:164 Resp: 71876

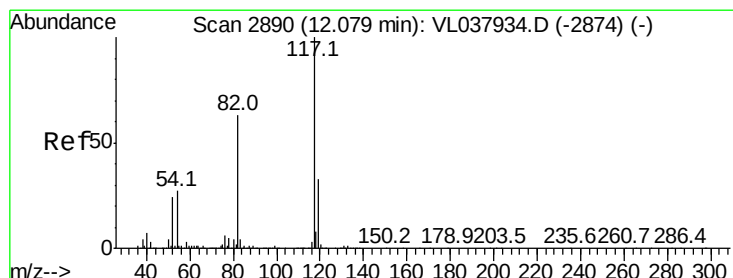
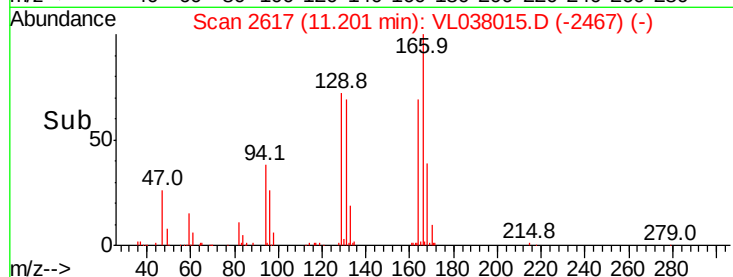
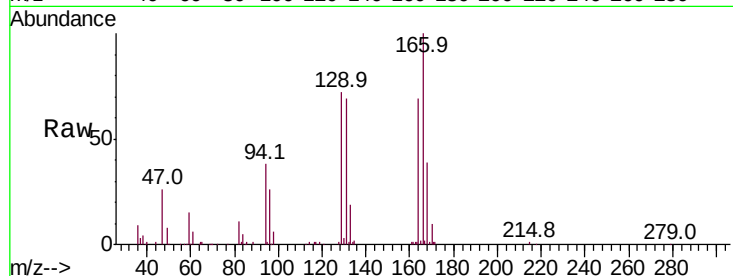
Ion Ratio Lower Upper

164 100

166 144.1 97.6 146.4

129 103.5 84.2 126.2

131 99.2 79.6 119.4



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2886

Delta R.T. -0.01 min

Lab File: VL038015.D

Acq: 10 Nov 2021 18:43

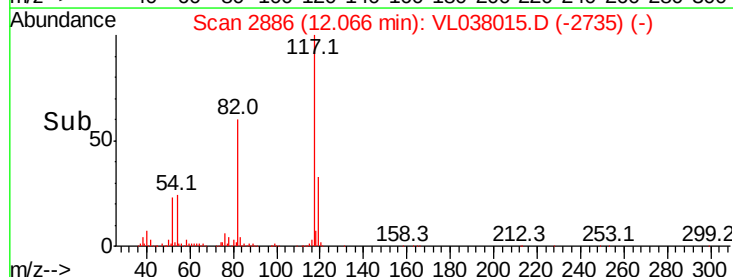
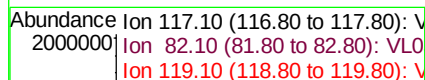
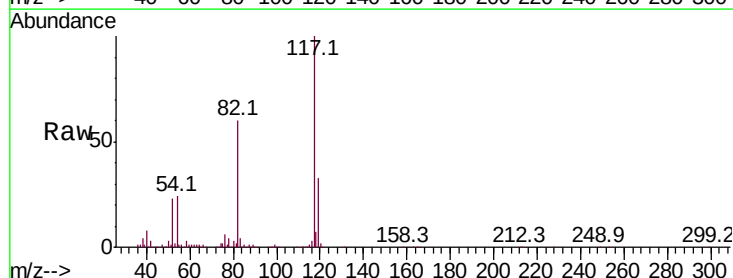
Tgt Ion:117 Resp: 3489598

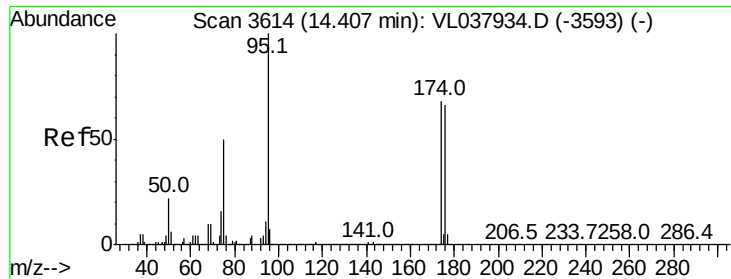
Ion Ratio Lower Upper

117 100

82 62.3 51.0 76.6

119 34.0 26.9 40.3





#68

1-Bromo-4-Fluorobenzene

Concen: 9.763 ppbv

RT: 14.39

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 10 Nov 2021 18:43

Tot Ion: 95 Resp: 2476453

Ion Ratio Lower Upper

95 100

174 76.7 58.3 87.5

175 5.7 4.6 6.8

