

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110121\
 Data File : VL037958.D
 Acq On : 2 Nov 2021 4:06
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Nov 02 06:09:14 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	1353791	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3958234	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3479923	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2457225	9.71	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.10%

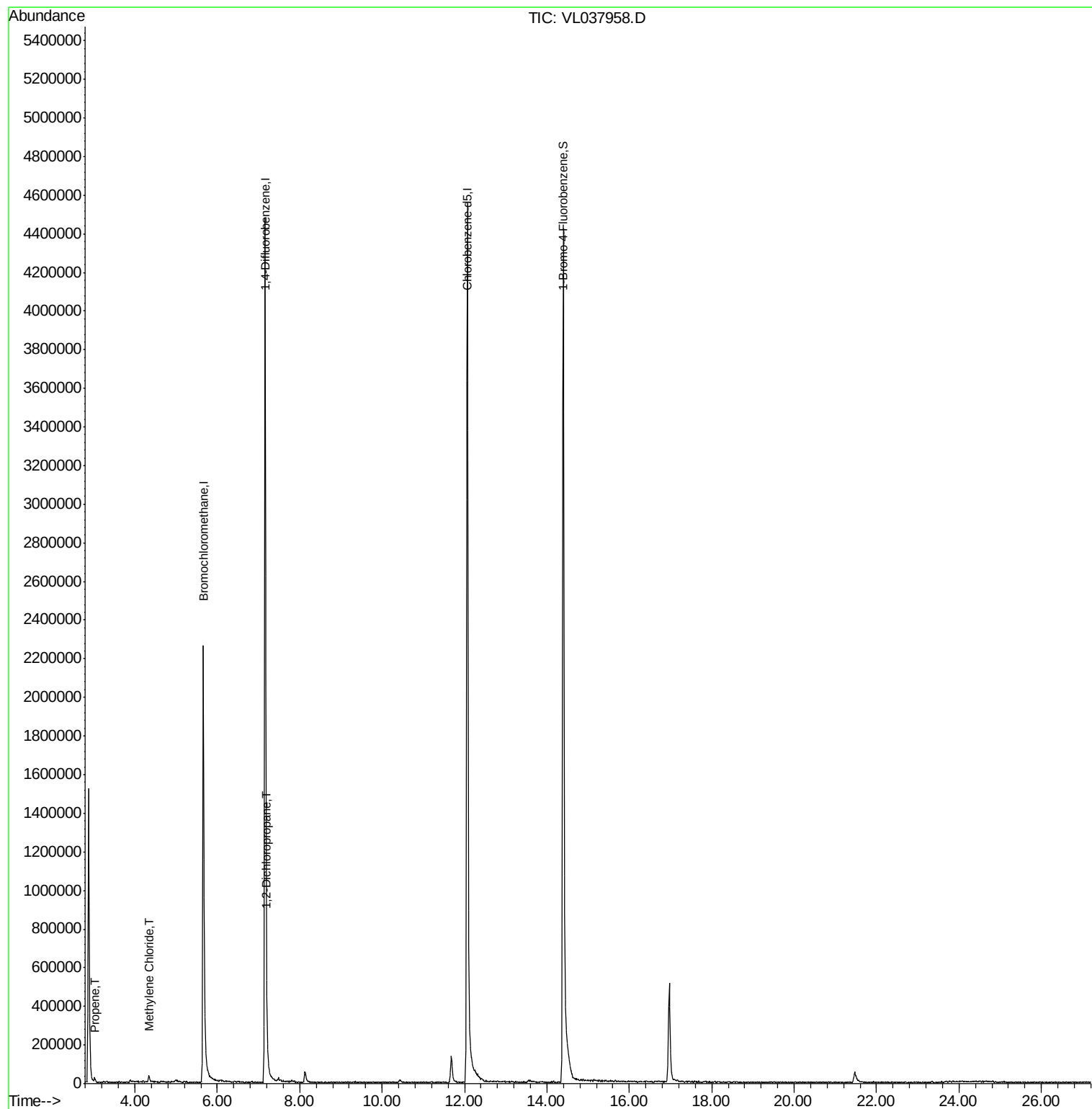
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	2722	0.030	ppbv #	14
20) Methylene Chloride	4.34	84	6792	0.111	ppbv #	58
39) 1,2-Dichloropropane	7.20	63	14672	0.121	ppbv #	30

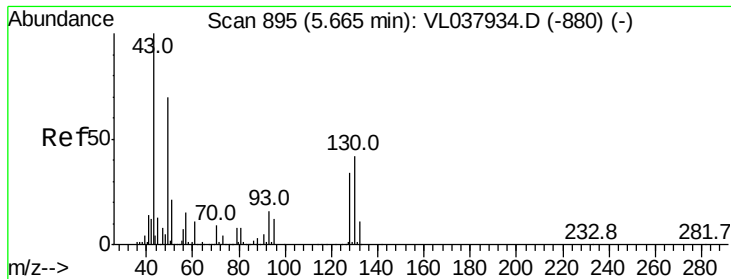
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 02 05:54:07 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VIBLK

Acq: 2 Nov 2021 4:00

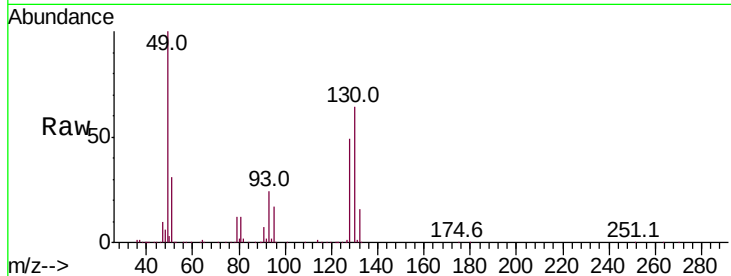
Tot Ion: 49 Resp: 1353791

Ion Ratio Lower Upper

49 100

128 54.2 27.0 81.0

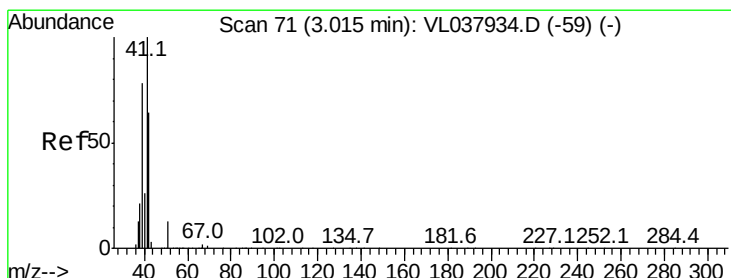
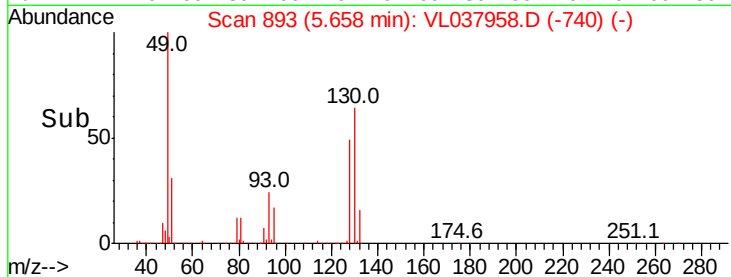
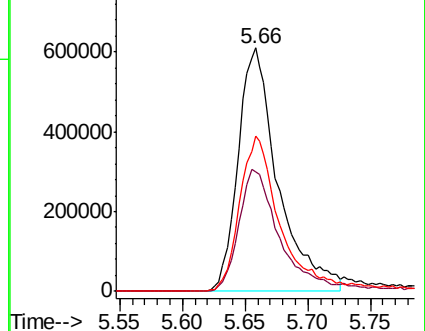
130 68.0 33.4 100.2



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# 69

Delta R.T. -0.01 min

Lab File: VL037958.D

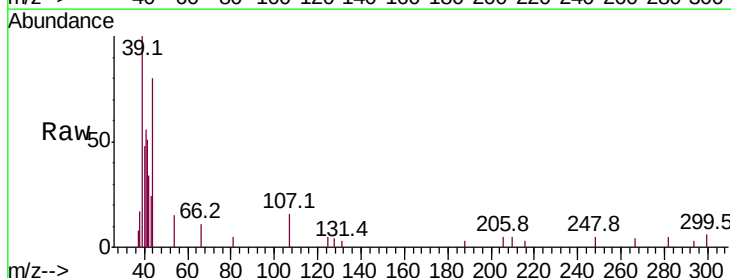
Acq: 2 Nov 2021 4:06

Tgt Ion: 41 Resp: 2722

Ion Ratio Lower Upper

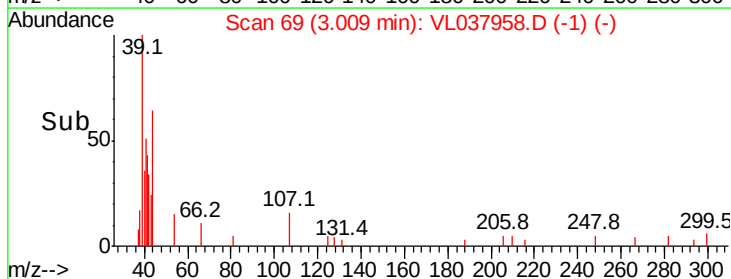
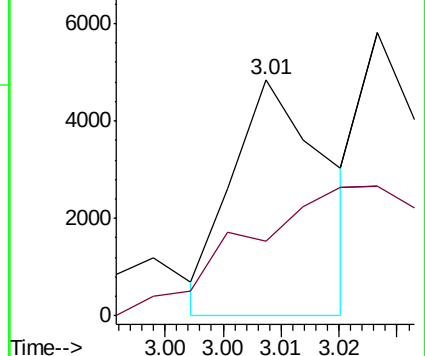
41 100

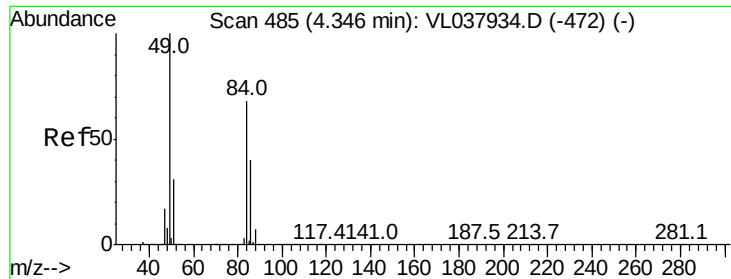
42 0.0 57.6 86.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

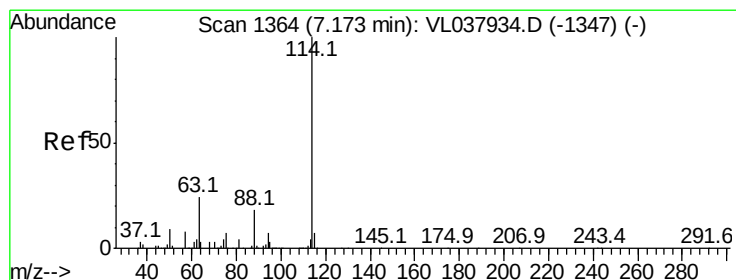
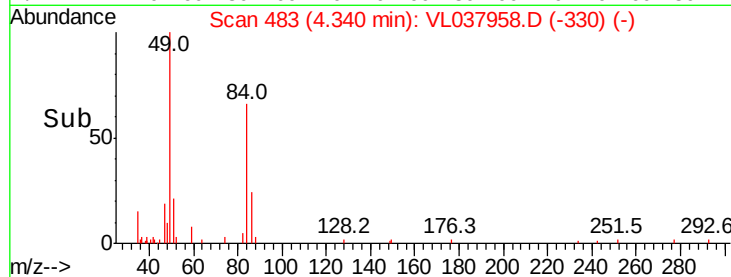
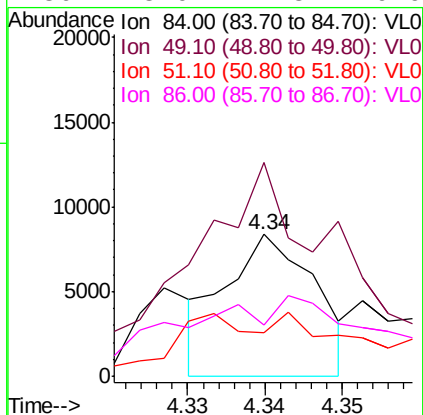
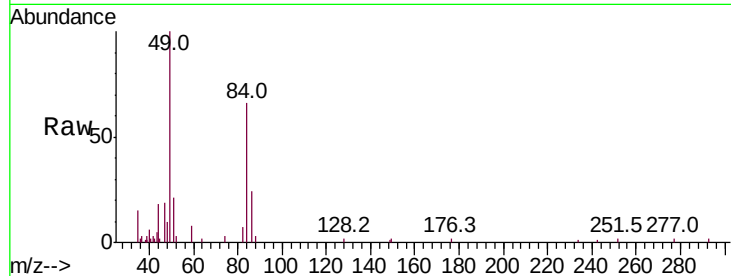
Ion 42.10 (41.80 to 42.80): VL0





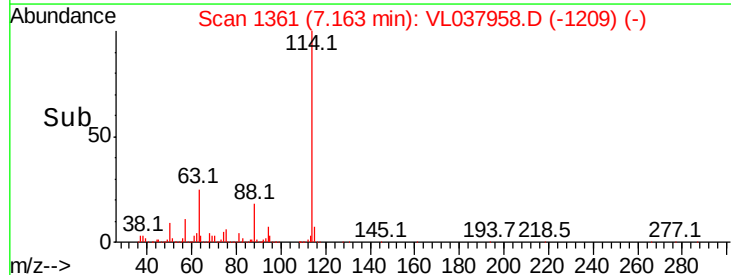
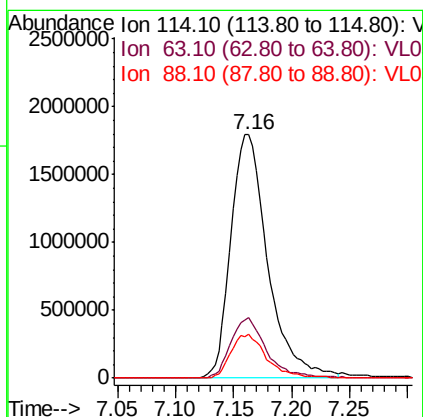
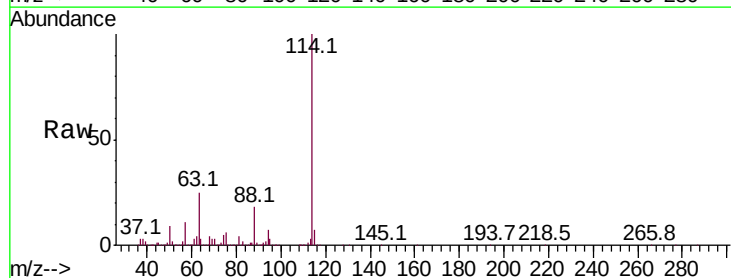
#20
Methylene Chloride
Concen: 0.111 ppbv
RT: 4.34
Delta R.T. MSVOA_1
Lab File: ClientSampleId:
Acq: 2 Nov 2021 4:00

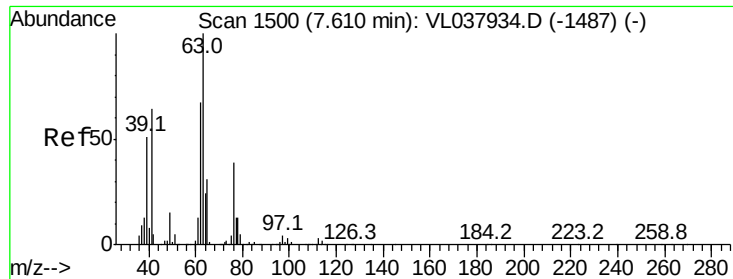
Tot Ion: 84 Resp: 6792
Ion Ratio Lower Upper
84 100
49 119.3 117.5 176.3
51 3.0 35.9 53.9#
86 3.0 47.3 70.9#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.01 min
Lab File: VL037958.D
Acq: 2 Nov 2021 4:06

Tgt Ion: 114 Resp: 3958234
Ion Ratio Lower Upper
114 100
63 24.3 19.4 29.0
88 17.9 14.2 21.4





#39

1,2-Dichloropropane

Concen: 0.121 ppbv

RT: 7.20 Instrument: MSVOA_1

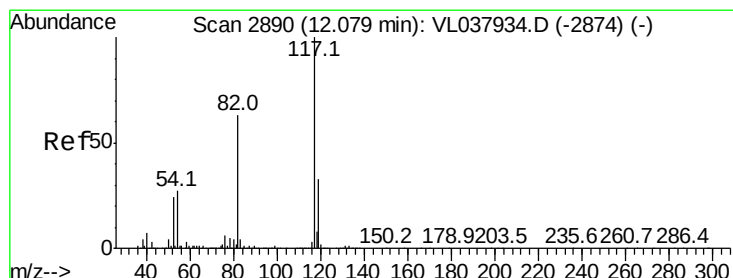
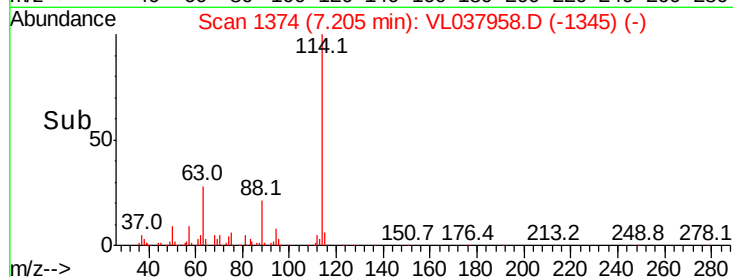
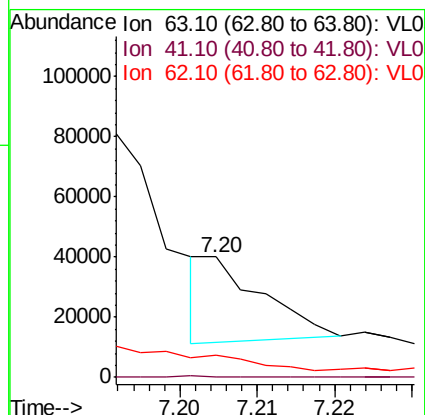
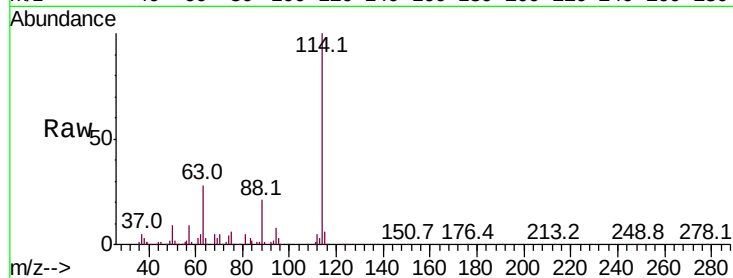
Delta R.T. ClientSampleId:

Lab File: VIBLK

Acq: 2 Nov 2021 4:00

Tot Ion: 63 Resp: 14672

Ion	Ratio	Lower	Upper
63	100		
41	1.3	51.6	77.4#
62	18.2	53.5	80.3#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2887

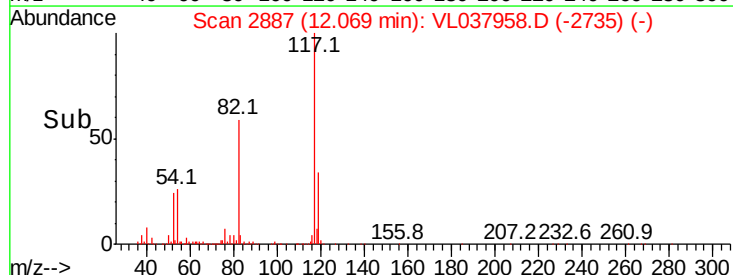
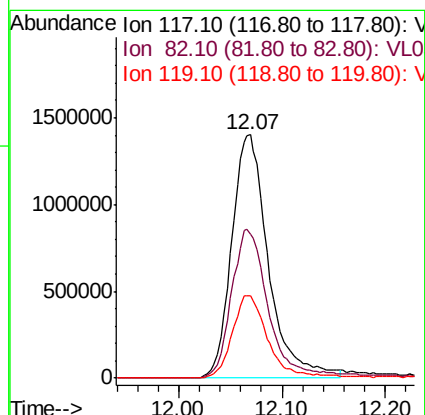
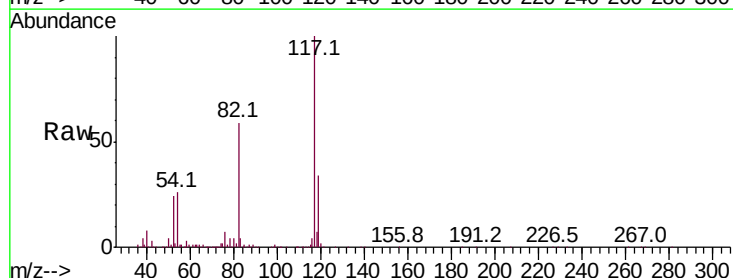
Delta R.T. -0.01 min

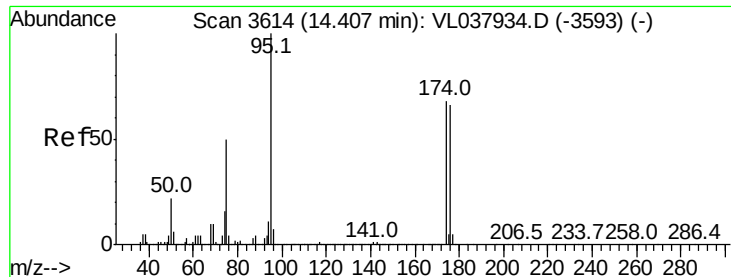
Lab File: VL037958.D

Acq: 2 Nov 2021 4:06

Tgt Ion: 117 Resp: 3479923

Ion	Ratio	Lower	Upper
117	100		
82	63.5	51.0	76.6
119	34.2	26.9	40.3





#68

1-Bromo-4-Fluorobenzene

Concen: 9.714 ppbv

RT: 14.39 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Nov 2021 4:00

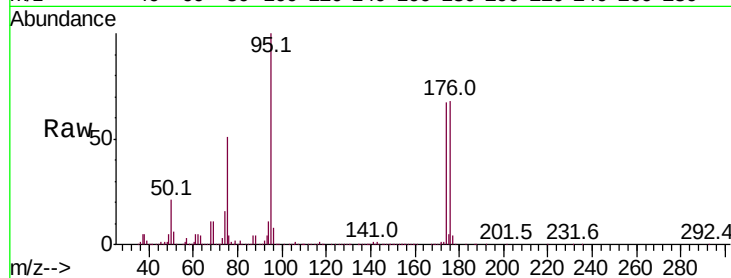
Tot Ion: 95 Resp: 2457225

Ion Ratio Lower Upper

95 100

174 75.1 58.3 87.5

175 5.6 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

