

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033022\
 Data File : VL038807.D
 Acq On : 31 Mar 2022 8:29
 Operator : SY/AP
 Sample : OC033022 CAN 10320
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 01 05:14:32 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 17:09:26 2022
 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	821351	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	2373789	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	2017738	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	1399396	9.05	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.50%

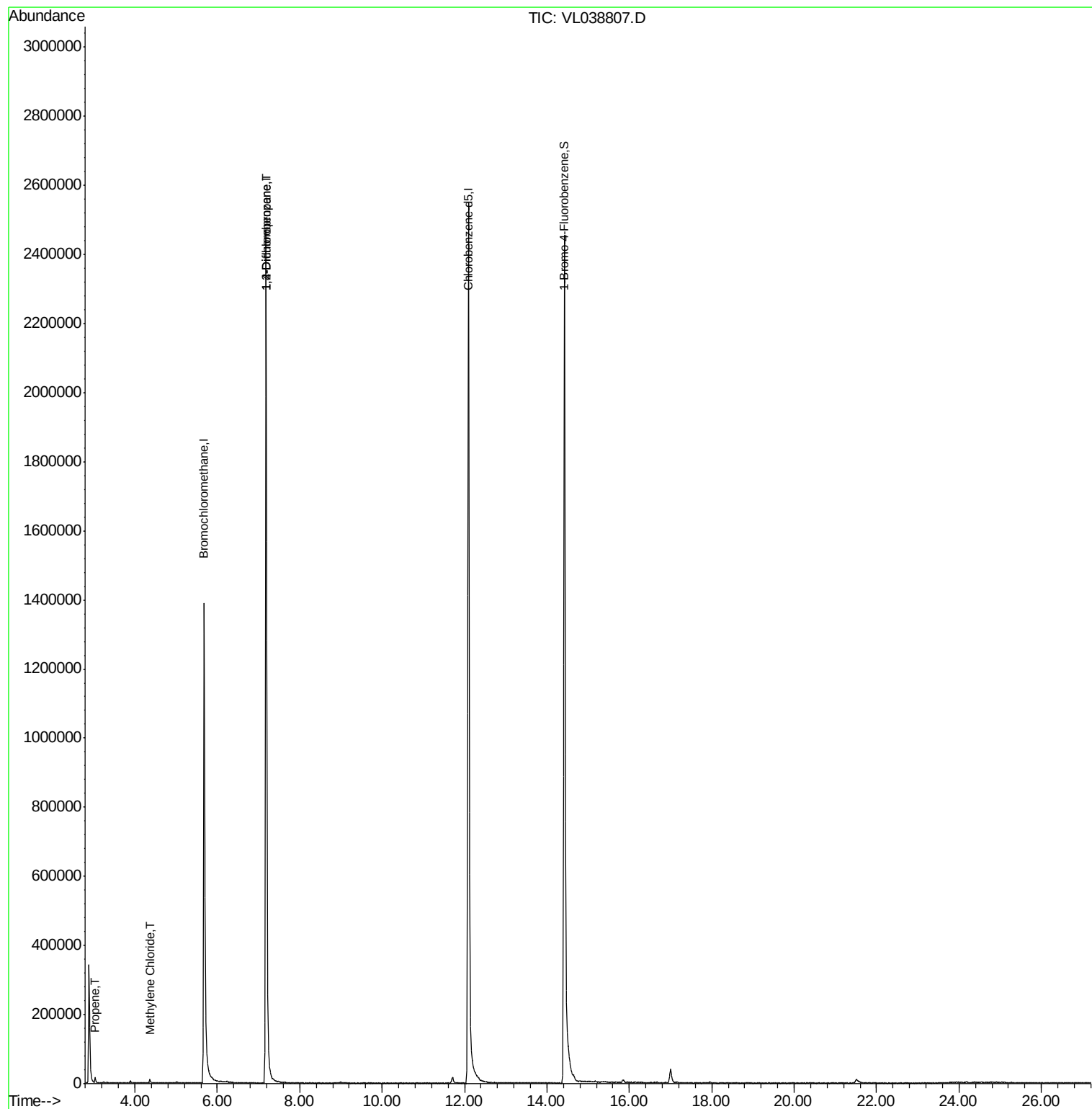
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.04	41	3230	0.077	ppbv	87
20) Methylene Chloride	4.36	84	3165	0.106	ppbv #	72
39) 1,2-Dichloropropane	7.19	63	509732	7.117	ppbv #	28

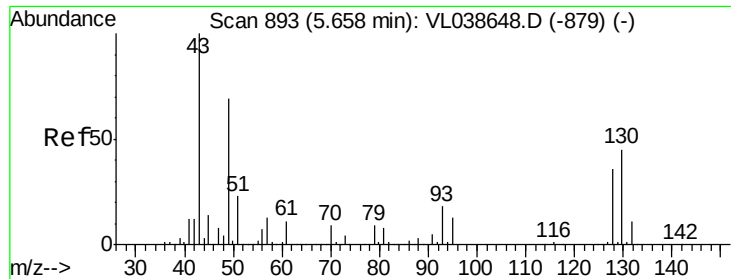
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 31 Mar 2022 8:29

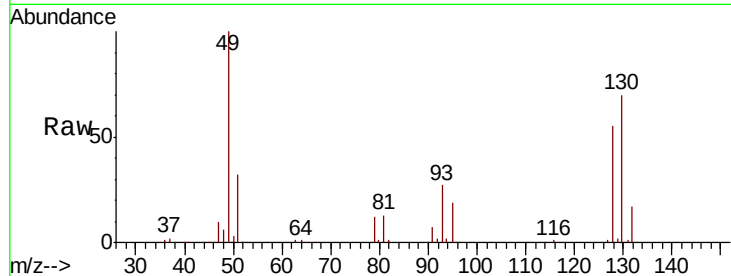
Tot Ion: 49 Resp: 821351

Ion Ratio Lower Upper

49 100

128 56.6 26.2 78.6

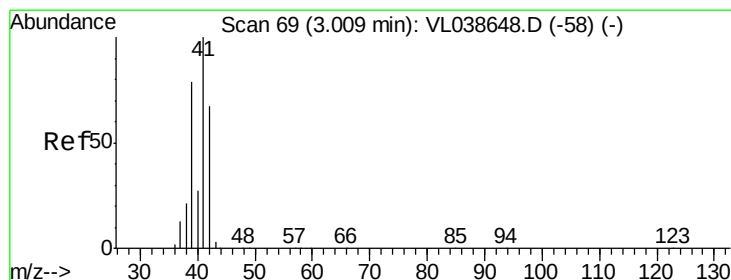
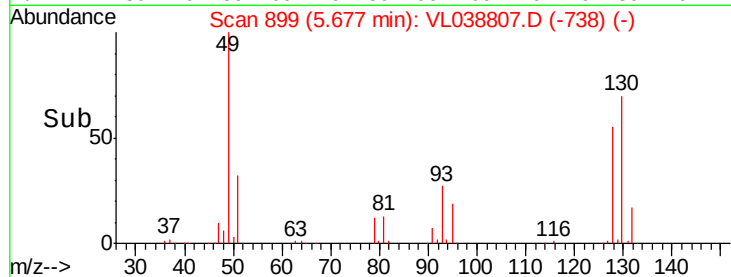
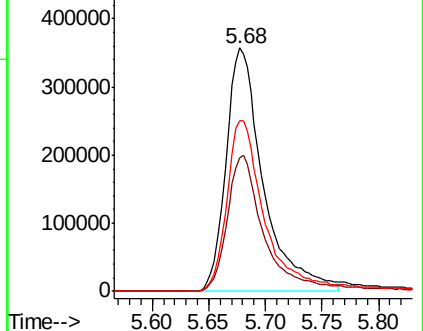
130 74.8 33.7 101.1



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: 0.077 ppbv

RT: 3.04 min Scan# 78

Delta R.T. 0.03 min

Lab File: VL038807.D

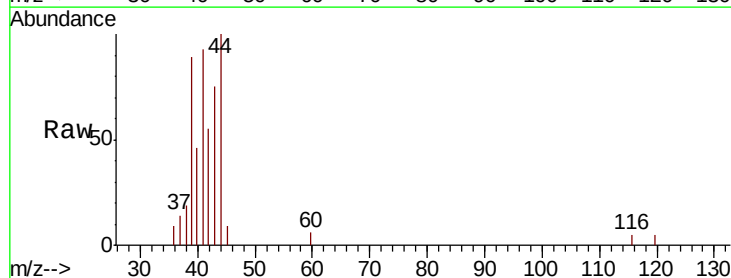
Acq: 31 Mar 2022 8:29

Tgt Ion: 41 Resp: 3230

Ion Ratio Lower Upper

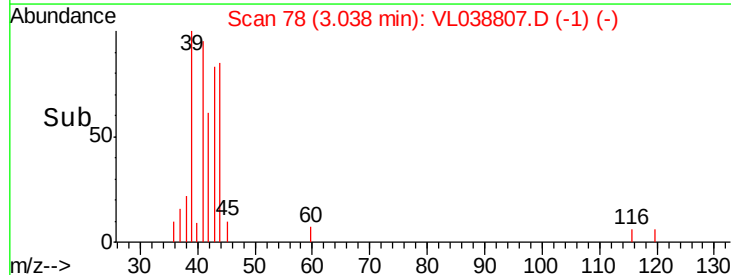
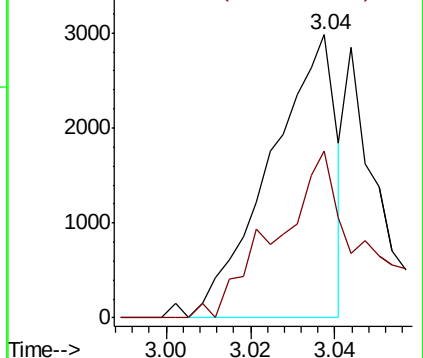
41 100

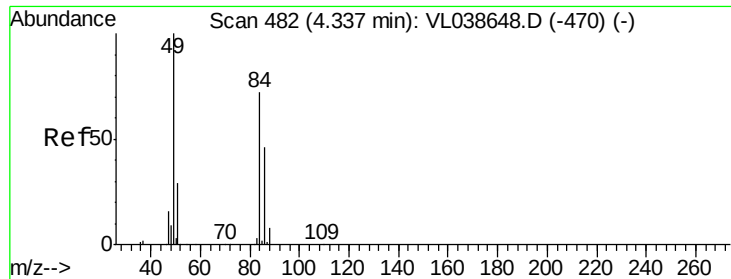
42 81.3 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

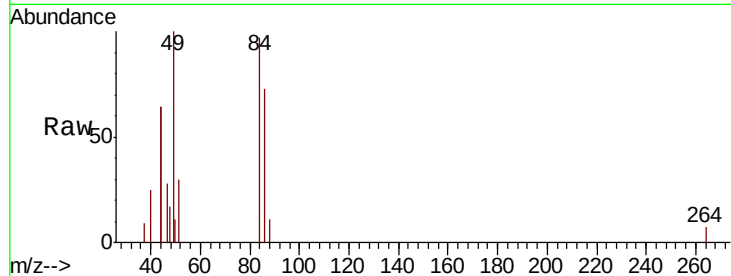
Ion 42.10 (41.80 to 42.80): VL0



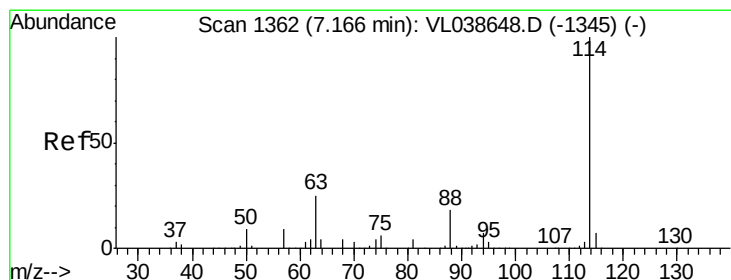
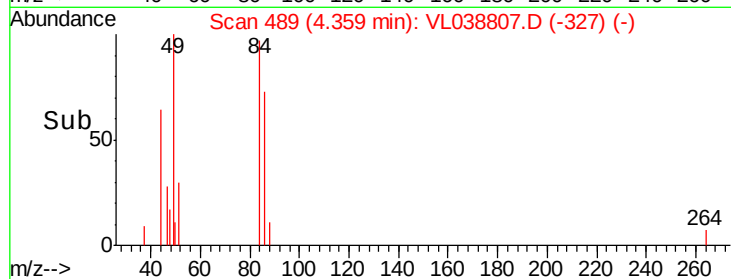
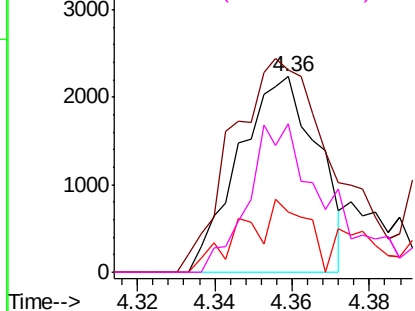


#20
Methylene Chloride
Concen: 0.106 ppbv
RT: 4.36 Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 31 Mar 2022 8:29

Tot Ion:	84	Resp:	3165
Ion	Ratio	Lower	Upper
84	100		
49	94.4	111.2	166.8#
51	30.5	32.8	49.2#
86	75.6	51.4	77.0

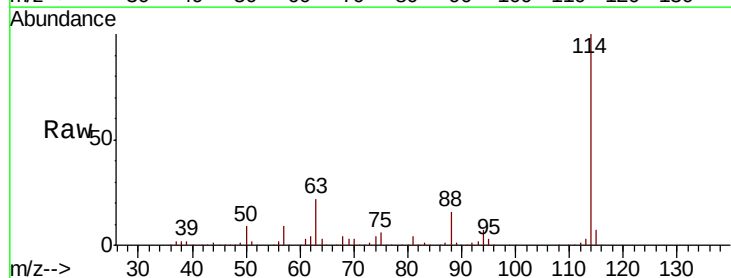


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

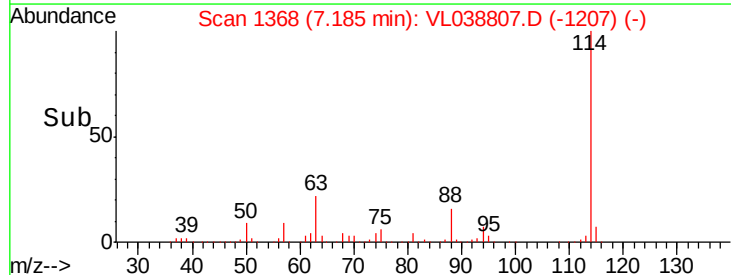
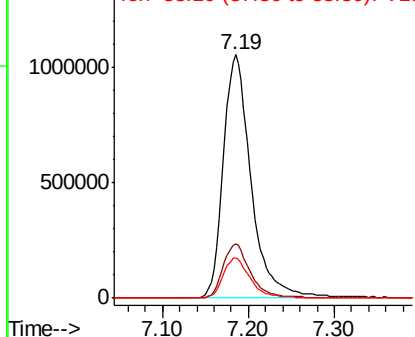


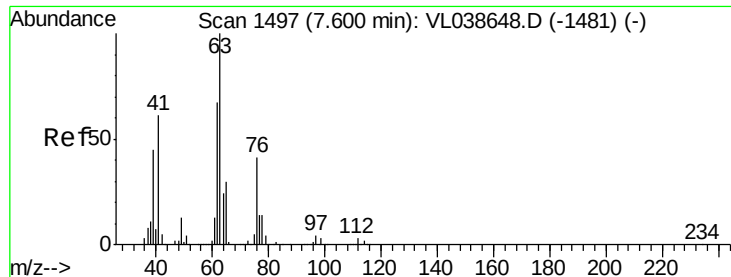
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. 0.02 min
Lab File: VL038807.D
Acq: 31 Mar 2022 8:29

Tgt Ion:	114	Resp:	2373789
Ion	Ratio	Lower	Upper
114	100		
63	22.4	19.4	29.0
88	16.6	13.9	20.9



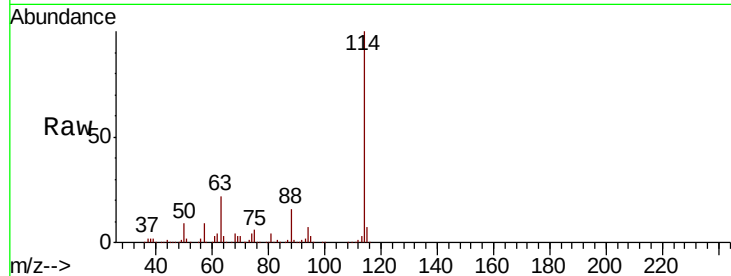
Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





#39
 1,2-Dichloropropane
 Concen: 7.117 ppbv
 RT: 7.19 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 31 Mar 2022 8:29

Tot Ion	63	Resp	509732
Ion Ratio	Lower	Upper	
63	100		
41	0.1	49.0	73.6#
62	15.8	53.9	80.9#

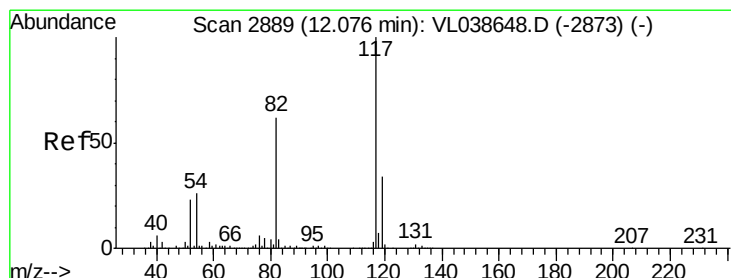
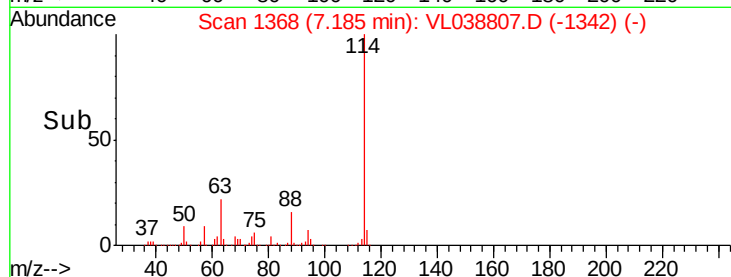
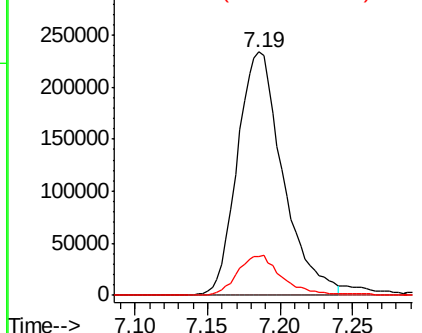


Abundance

Ion 63.10 (62.80 to 63.80): VL0

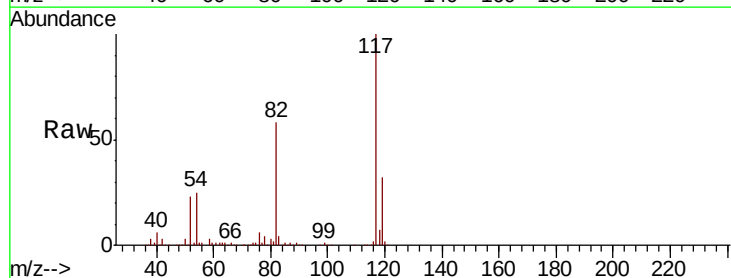
Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min Scan# 2895
 Delta R.T.: 0.02 min
 Lab File: VL038807.D
 Acq: 31 Mar 2022 8:29

Tgt Ion	117	Resp	2017738
Ion Ratio	Lower	Upper	
117	100		
82	62.1	51.6	77.4
119	34.0	26.9	40.3

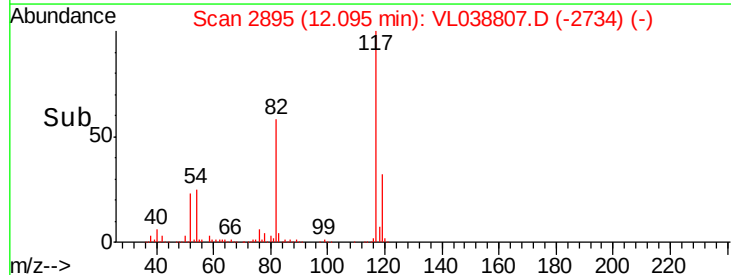
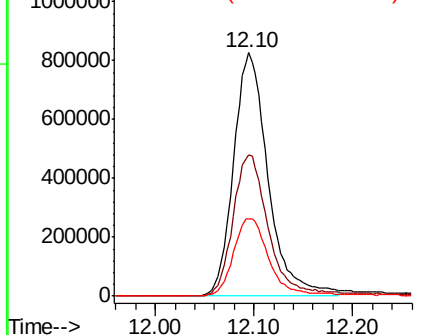


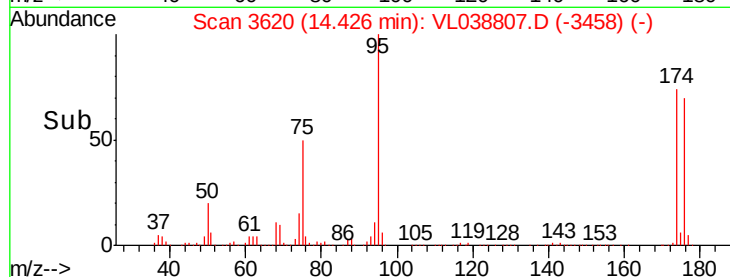
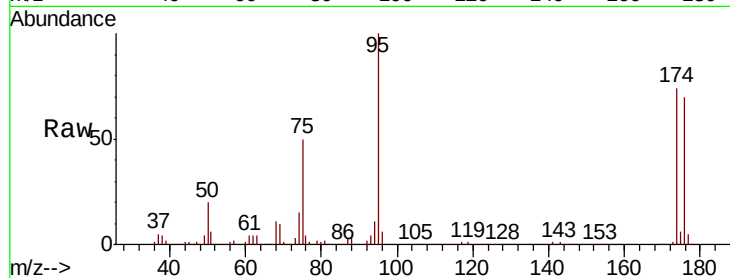
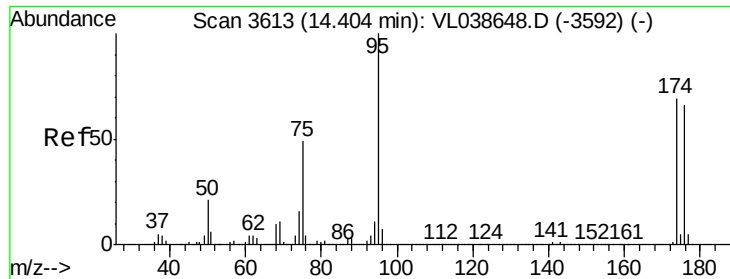
Abundance

Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.046 ppbv

RT: 14.43

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 31 Mar 2022 8:29

Tot Ion: 95 Resp: 1399396

Ion Ratio Lower Upper

95 100

174 78.6 56.1 84.1

175 5.9 4.2 6.2

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

