

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030422\
 Data File : VL038541.D
 Acq On : 4 Mar 2022 19:34
 Operator : SY/AP
 Sample : CAN 10315
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 05 04:59:42 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022
 QLast Update : Tue Feb 22 19:45:51 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	934630	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.14	114	2143167	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.04	117	1815754	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	1411380	9.39	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.90%

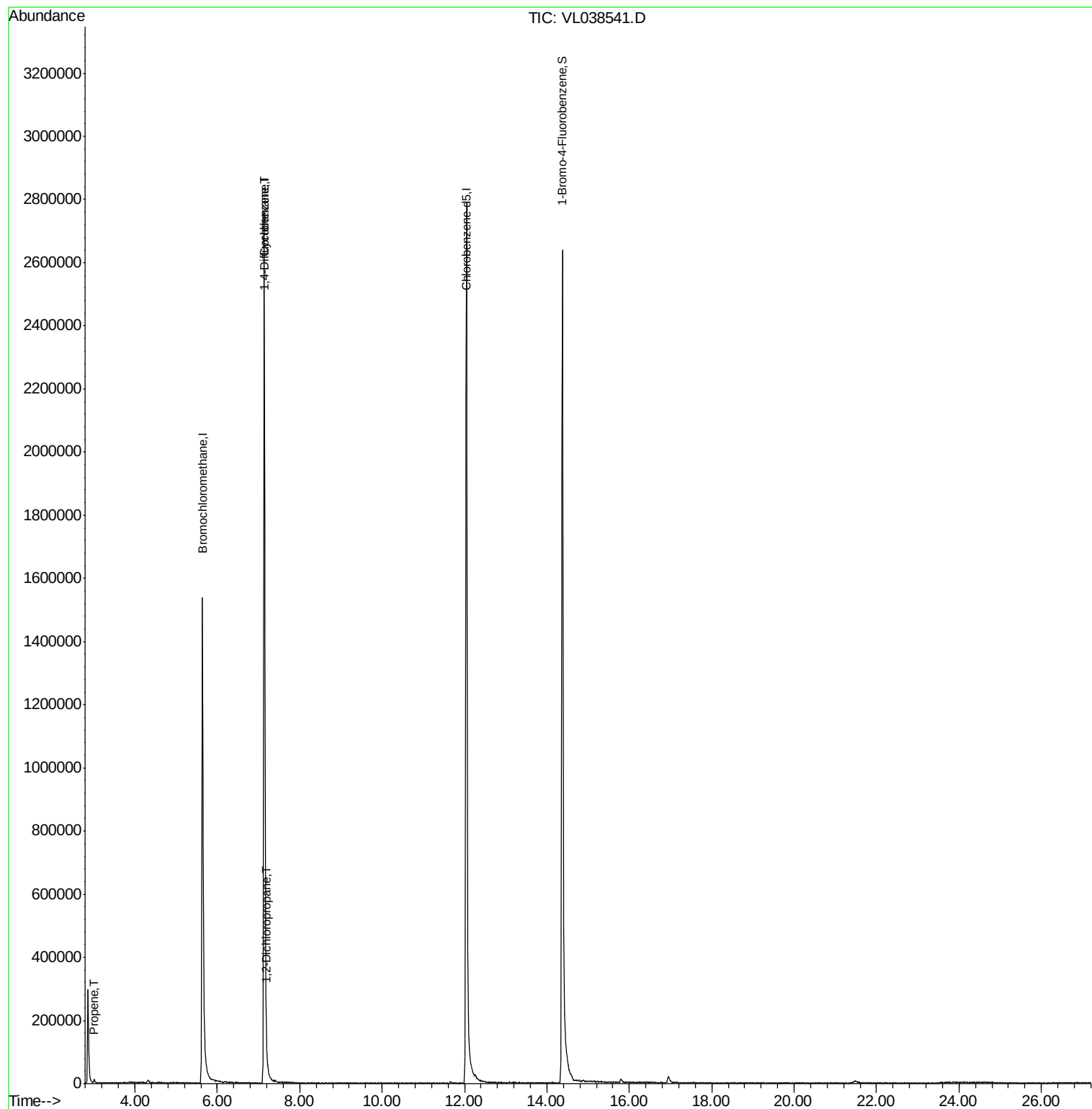
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	2191	0.040	ppbv #	66
30) Cyclohexane	7.12	84	2770	0.035	ppbv #	1
39) 1,2-Dichloropropane	7.20	63	8413	0.112	ppbv #	26

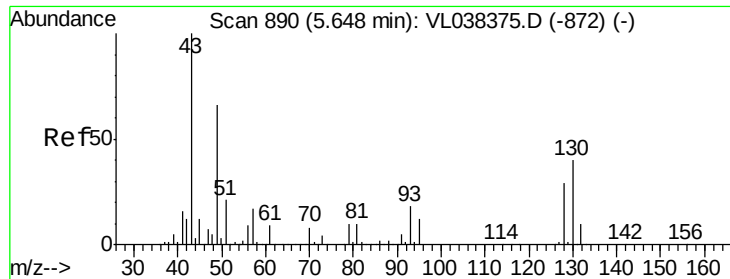
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 4 Mar 2022 19:34

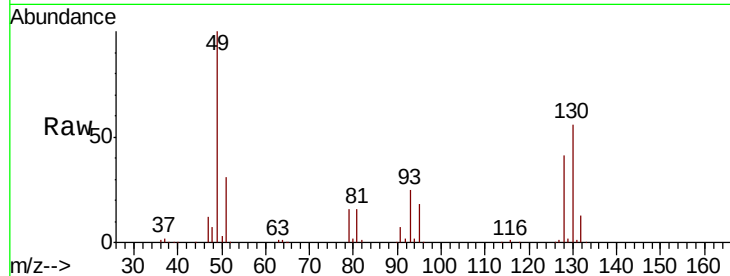
Tot Ion: 49 Resp: 934630

Ion Ratio Lower Upper

49 100

128 46.0 24.3 72.9

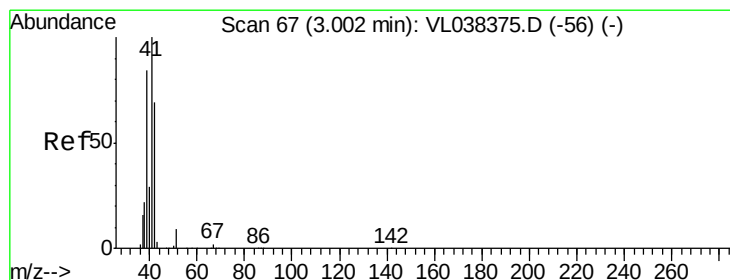
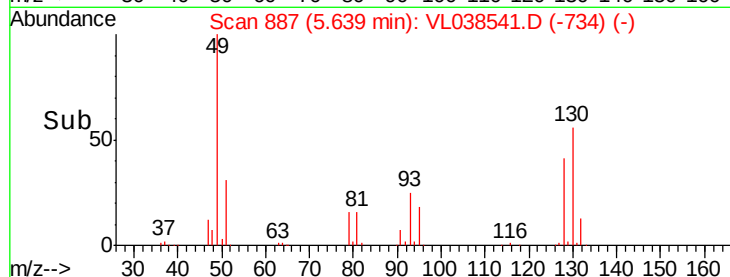
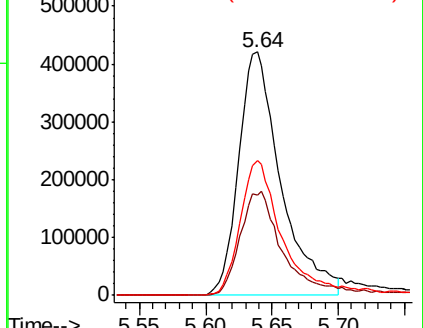
130 58.3 30.1 90.5



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: 0.040 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL038541.D

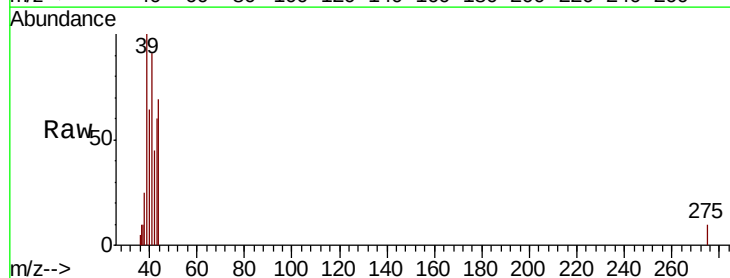
Acq: 4 Mar 2022 19:34

Tgt Ion: 41 Resp: 2191

Ion Ratio Lower Upper

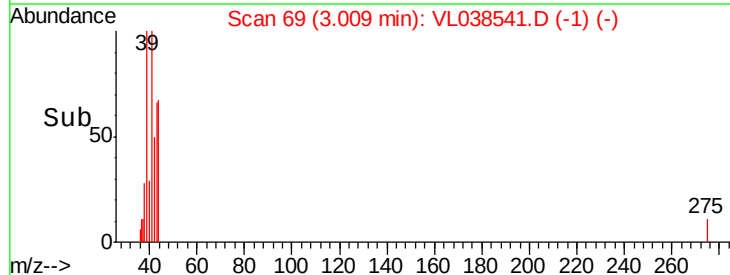
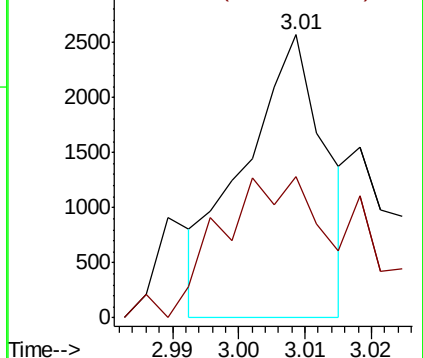
41 100

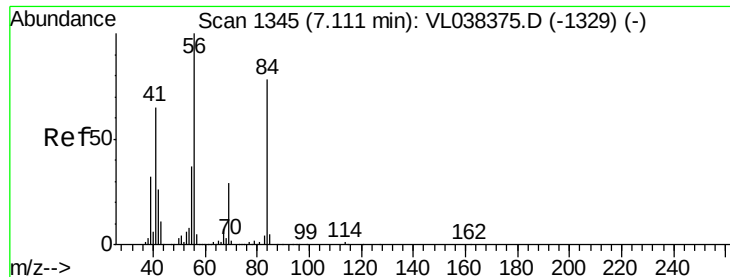
42 96.2 54.6 82.0#



Abundance Ion 41.10 (40.80 to 41.80): VL0

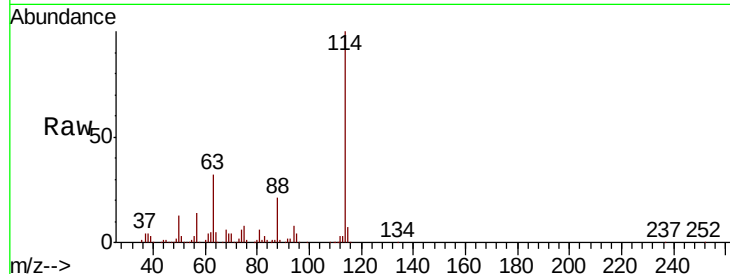
Ion 42.10 (41.80 to 42.80): VL0



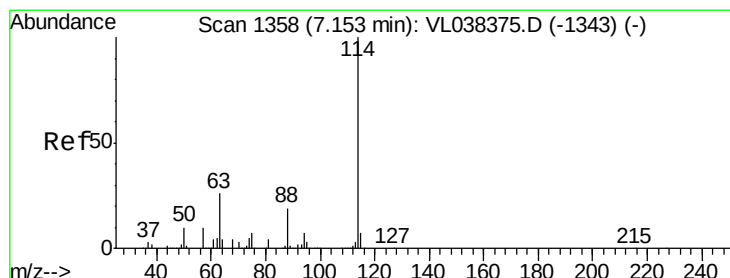
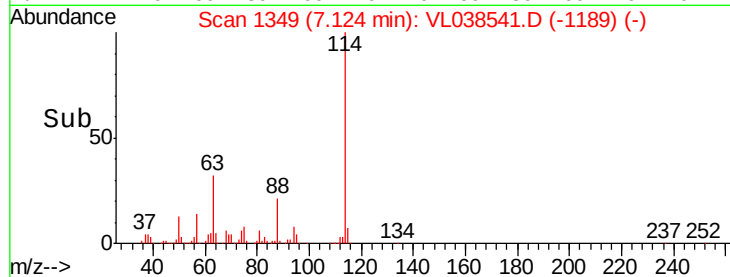
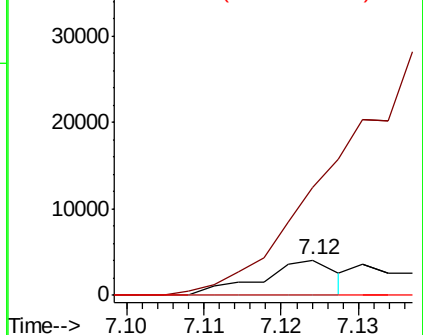


#30
Cvclohexane
Concen: 0.035 ppbv
RT: 7.12 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 4 Mar 2022 19:34

Tot Ion: 84 Resp: 2770
Ion Ratio Lower Upper
84 100
56 0.0 116.2 174.4#
41 0.0 74.3 111.5#

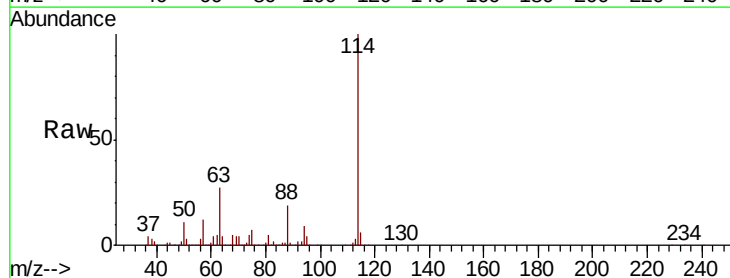


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

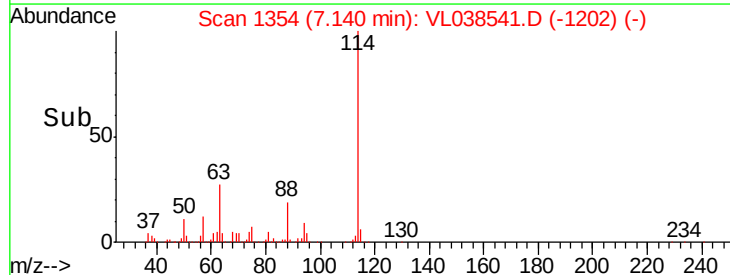
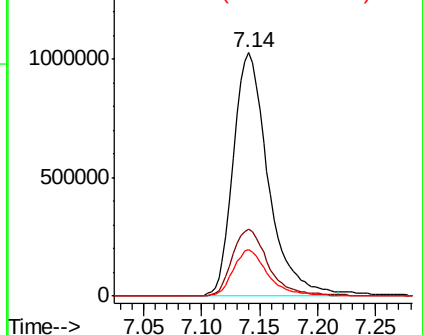


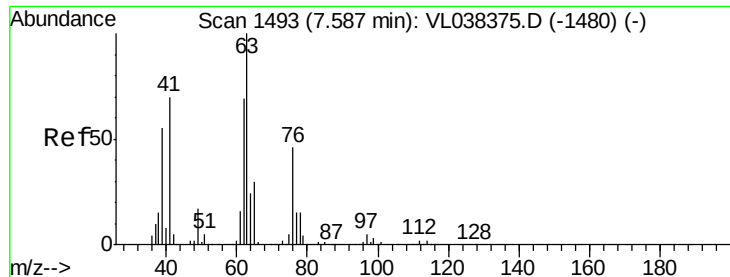
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL038541.D
Acq: 4 Mar 2022 19:34

Tgt Ion:114 Resp: 2143167
Ion Ratio Lower Upper
114 100
63 28.9 22.2 33.2
88 19.2 15.2 22.8



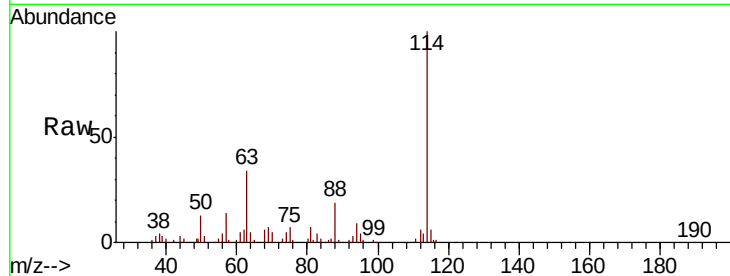
Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





#39
 1,2-Dichloropropane
 Concen: 0.112 ppbv
 RT: 7.20
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 4 Mar 2022 19:34

Tot Ion	63	Resp	8413
Ion Ratio	Lower	Upper	
63	100		
41	0.0	56.1	84.1#
62	17.8	55.5	83.3#

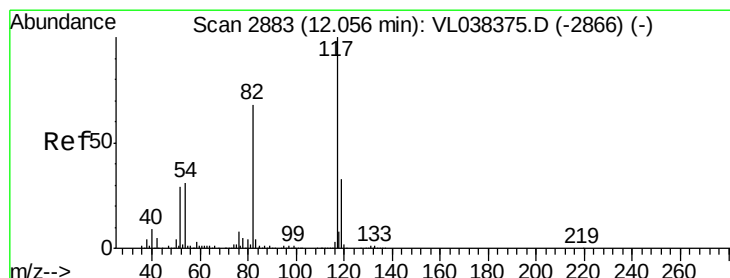
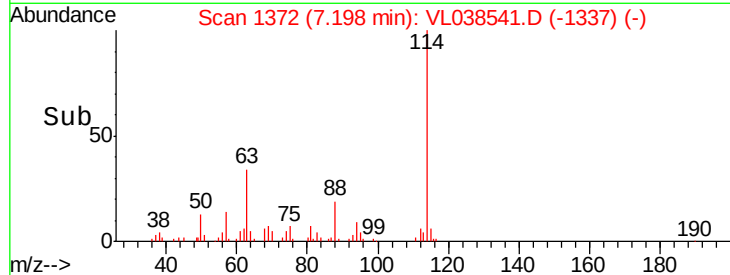
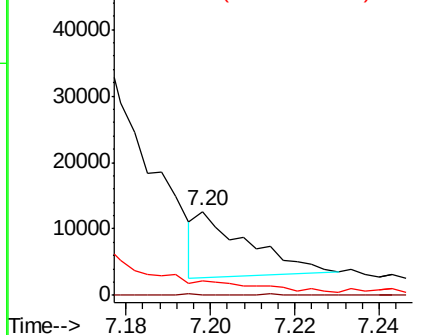


Abundance

Ion 63.10 (62.80 to 63.80): VL0

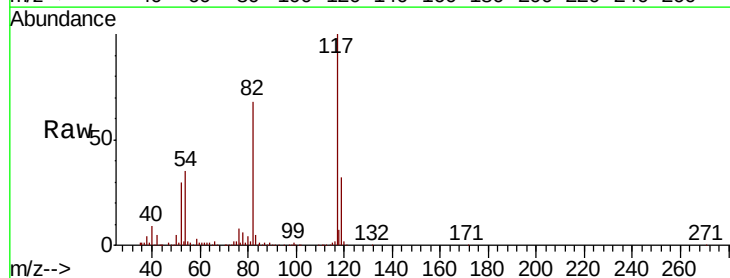
Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.04 min Scan# 2879
 Delta R.T. -0.01 min
 Lab File: VL038541.D
 Acq: 4 Mar 2022 19:34

Tgt Ion	117	Resp	1815754
Ion Ratio	Lower	Upper	
117	100		
82	73.2	54.9	82.3
119	33.8	46.1	69.1#

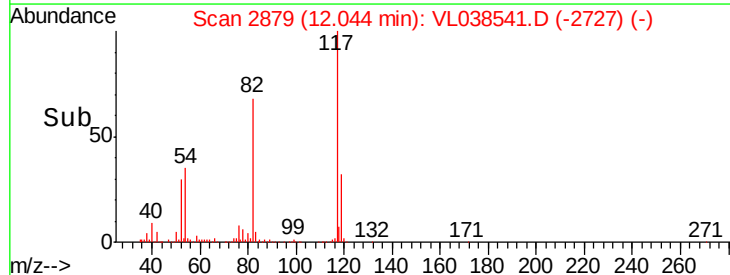
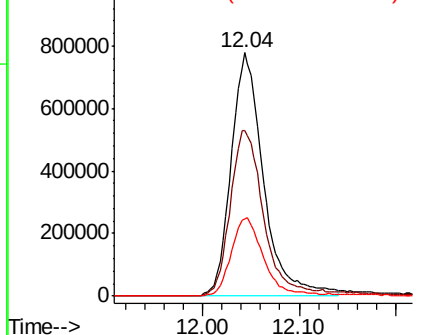


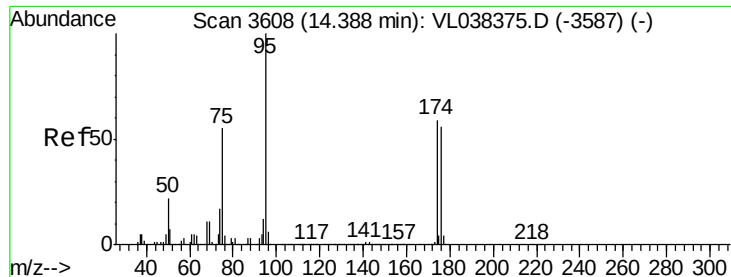
Abundance

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: 9.394 ppbv

RT: 14.37

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 4 Mar 2022 19:34

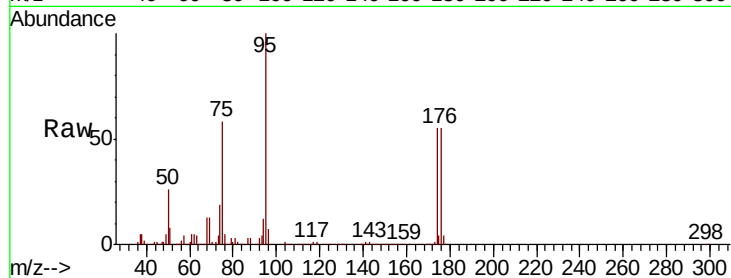
Tot Ion: 95 Resp: 1411380

Ion Ratio Lower Upper

95 100

174 60.4 49.0 73.4

175 4.4 3.6 5.4



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

