

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030322\
 Data File : VL038514.D
 Acq On : 3 Mar 2022 14:59
 Operator : SY/AP
 Sample : CAN 10722
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10722

Quant Time: Mar 04 04:33:34 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	5.66	49	791071	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	1777968	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	1562684	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1290027	9.98	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.80%

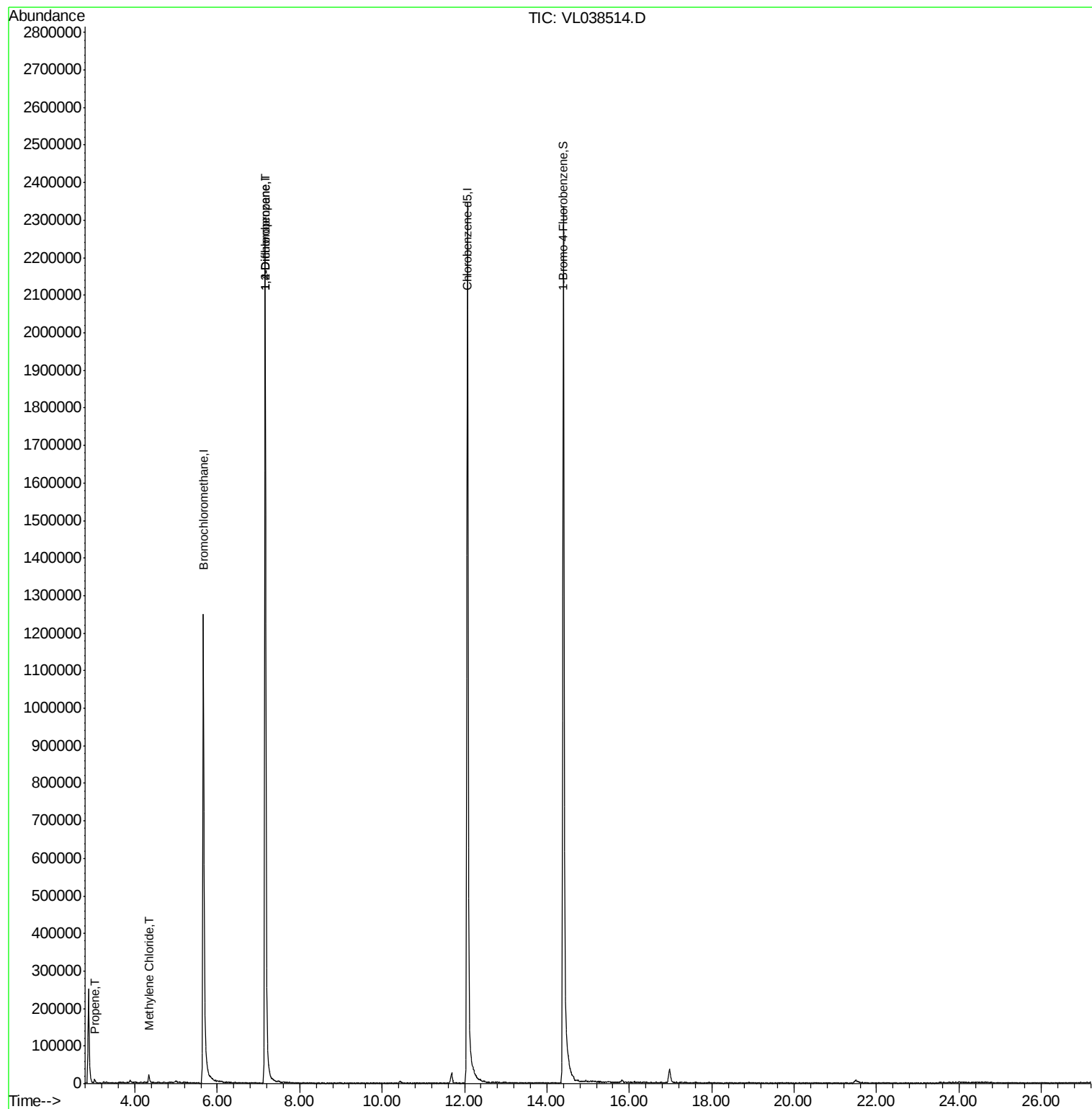
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	1536	0.033	ppbv #	11
20) Methylene Chloride	4.34	84	5112	0.153	ppbv #	76
39) 1,2-Dichloropropane	7.16	63	494440	7.931	ppbv #	25

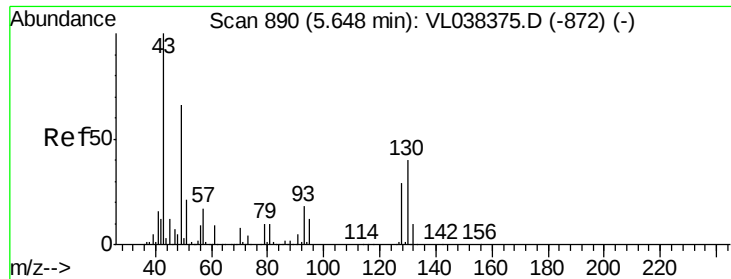
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2022 14:59

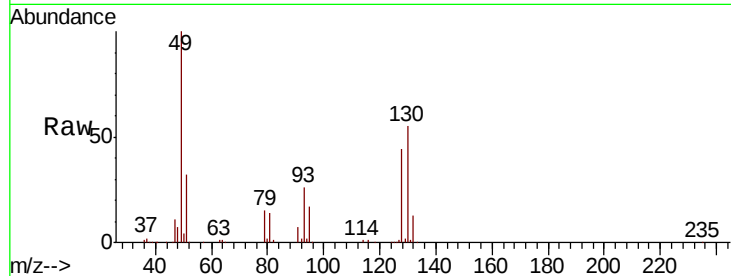
Tot Ion: 49 Resp: 791071

Ion Ratio Lower Upper

49 100

128 45.3 24.3 72.9

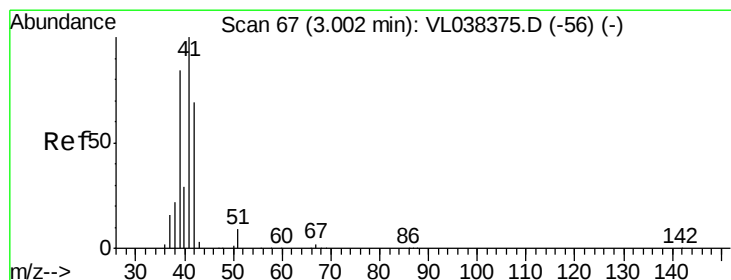
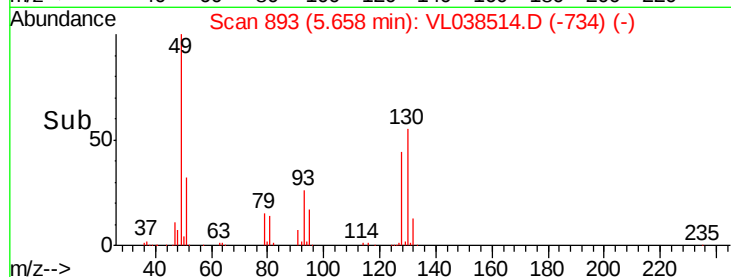
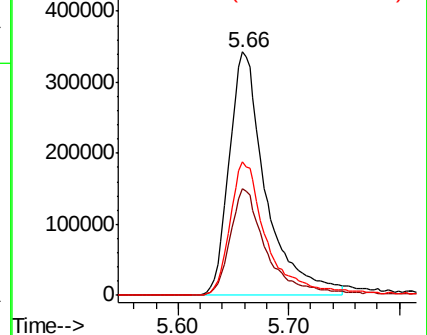
130 57.5 30.1 90.5



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: 0.033 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.02 min

Lab File: VL038514.D

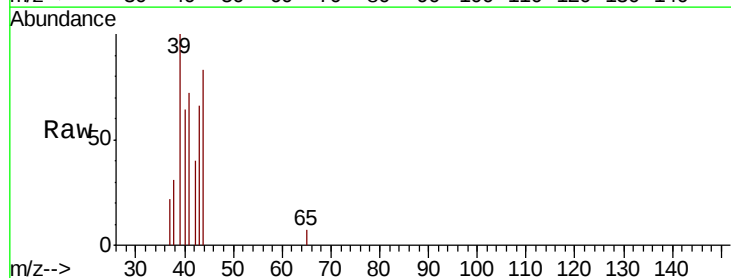
Acq: 3 Mar 2022 14:59

Tgt Ion: 41 Resp: 1536

Ion Ratio Lower Upper

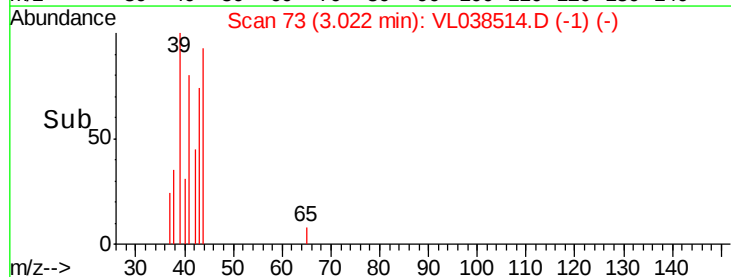
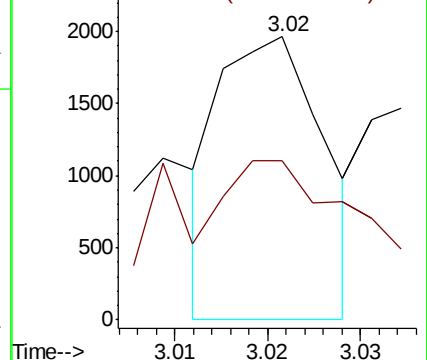
41 100

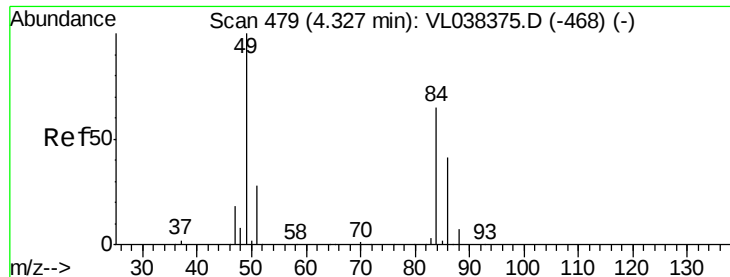
42 140.0 54.6 82.0#



Abundance Ion 41.10 (40.80 to 41.80): VL0

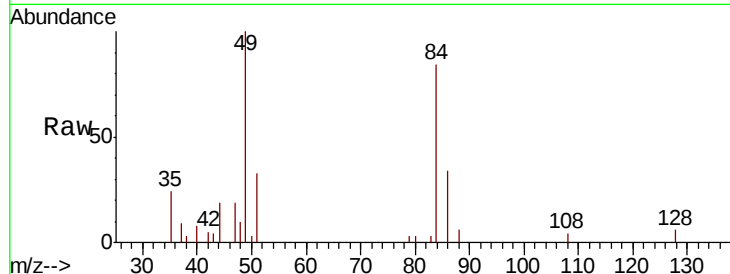
Ion 42.10 (41.80 to 42.80): VL0



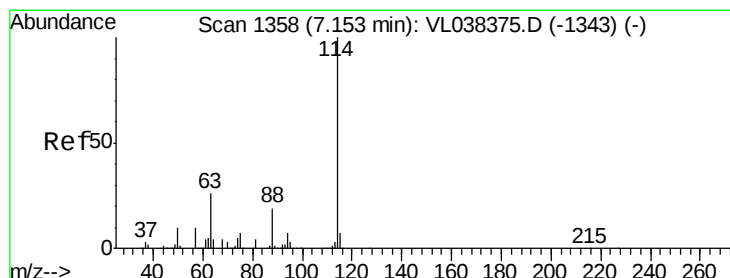
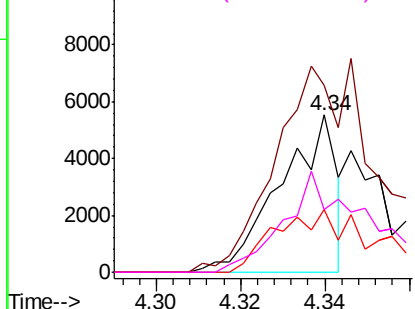
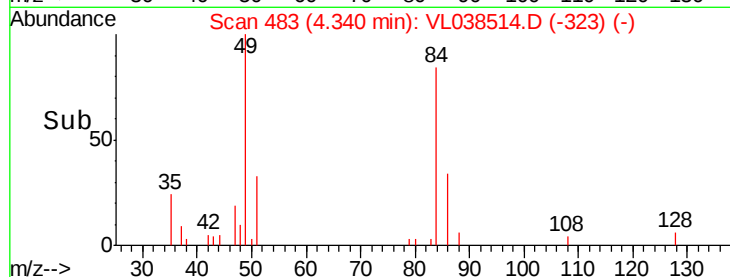


#20
Methvlene Chloride
Concen: 0.153 ppbv
RT: 4.34
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 3 Mar 2022 14:59

Tot Ion: 84 Resp: 5112
Ion Ratio Lower Upper
84 100
49 118.5 122.4 183.6#
51 39.6 33.3 49.9
86 39.9 50.7 76.1#

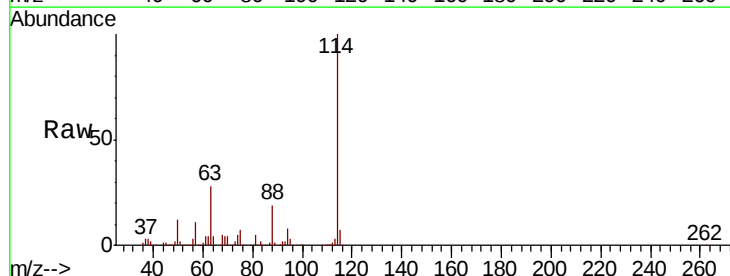


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

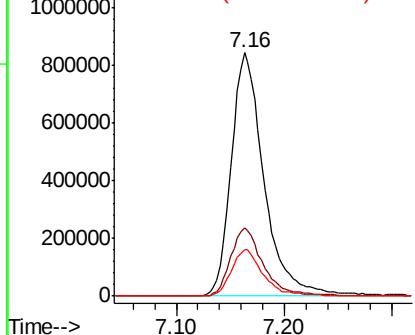
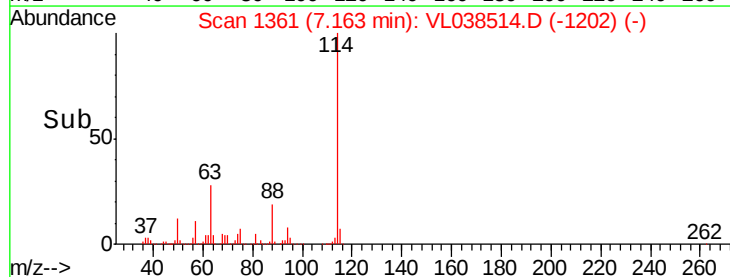


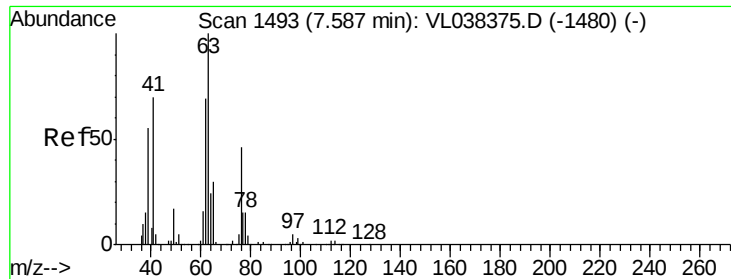
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. 0.01 min
Lab File: VL038514.D
Acq: 3 Mar 2022 14:59

Tgt Ion: 114 Resp: 1777968
Ion Ratio Lower Upper
114 100
63 28.6 22.2 33.2
88 18.9 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: 7.931 ppbv

RT: 7.16 Instrument:

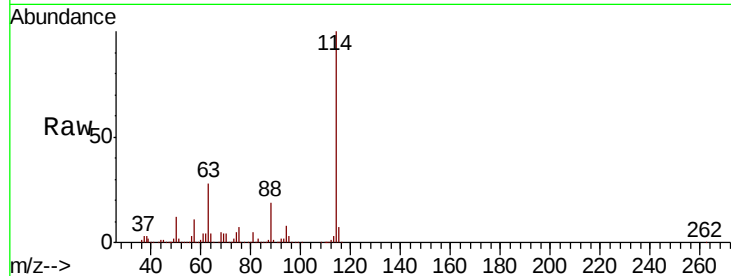
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2022 14:59

Tot Ion: 63 Resp: 494440

Ion	Ratio	Lower	Upper
63	100		
41	0.1	56.1	84.1#
62	16.0	55.5	83.3#

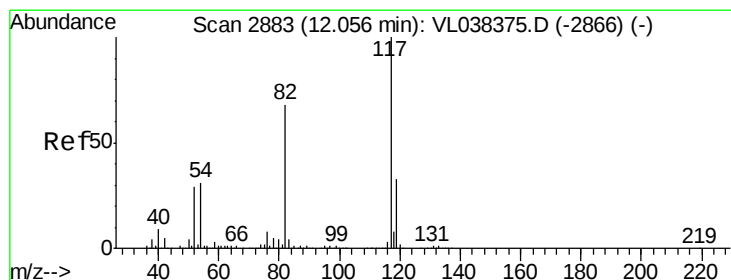
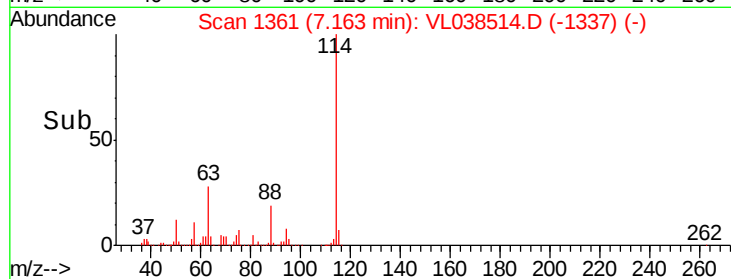
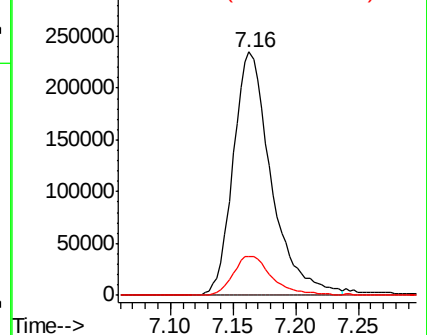


Abundance

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: 12.07 min Scan# 2888

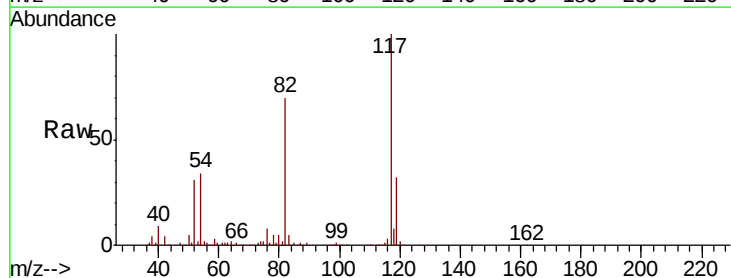
Delta R.T. 0.02 min

Lab File: VL038514.D

Acq: 3 Mar 2022 14:59

Tgt Ion: 117 Resp: 1562684

Ion	Ratio	Lower	Upper
117	100		
82	73.5	54.9	82.3
119	33.9	46.1	69.1#

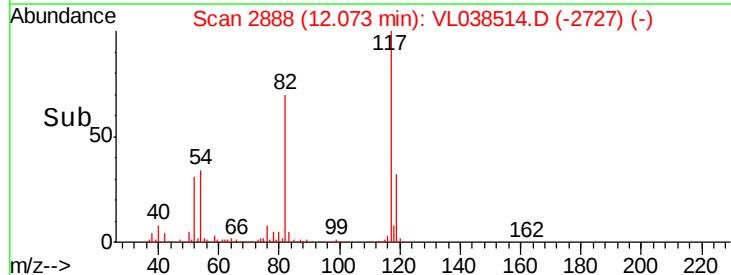
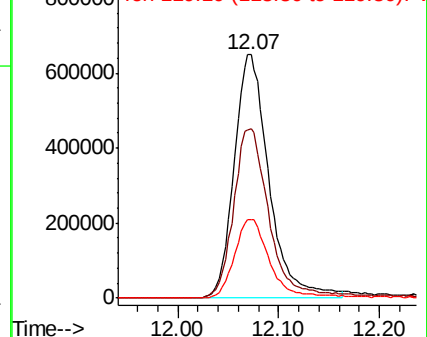


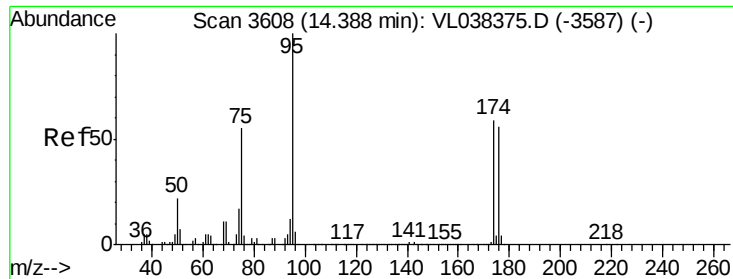
Abundance

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: 9.977 ppbv

RT: 14.40

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 3 Mar 2022 14:39

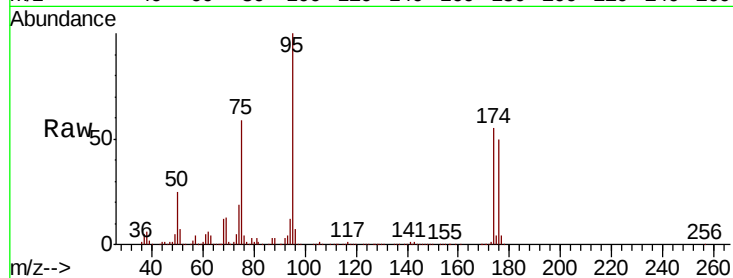
Tot Ion: 95 Resp: 1290027

Ion Ratio Lower Upper

95 100

174 58.8 49.0 73.4

175 4.2 3.6 5.4



Abundance Ion 95.10 (94.80 to 95.80): VL0

600000

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

400000

200000

0

