

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082720\
 Data File : VL035521.D
 Acq On : 27 Aug 2020 15:18
 Operator : SY/AP
 Sample : QC082520 CAN 10602
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC082520 CAN 10602

Quant Time: Aug 28 01:27:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 06:46:28 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	985948	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4062935	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	4097923	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2998329	10.30	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.00%

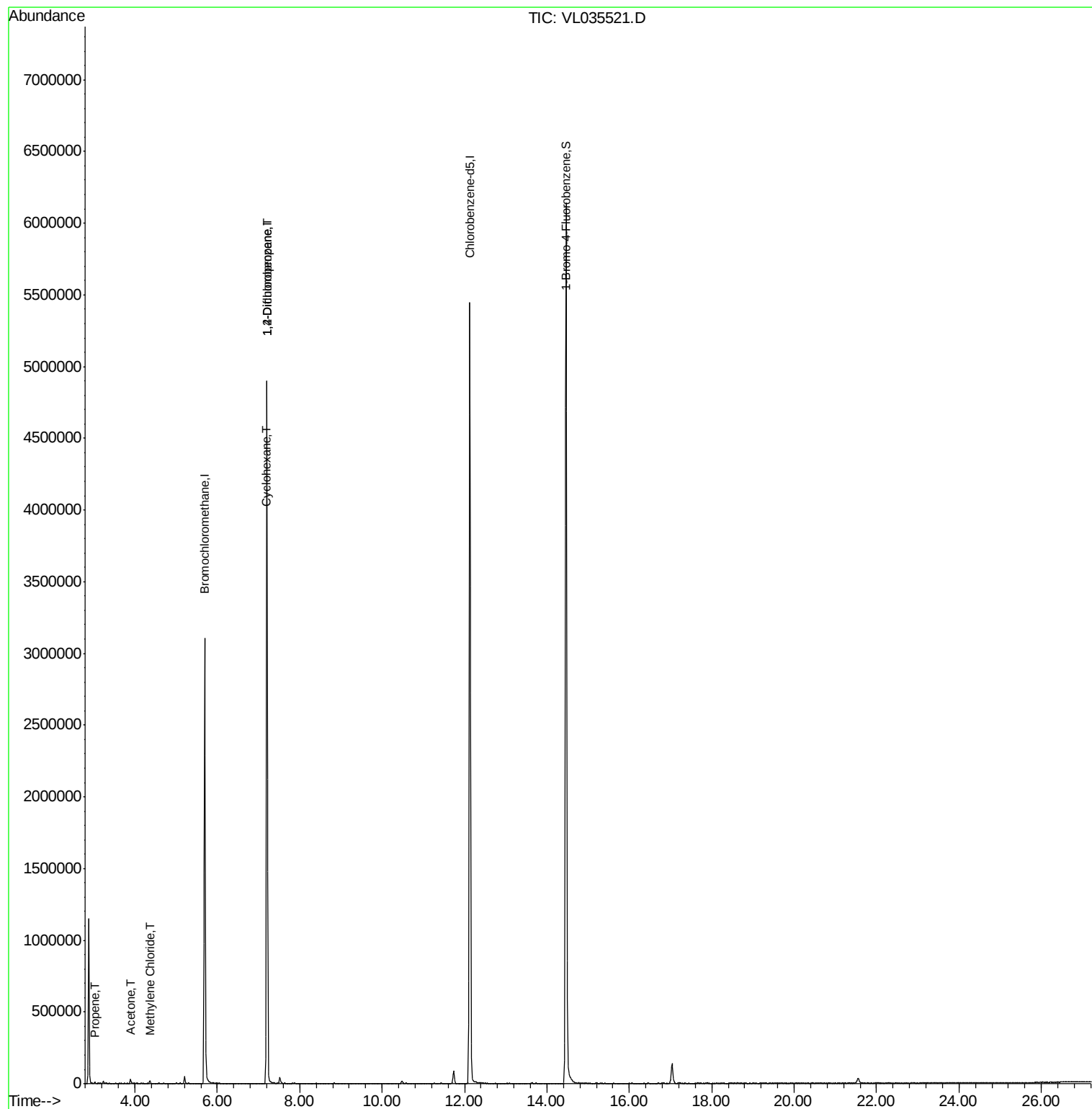
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	2009	0.048	ppbv #	82
15) Acetone	3.89	43	18565	0.171	ppbv #	24
20) Methylene Chloride	4.37	84	5350	0.066	ppbv	89
30) Cyclohexane	7.19	84	4544	0.039	ppbv #	9
39) 1,2-Dichloropropane	7.20	63	741888	8.350	ppbv #	32

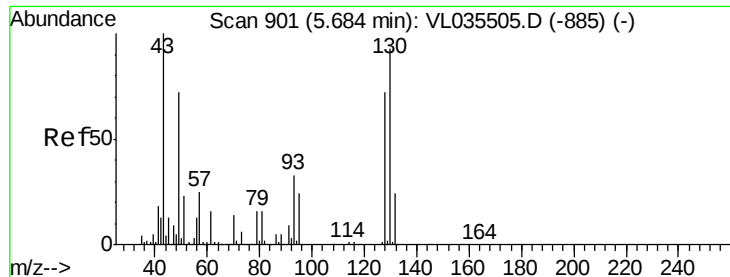
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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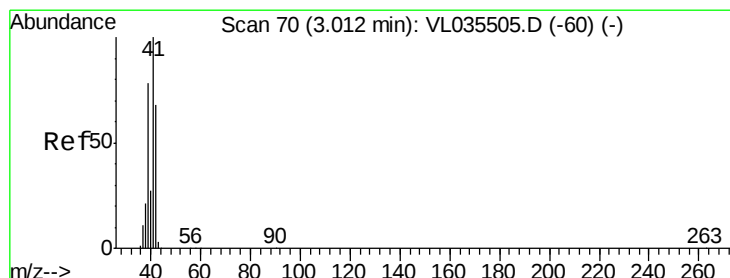
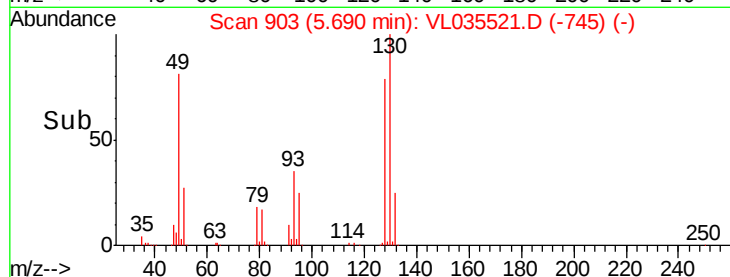
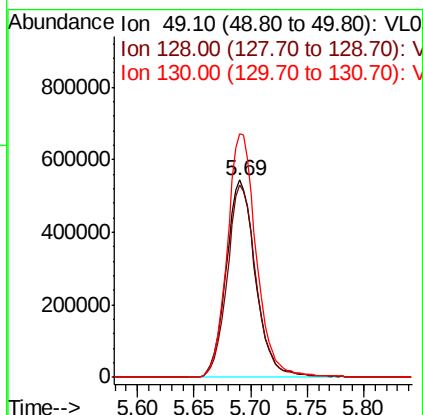
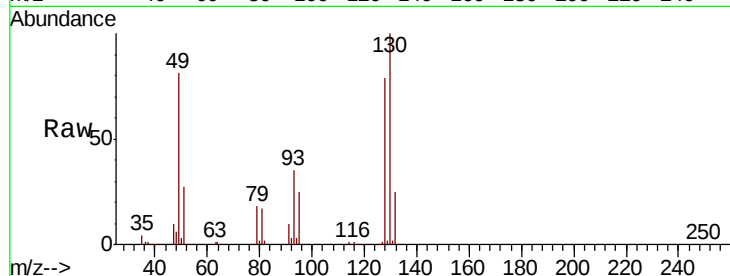




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.69 min Scan# 903
 Delta R.T. 0.01 min
 Lab File: VL035521.D
 Acq: 27 Aug 2020 15:18

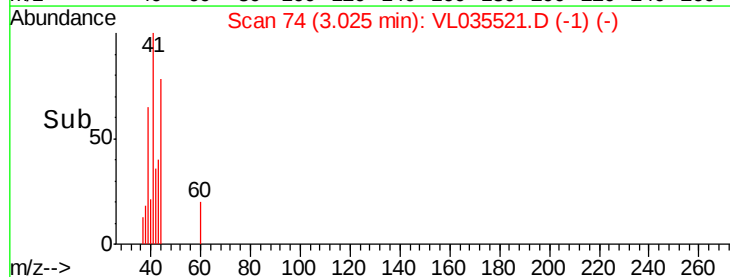
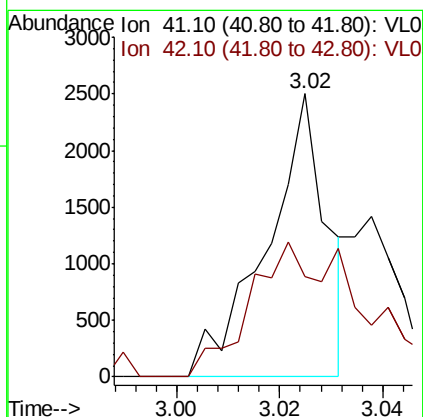
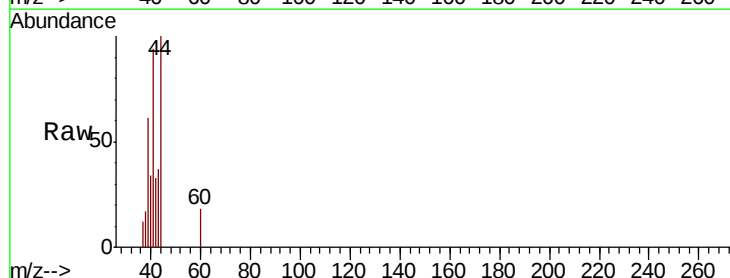
Instrument :
 MSVOA_L
 ClientSampleId :
 QC082520 CAN 10602

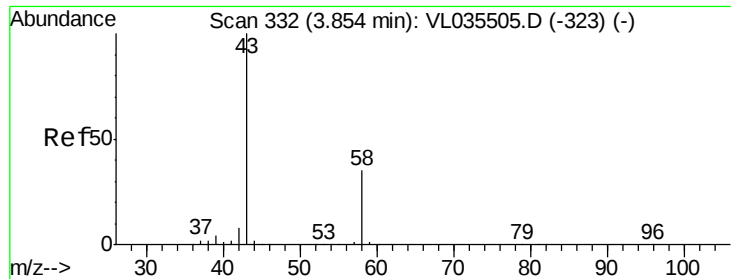
Tot Ion: 49 Resp: 985948
 Ion Ratio Lower Upper
 49 100
 128 96.5 50.0 150.1
 130 123.5 64.4 193.2



#9
 Propene
 Concen: 0.048 ppbv
 RT: 3.02 min Scan# 74
 Delta R.T. 0.01 min
 Lab File: VL035521.D
 Acq: 27 Aug 2020 15:18

Tgt Ion: 41 Resp: 2009
 Ion Ratio Lower Upper
 41 100
 42 85.6 56.3 84.5#





#15

Acetone

Concen: 0.171 ppbv

RT: 3.89 min Scan# 343

Delta R.T. 0.04 min

Lab File: VL035521.D

Acq: 27 Aug 2020 15:18

Instrument :

MSVOA_L

ClientSampleId :

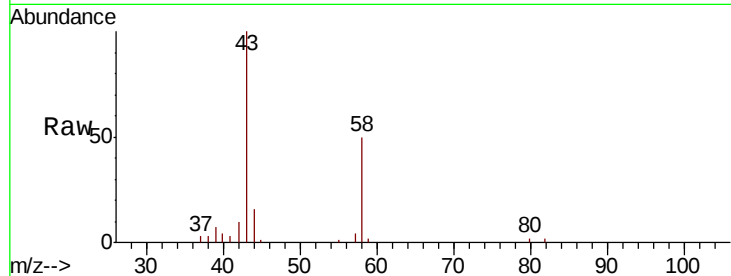
QC082520 CAN 10602

Tot Ion: 43 Resp: 18565

Ion Ratio Lower Upper

43 100

58 80.2 28.4 42.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

15000

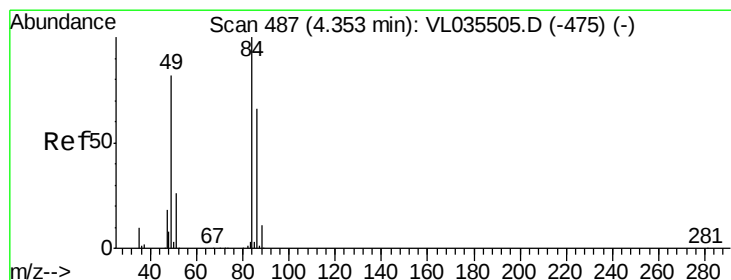
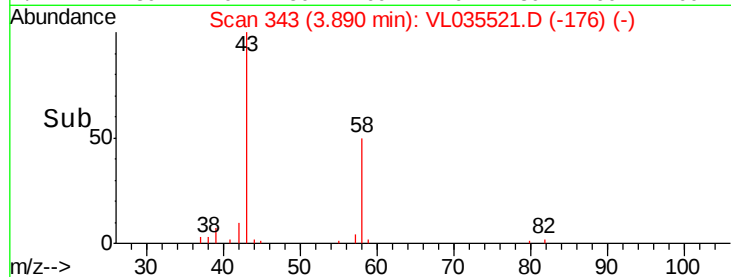
10000

5000

0

3.85 3.89 3.93

Time-->



#20

Methylene Chloride

Concen: 0.066 ppbv

RT: 4.37 min Scan# 491

Delta R.T. 0.01 min

Lab File: VL035521.D

Acq: 27 Aug 2020 15:18

Tgt Ion: 84 Resp: 5350

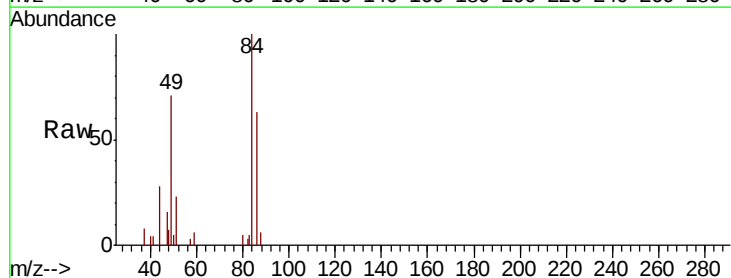
Ion Ratio Lower Upper

84 100

49 66.9 65.4 98.0

51 23.7 21.5 32.3

86 61.1 52.9 79.3



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

8000

6000

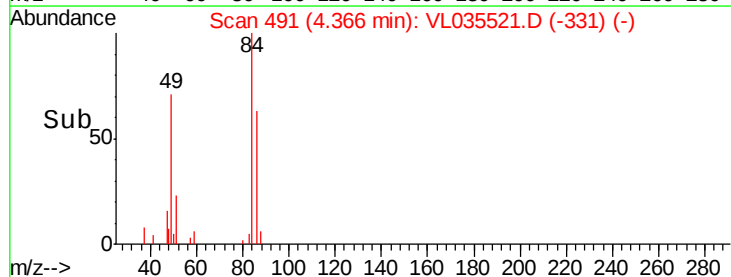
4000

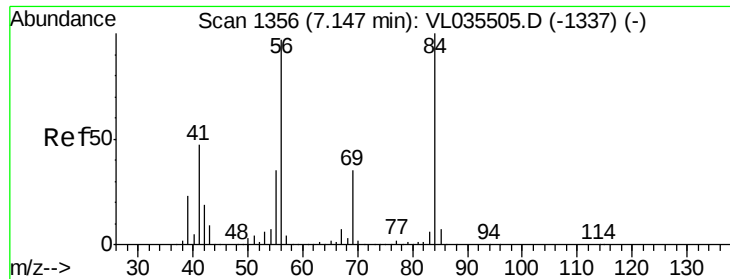
2000

0

4.36 4.37 4.38 4.40

Time-->

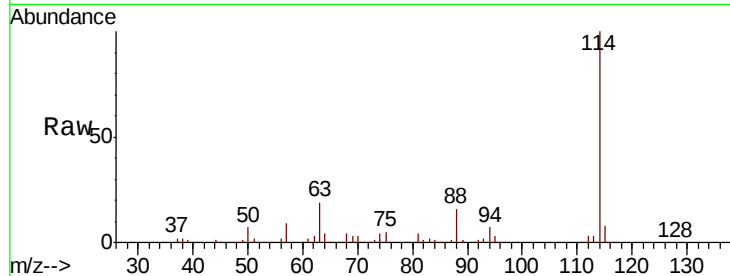




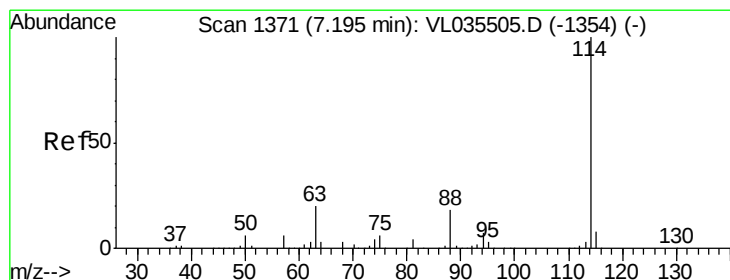
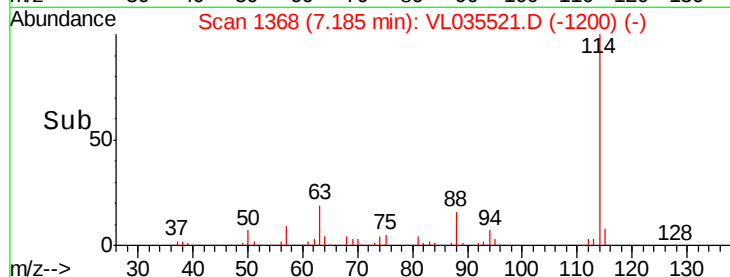
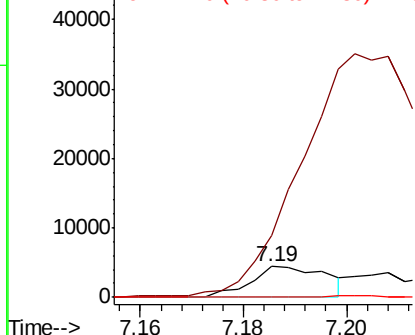
#30
Cyclohexane
Concen: 0.039 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. 0.04 min
Lab File: VL035521.D
Acq: 27 Aug 2020 15:18

Instrument :
MSVOA_L
ClientSampleId :
QC082520 CAN 10602

Tot Ion: 84 Resp: 4544
Ion Ratio Lower Upper
84 100
56 0.0 80.1 120.1#
41 0.0 38.1 57.1#

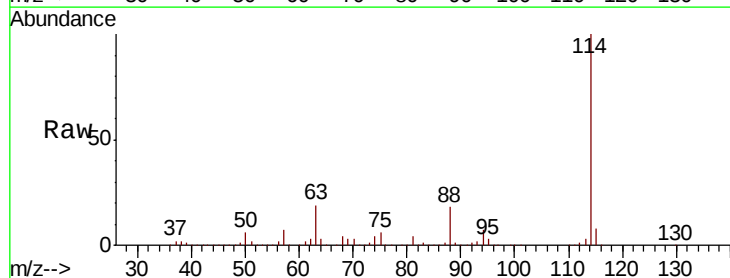


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

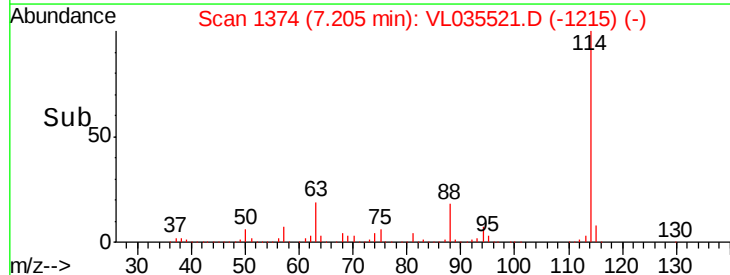
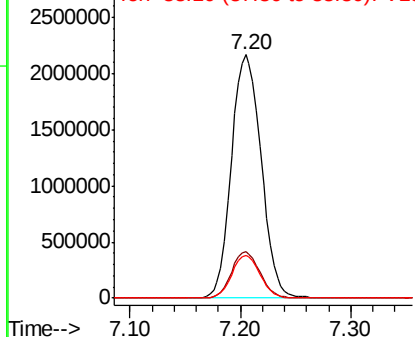


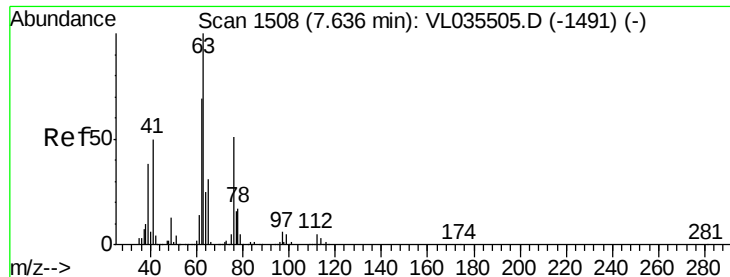
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1374
Delta R.T. 0.01 min
Lab File: VL035521.D
Acq: 27 Aug 2020 15:18

Tgt Ion: 114 Resp: 4062935
Ion Ratio Lower Upper
114 100
63 18.3 14.7 22.1
88 16.8 13.4 20.2



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: 8.350 ppbv

RT: 7.20 min Scan# 1374

Delta R.T. -0.43 min

Lab File: VL035521.D

Acq: 27 Aug 2020 15:18

Instrument :

MSVOA_L

ClientSampleId :

QC082520 CAN 10602

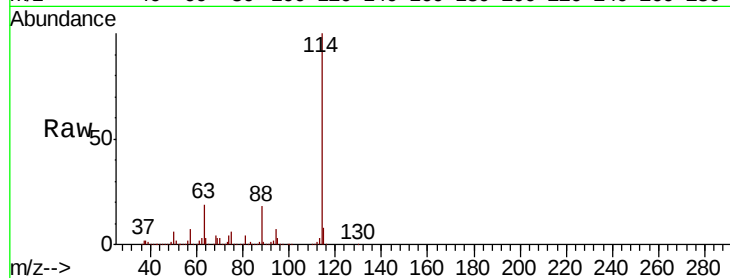
Tot Ion: 63 Resp: 741888

Ion Ratio Lower Upper

63 100

41 0.1 40.0 60.0#

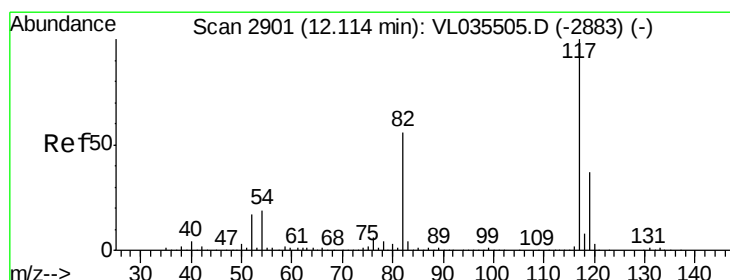
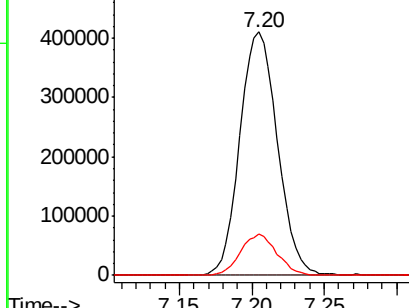
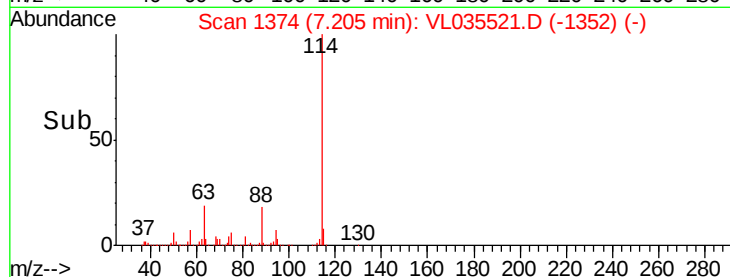
62 16.8 55.4 83.0#



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: 12.13 min Scan# 2906

Delta R.T. 0.02 min

Lab File: VL035521.D

Acq: 27 Aug 2020 15:18

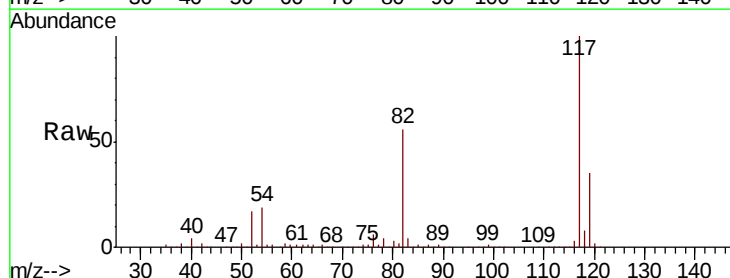
Tgt Ion: 117 Resp: 4097923

Ion Ratio Lower Upper

117 100

82 55.5 41.6 62.4

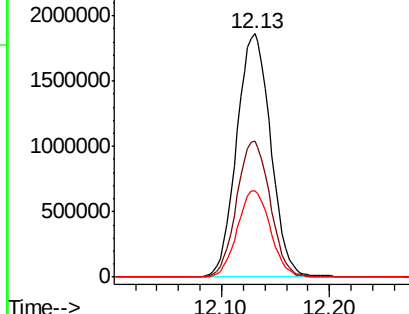
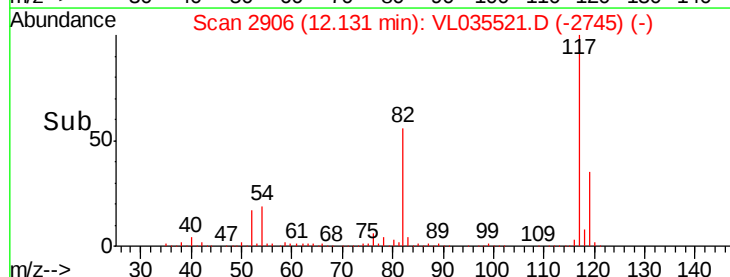
119 34.8 29.3 43.9

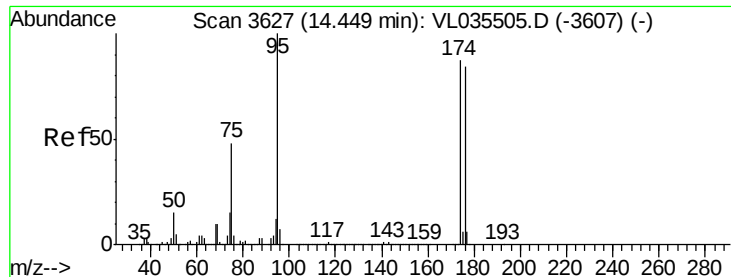


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.303 ppbv

RT: 14.46 min Scan# 3631

Delta R.T. 0.01 min

Lab File: VL035521.D

Acq: 27 Aug 2020 15:18

Instrument :

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QC082520 CAN 10602

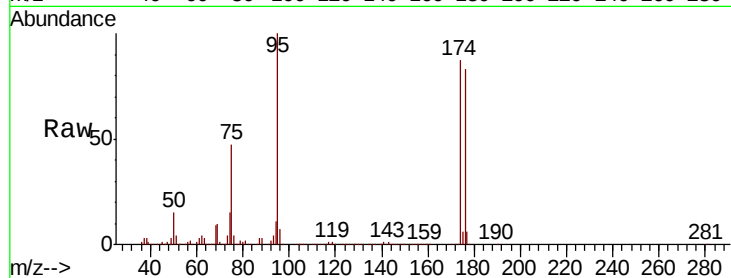
Tot Ion: 95 Resp: 2998329

Ion Ratio Lower Upper

95 100

174 87.7 69.6 104.4

175 6.3 5.1 7.7



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

