

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051821\
 Data File : VL036961.D
 Acq On : 18 May 2021 10:11
 Operator : SY/AP
 Sample : OC051121 CAN 10604
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC051121 CAN 10604

Quant Time: May 19 03:11:06 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1311625	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3724643	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3409622	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	2555240	9.98	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.80%

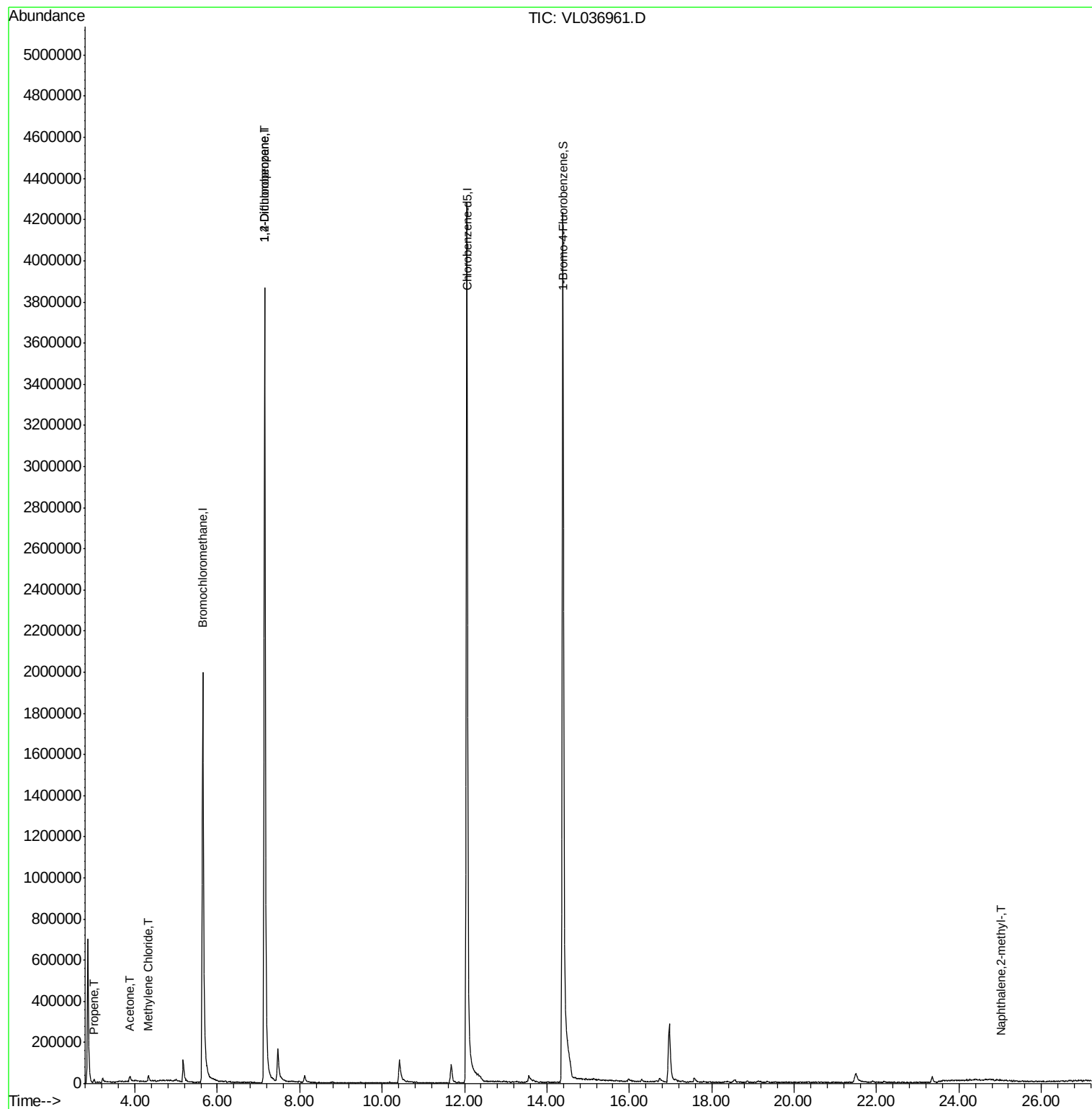
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	3420	0.040	ppbv #	50
15) Acetone	3.87	43	25030	0.186	ppbv #	1
20) Methylene Chloride	4.32	84	5259	0.073	ppbv #	91
39) 1,2-Dichloropropane	7.15	63	873882	7.071	ppbv #	25
80) Naphthalene,2-methyl-	25.02	142	2950	0.040	ppbv #	92

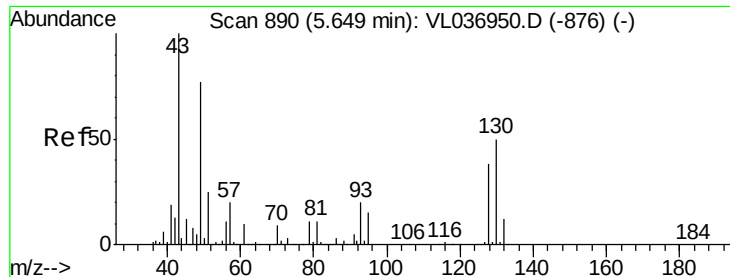
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.00 min

Lab File: VL036961.D

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MSVOA_L

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QC051121 CAN 10604

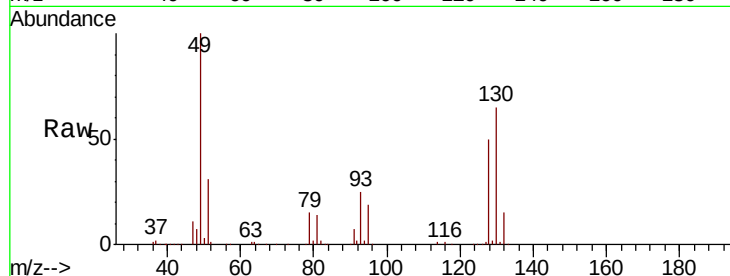
Tot Ion: 49 Resp: 1311625

Ion Ratio Lower Upper

49 100

128 54.1 26.9 80.7

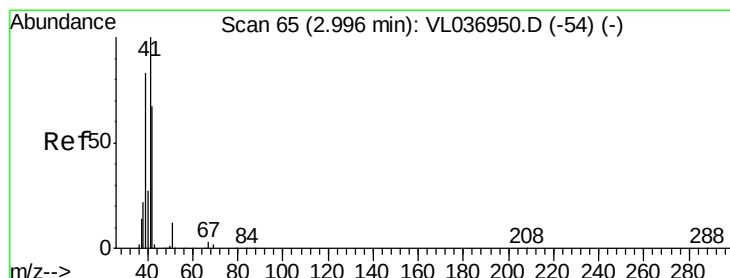
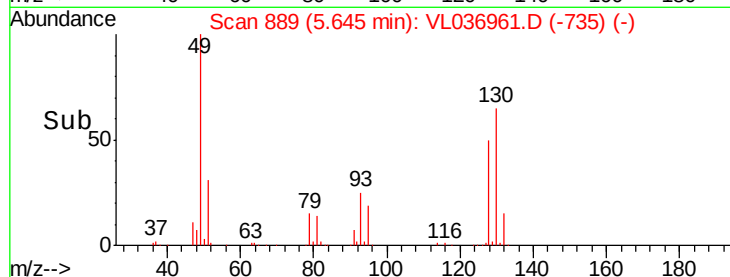
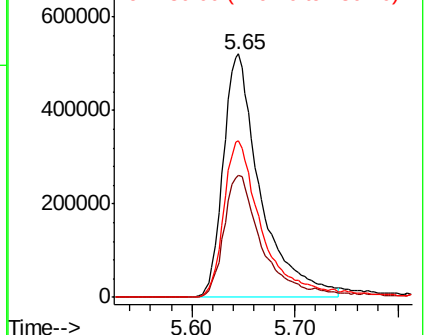
130 69.8 33.8 101.4



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: 3.00 min Scan# 66

Delta R.T. 0.00 min

Lab File: VL036961.D

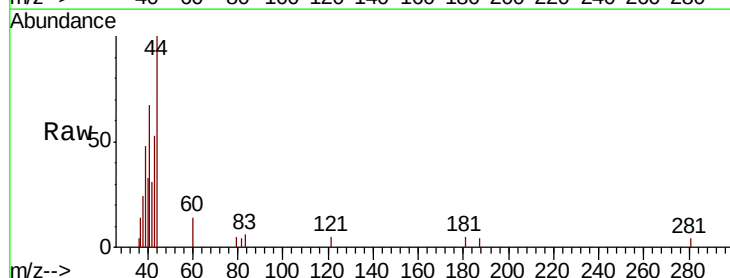
Acq: 18 May 2021 10:11

Tgt Ion: 41 Resp: 3420

Ion Ratio Lower Upper

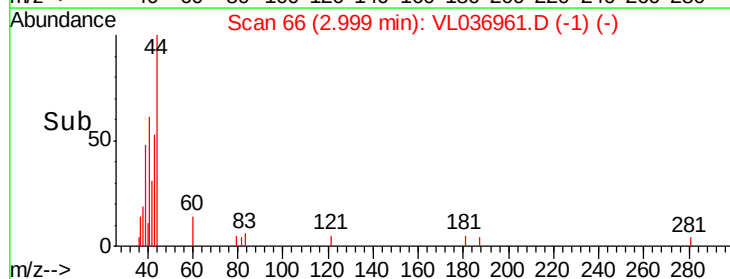
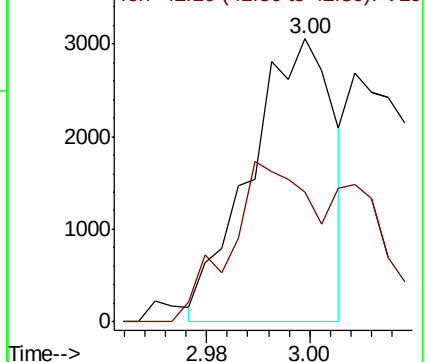
41 100

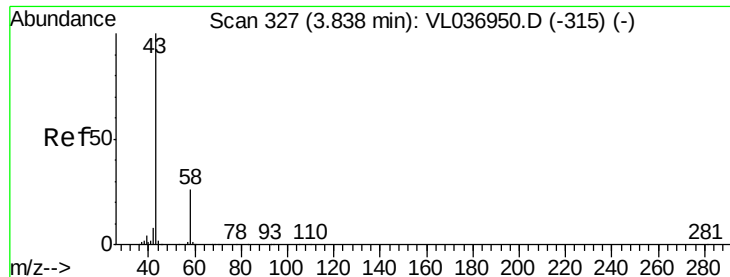
42 107.4 53.9 80.9#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.186 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.03 min

Lab File: VL036961.D

Acq: 18 May 2021 10:11

Instrument :

MSVOA_L

ClientSampleId :

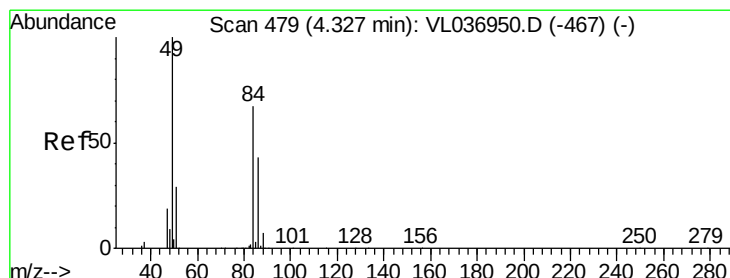
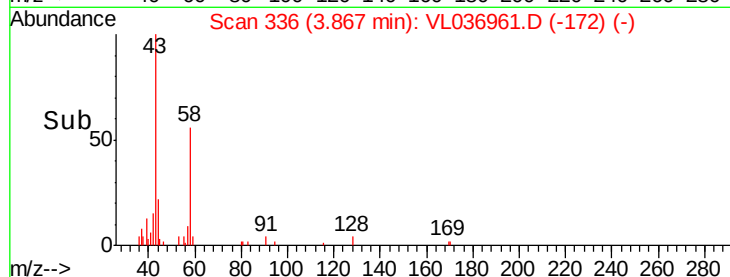
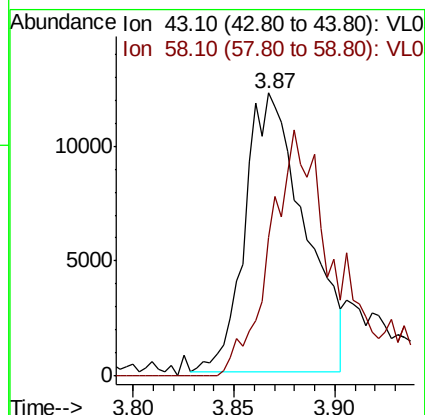
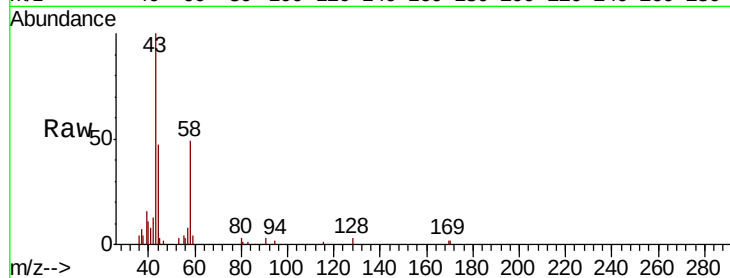
QC051121 CAN 10604

Tot Ion: 43 Resp: 25030

Ion Ratio Lower Upper

43 100

58 108.2 24.0 36.0#



#20

Methylene Chloride

Concen: 0.073 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL036961.D

Acq: 18 May 2021 10:11

Tgt Ion: 84 Resp: 5259

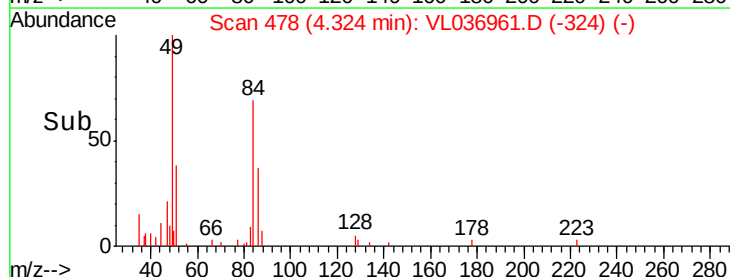
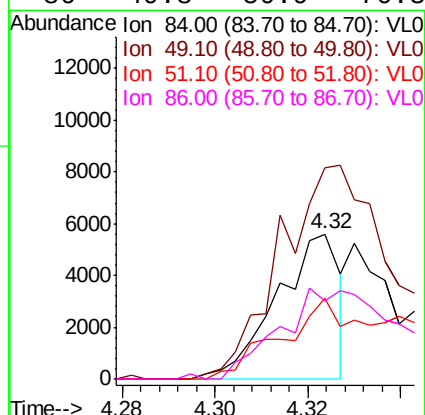
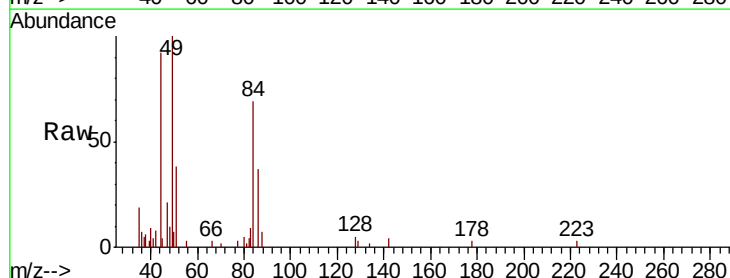
Ion Ratio Lower Upper

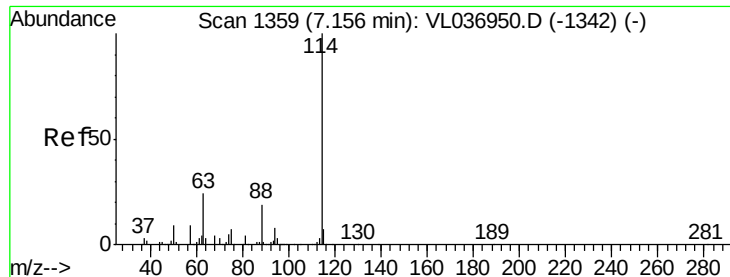
84 100

49 145.6 119.8 179.6

51 56.0 35.1 52.7#

86 49.8 50.9 76.3#

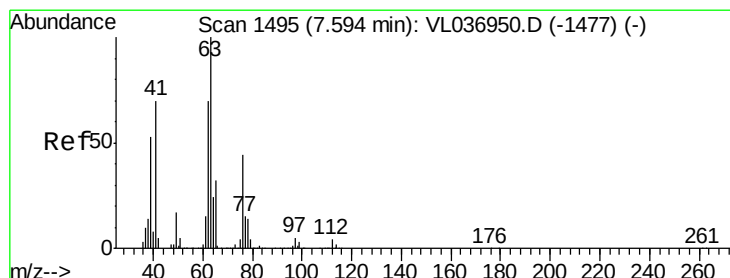
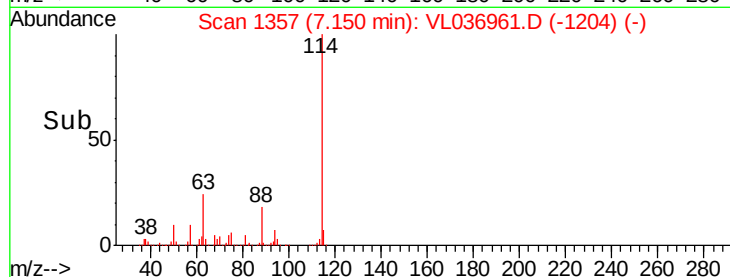
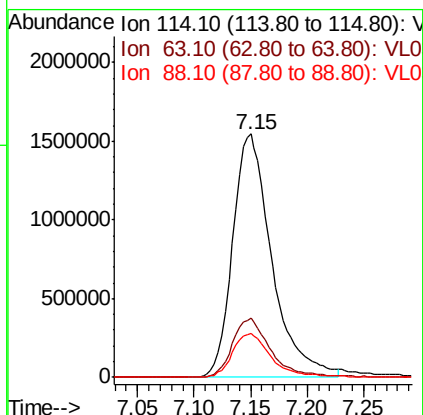
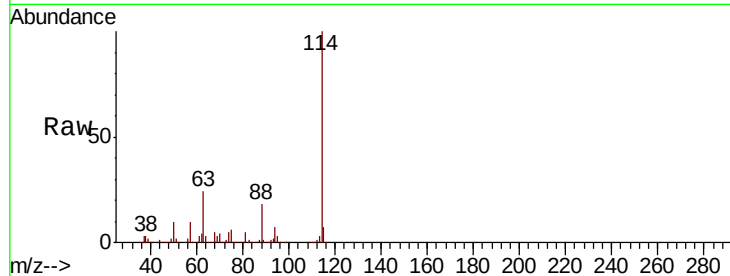




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VL036961.D
 Acq: 18 May 2021 10:11

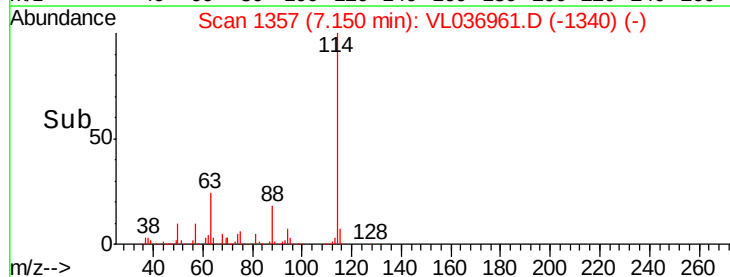
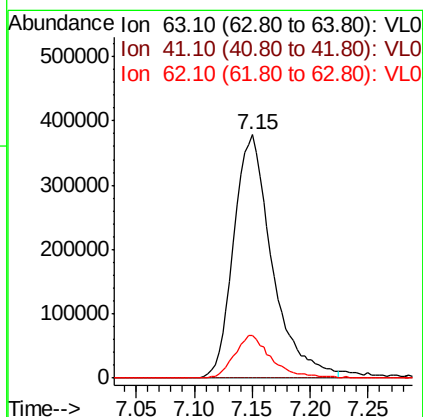
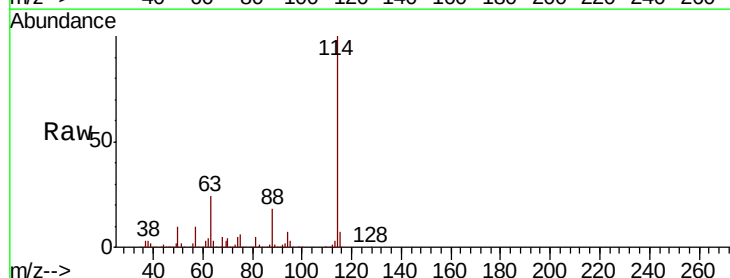
Instrument :
 MSVOA_L
 ClientSampleId :
 QC051121 CAN 10604

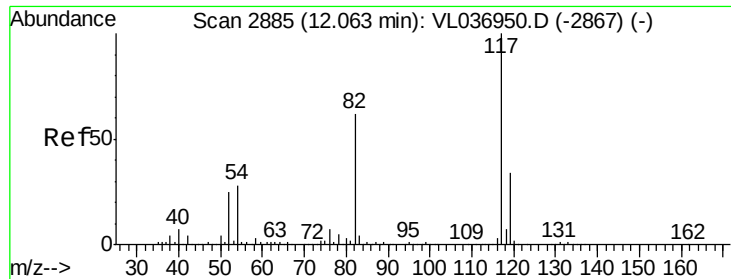
Tot Ion:114 Resp: 3724643
 Ion Ratio Lower Upper
 114 100
 63 24.3 19.6 29.4
 88 18.2 14.6 21.8



#39
 1,2-Dichloropropane
 Concen: 7.071 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.44 min
 Lab File: VL036961.D
 Acq: 18 May 2021 10:11

Tgt Ion: 63 Resp: 873882
 Ion Ratio Lower Upper
 63 100
 41 0.0 55.7 83.5#
 62 17.5 56.2 84.4#

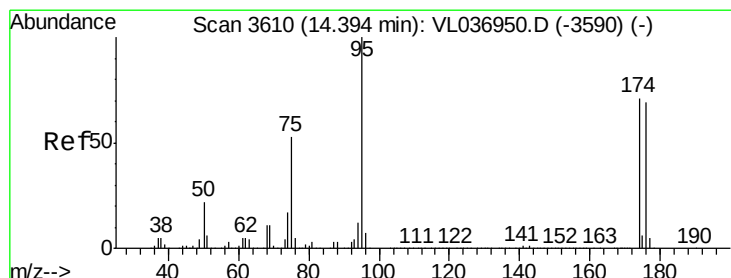
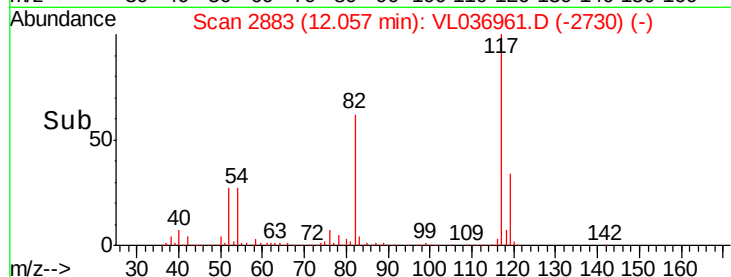
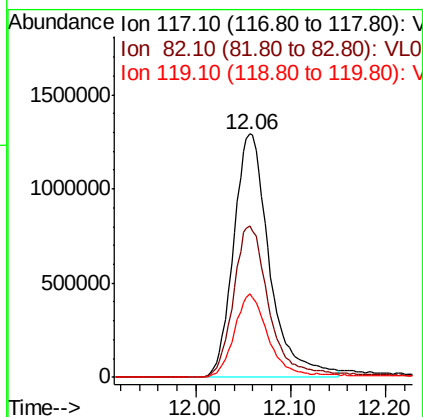
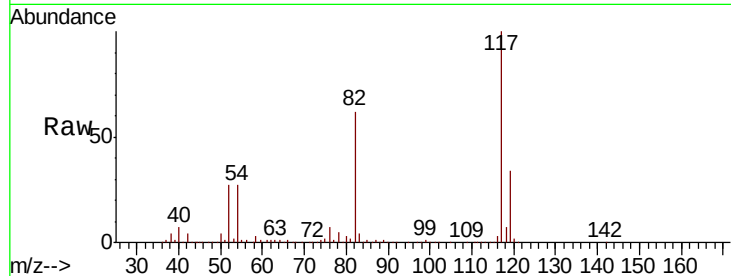




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2883
Delta R.T. -0.01 min
Lab File: VL036961.D
Acq: 18 May 2021 10:11

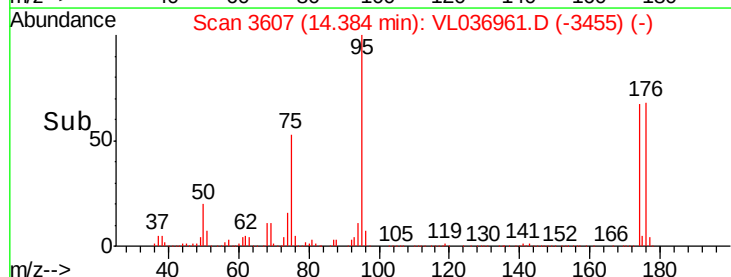
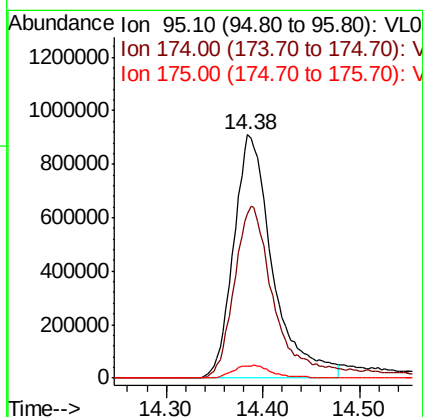
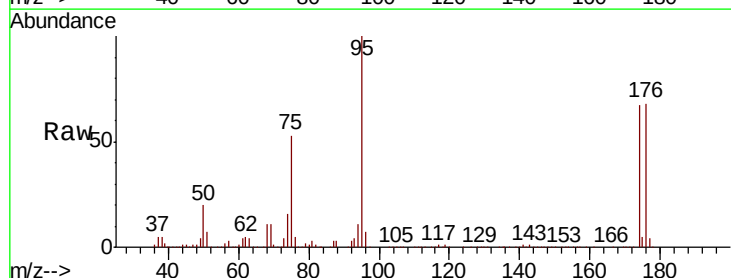
Instrument :
MSVOA_L
ClientSampleId :
QC051121 CAN 10604

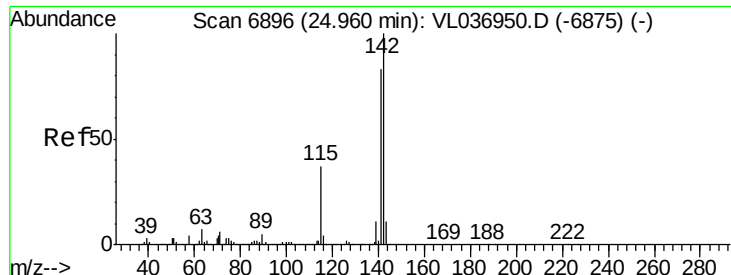
Tot Ion:117 Resp: 3409622
Ion Ratio Lower Upper
117 100
82 64.1 52.6 79.0
119 34.5 46.6 70.0#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.976 ppbv
RT: 14.38 min Scan# 3607
Delta R.T. -0.01 min
Lab File: VL036961.D
Acq: 18 May 2021 10:11

Tgt Ion: 95 Resp: 2555240
Ion Ratio Lower Upper
95 100
174 77.0 58.4 87.6
175 5.7 4.4 6.6





#80

Naphthalene, 2-methyl-

Concen: 0.040 ppbv

RT: 25.02 min Scan# 6916

Delta R.T. 0.06 min

Lab File: VL036961.D

Acq: 18 May 2021 10:11

Instrument :

MSVOA_L

ClientSampleId :

QC051121 CAN 10604

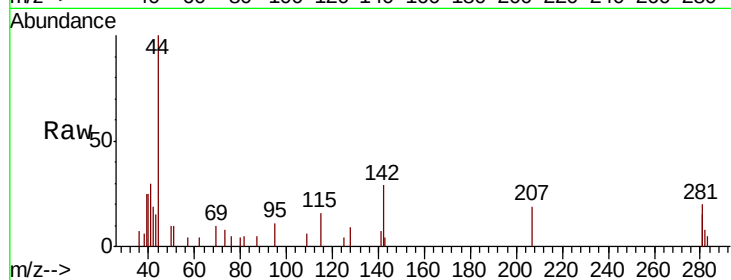
Tot Ion:142 Resp: 2950

Ion Ratio Lower Upper

142 100

141 82.5 69.3 103.9

115 27.7 29.1 43.7#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

