

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051920\
 Data File : VL035067.D
 Acq On : 20 May 2020 6:02
 Operator : SY/AP
 Sample : L2683-09DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 20 08:13:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1069718	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.16	114	2457668	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.09	117	2383977	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2015478	10.44	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.40%

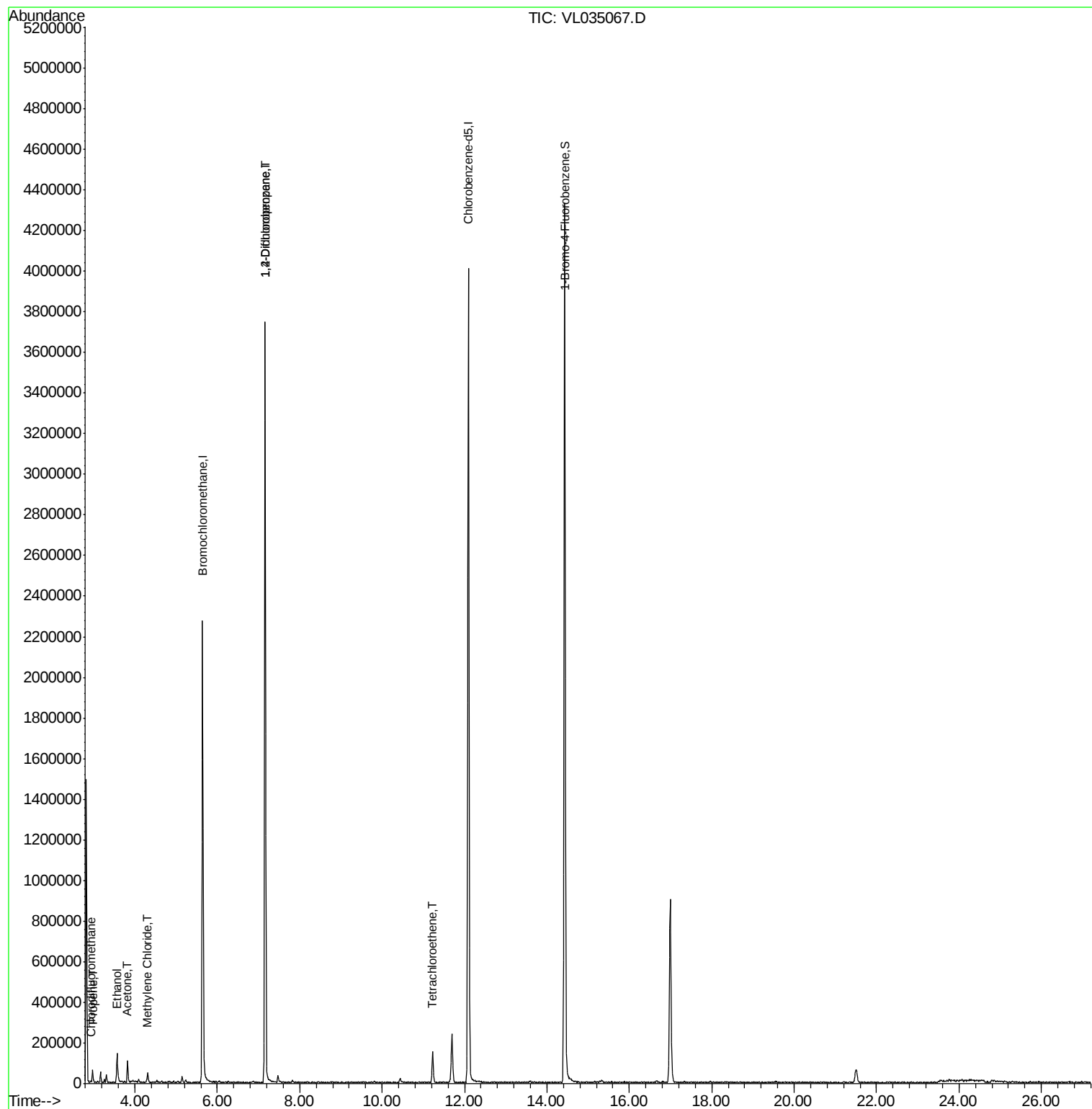
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.93	51	3689	0.030	ppbv #	91
9) Propene	2.97	41	14174	0.267	ppbv	88
13) Ethanol	3.56	45	138623	7.927	ppbv	97
15) Acetone	3.82	43	92004	0.651	ppbv	92
20) Methylene Chloride	4.31	84	11866	0.253	ppbv #	73
39) 1,2-Dichloropropane	7.16	63	684578	8.428	ppbv #	25
52) Tetrachloroethene	11.21	164	8630	0.120	ppbv	91

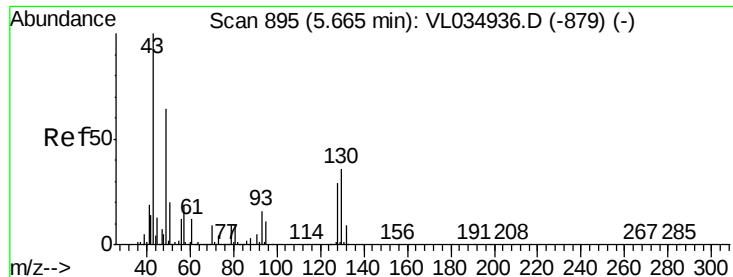
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 887

Delta R.T. -0.03 min

Lab File: VL035067.D

Acq: 20 May 2020 6:02

Instrument :
MSVOA_L
ClientSampleId :

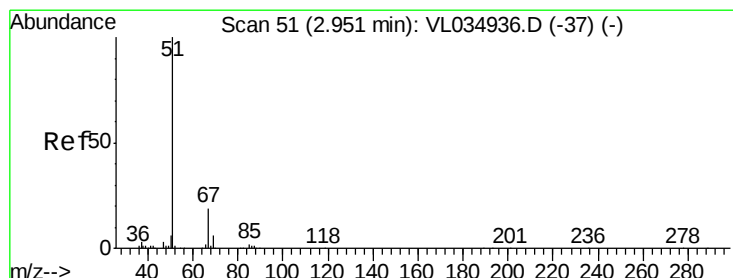
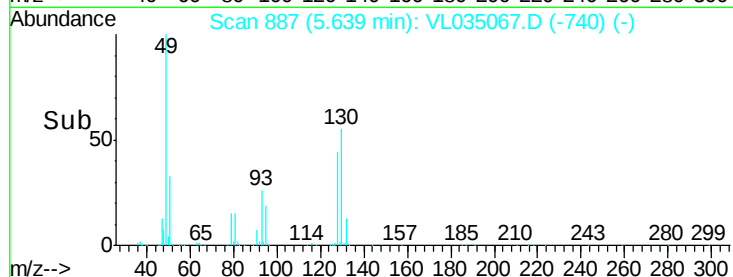
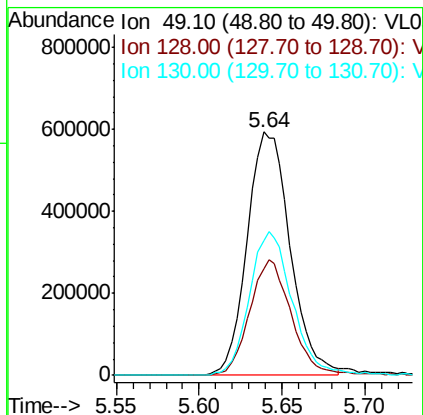
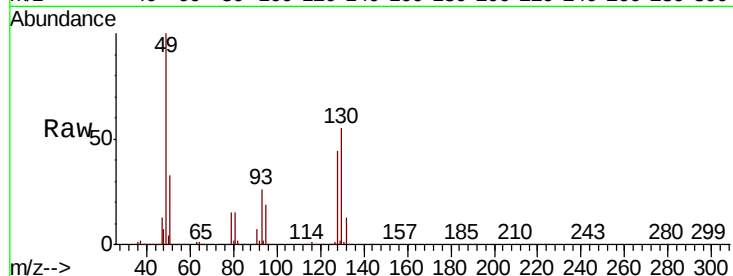
Tot Ion: 49 Resp: 1069718

Ion Ratio Lower Upper

49 100

128 46.6 22.1 66.5

130 58.9 29.1 87.3



#3

Chlorodifluoromethane

Concen: 0.030 ppbv

RT: 2.93 min Scan# 46

Delta R.T. -0.02 min

Lab File: VL035067.D

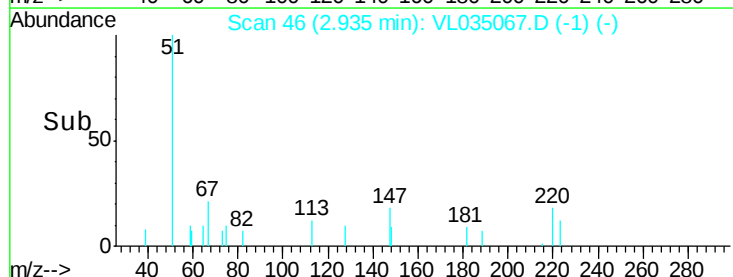
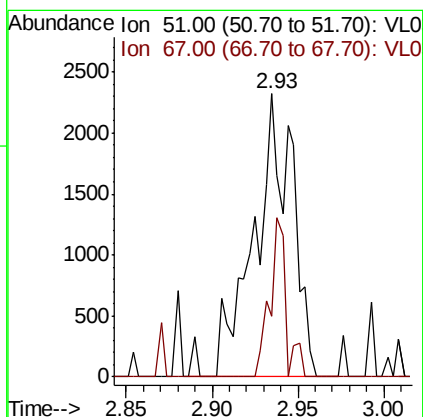
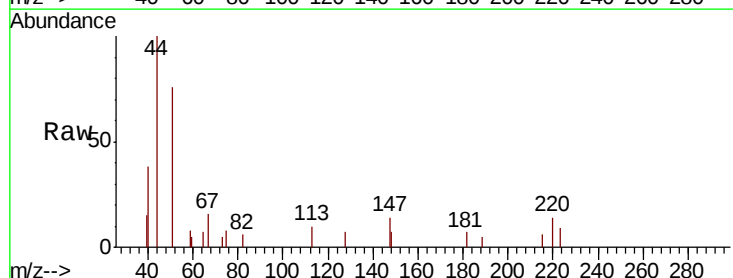
Acq: 20 May 2020 6:02

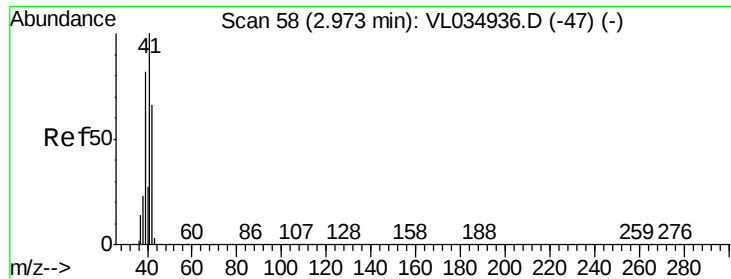
Tgt Ion: 51 Resp: 3689

Ion Ratio Lower Upper

51 100

67 22.7 15.0 22.6#





#9

Propene

Concen: 0.267 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.00 min

Lab File: VL035067.D

Acq: 20 May 2020 6:02

Instrument :

MSVOA_L

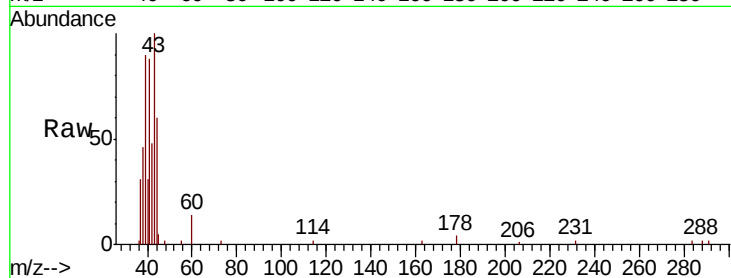
ClientSampleId :

Tot Ion: 41 Resp: 14174

Ion Ratio Lower Upper

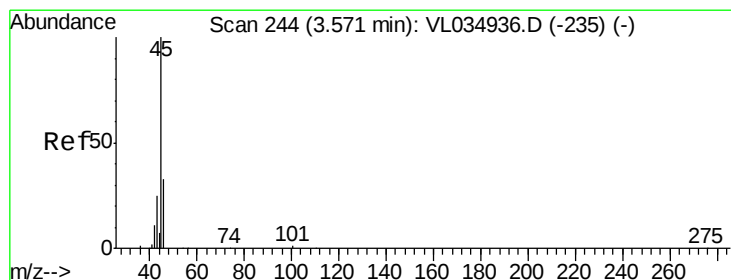
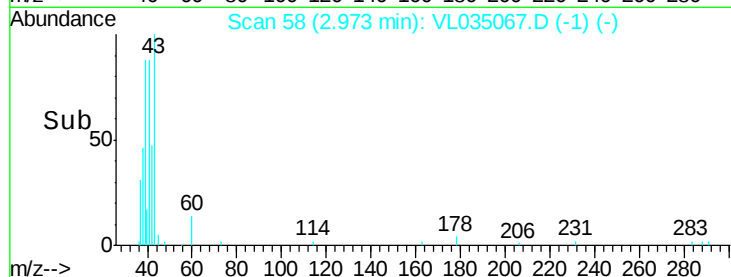
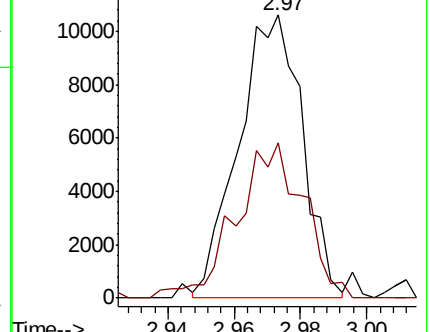
41 100

42 58.2 54.5 81.7



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#13

Ethanol

Concen: 7.927 ppbv

RT: 3.56 min Scan# 242

Delta R.T. -0.01 min

Lab File: VL035067.D

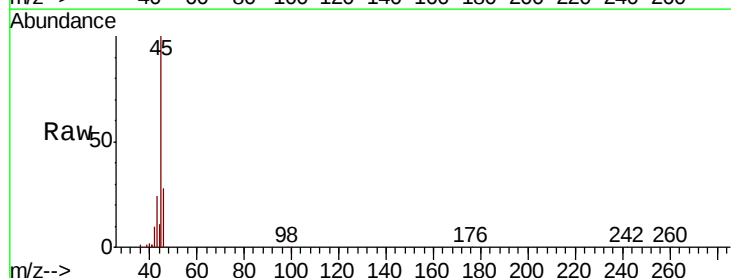
Acq: 20 May 2020 6:02

Tgt Ion: 45 Resp: 138623

Ion Ratio Lower Upper

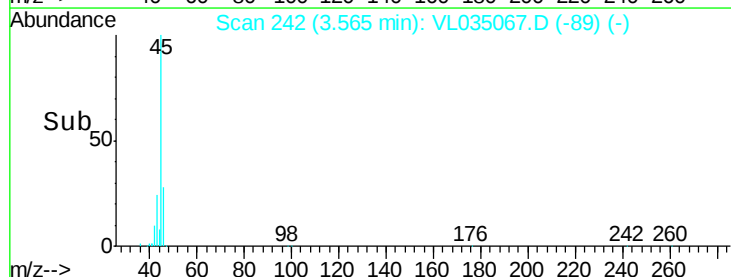
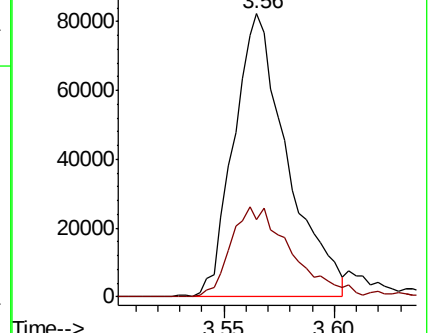
45 100

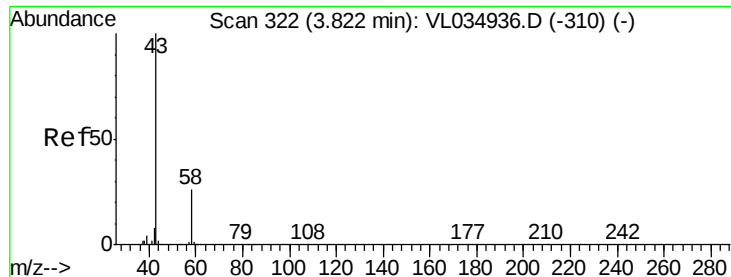
46 37.4 14.3 57.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.651 ppbv

RT: 3.82 min Scan# 321

Delta R.T. -0.00 min

Lab File: VL035067.D

Acq: 20 May 2020 6:02

Instrument :

MSVOA_L

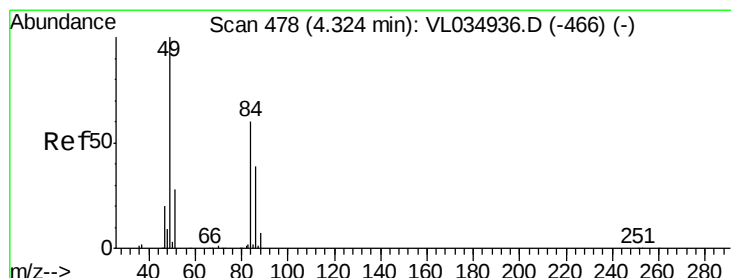
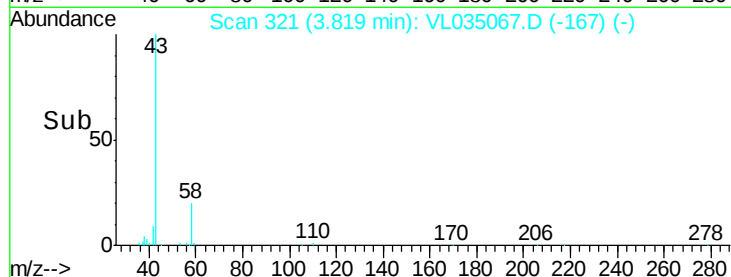
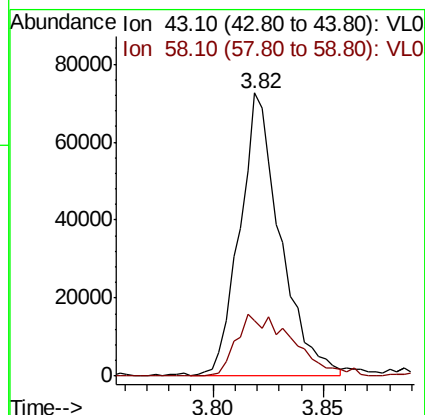
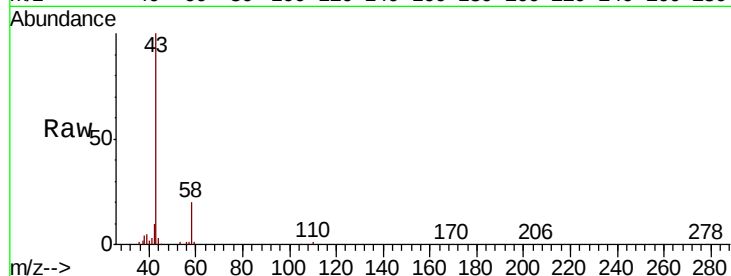
ClientSampleId :

Tot Ion: 43 Resp: 92004

Ion Ratio Lower Upper

43 100

58 31.3 21.7 32.5



#20

Methylene Chloride

Concen: 0.253 ppbv

RT: 4.31 min Scan# 474

Delta R.T. -0.01 min

Lab File: VL035067.D

Acq: 20 May 2020 6:02

Tgt Ion: 84 Resp: 11866

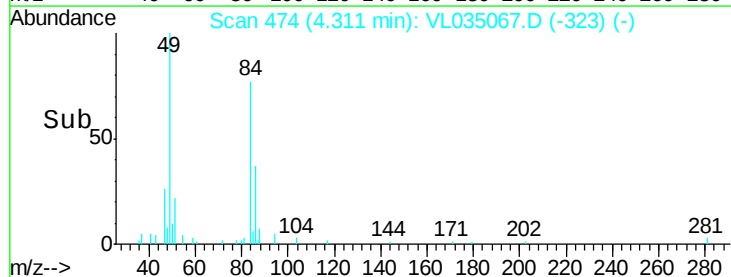
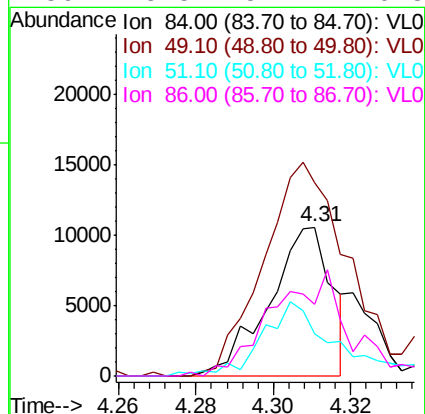
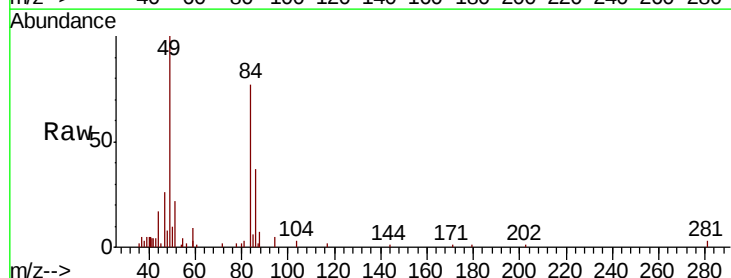
Ion Ratio Lower Upper

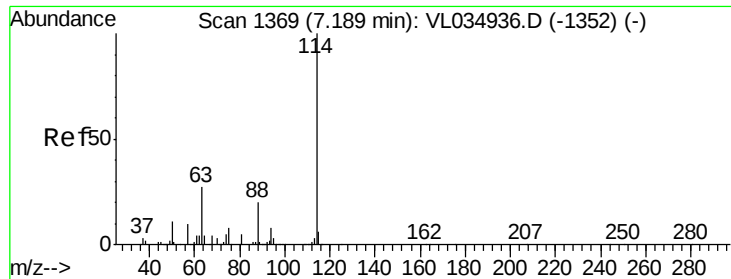
84 100

49 130.1 132.5 198.7#

51 26.9 38.4 57.6#

86 45.5 51.2 76.8#

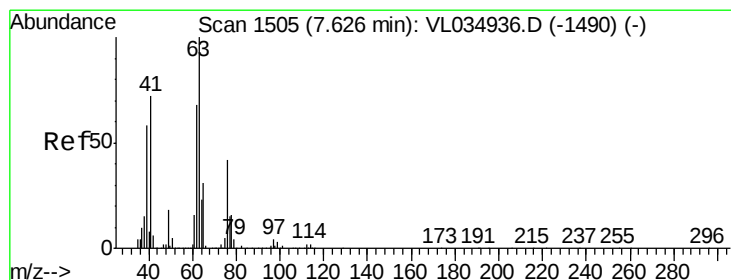
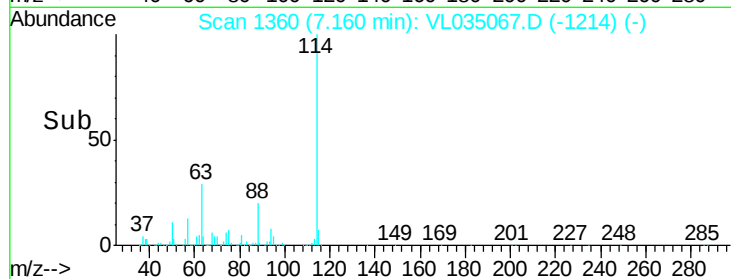
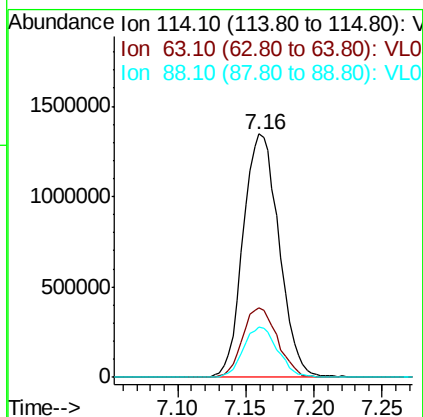
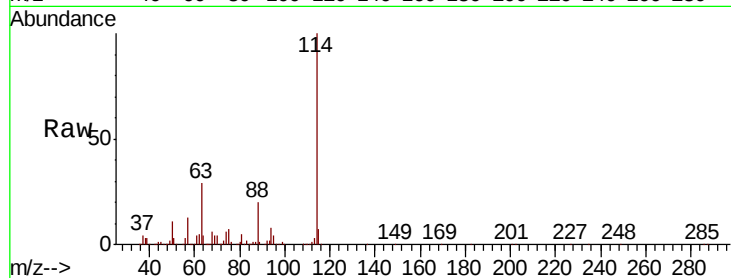




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.03 min
 Lab File: VL035067.D
 Acq: 20 May 2020 6:02

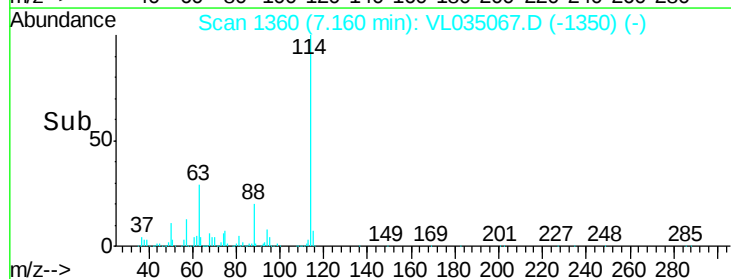
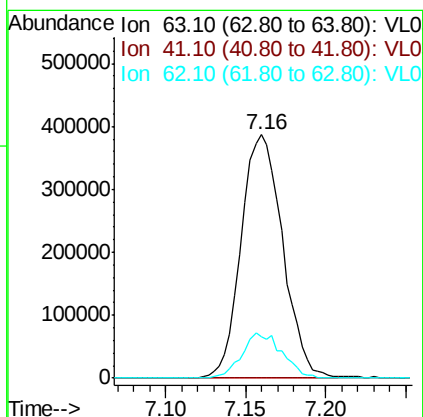
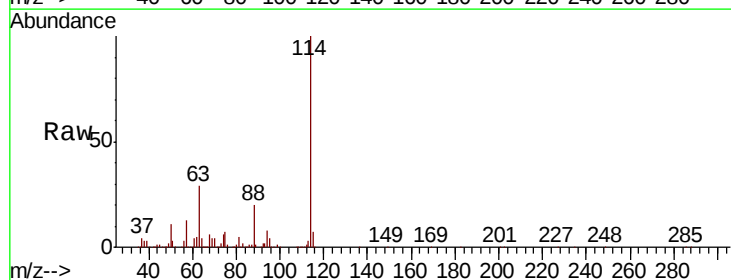
Instrument :
 MSVOA_L
 ClientSampleId :

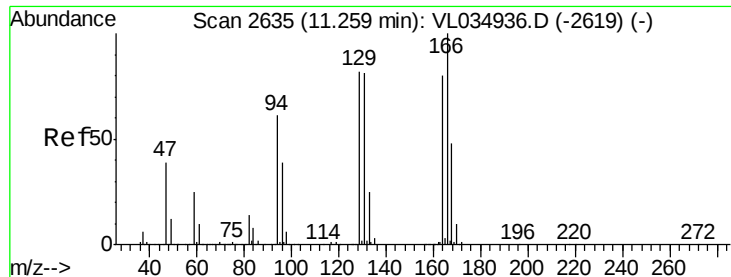
Tot Ion:114 Resp: 2457668
 Ion Ratio Lower Upper
 114 100
 63 28.1 22.2 33.4
 88 19.8 15.5 23.3



#39
 1,2-Dichloropropane
 Concen: 8.428 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.47 min
 Lab File: VL035067.D
 Acq: 20 May 2020 6:02

Tgt Ion: 63 Resp: 684578
 Ion Ratio Lower Upper
 63 100
 41 0.0 57.8 86.8#
 62 16.9 54.2 81.2#





#52

Tetrachloroethene

Concen: 0.120 ppbv

RT: 11.21 min Scan# 2621

Delta R.T. -0.05 min

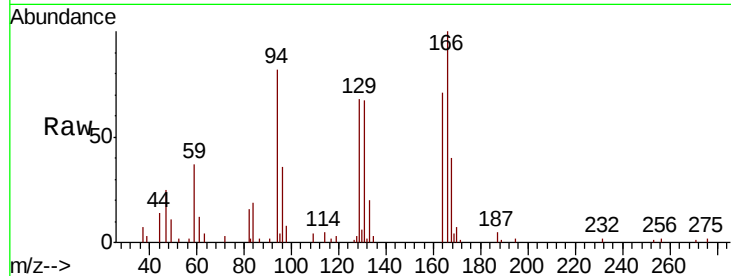
Lab File: VL035067.D

Acq: 20 May 2020 6:02

Instrument :

MSVOA_L

ClientSampled :



Tot Ion:164 Resp: 8630

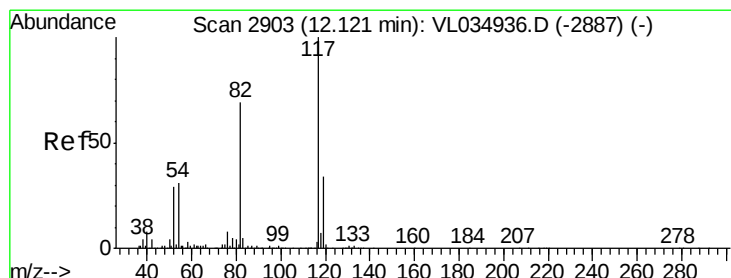
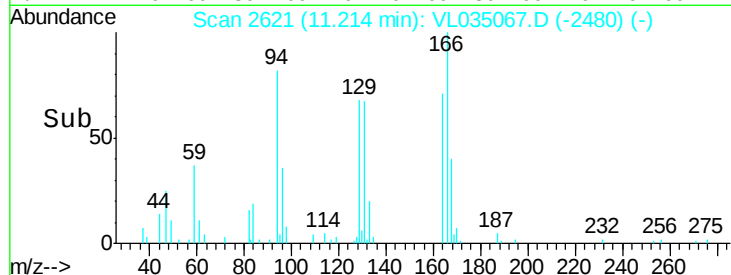
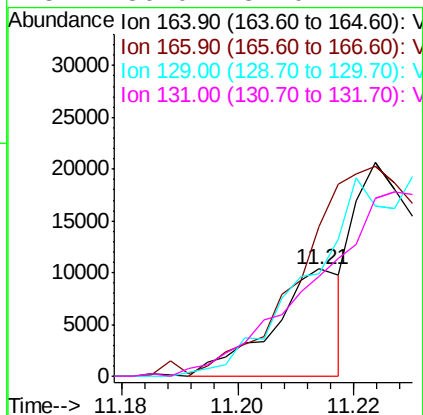
Ion Ratio Lower Upper

164 100

166 136.9 100.7 151.1

129 100.1 83.0 124.4

131 86.0 81.0 121.4



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2894

Delta R.T. -0.03 min

Lab File: VL035067.D

Acq: 20 May 2020 6:02

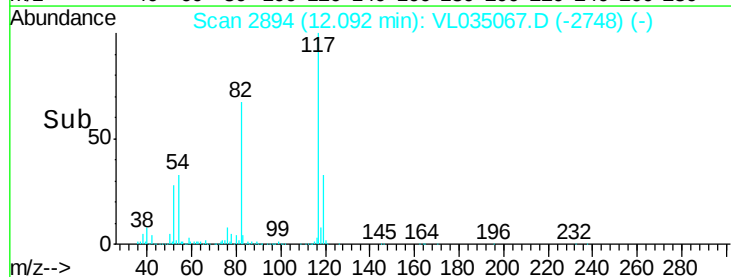
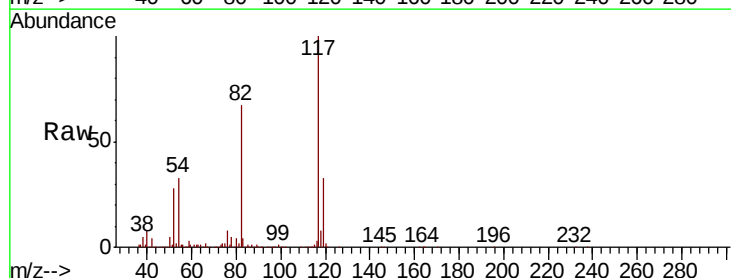
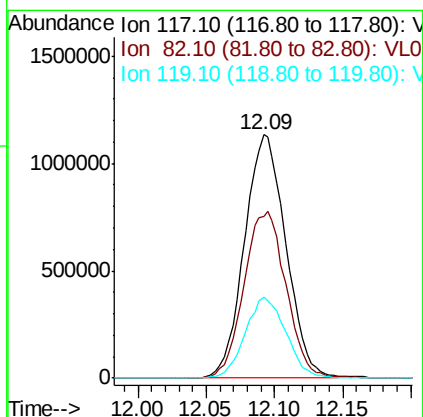
Tgt Ion:117 Resp: 2383977

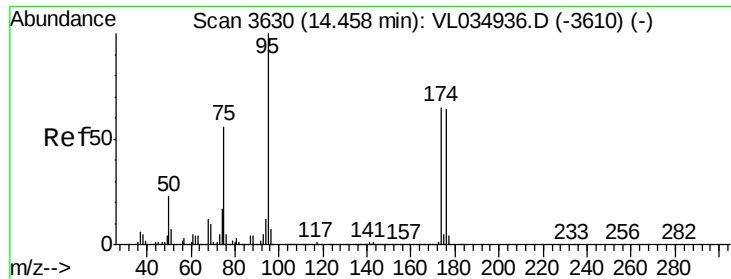
Ion Ratio Lower Upper

117 100

82 70.4 53.1 79.7

119 33.0 26.7 40.1





#68

1-Bromo-4-Fluorobenzene

Concen: 10.445 ppbv

RT: 14.43 min Scan# 3622

Delta R.T. -0.03 min

Lab File: VL035067.D

Acq: 20 May 2020 6:02

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 2015478

Ion Ratio Lower Upper

95 100

174 63.2 51.5 77.3

175 4.8 3.8 5.8

