

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091720\
 Data File : VL035659.D
 Acq On : 17 Sep 2020 16:49
 Operator : SY/AP
 Sample : L4016-02DL 100X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-14DL

Quant Time: Sep 18 04:17:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1109094	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4455797	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4431608	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3290670	10.46	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.60%

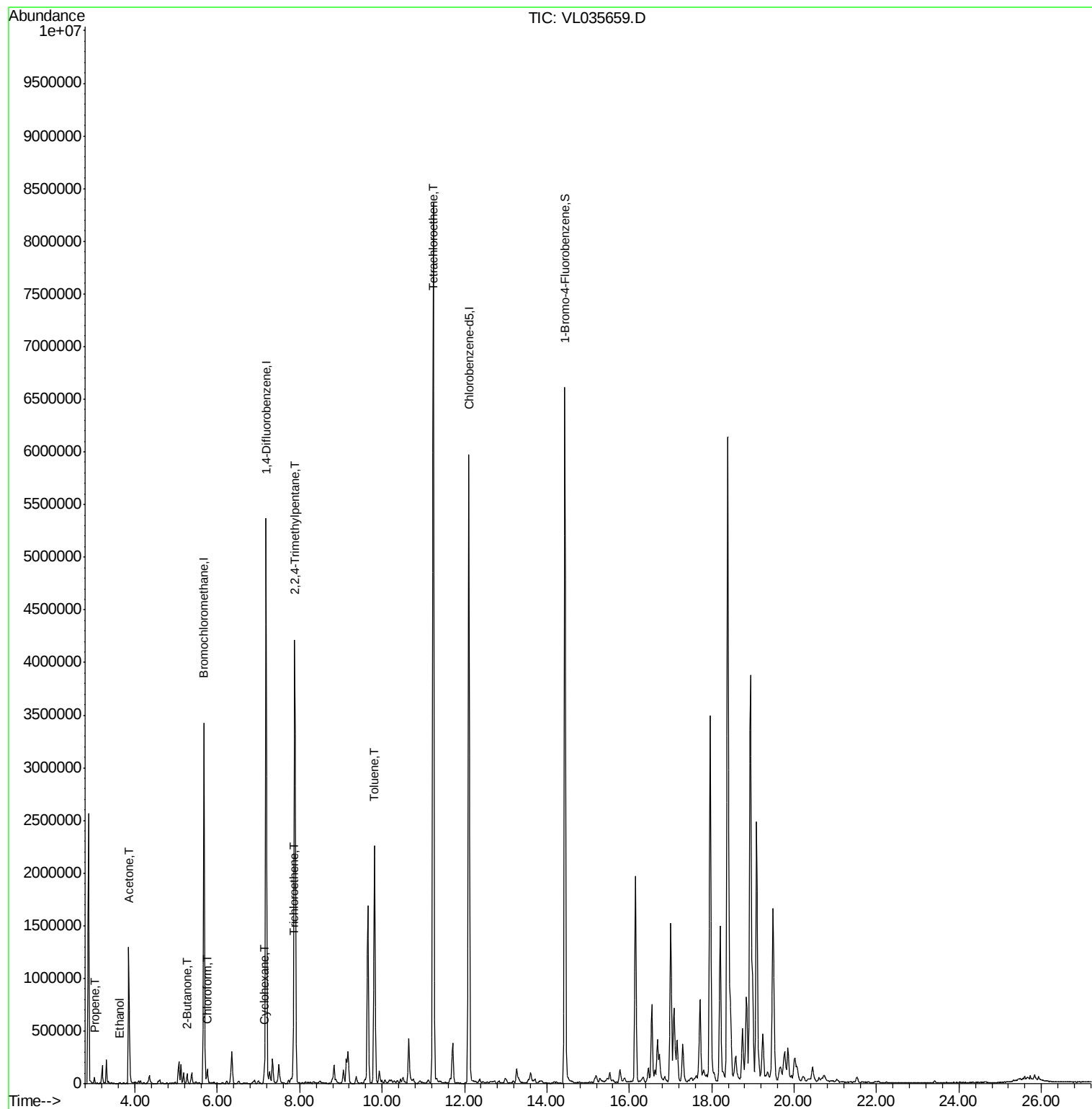
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	19422	0.411	ppbv	91
13) Ethanol	3.63	45	6004	0.512	ppbv	98
15) Acetone	3.85	43	1297368	10.606	ppbv	100
29) Chloroform	5.76	83	84455	0.339	ppbv	95
30) Cyclohexane	7.14	84	37506	0.286	ppbv #	89
34) 2-Butanone	5.27	43	87533	0.662	ppbv	98
38) Trichloroethene	7.84	130	78127	0.466	ppbv	95
44) 2,2,4-Trimethylpentane	7.88	57	4313247	11.365	ppbv	96
52) Tetrachloroethene	11.24	164	2369328	14.061	ppbv	96
53) Toluene	9.82	91	102099	0.281	ppbv	96

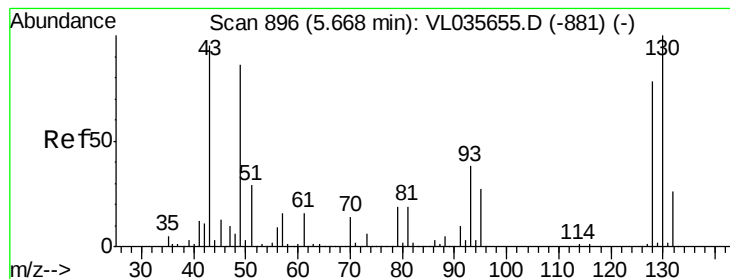
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL091720\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

Lab File: VL035659.D

Acq: 17 Sep 2020 16:49

Instrument :

MSVOA_L

ClientSampleId :

SV-14DL

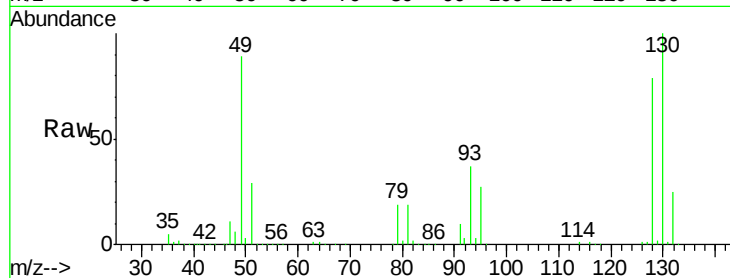
Tot Ion: 49 Resp: 1109094

Ion Ratio Lower Upper

49 100

128 89.3 50.0 150.1

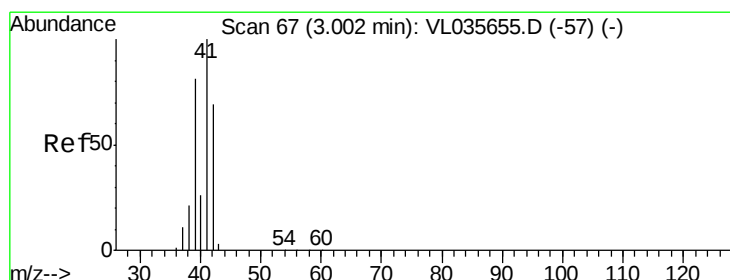
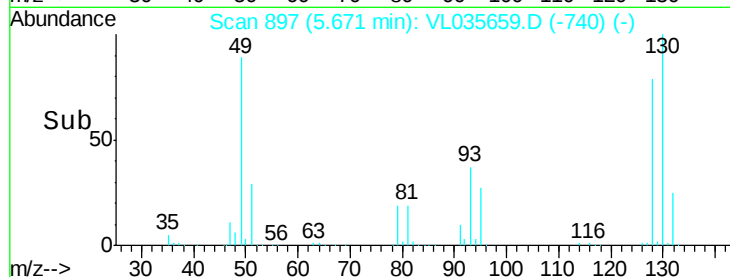
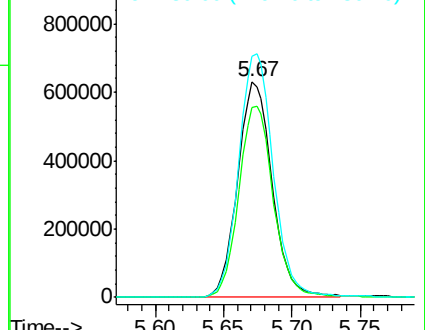
130 114.5 64.4 193.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.411 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.02 min

Lab File: VL035659.D

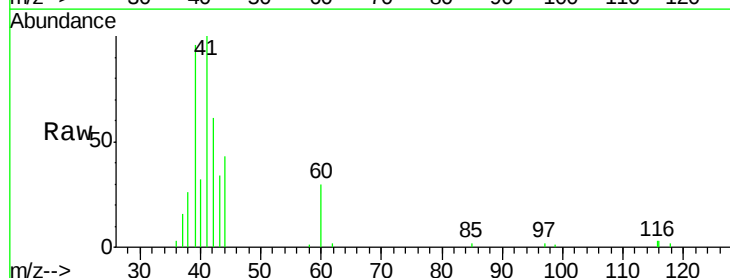
Acq: 17 Sep 2020 16:49

Tgt Ion: 41 Resp: 19422

Ion Ratio Lower Upper

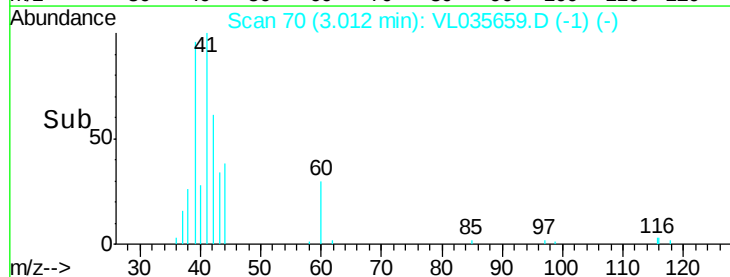
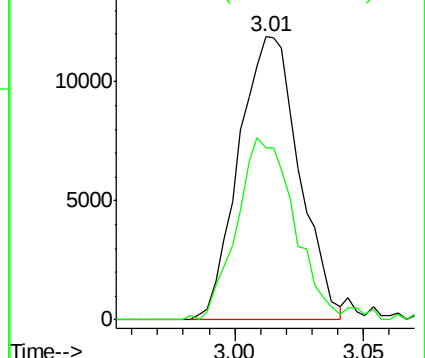
41 100

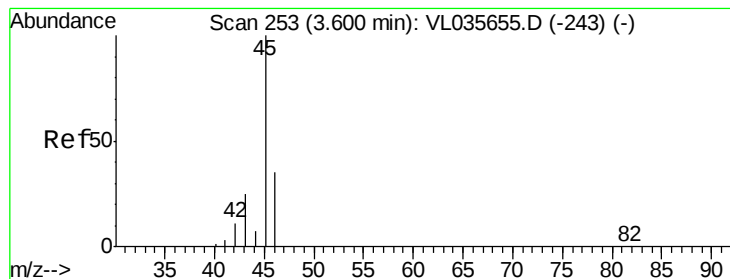
42 63.1 56.3 84.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 0.512 ppbv

RT: 3.63 min Scan# 261

Delta R.T. 0.03 min

Lab File: VL035659.D

Acq: 17 Sep 2020 16:49

Instrument :

MSVOA_L

ClientSampleId :

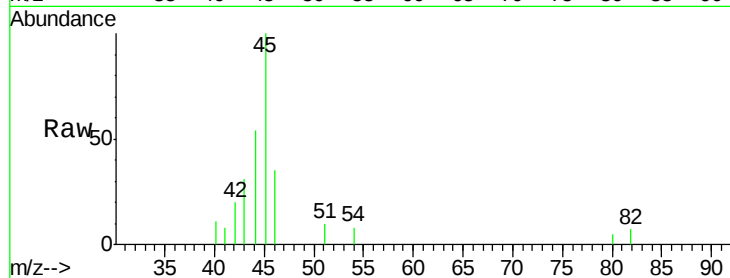
SV-14DL

Tot Ion: 45 Resp: 6004

Ion Ratio Lower Upper

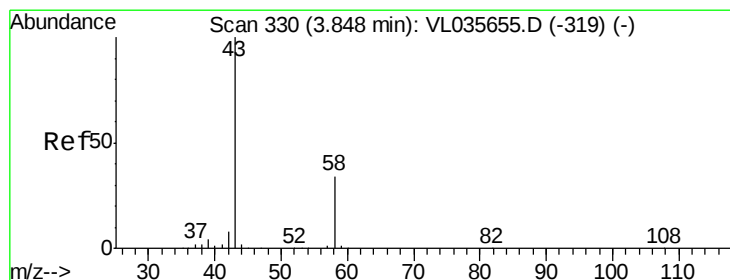
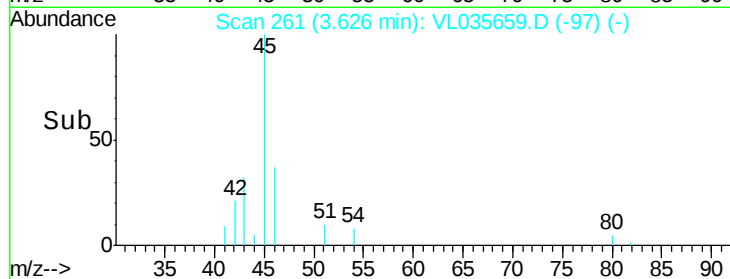
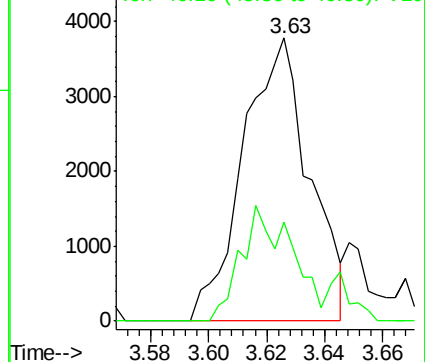
45 100

46 36.7 15.2 60.6



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#15

Acetone

Concen: 10.606 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.01 min

Lab File: VL035659.D

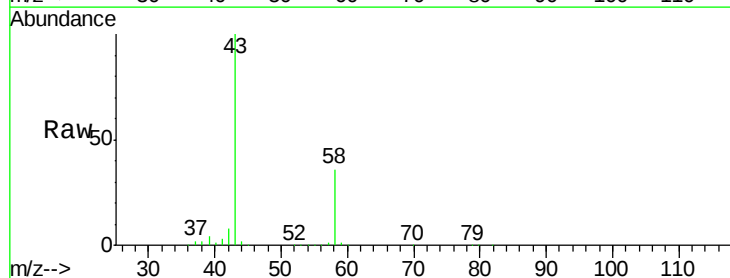
Acq: 17 Sep 2020 16:49

Tgt Ion: 43 Resp: 1297368

Ion Ratio Lower Upper

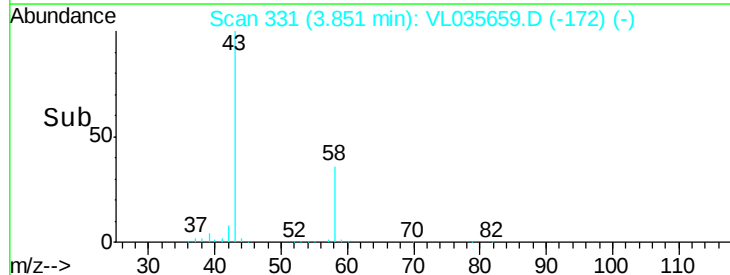
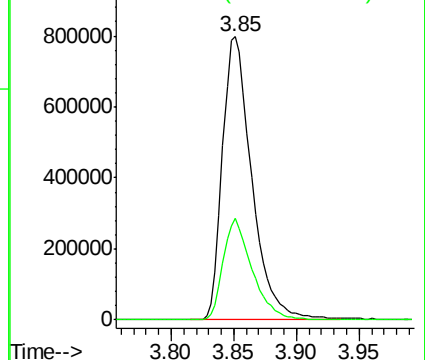
43 100

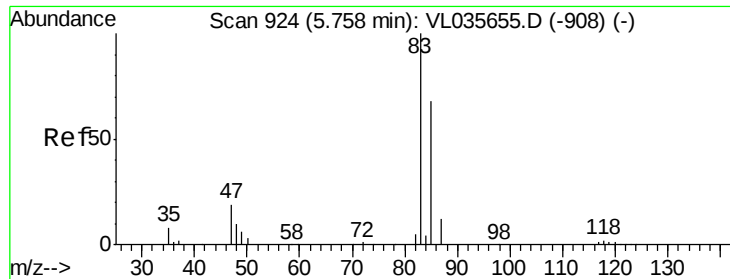
58 35.6 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

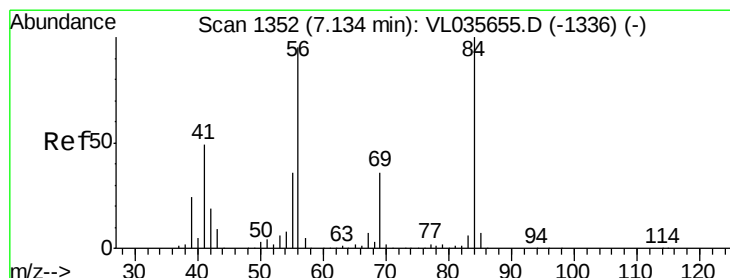
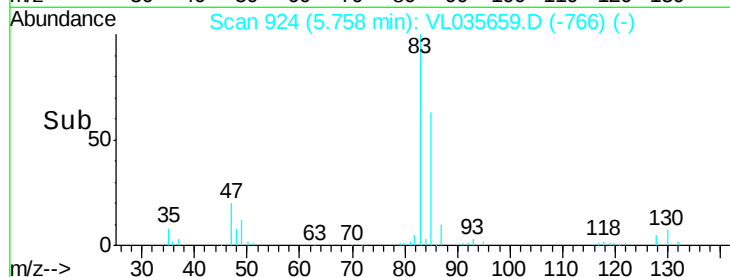
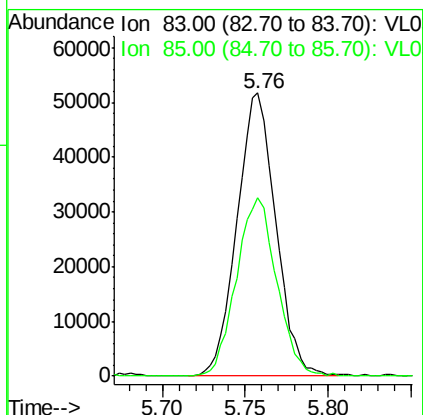
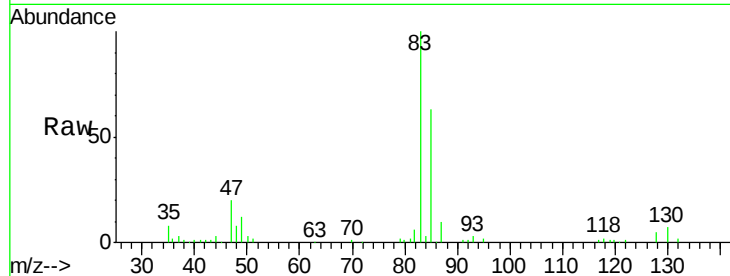




#29
Chloroform
Concen: 0.339 ppbv
RT: 5.76 min Scan# 924
Delta R.T. 0.01 min
Lab File: VL035659.D
Acq: 17 Sep 2020 16:49

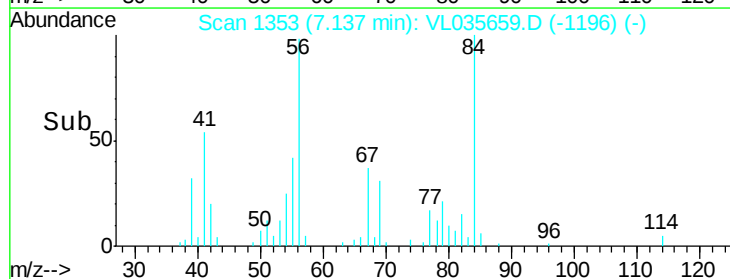
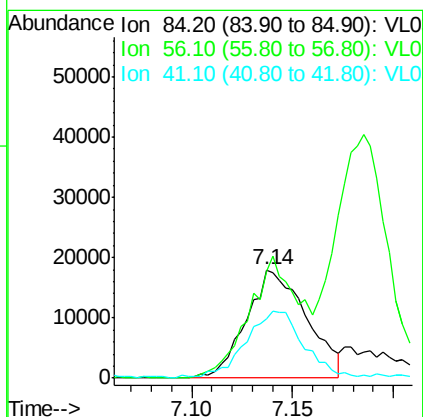
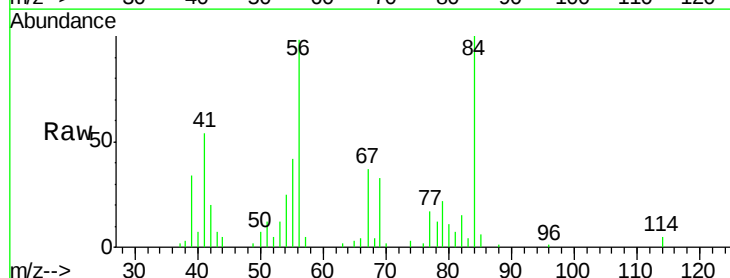
Instrument :
MSVOA_L
ClientSampled :
SV-14DL

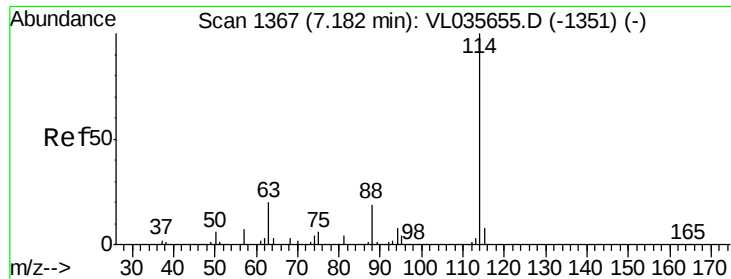
Tot Ion: 83 Resp: 84455
Ion Ratio Lower Upper
83 100
85 63.0 53.9 80.9



#30
Cyclohexane
Concen: 0.286 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. 0.01 min
Lab File: VL035659.D
Acq: 17 Sep 2020 16:49

Tgt Ion: 84 Resp: 37506
Ion Ratio Lower Upper
84 100
56 93.7 80.1 120.1
41 61.8 38.1 57.1#

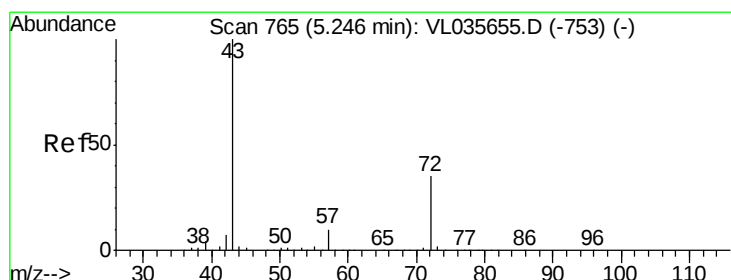
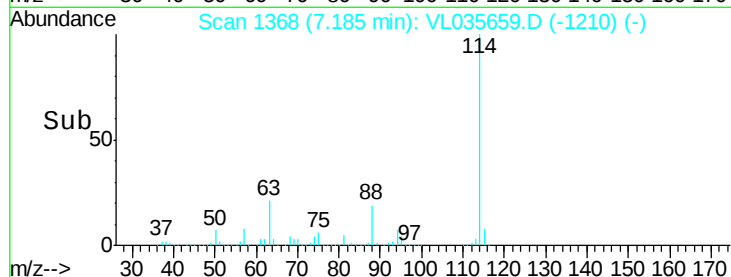
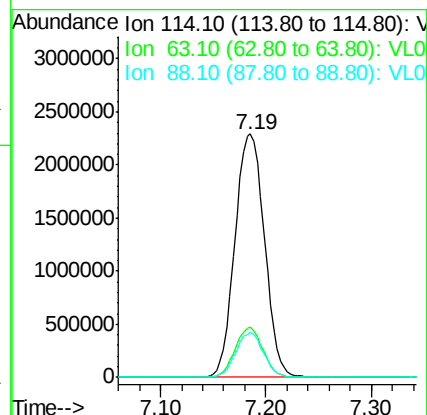
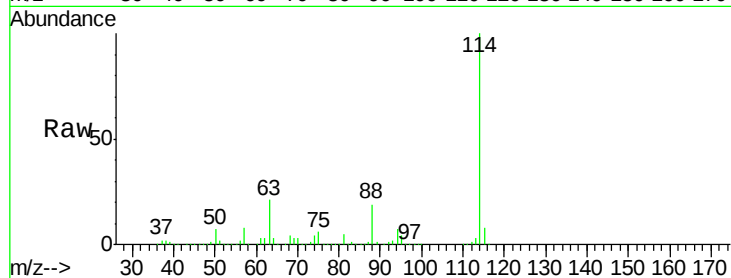




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: VL035659.D
 Acq: 17 Sep 2020 16:49

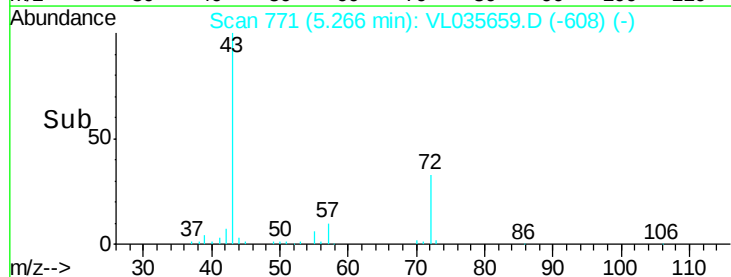
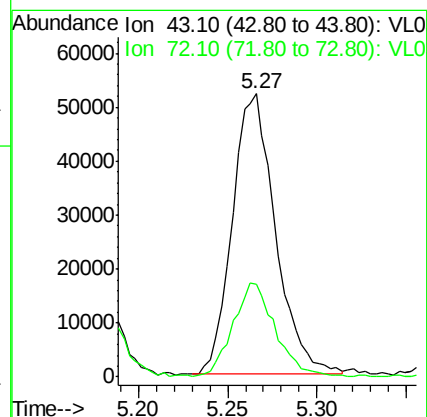
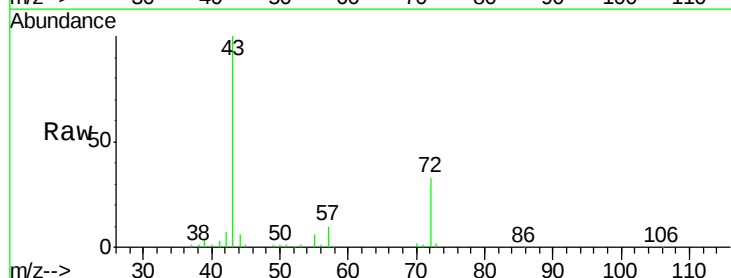
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-14DL

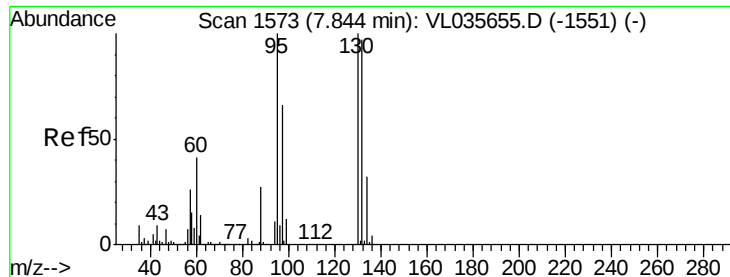
Tot Ion:114 Resp: 4455797
 Ion Ratio Lower Upper
 114 100
 63 19.4 14.7 22.1
 88 17.3 13.4 20.2



#34
 2-Butanone
 Concen: 0.662 ppbv
 RT: 5.27 min Scan# 771
 Delta R.T. 0.03 min
 Lab File: VL035659.D
 Acq: 17 Sep 2020 16:49

Tgt Ion: 43 Resp: 87533
 Ion Ratio Lower Upper
 43 100
 72 33.6 27.7 41.5





#38

Trichloroethene

Concen: 0.466 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VL035659.D

Acq: 17 Sep 2020 16:49

Instrument :

MSVOA_L

ClientSampleId :

SV-14DL

Tot Ion:130 Resp: 78127

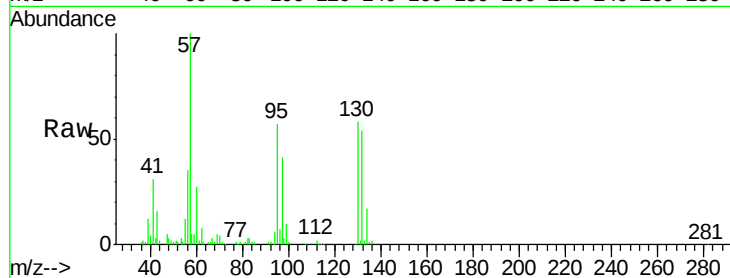
Ion Ratio Lower Upper

130 100

95 96.5 74.6 112.0

132 91.4 77.6 116.4

97 69.5 50.6 76.0

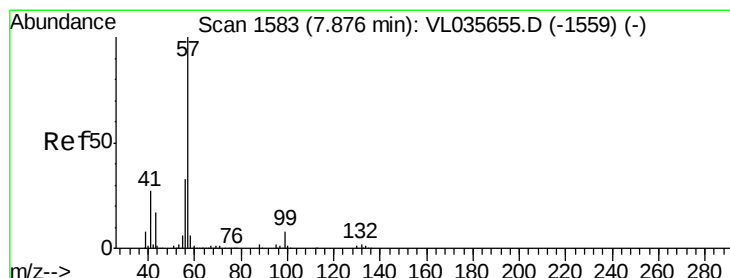
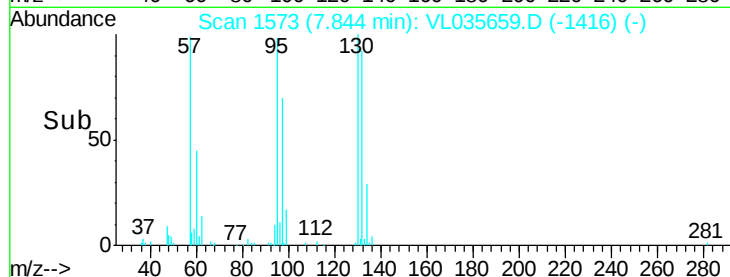
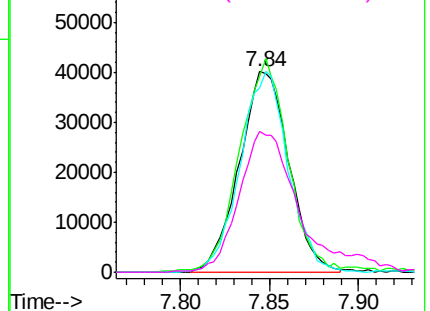


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#44

2,2,4-Trimethylpentane

Concen: 11.365 ppbv

RT: 7.88 min Scan# 1584

Delta R.T. 0.01 min

Lab File: VL035659.D

Acq: 17 Sep 2020 16:49

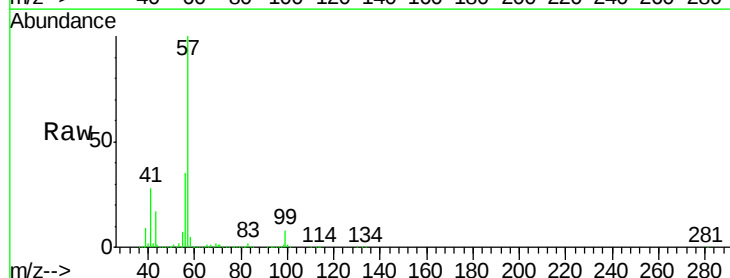
Tgt Ion: 57 Resp: 4313247

Ion Ratio Lower Upper

57 100

41 27.4 20.5 30.7

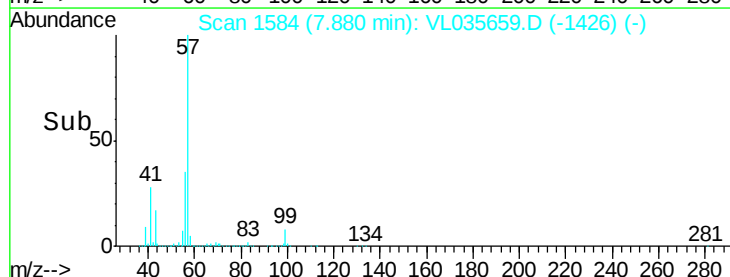
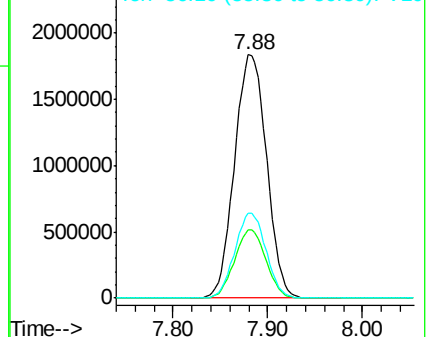
56 34.0 25.3 37.9

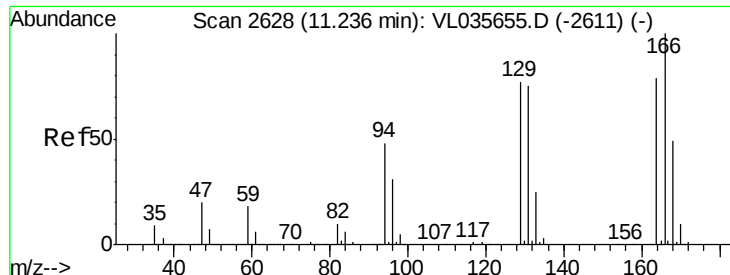


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#52

Tetrachloroethene

Concen: 14.061 ppbv

RT: 11.24 min Scan# 2630

Delta R.T. 0.01 min

Lab File: VL035659.D

Acq: 17 Sep 2020 16:49

Instrument :

MSVOA_L

ClientSampleId :

SV-14DL

Tot Ion:164 Resp: 2369328

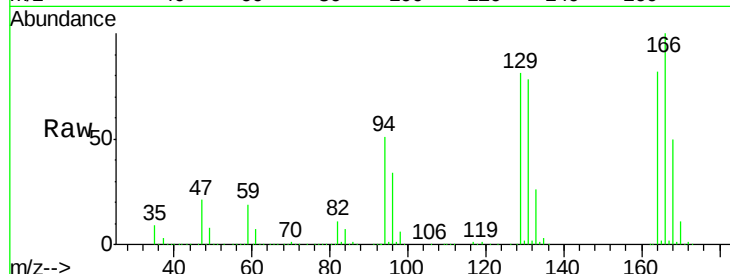
Ion Ratio Lower Upper

164 100

166 122.5 100.9 151.3

129 98.7 75.3 112.9

131 96.0 73.0 109.4

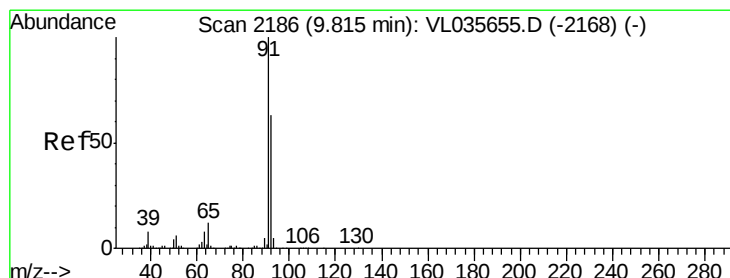
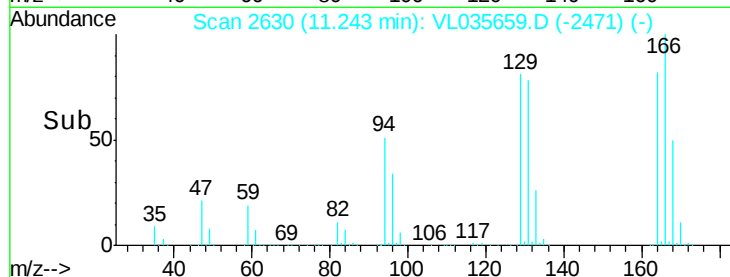
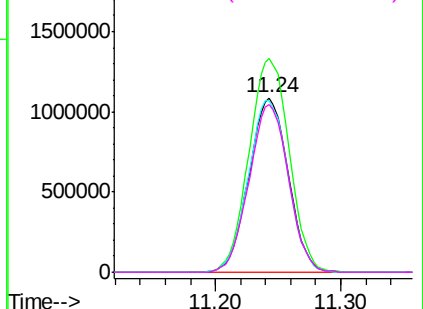


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.281 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. 0.01 min

Lab File: VL035659.D

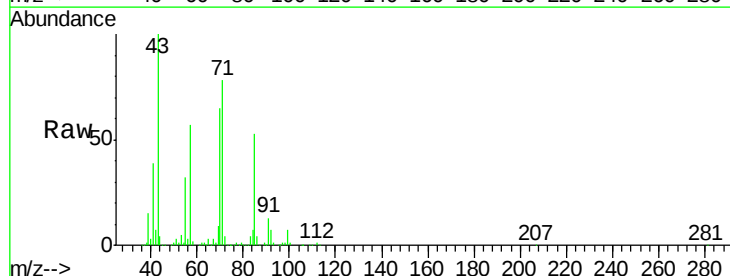
Acq: 17 Sep 2020 16:49

Tgt Ion: 91 Resp: 102099

Ion Ratio Lower Upper

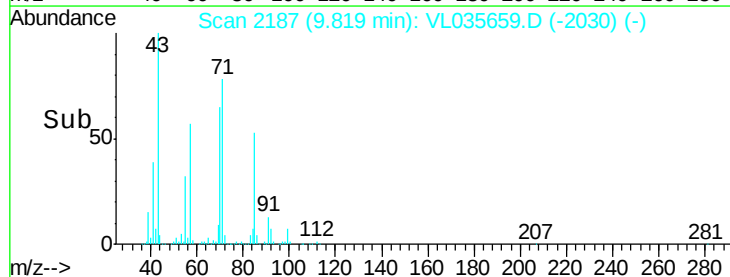
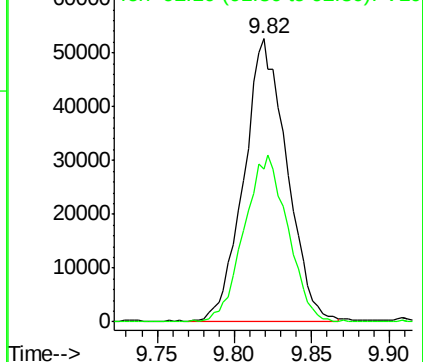
91 100

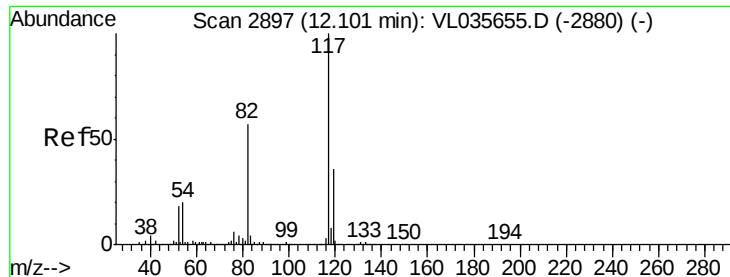
92 59.4 49.8 74.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. 0.01 min

Lab File: VL035659.D

Acq: 17 Sep 2020 16:49

Instrument :

MSVOA_L

ClientSampled :

SV-14DL

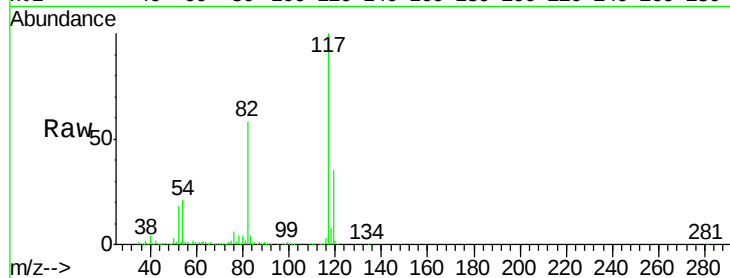
Tot Ion:117 Resp: 4431608

Ion Ratio Lower Upper

117 100

82 57.7 41.6 62.4

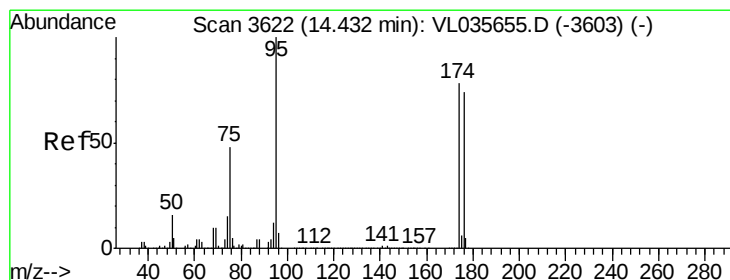
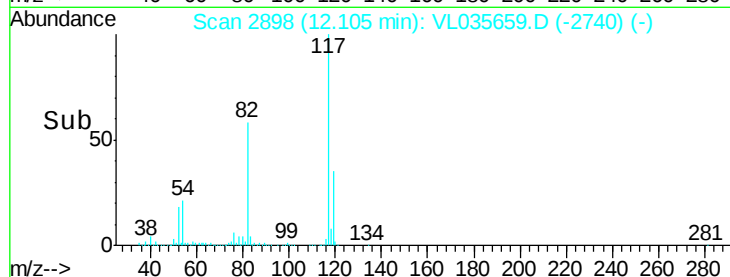
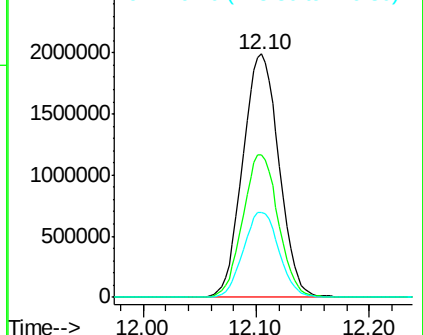
119 34.7 29.3 43.9



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: 10.456 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. 0.01 min

Lab File: VL035659.D

Acq: 17 Sep 2020 16:49

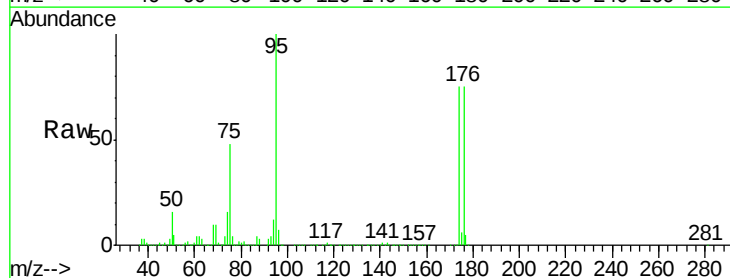
Tgt Ion: 95 Resp: 3290670

Ion Ratio Lower Upper

95 100

174 77.0 69.6 104.4

175 5.6 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

