

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081618\
 Data File : VL032393.D
 Acq On : 17 Aug 2018 1:43
 Operator : SY/AP
 Sample : J4457-11DL 20X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS03-MIVIDL

Quant Time: Aug 20 10:17:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018
 QLast Update : Wed Aug 15 14:58:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.81	49	1806628	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.35	114	3453131	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.31	117	3396131	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.64	95	2589968	10.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

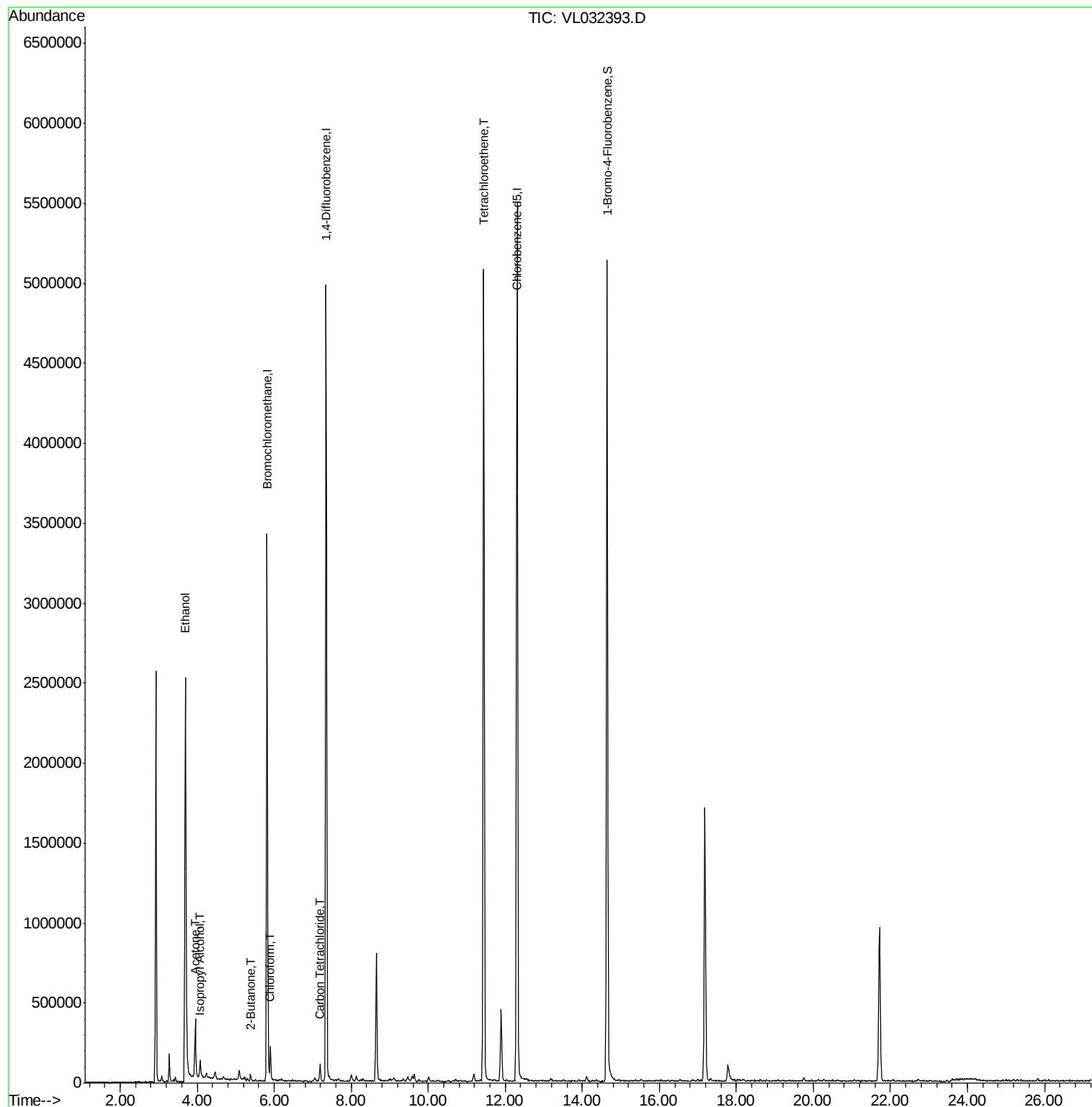
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.69	45	3163721	171.98	ppbv	98
15) Acetone	3.95	43	354010	2.06	ppbv	98
19) Isopropyl Alcohol	4.08	45	118081	1.02	ppbv #	92
29) Chloroform	5.90	83	130776	0.54	ppbv	96
34) 2-Butanone	5.39	43	39756	0.17	ppbv	100
35) Carbon Tetrachloride	7.19	117	60224	0.30	ppbv	89
52) Tetrachloroethene	11.44	164	1210166	14.02	ppbv	98

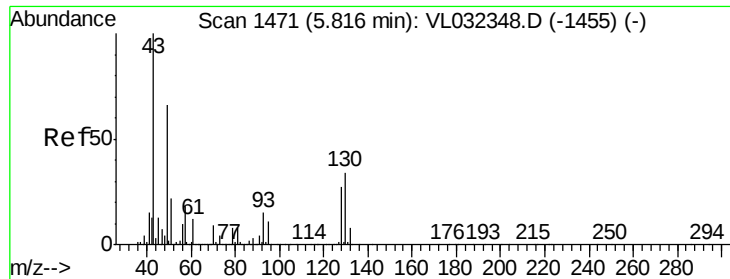
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.81 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VL032393.D

Acq: 17 Aug 2018 1:43

Instrument :

MSVOA_L

ClientSampleId :

SS03-MIVIDL

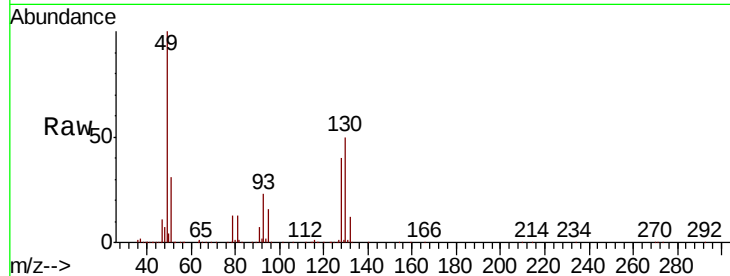
Tot Ion: 49 Resp: 1806628

Ion Ratio Lower Upper

49 100

128 40.5 20.5 61.6

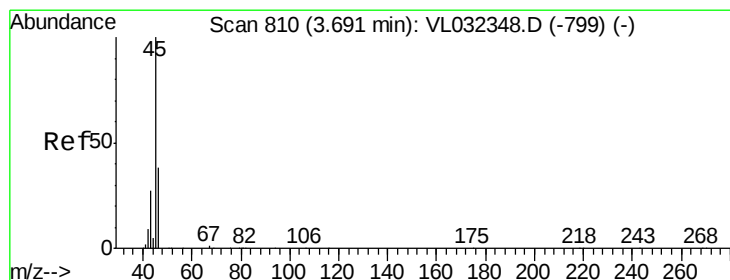
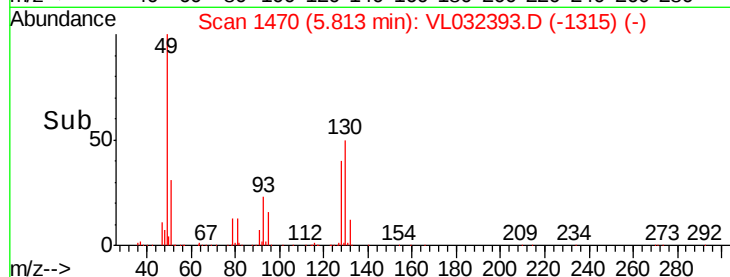
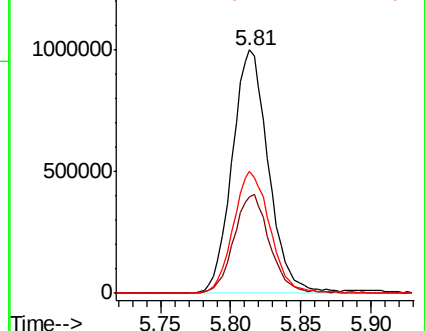
130 51.5 26.2 78.5



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



#13

Ethanol

Concen: 171.98 ppbv

RT: 3.69 min Scan# 811

Delta R.T. 0.00 min

Lab File: VL032393.D

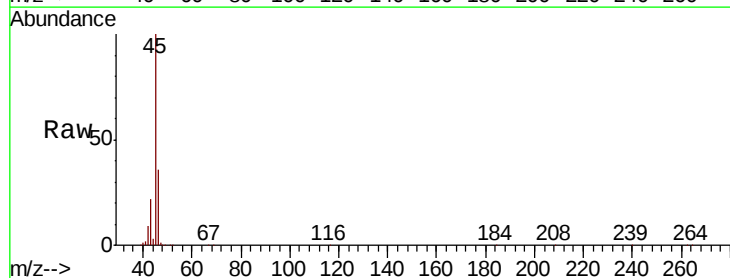
Acq: 17 Aug 2018 1:43

Tgt Ion: 45 Resp: 3163721

Ion Ratio Lower Upper

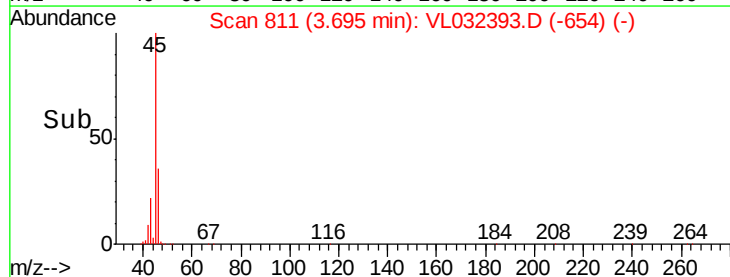
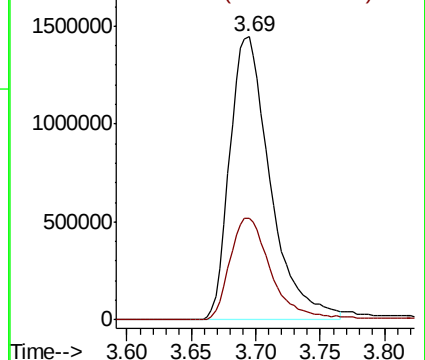
45 100

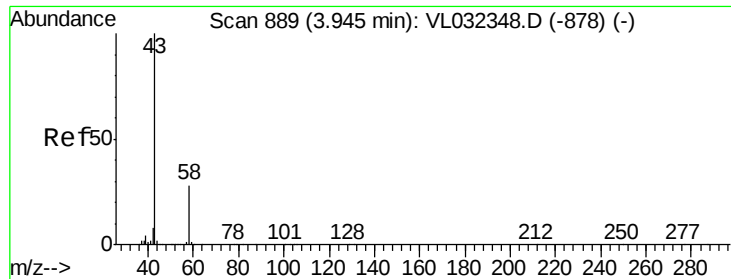
46 37.9 15.6 62.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 2.06 ppbv

RT: 3.95 min Scan# 891

Delta R.T. 0.01 min

Lab File: VL032393.D

Acq: 17 Aug 2018 1:43

Instrument :

MSVOA_L

ClientSampleId :

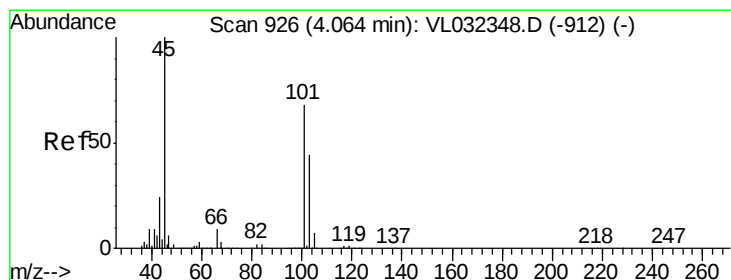
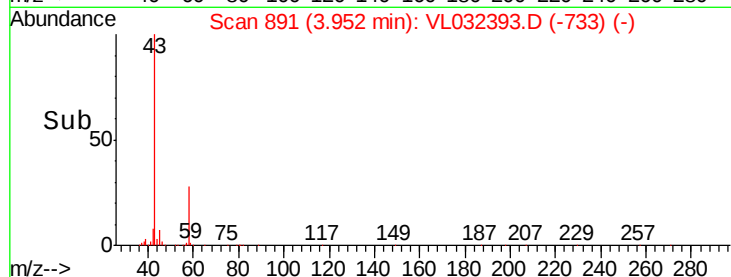
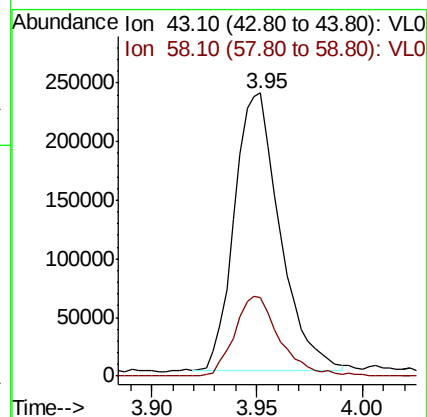
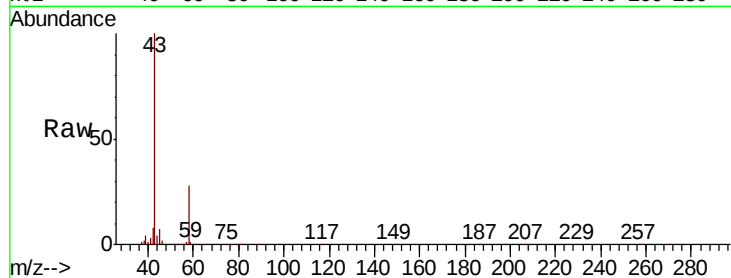
SS03-MIVIDL

Tot Ion: 43 Resp: 354010

Ion Ratio Lower Upper

43 100

58 28.9 22.4 33.6



#19

Isopropyl Alcohol

Concen: 1.02 ppbv

RT: 4.08 min Scan# 930

Delta R.T. 0.01 min

Lab File: VL032393.D

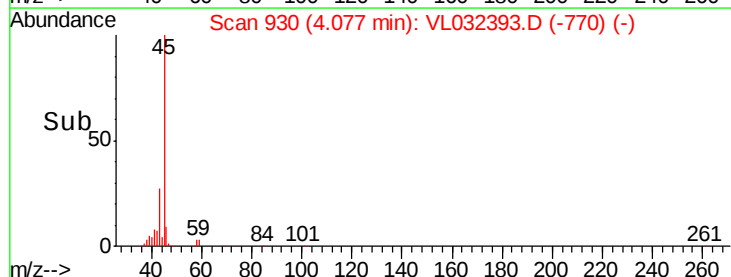
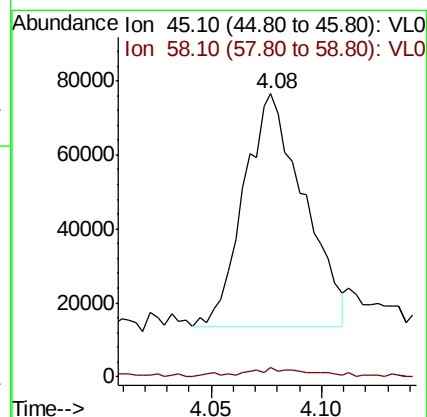
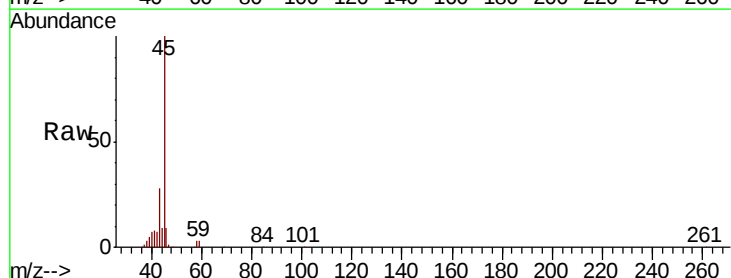
Acq: 17 Aug 2018 1:43

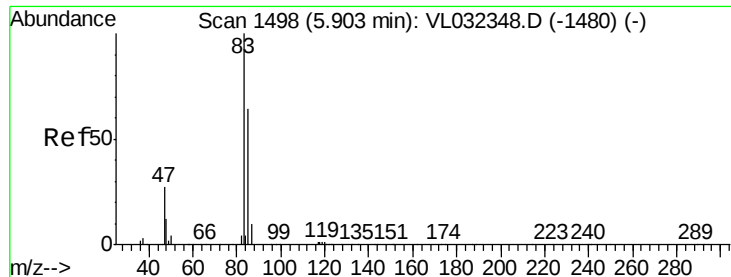
Tgt Ion: 45 Resp: 118081

Ion Ratio Lower Upper

45 100

58 4.7 1.4 2.0#





#29

Chloroform

Concen: 0.54 ppbv

RT: 5.90 min Scan# 1496

Delta R.T. -0.01 min

Lab File: VL032393.D

Acq: 17 Aug 2018 1:43

Instrument :

MSVOA_L

ClientSampleId :

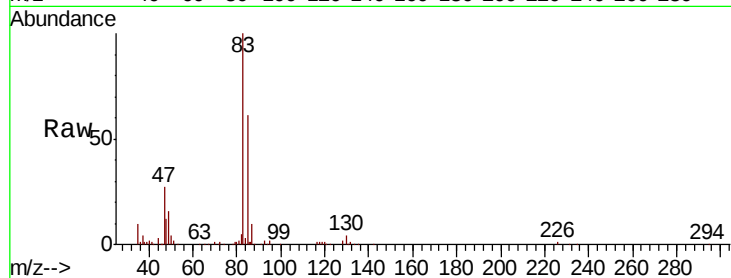
SS03-MIVIDL

Tot Ion: 83 Resp: 130776

Ion Ratio Lower Upper

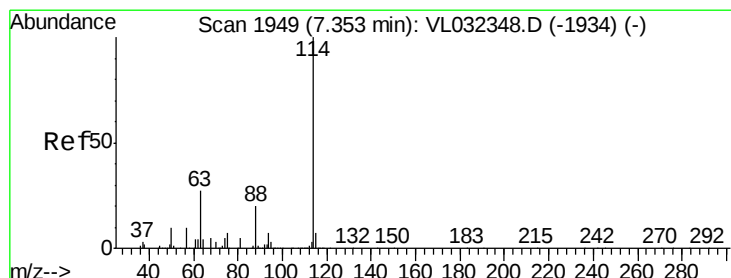
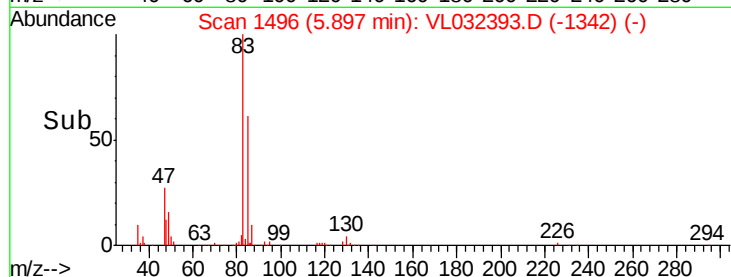
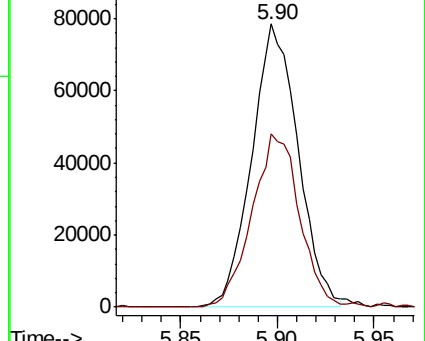
83 100

85 61.6 51.6 77.4



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.35 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VL032393.D

Acq: 17 Aug 2018 1:43

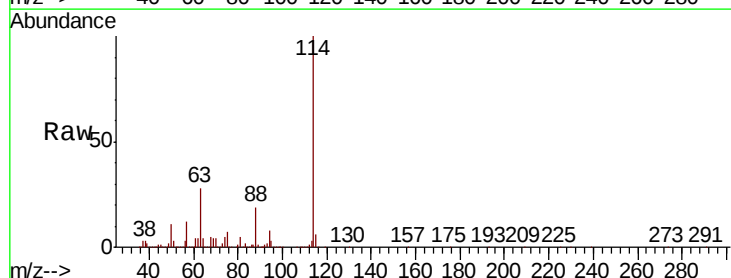
Tgt Ion: 114 Resp: 3453131

Ion Ratio Lower Upper

114 100

63 28.4 22.0 33.0

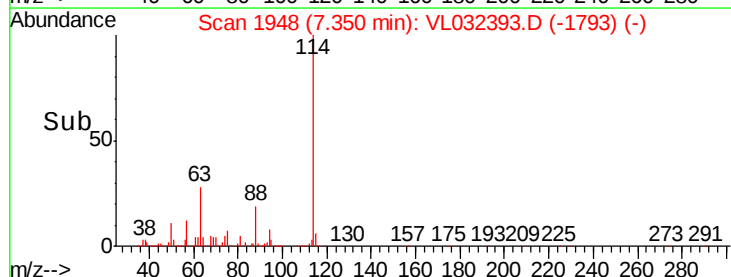
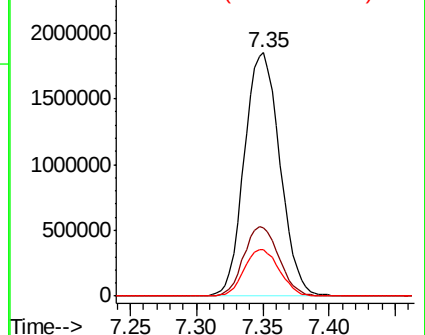
88 19.1 15.3 22.9

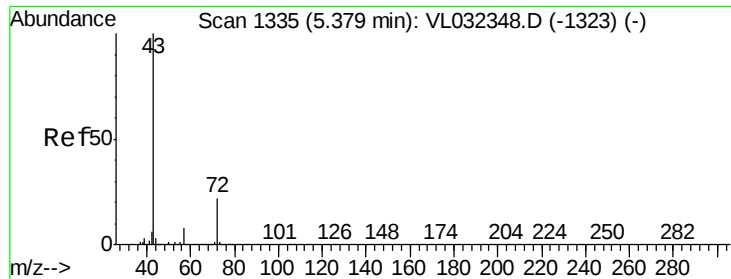


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

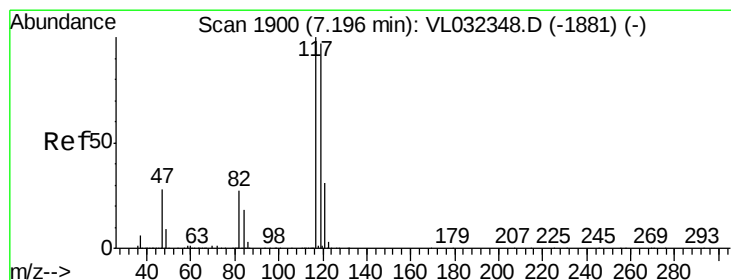
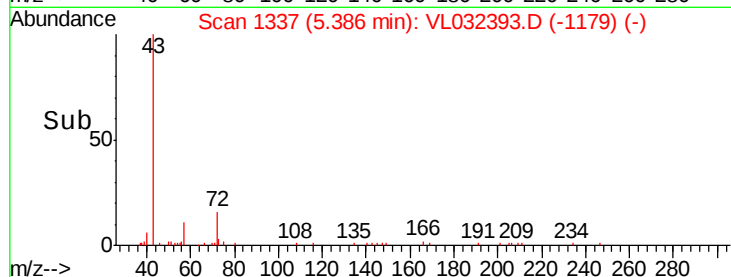
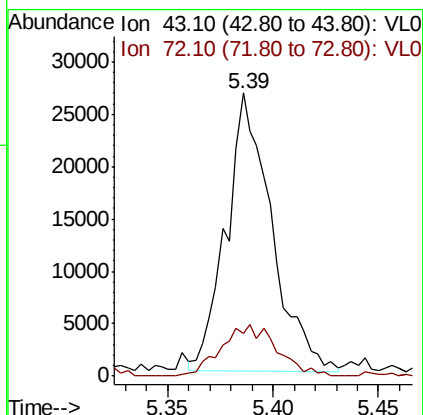
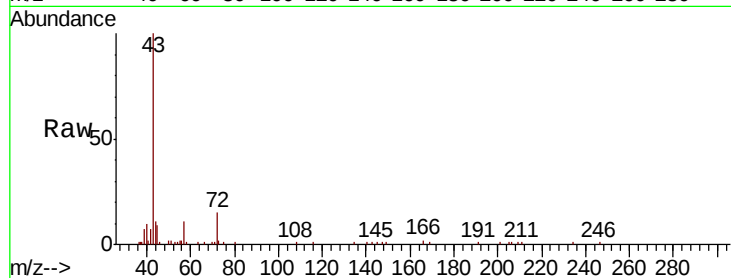




#34
2-Butanone
Concen: 0.17 ppbv
RT: 5.39 min Scan# 1337
Delta R.T. 0.01 min
Lab File: VL032393.D
Acq: 17 Aug 2018 1:43

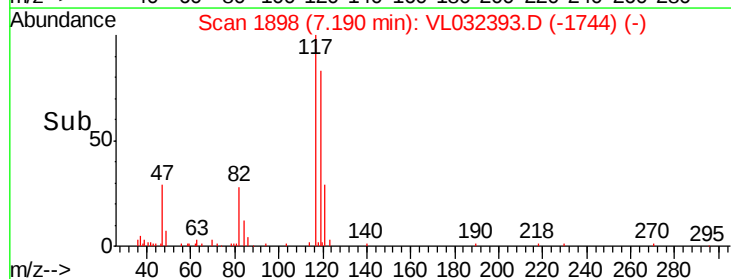
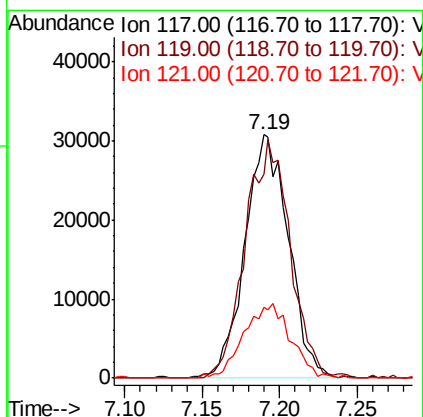
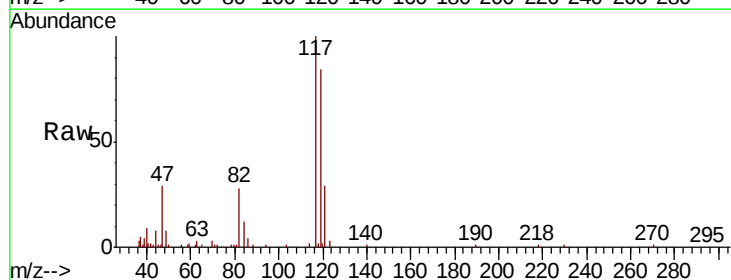
Instrument :
MSVOA_L
ClientSampleId :
SS03-MIVIDL

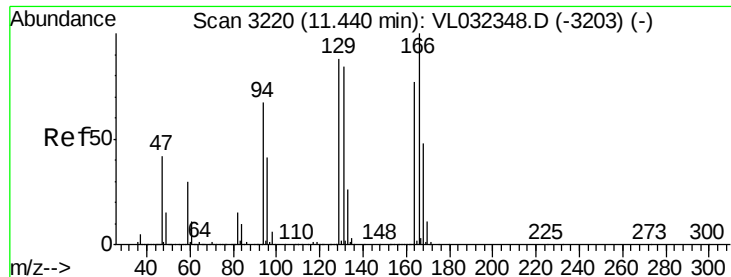
Tot Ion: 43 Resp: 39756
Ion Ratio Lower Upper
43 100
72 22.5 17.9 26.9



#35
Carbon Tetrachloride
Concen: 0.30 ppbv
RT: 7.19 min Scan# 1898
Delta R.T. -0.01 min
Lab File: VL032393.D
Acq: 17 Aug 2018 1:43

Tgt Ion: 117 Resp: 60224
Ion Ratio Lower Upper
117 100
119 83.5 77.2 115.8
121 29.1 25.1 37.7





#52

Tetrachloroethene

Concen: 14.02 ppbv

RT: 11.44 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VL032393.D

Acq: 17 Aug 2018 1:43

Instrument :

MSVOA_L

ClientSampleId :

SS03-MIVIDL

Tot Ion:164 Resp: 1210166

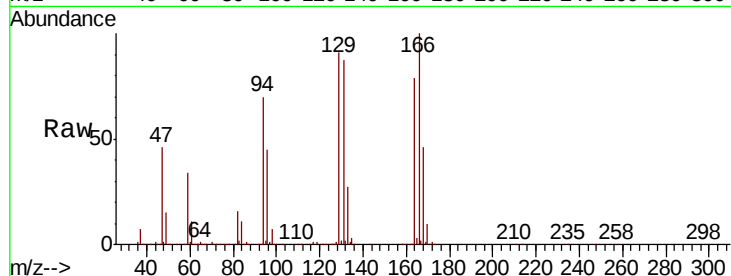
Ion Ratio Lower Upper

164 100

166 126.7 103.5 155.3

129 115.1 90.9 136.3

131 110.2 86.7 130.1

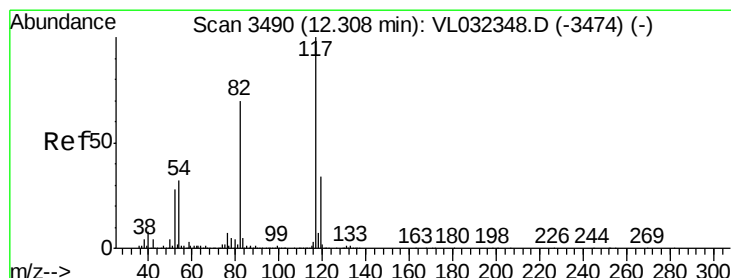
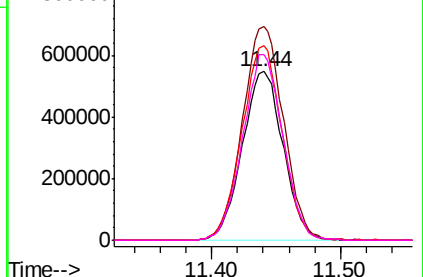
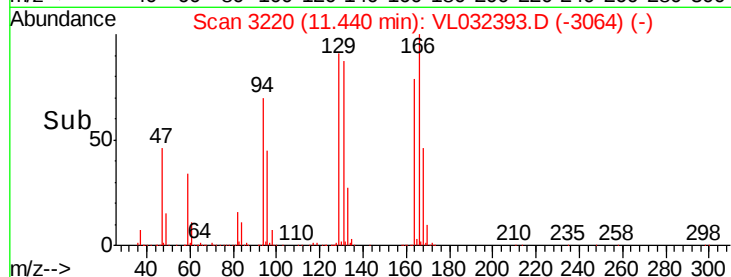


Abundance Ion 163.90 (163.60 to 164.60): V

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



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.31 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VL032393.D

Acq: 17 Aug 2018 1:43

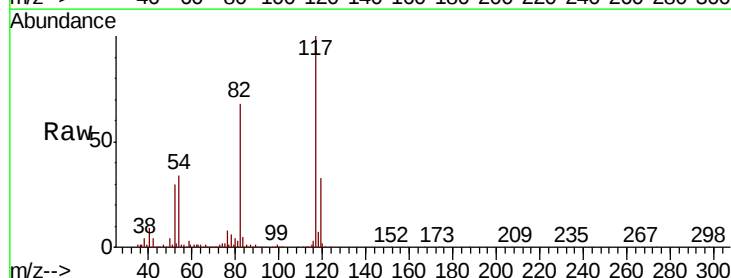
Tgt Ion:117 Resp: 3396131

Ion Ratio Lower Upper

117 100

82 68.9 55.1 82.7

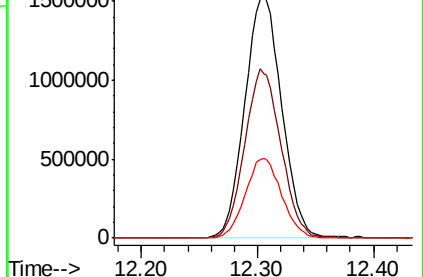
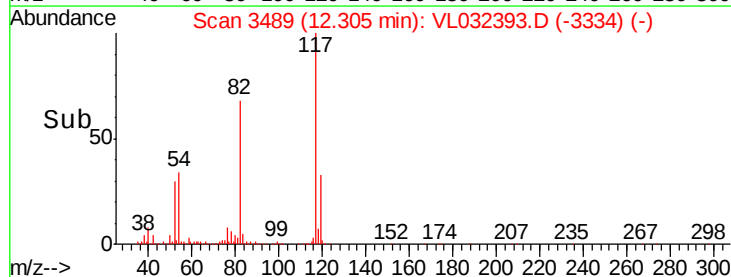
119 32.8 46.0 69.0#

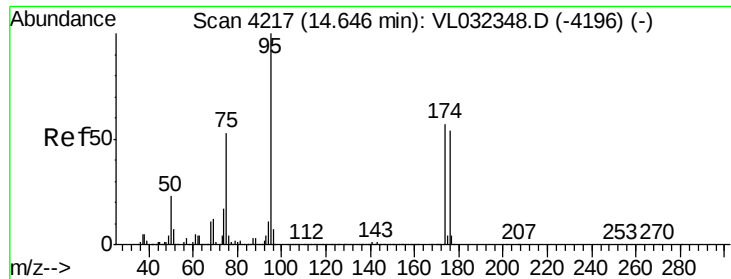


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V

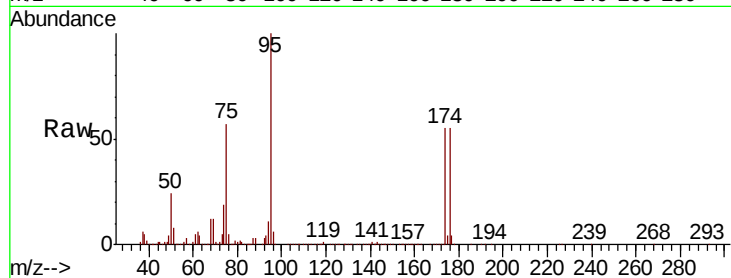




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.00 ppbv
 RT: 14.64 min Scan# 4216
 Delta R.T. -0.00 min
 Lab File: VL032393.D
 Acq: 17 Aug 2018 1:43

Instrument :
 MSVOA_L
 ClientSampleId :
 SS03-MIVIDL

Tot Ion: 95 Resp: 2589968
 Ion Ratio Lower Upper
 95 100
 174 56.8 46.2 69.4
 175 4.1 3.4 5.0



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

