

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032119\
 Data File : VL033430.D
 Acq On : 22 Mar 2019 12:26
 Operator : SY/AP
 Sample : K1975-04DL2 80X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL2

Quant Time: Mar 23 03:25:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019
 QLast Update : Fri Mar 15 14:52:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	724381	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1845854	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	1812854	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1438962	10.71	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.10%

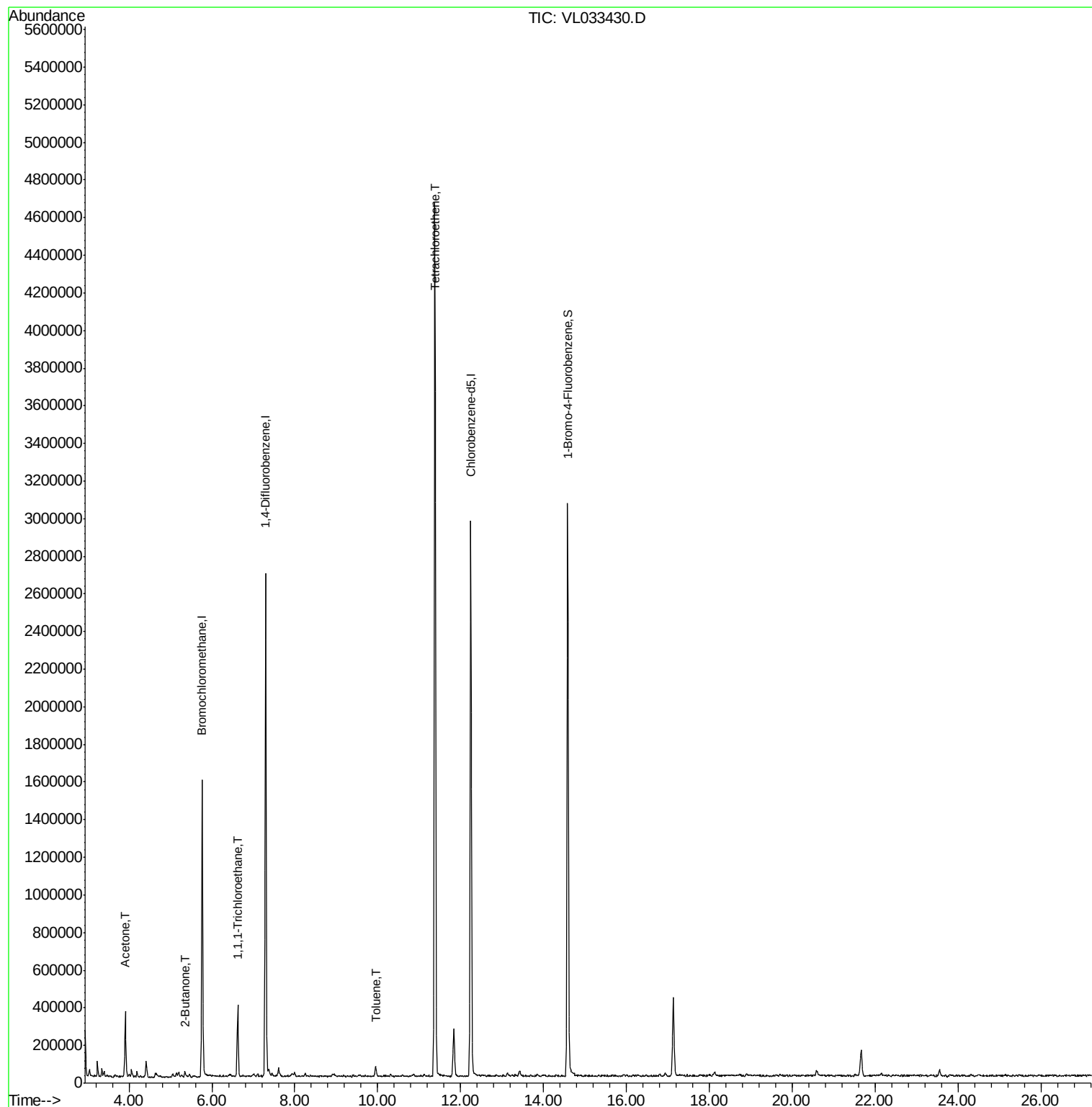
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.91	43	357277	3.173	ppbv	100
32) 1,1,1-Trichloroethane	6.62	97	230348	1.958	ppbv	98
34) 2-Butanone	5.35	43	29396	0.242	ppbv	94
52) Tetrachloroethene	11.38	164	1159702	16.851	ppbv	98
53) Toluene	9.95	91	37687	0.201	ppbv	97

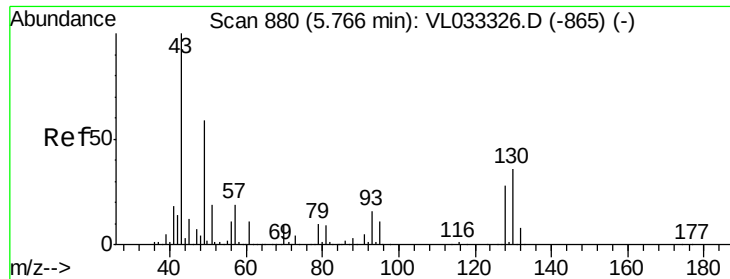
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032119\
Data File : VL033430.D
Acq On : 22 Mar 2019 12:26
Operator : SY/AP
Sample : K1975-04DL2 80X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV2DL2

Quant Time: Mar 23 03:25:25 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.00 min

Lab File: VL033430.D

Acq: 22 Mar 2019 12:26

Instrument :

MSVOA_L

ClientSampleId :

SV2DL2

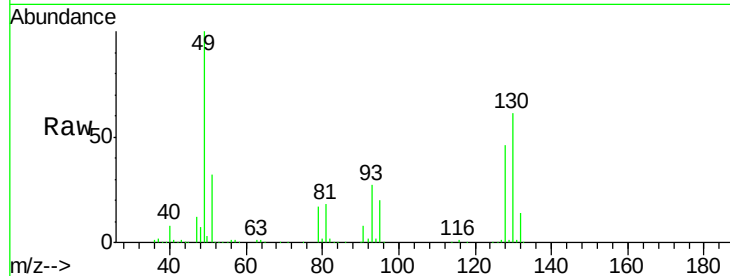
Tot Ion: 49 Resp: 724381

Ion Ratio Lower Upper

49 100

128 48.1 23.5 70.6

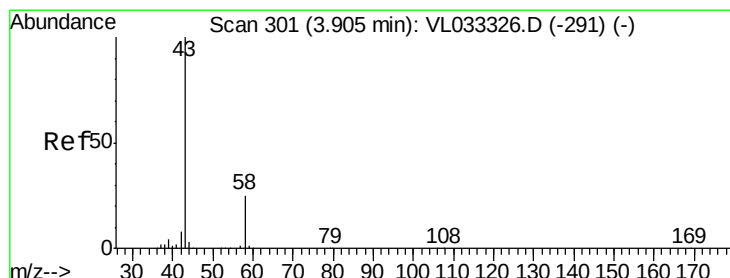
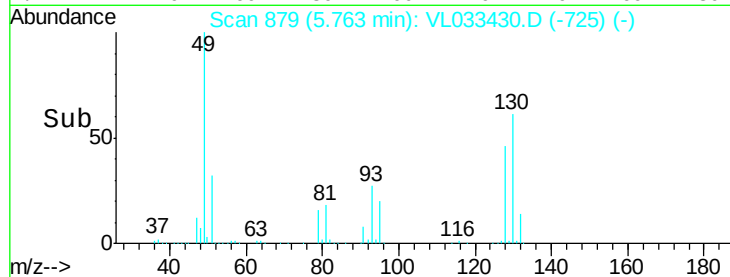
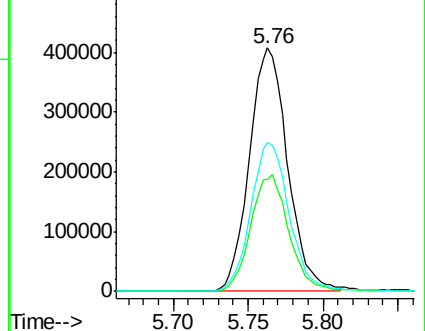
130 62.1 30.1 90.3



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



#15

Acetone

Concen: 3.173 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.00 min

Lab File: VL033430.D

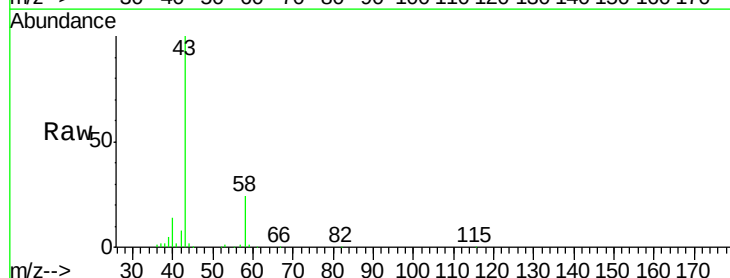
Acq: 22 Mar 2019 12:26

Tgt Ion: 43 Resp: 357277

Ion Ratio Lower Upper

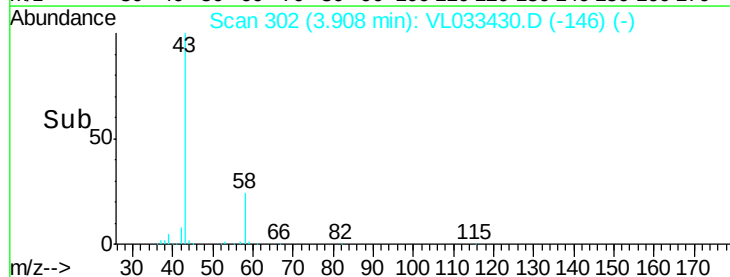
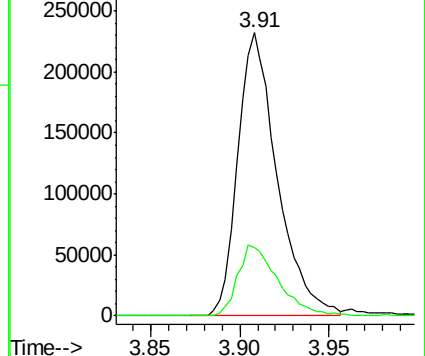
43 100

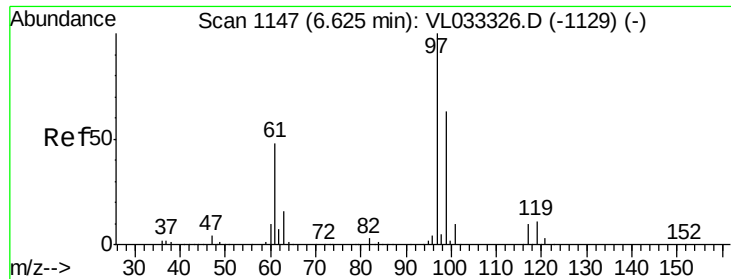
58 25.6 20.4 30.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#32

1,1,1-Trichloroethane

Concen: 1.958 ppbv

RT: 6.62 min Scan# 1145

Delta R.T. -0.01 min

Lab File: VL033430.D

Acq: 22 Mar 2019 12:26

Instrument :

MSVOA_L

ClientSampleId :

SV2DL2

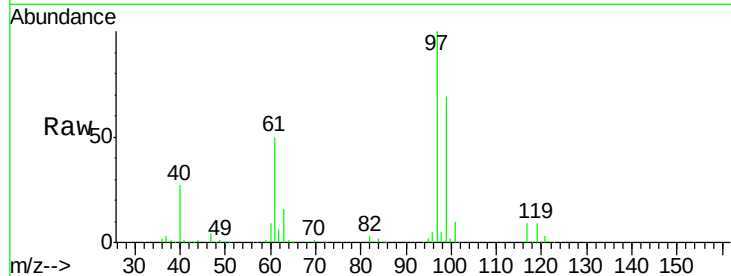
Tot Ion: 97 Resp: 230348

Ion Ratio Lower Upper

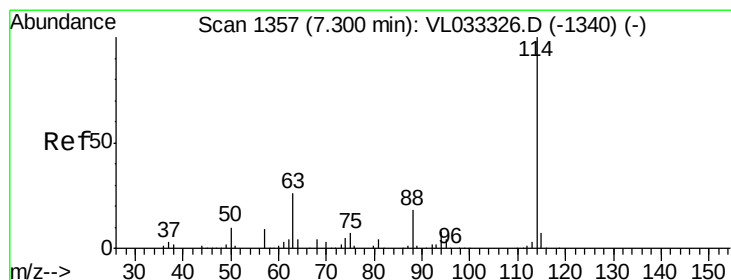
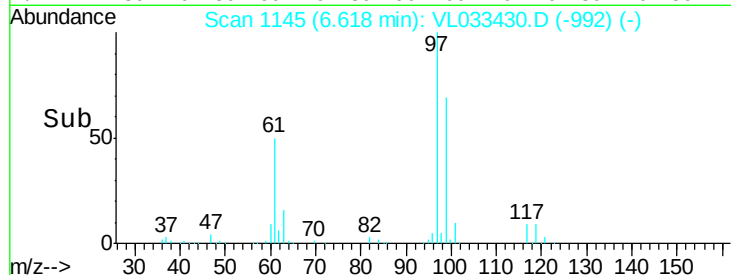
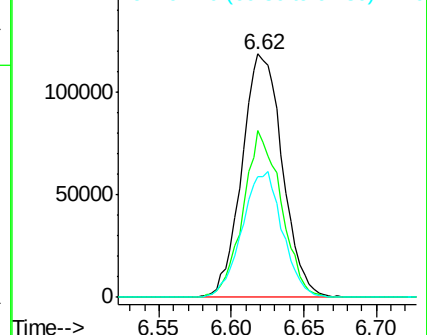
97 100

99 64.4 51.0 76.6

61 51.4 39.3 58.9



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.01 min

Lab File: VL033430.D

Acq: 22 Mar 2019 12:26

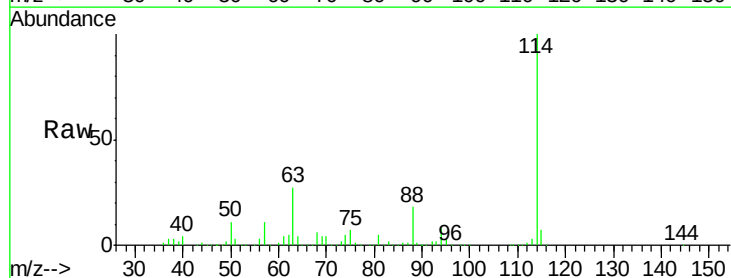
Tgt Ion: 114 Resp: 1845854

Ion Ratio Lower Upper

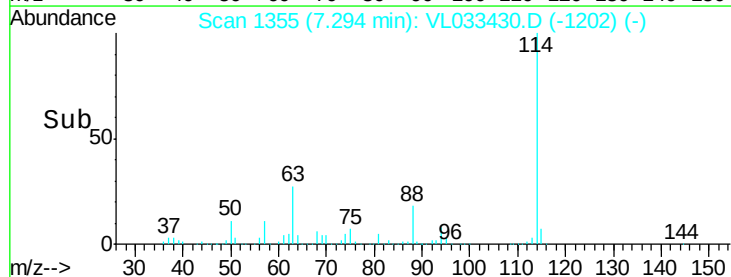
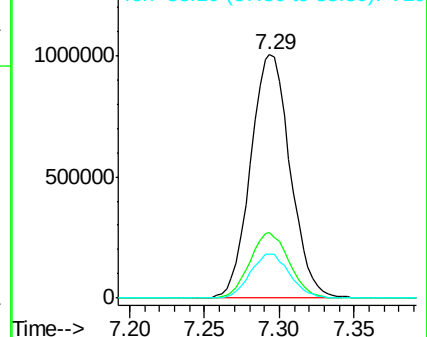
114 100

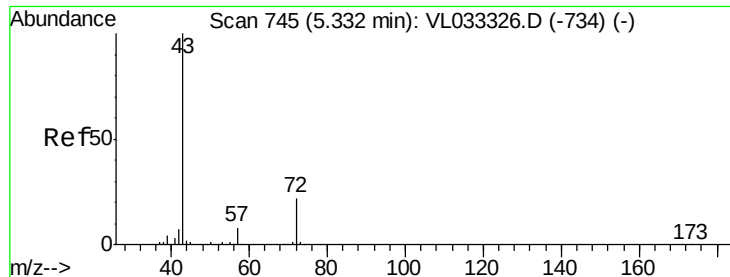
63 27.1 21.4 32.2

88 18.1 14.5 21.7



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: 0.242 ppbv

RT: 5.35 min Scan# 751

Delta R.T. 0.02 min

Lab File: VL033430.D

Acq: 22 Mar 2019 12:26

Instrument :

MSVOA_L

ClientSampleId :

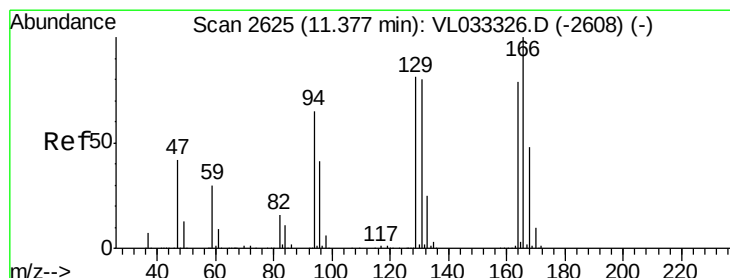
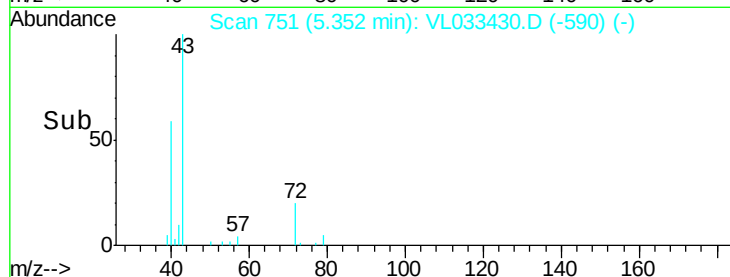
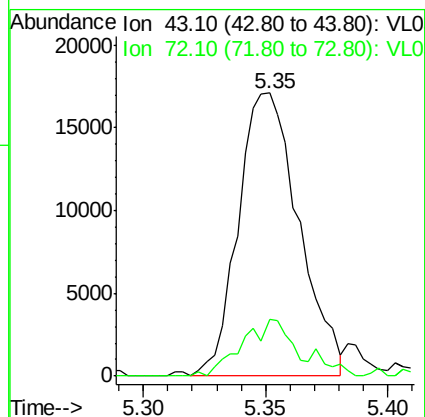
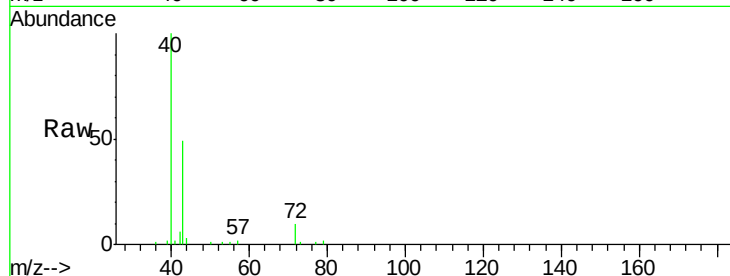
SV2DL2

Tot Ion: 43 Resp: 29396

Ion Ratio Lower Upper

43 100

72 19.1 17.7 26.5



#52

Tetrachloroethene

Concen: 16.851 ppbv

RT: 11.38 min Scan# 2625

Delta R.T. -0.00 min

Lab File: VL033430.D

Acq: 22 Mar 2019 12:26

Tgt Ion:164 Resp: 1159702

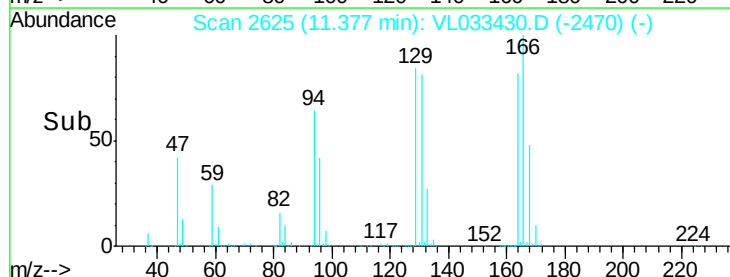
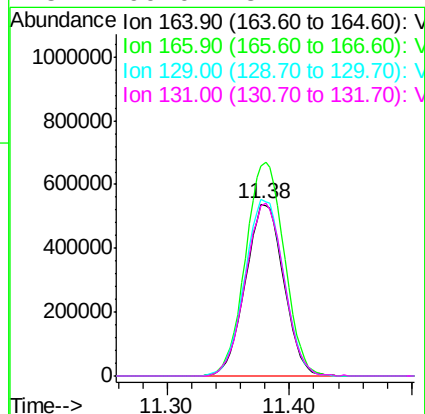
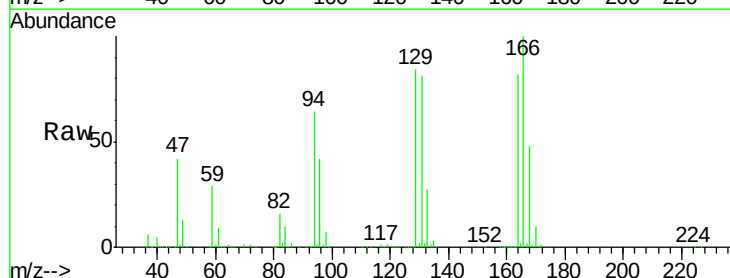
Ion Ratio Lower Upper

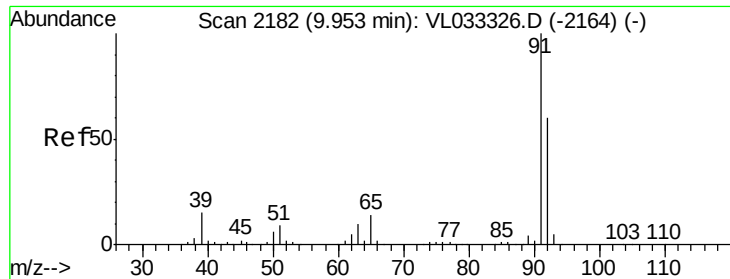
164 100

166 122.7 101.5 152.3

129 102.7 82.2 123.2

131 99.0 81.1 121.7





#53

Toluene

Concen: 0.201 ppbv

RT: 9.95 min Scan# 2182

Delta R.T. -0.00 min

Lab File: VL033430.D

Acq: 22 Mar 2019 12:26

Instrument :

MSVOA_L

ClientSampleId :

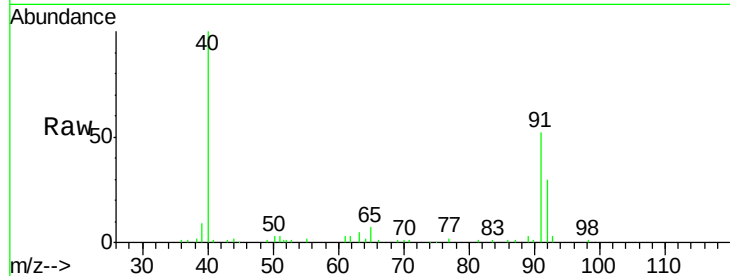
SV2DL2

Tot Ion: 91 Resp: 37687

Ion Ratio Lower Upper

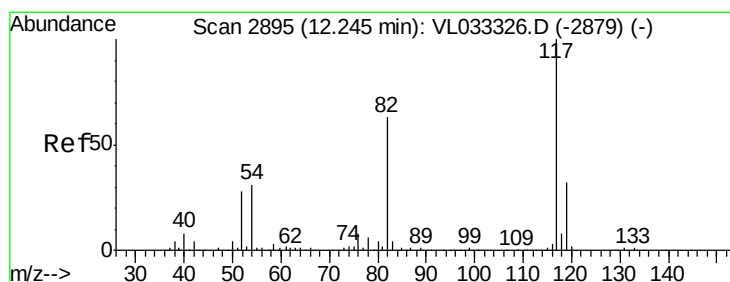
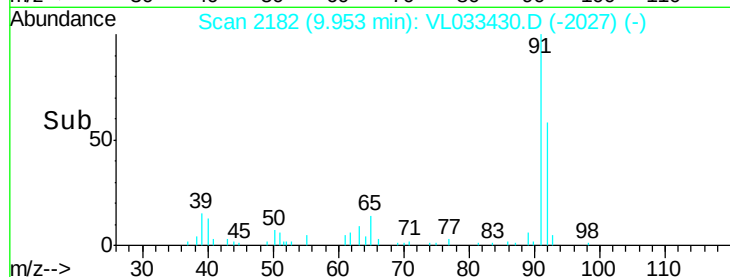
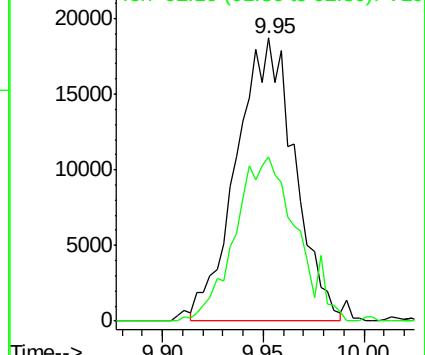
91 100

92 61.3 47.4 71.0



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: 12.25 min Scan# 2895

Delta R.T. -0.00 min

Lab File: VL033430.D

Acq: 22 Mar 2019 12:26

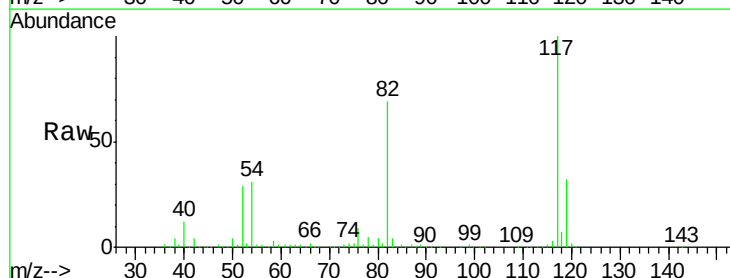
Tgt Ion: 117 Resp: 1812854

Ion Ratio Lower Upper

117 100

82 67.7 53.4 80.2

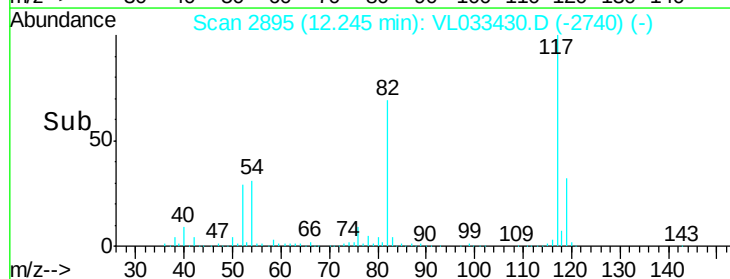
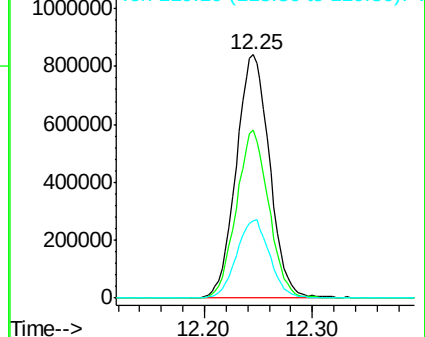
119 32.1 27.3 40.9

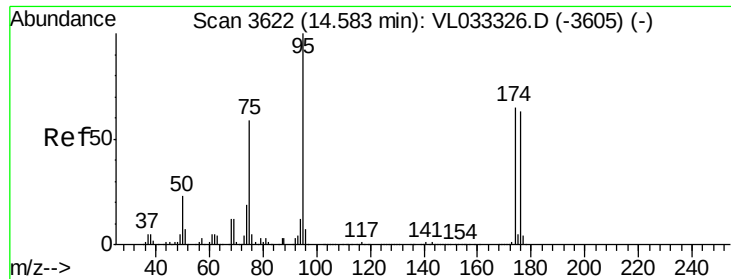


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.712 ppbv

RT: 14.58 min Scan# 3622

Delta R.T. -0.00 min

Lab File: VL033430.D

Acq: 22 Mar 2019 12:26

Instrument :

MSVOA_L

ClientSampleId :

SV2DL2

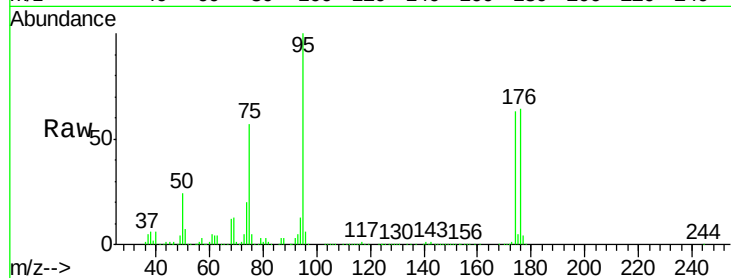
Tot Ion: 95 Resp: 1438962

Ion Ratio Lower Upper

95 100

174 65.0 51.5 77.3

175 4.7 3.8 5.6



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

