

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120219\
 Data File : VL034436.D
 Acq On : 2 Dec 2019 21:23
 Operator : SY/AP
 Sample : K6068-04DL2 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4DL2

Quant Time: Dec 03 11:32:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	803377	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1634340	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	1542005	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1292820	9.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

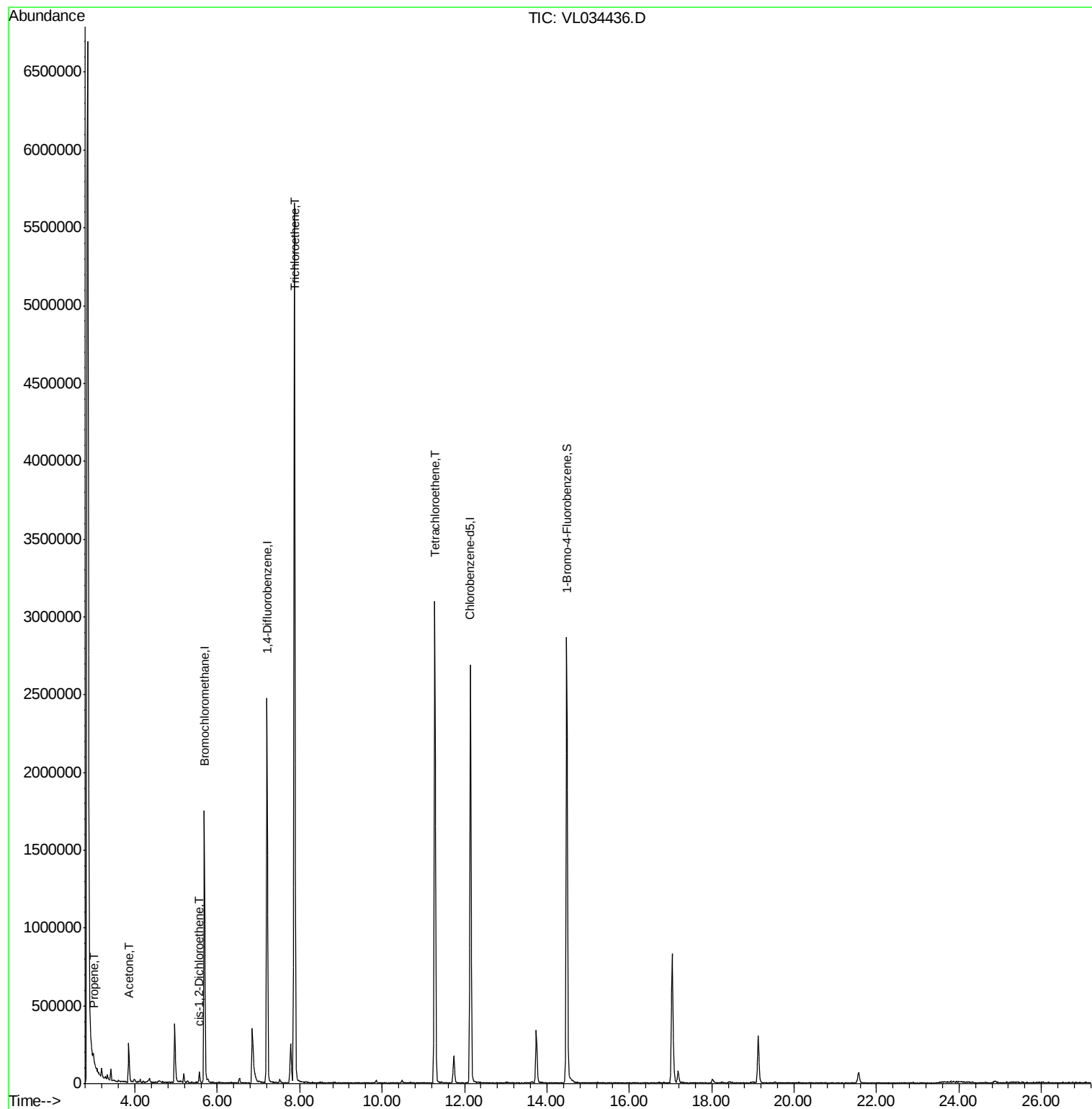
Target Compounds					Ovalue
9) Propene	2.99	41	12195	0.274	ppbv 97
15) Acetone	3.85	43	240564	2.091	ppbv 97
31) cis-1,2-Dichloroethene	5.56	61	35436	0.389	ppbv # 87
38) Trichloroethene	7.87	130	1677009	25.013	ppbv 96
52) Tetrachloroethene	11.28	164	726758	10.281	ppbv 96

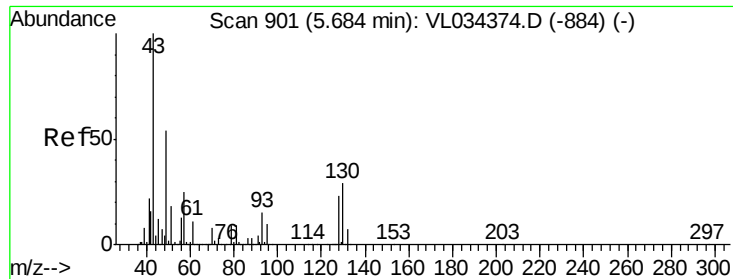
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL120219\
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QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.00 min

Lab File: VL034436.D

Acq: 2 Dec 2019 21:23

Instrument :

MSVOA_L

ClientSampleId :

SV-4DL2

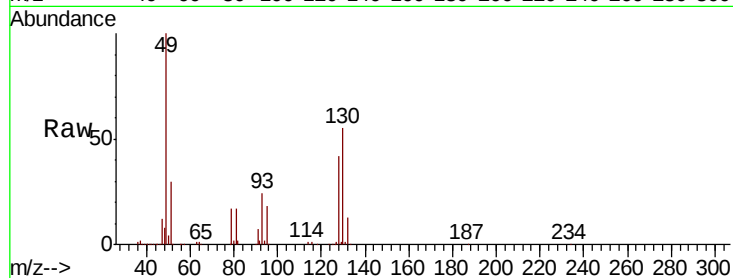
Tot Ion: 49 Resp: 803377

Ion Ratio Lower Upper

49 100

128 44.3 21.8 65.3

130 55.4 28.0 84.0



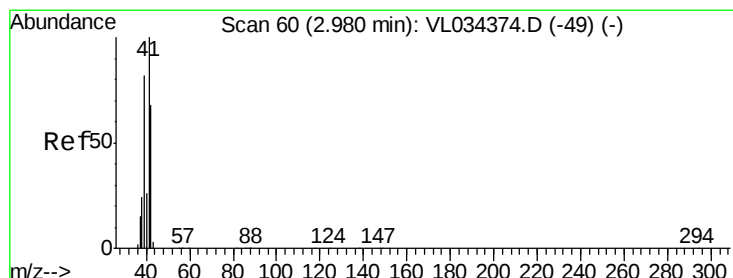
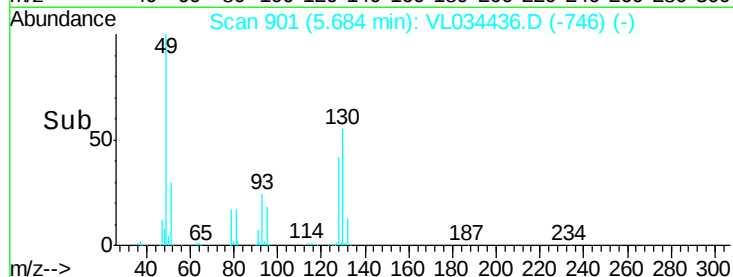
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.68

Time-->



#9

Propene

Concen: 0.274 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.01 min

Lab File: VL034436.D

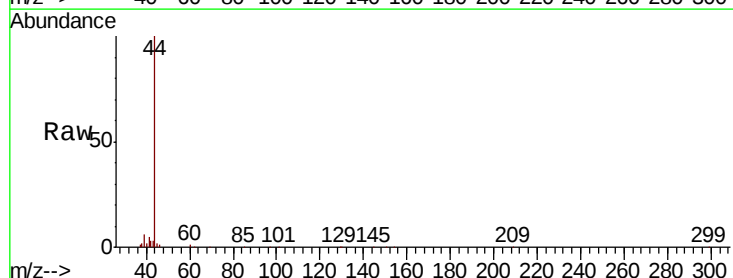
Acq: 2 Dec 2019 21:23

Tgt Ion: 41 Resp: 12195

Ion Ratio Lower Upper

41 100

42 65.5 54.6 82.0

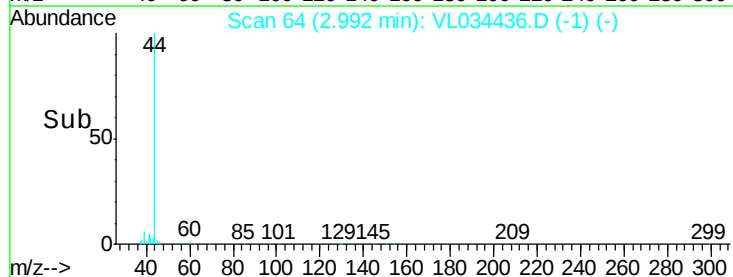


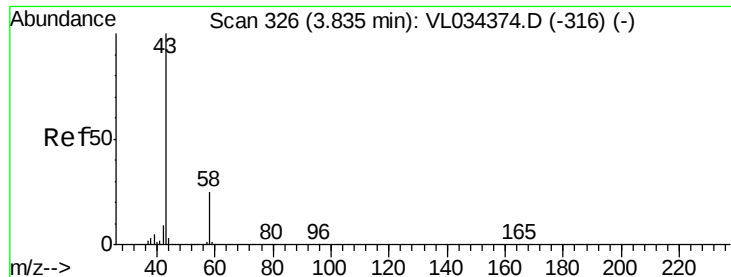
Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

2.99

Time-->





#15

Acetone

Concen: 2.091 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.02 min

Lab File: VL034436.D

Acq: 2 Dec 2019 21:23

Instrument :

MSVOA_L

ClientSampleId :

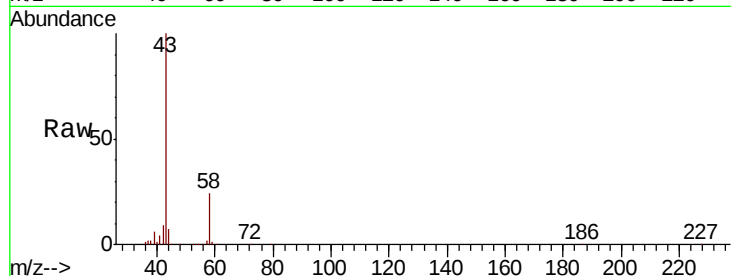
SV-4DL2

Tot Ion: 43 Resp: 240564

Ion Ratio Lower Upper

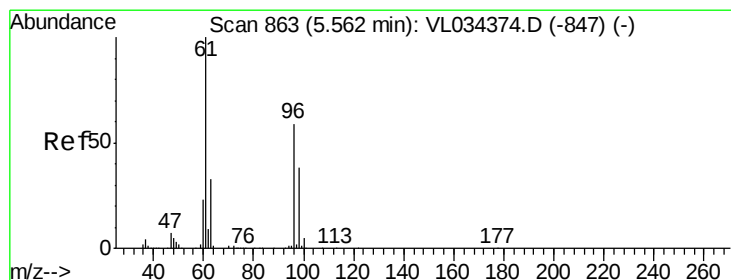
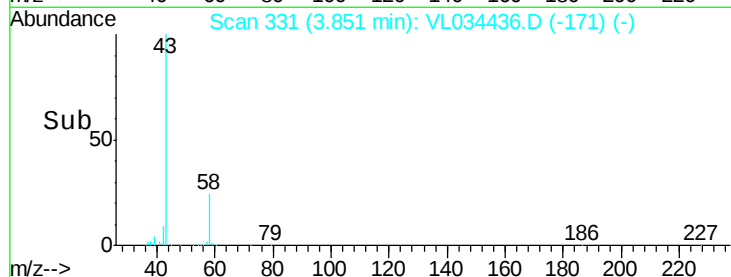
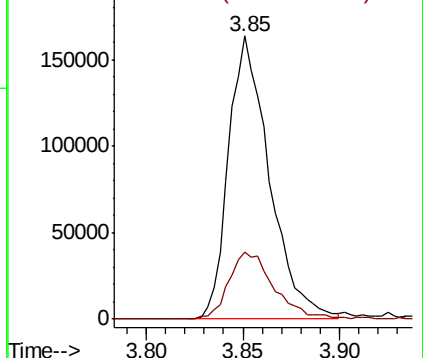
43 100

58 26.6 20.2 30.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#31

cis-1,2-Dichloroethene

Concen: 0.389 ppbv

RT: 5.56 min Scan# 864

Delta R.T. 0.00 min

Lab File: VL034436.D

Acq: 2 Dec 2019 21:23

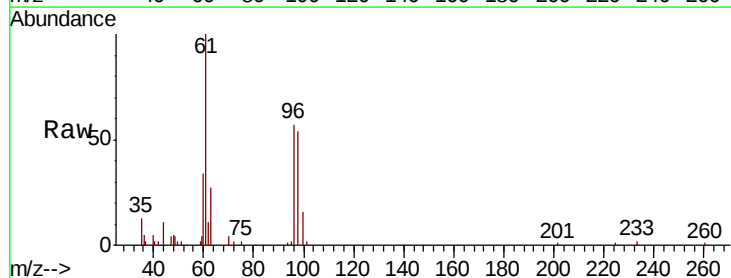
Tgt Ion: 61 Resp: 35436

Ion Ratio Lower Upper

61 100

96 54.7 47.4 71.2

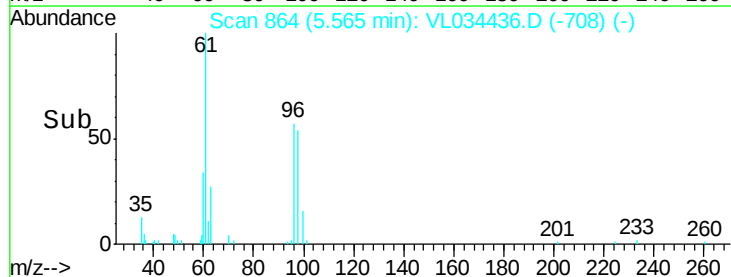
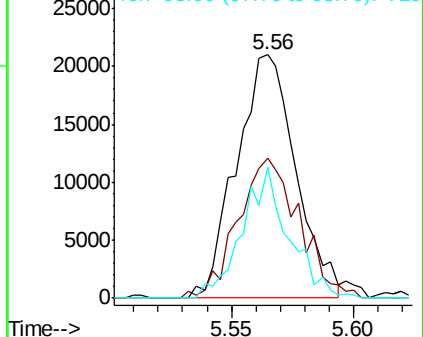
98 52.3 30.6 45.8#

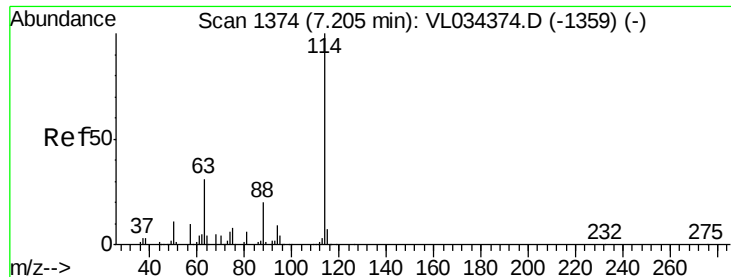


Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0

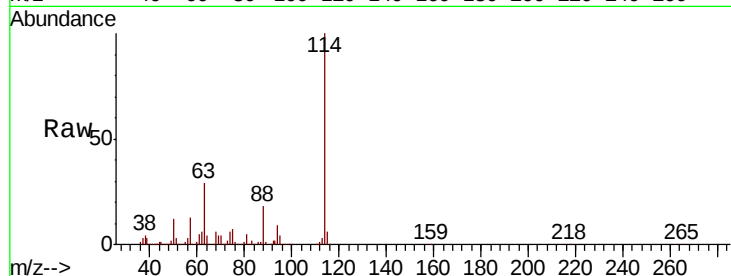




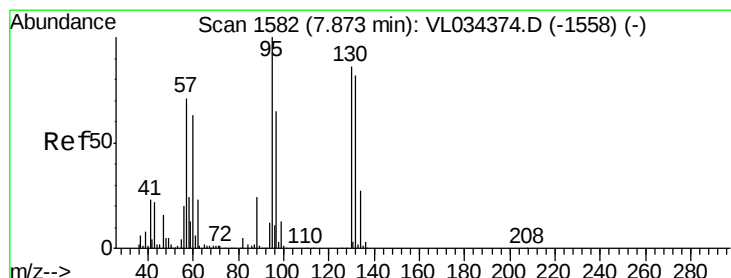
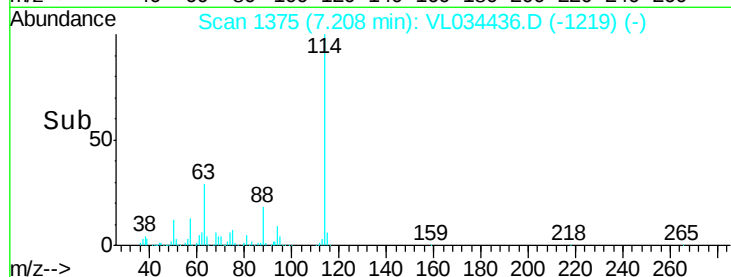
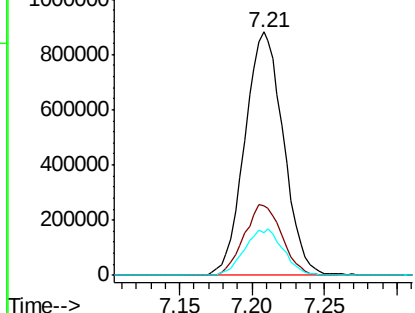
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VL034436.D
 Acq: 2 Dec 2019 21:23

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4DL2

Tot Ion:114 Resp: 1634340
 Ion Ratio Lower Upper
 114 100
 63 28.5 24.2 36.4
 88 19.1 15.9 23.9

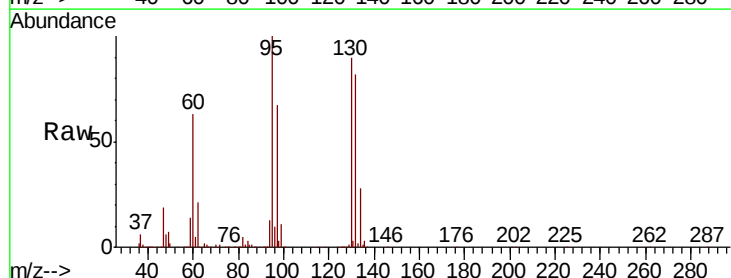


Abundance Ion 114.10 (113.80 to 114.80): V
 1200000 Ion 63.10 (62.80 to 63.80): VL0
 1000000 Ion 88.10 (87.80 to 88.80): VL0

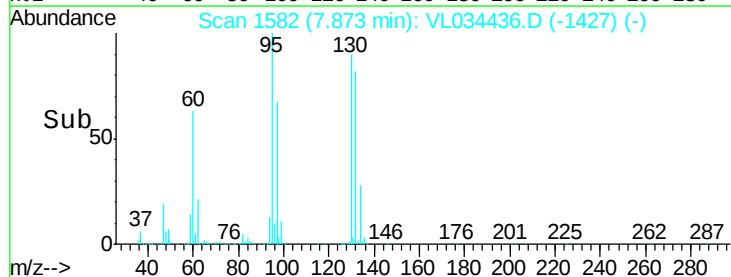
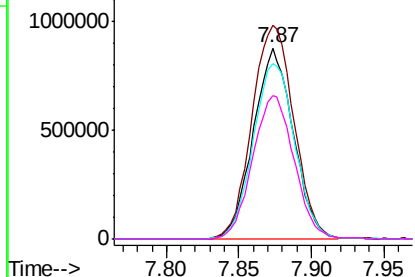


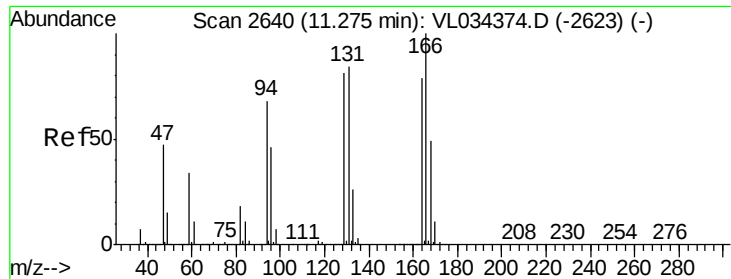
#38
 Trichloroethene
 Concen: 25.013 ppbv
 RT: 7.87 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VL034436.D
 Acq: 2 Dec 2019 21:23

Tgt Ion:130 Resp: 1677009
 Ion Ratio Lower Upper
 130 100
 95 111.6 93.4 140.0
 132 91.8 76.4 114.6
 97 75.1 61.1 91.7



Abundance Ion 130.00 (129.70 to 130.70): V
 1500000 Ion 95.00 (94.70 to 95.70): VL0
 1000000 Ion 132.00 (131.70 to 132.70): V
 500000 Ion 97.00 (96.70 to 97.70): VL0





#52

Tetrachloroethene

Concen: 10.281 ppbv

RT: 11.28 min Scan# 2642

Delta R.T. 0.01 min

Lab File: VL034436.D

Acq: 2 Dec 2019 21:23

Instrument :

MSVOA_L

ClientSampleId :

SV-4DL2

Tot Ion:164 Resp: 726758

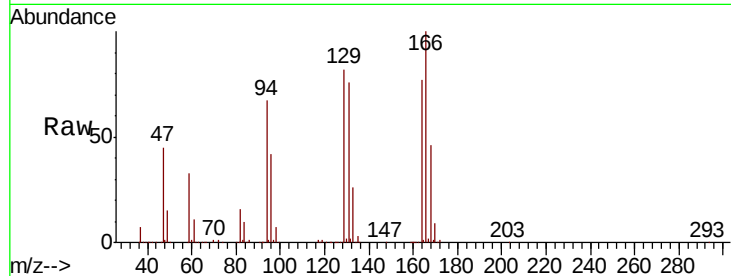
Ion Ratio Lower Upper

164 100

166 129.1 101.7 152.5

129 105.8 82.6 123.8

131 97.9 85.2 127.8

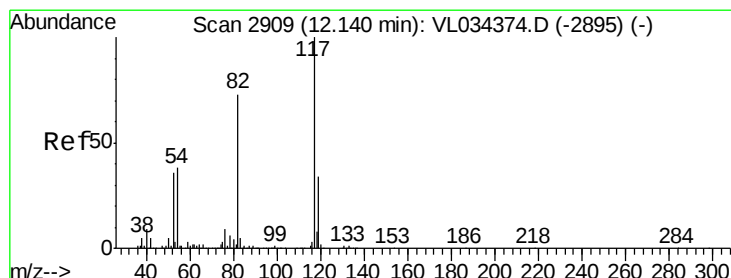
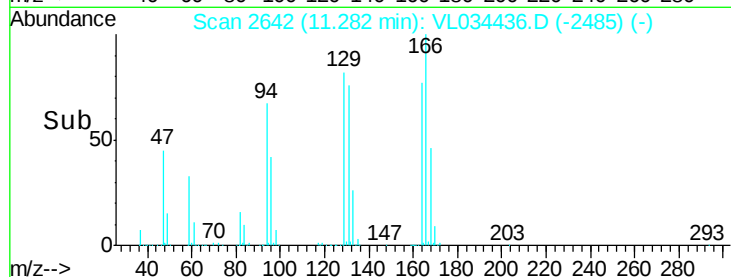
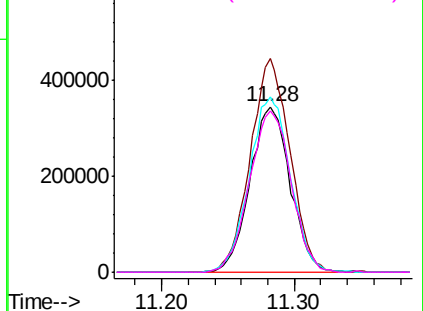


Abundance Ion 163.90 (163.60 to 164.60): V

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: 10.000 ppbv

RT: 12.15 min Scan# 2911

Delta R.T. 0.01 min

Lab File: VL034436.D

Acq: 2 Dec 2019 21:23

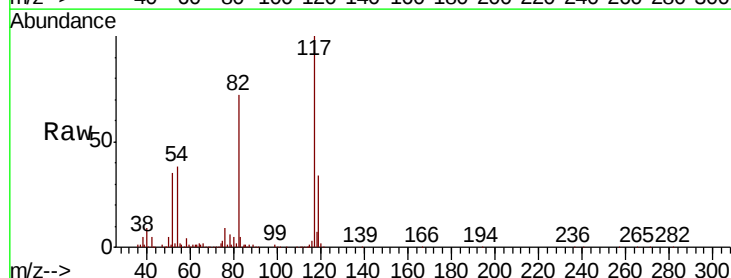
Tgt Ion:117 Resp: 1542005

Ion Ratio Lower Upper

117 100

82 72.4 57.5 86.3

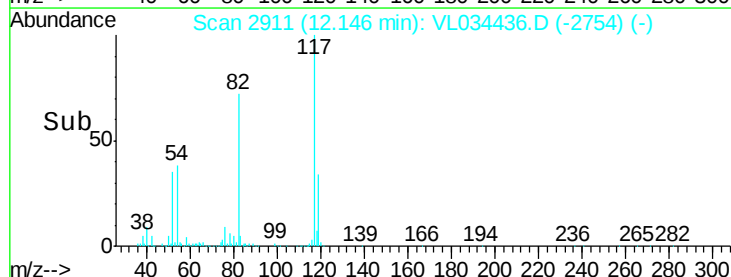
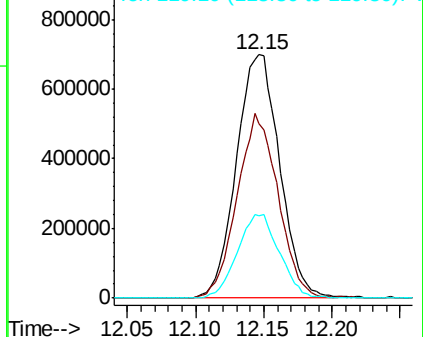
119 33.4 25.4 38.2

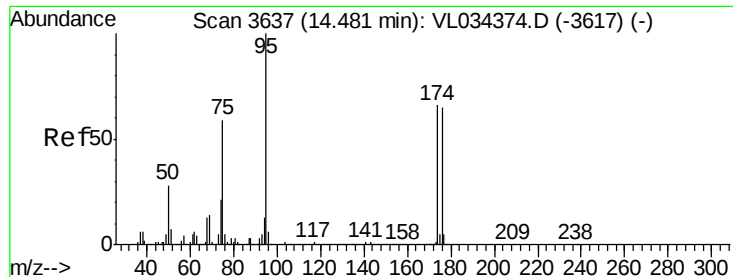


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.966 ppbv

RT: 14.48 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VL034436.D

Acq: 2 Dec 2019 21:23

Instrument :

MSVOA_L

ClientSampleId :

SV-4DL2

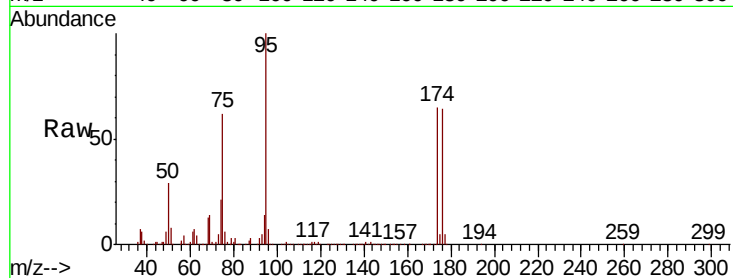
Tot Ion: 95 Resp: 1292820

Ion Ratio Lower Upper

95 100

174 66.3 52.2 78.2

175 4.8 3.8 5.8



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

