

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111919\
 Data File : VL034395.D
 Acq On : 20 Nov 2019 1:30
 Operator : SY/AP
 Sample : K5924-02DL2 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DL2

Quant Time: Nov 20 06:15:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 20 03:30:54 2019
 QLast Update : Wed Nov 20 03:30:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	970991	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1889421	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	1847292	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1572818	10.12	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.20%

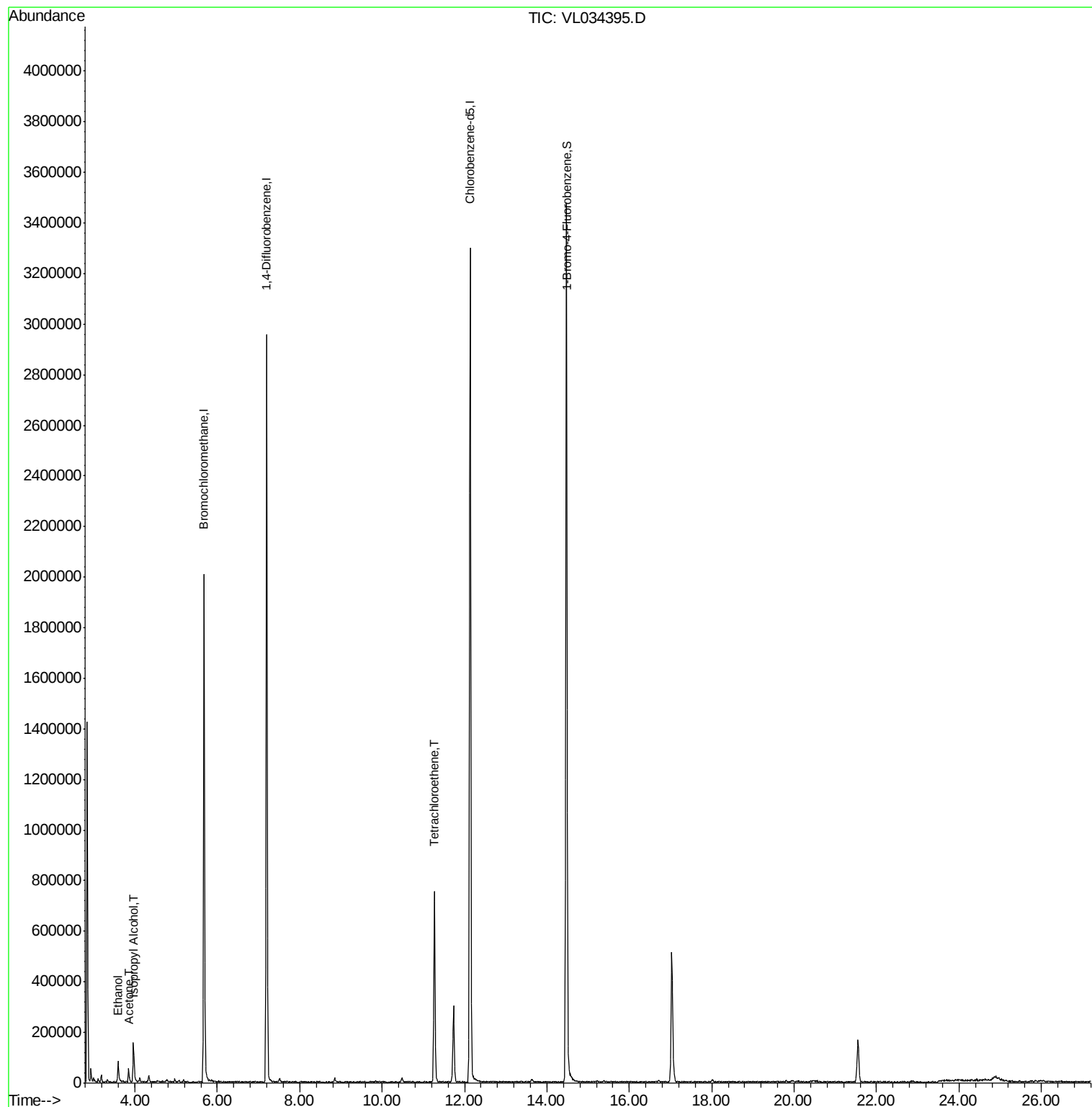
Target Compounds					Ovalue
13) Ethanol	3.59	45	82772	5.254	ppbv 97
15) Acetone	3.85	43	44715	0.322	ppbv # 88
19) Isopropyl Alcohol	3.96	45	166145	1.643	ppbv # 96
52) Tetrachloroethene	11.28	164	167290	2.047	ppbv 94

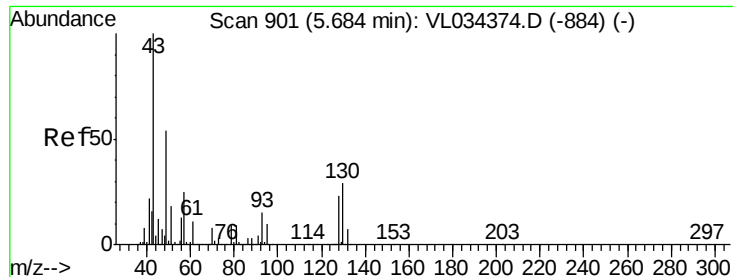
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 20 03:30:54 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL034395.D

Acq: 20 Nov 2019 1:30

Instrument :

MSVOA_L

ClientSampleId :

IA2DL2

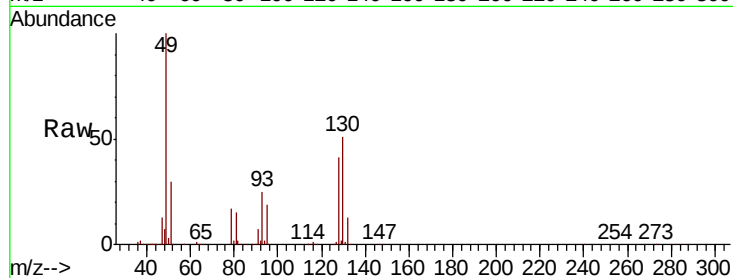
Tot Ion: 49 Resp: 970991

Ion Ratio Lower Upper

49 100

128 42.8 21.8 65.3

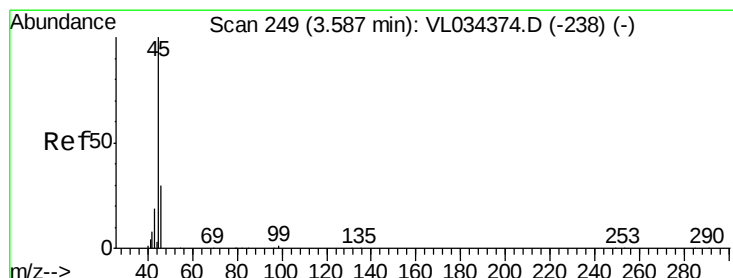
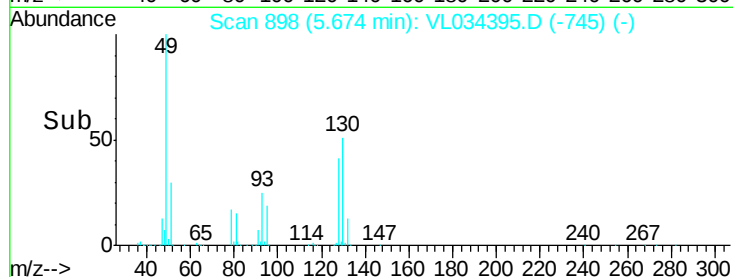
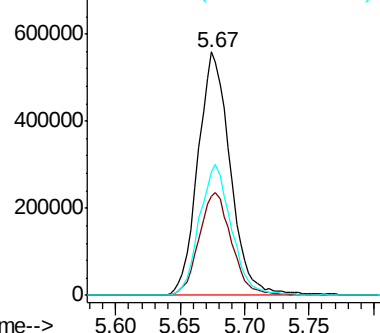
130 53.9 28.0 84.0



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



#13

Ethanol

Concen: 5.254 ppbv

RT: 3.59 min Scan# 249

Delta R.T. 0.00 min

Lab File: VL034395.D

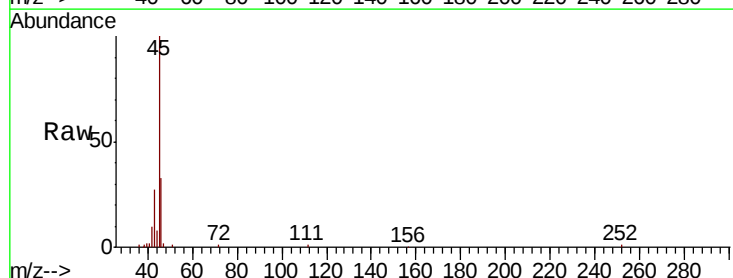
Acq: 20 Nov 2019 1:30

Tgt Ion: 45 Resp: 82772

Ion Ratio Lower Upper

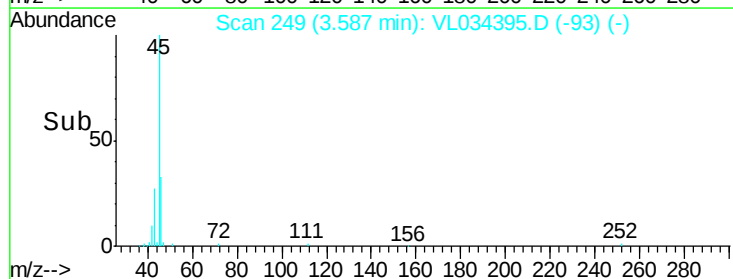
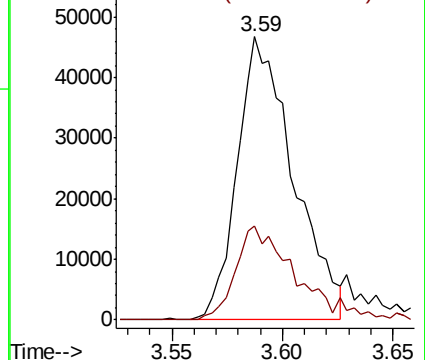
45 100

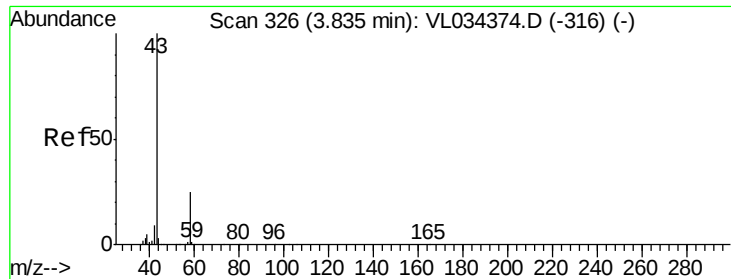
46 36.3 13.8 55.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

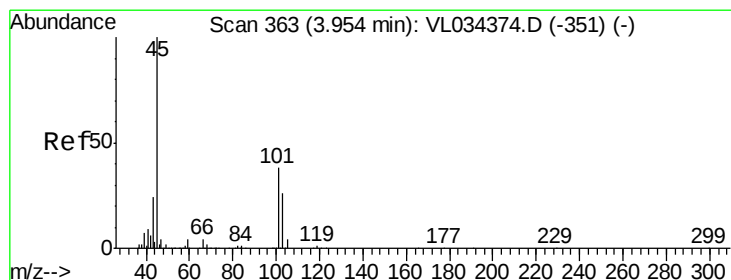
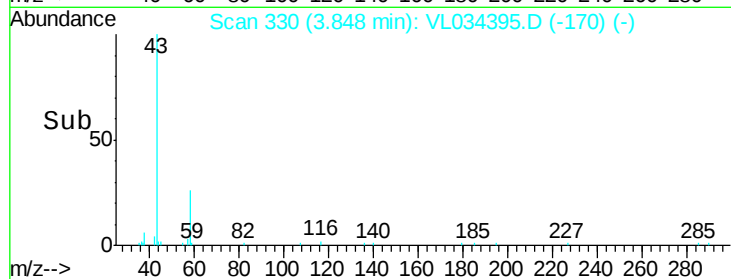
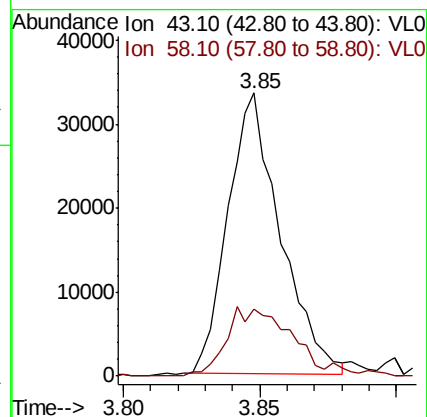
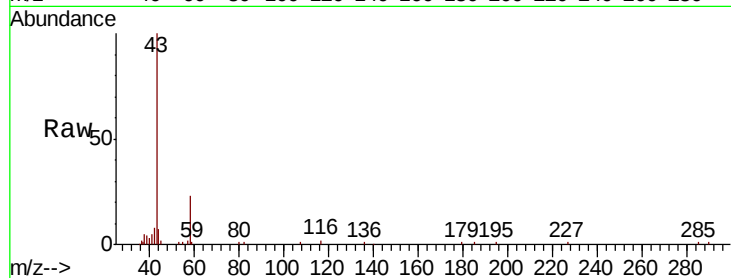




#15
Acetone
Concen: 0.322 ppbv
RT: 3.85 min Scan# 330
Delta R.T. 0.01 min
Lab File: VL034395.D
Acq: 20 Nov 2019 1:30

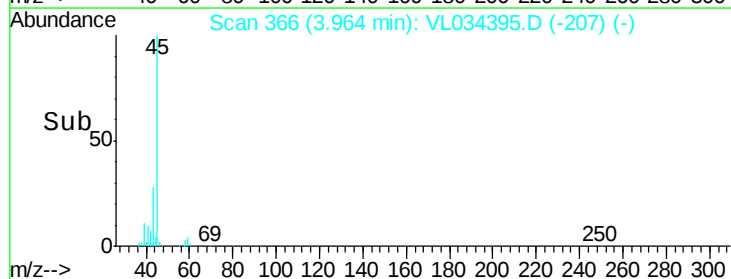
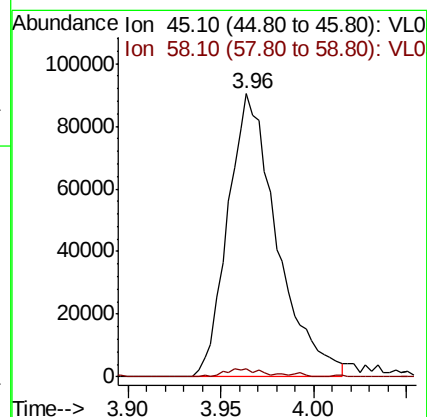
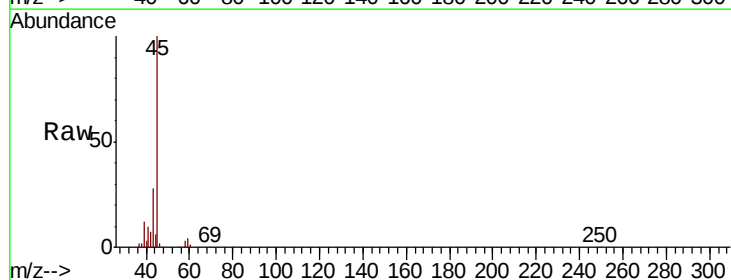
Instrument :
MSVOA_L
ClientSampleId :
IA2DL2

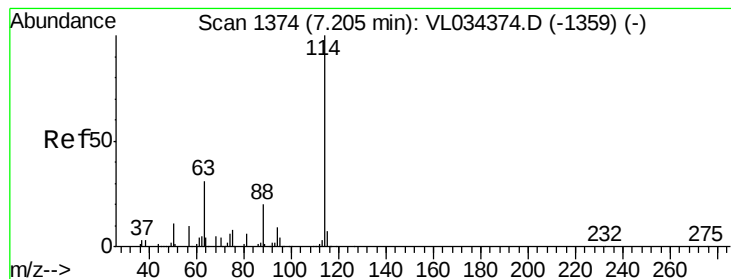
Tot Ion: 43 Resp: 44715
Ion Ratio Lower Upper
43 100
58 31.3 20.2 30.4#



#19
Isopropyl Alcohol
Concen: 1.643 ppbv
RT: 3.96 min Scan# 366
Delta R.T. 0.01 min
Lab File: VL034395.D
Acq: 20 Nov 2019 1:30

Tgt Ion: 45 Resp: 166145
Ion Ratio Lower Upper
45 100
58 2.9 1.3 1.9#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20 min Scan# 1372

Delta R.T. -0.01 min

Lab File: VL034395.D

Acq: 20 Nov 2019 1:30

Instrument :

MSVOA_L

ClientSampleId :

IA2DL2

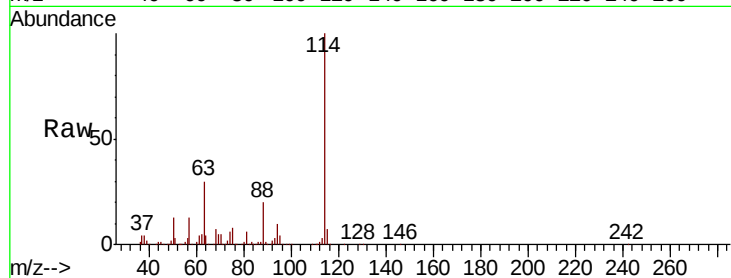
Tot Ion:114 Resp: 1889421

Ion Ratio Lower Upper

114 100

63 29.7 24.2 36.4

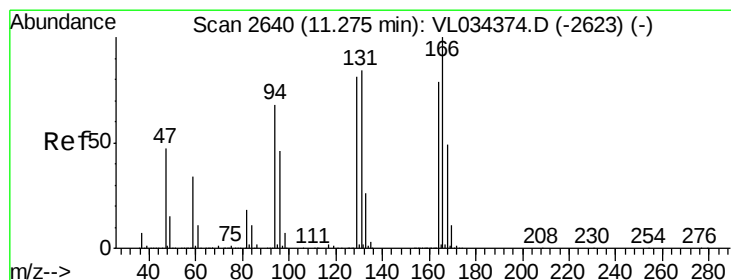
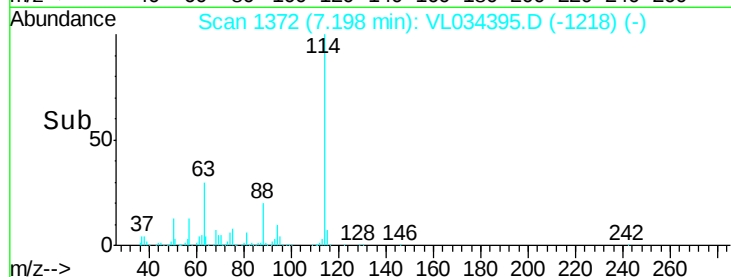
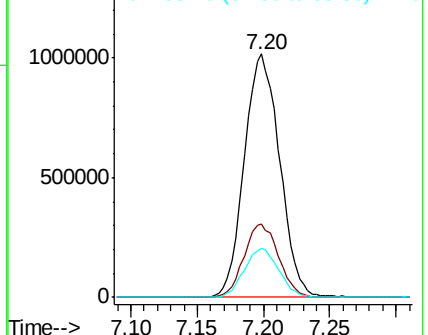
88 19.7 15.9 23.9



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



#52

Tetrachloroethene

Concen: 2.047 ppbv

RT: 11.28 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VL034395.D

Acq: 20 Nov 2019 1:30

Tgt Ion:164 Resp: 167290

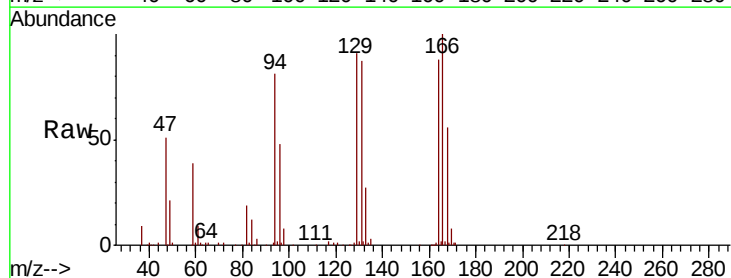
Ion Ratio Lower Upper

164 100

166 114.3 101.7 152.5

129 103.6 82.6 123.8

131 99.6 85.2 127.8

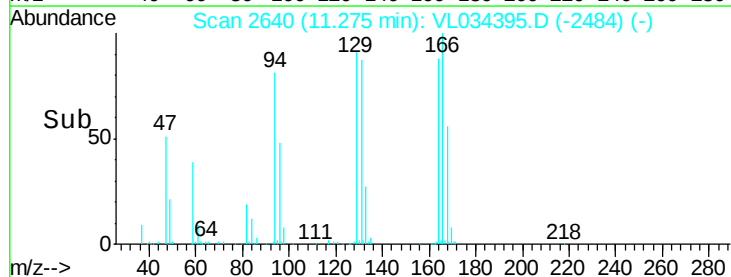
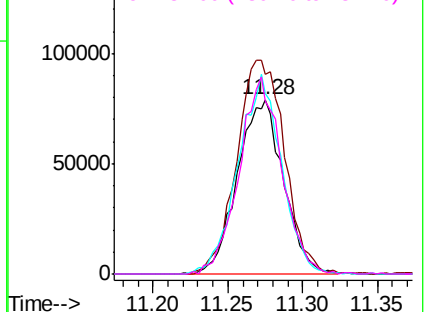


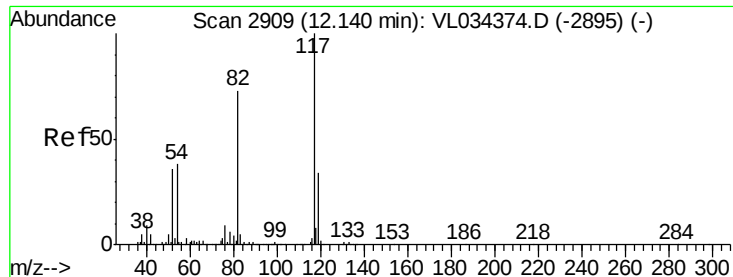
Abundance Ion 163.90 (163.60 to 164.60): V

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

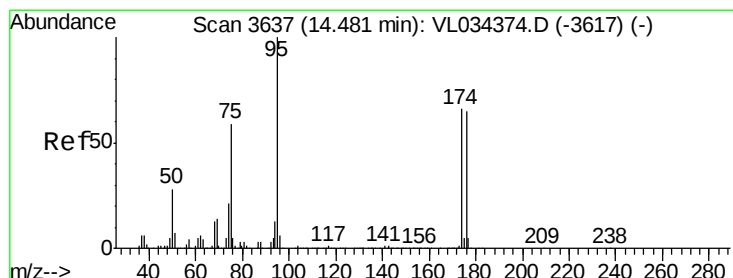
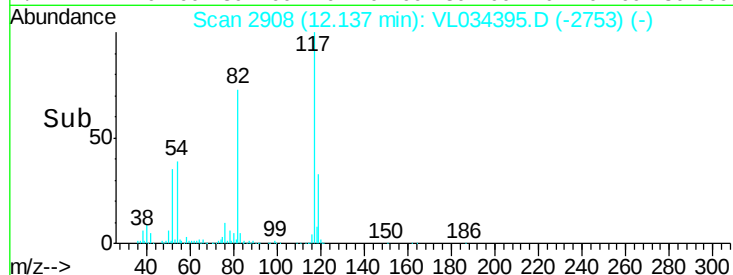
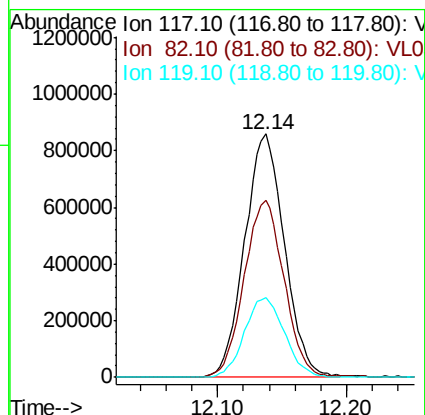
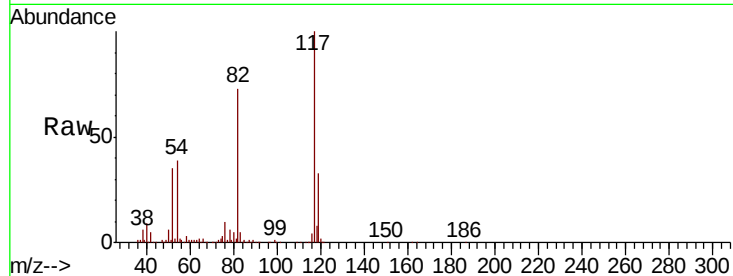




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VL034395.D
Acq: 20 Nov 2019 1:30

Instrument :
MSVOA_L
ClientSampleID :
IA2DL2

Tot Ion:117 Resp: 1847292
Ion Ratio Lower Upper
117 100
82 73.3 57.5 86.3
119 33.2 25.4 38.2



#68
1-Bromo-4-Fluorobenzene
Concen: 10.121 ppbv
RT: 14.47 min Scan# 3635
Delta R.T. -0.01 min
Lab File: VL034395.D
Acq: 20 Nov 2019 1:30

Tgt Ion: 95 Resp: 1572818
Ion Ratio Lower Upper
95 100
174 65.9 52.2 78.2
175 4.6 3.8 5.8

