

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102519\
 Data File : VL034363.D
 Acq On : 25 Oct 2019 14:26
 Operator : SY/AP
 Sample : K5477-02DL2 600X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV6DL2

Quant Time: Oct 25 23:28:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 17 05:12:37 2019
 QLast Update : Thu Oct 17 05:12:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	874460	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1760218	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.14	117	1757886	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1473966	9.90	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%

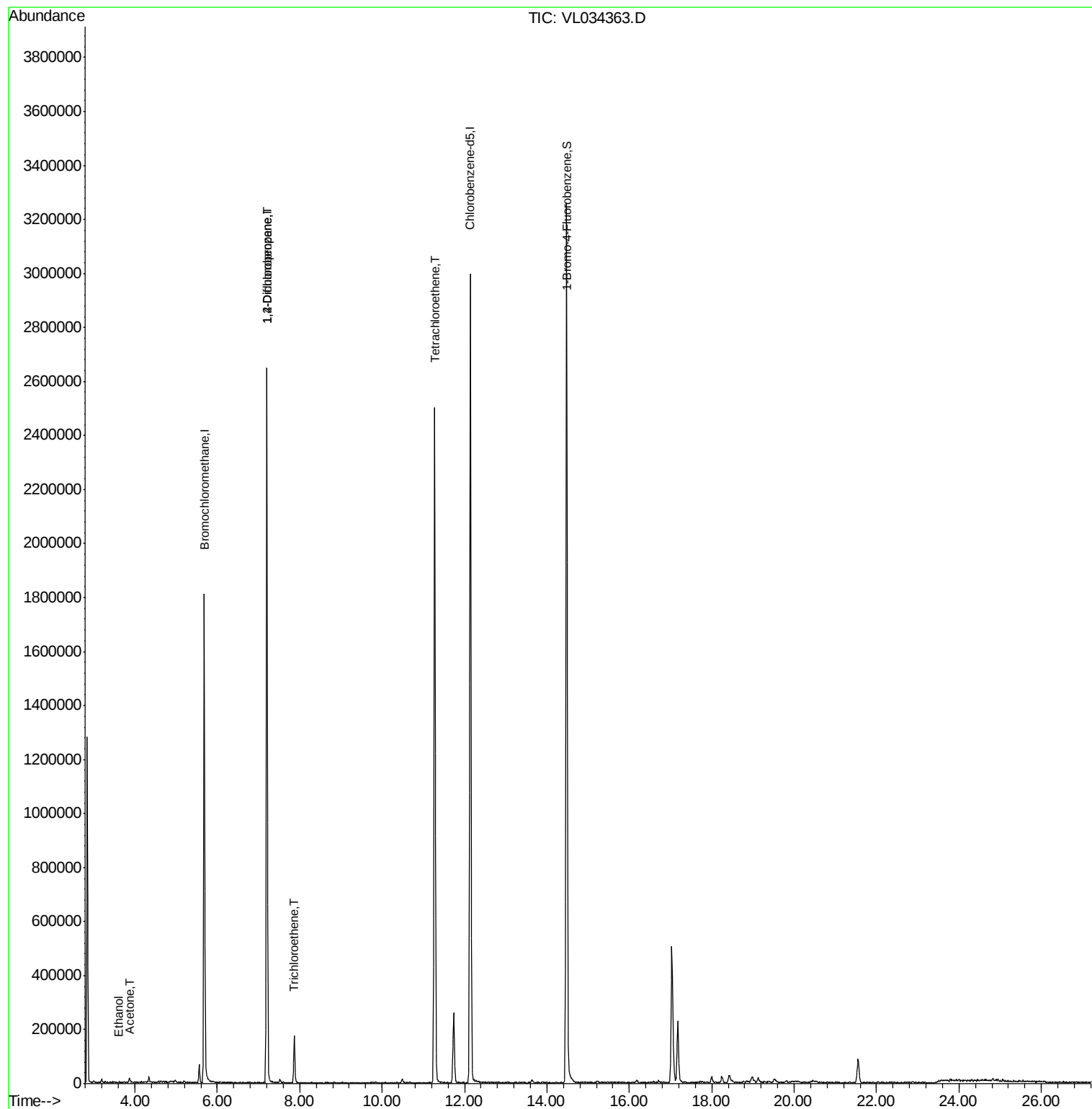
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.60	45	479	0.047	ppbv #	36
15) Acetone	3.86	43	13431	0.107	ppbv #	89
38) Trichloroethene	7.87	130	46263	0.683	ppbv	87
39) 1,2-Dichloropropane	7.20	63	520916	7.163	ppbv #	23
52) Tetrachloroethene	11.28	164	604352	9.129	ppbv	94

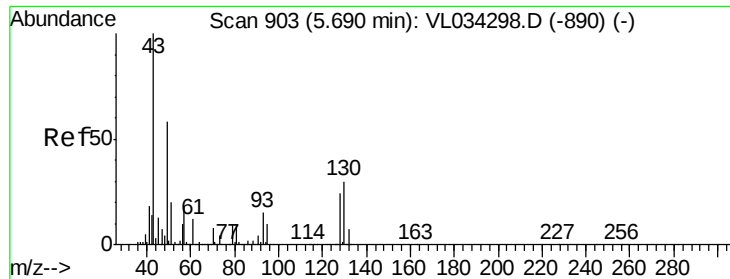
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.01 min

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SV6DL2

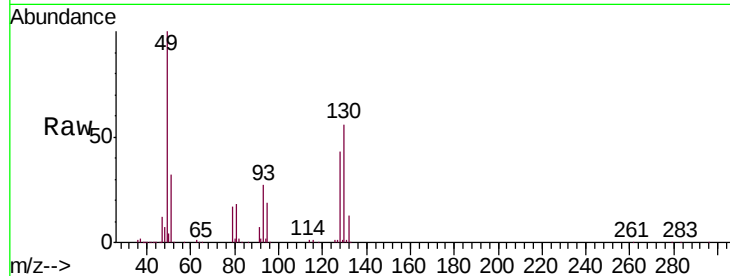
Tgt Ion: 49 Resp: 874460

Ion Ratio Lower Upper

49 100

128 43.2 20.6 61.8

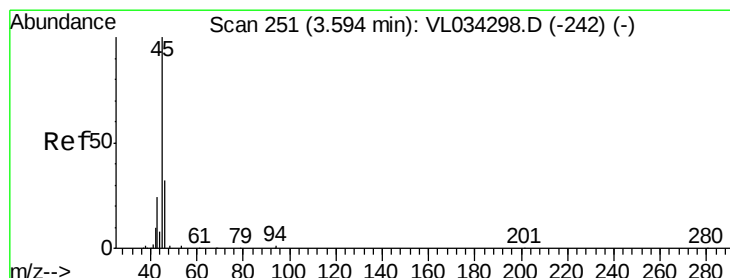
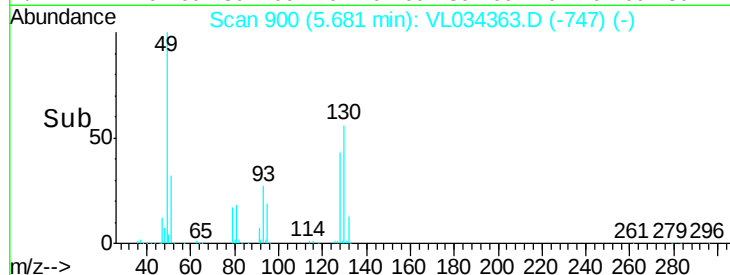
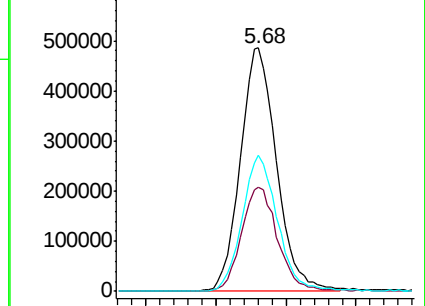
130 54.9 26.2 78.5



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: 0.047 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.01 min

Lab File: VL034363.D

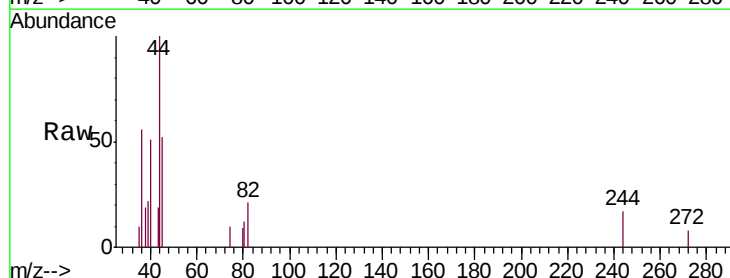
Acq: 25 Oct 2019 14:26

Tgt Ion: 45 Resp: 479

Ion Ratio Lower Upper

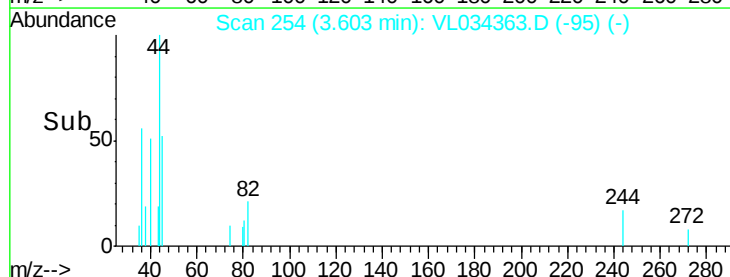
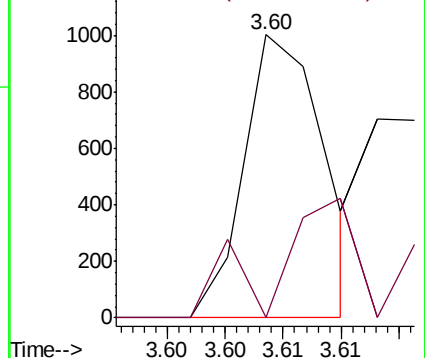
45 100

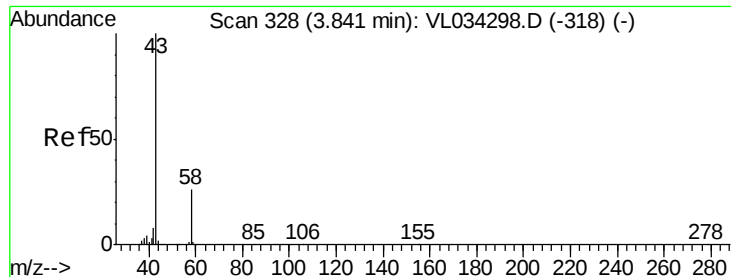
46 0.0 15.8 63.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.107 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.02 min

Lab File: VL034363.D

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Instrument :

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ClientSampleId :

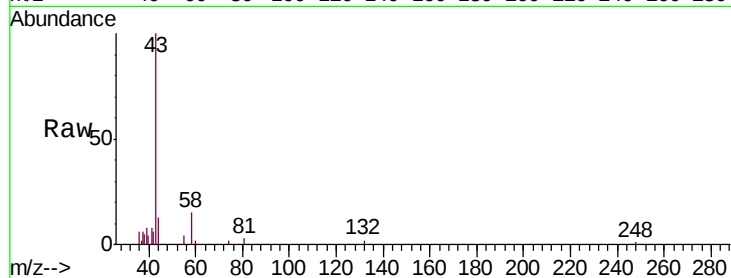
SV6DL2

Tgt Ion: 43 Resp: 13431

Ion Ratio Lower Upper

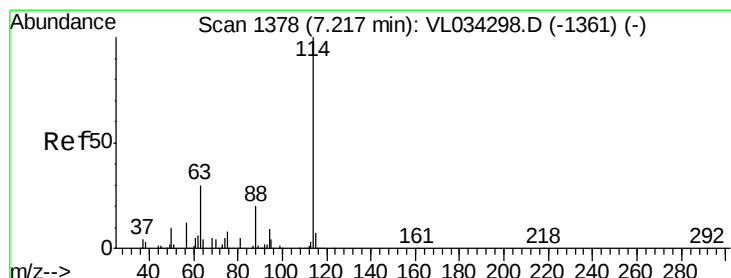
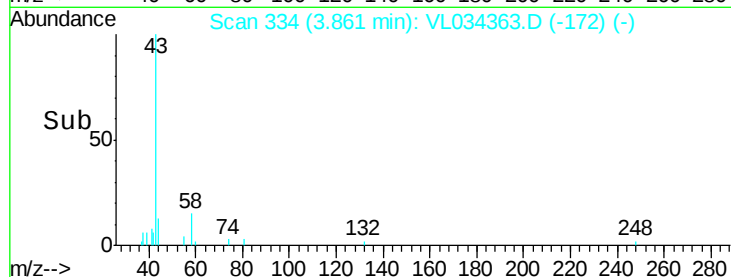
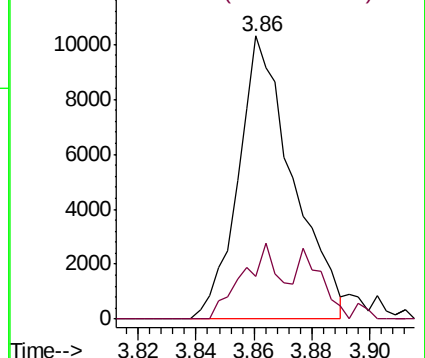
43 100

58 31.0 20.4 30.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20 min Scan# 1374

Delta R.T. -0.01 min

Lab File: VL034363.D

Acq: 25 Oct 2019 14:26

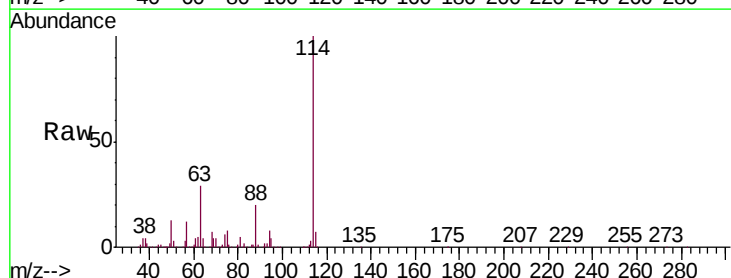
Tgt Ion: 114 Resp: 1760218

Ion Ratio Lower Upper

114 100

63 29.8 25.2 37.8

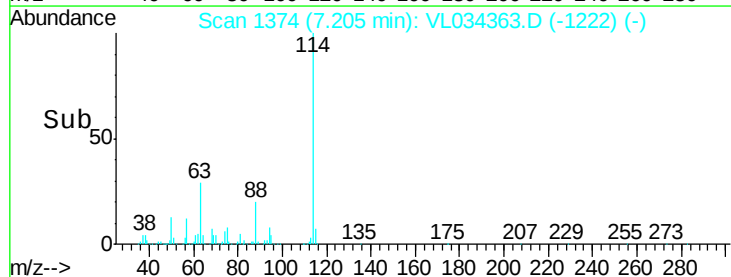
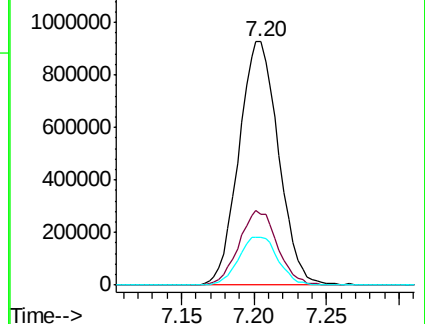
88 19.8 16.0 24.0

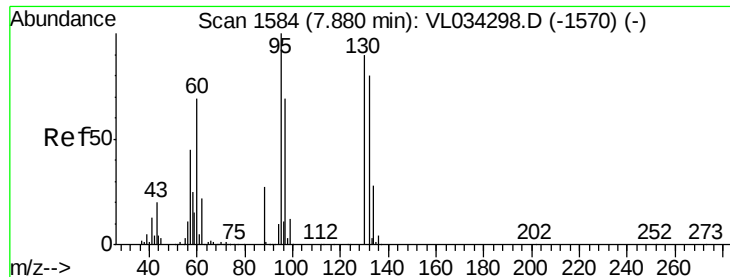


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#38

Trichloroethene

Concen: 0.683 ppbv

RT: 7.87 min Scan# 1582

Delta R.T. -0.01 min

Lab File: VL034363.D

Acq: 25 Oct 2019 14:26

Instrument :

MSVOA_L

ClientSampleId :

SV6DL2

Tgt Ion: 130 Resp: 46263

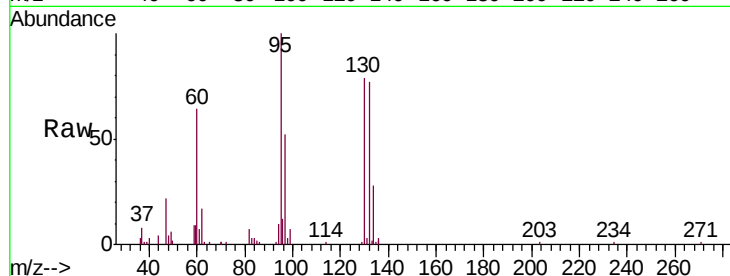
Ion Ratio Lower Upper

130 100

95 126.9 88.6 132.8

132 99.3 71.2 106.8

97 66.3 61.0 91.4

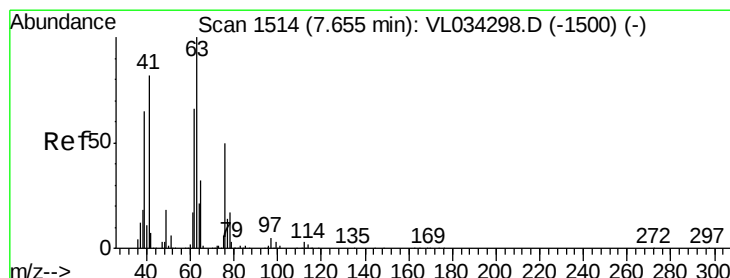
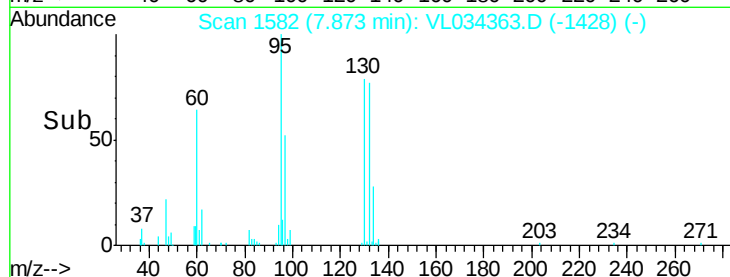
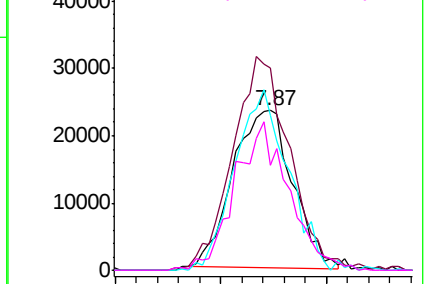


Abundance Ion 130.00 (129.70 to 130.70): V

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



#39

1,2-Dichloropropane

Concen: 7.163 ppbv

RT: 7.20 min Scan# 1373

Delta R.T. -0.45 min

Lab File: VL034363.D

Acq: 25 Oct 2019 14:26

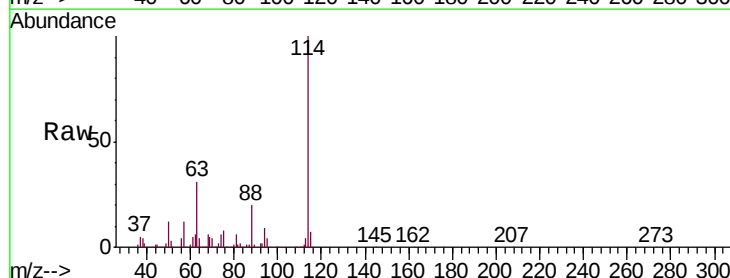
Tgt Ion: 63 Resp: 520916

Ion Ratio Lower Upper

63 100

41 0.0 65.6 98.4#

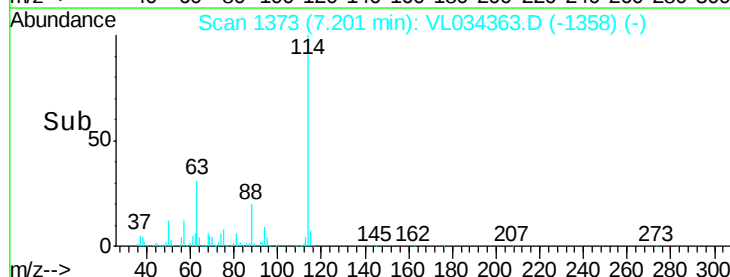
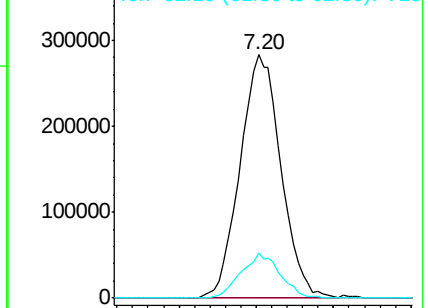
62 18.6 53.0 79.6#

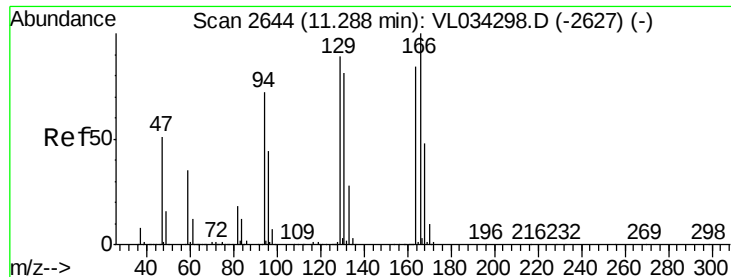


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#52

Tetrachloroethene

Concen: 9.129 ppbv

RT: 11.28 min Scan# 2641

Delta R.T. -0.01 min

Lab File: VL034363.D

Acq: 25 Oct 2019 14:26

Instrument :

MSVOA_L

ClientSampleId :

SV6DL2

Tgt Ion:164 Resp: 604352

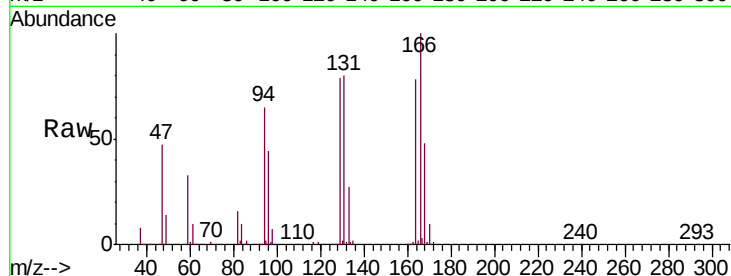
Ion Ratio Lower Upper

164 100

166 127.7 95.3 142.9

129 100.9 84.5 126.7

131 101.9 77.3 115.9

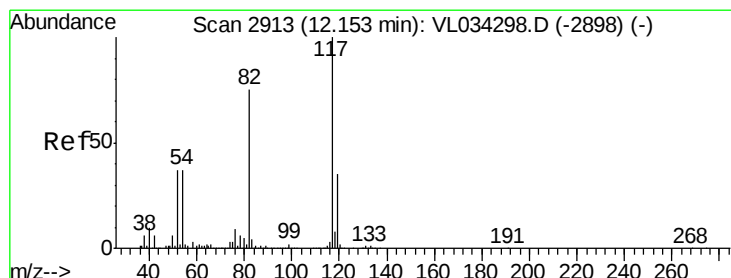
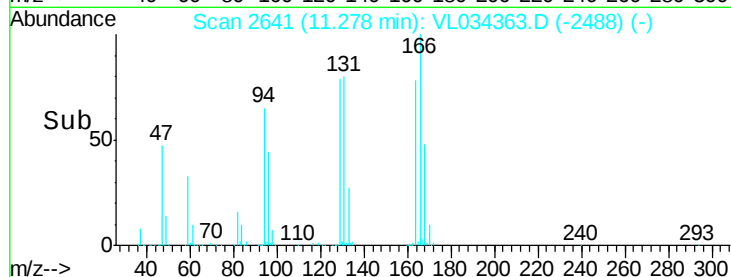
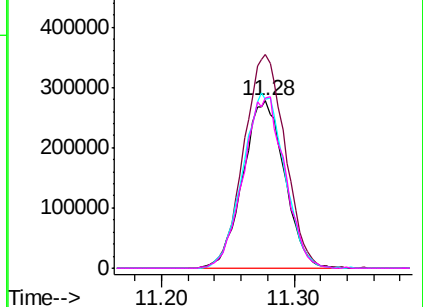


Abundance Ion 163.90 (163.60 to 164.60): V

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# 2909

Delta R.T. -0.01 min

Lab File: VL034363.D

Acq: 25 Oct 2019 14:26

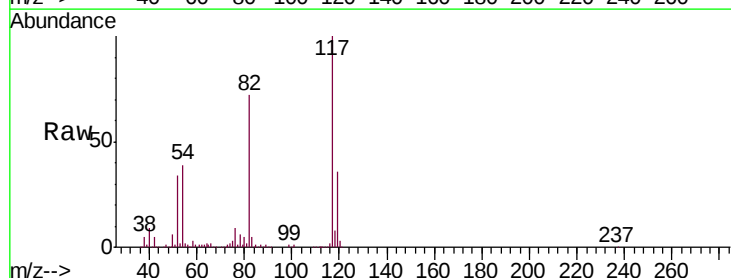
Tgt Ion:117 Resp: 1757886

Ion Ratio Lower Upper

117 100

82 71.5 55.5 83.3

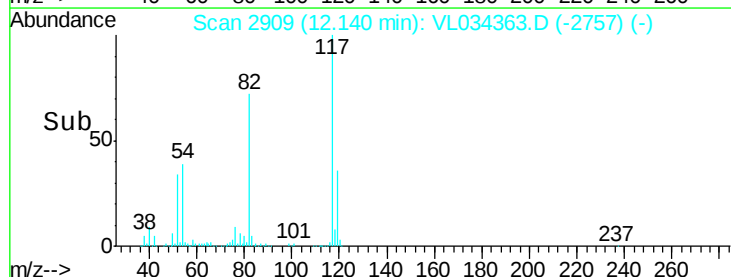
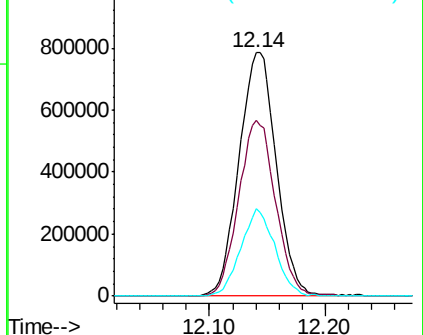
119 32.9 26.5 39.7

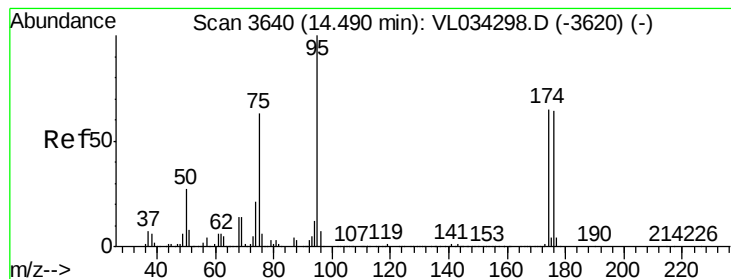


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.900 ppbv

RT: 14.48 min Scan# 3637

Delta R.T. -0.01 min

Lab File: VL034363.D

Acq: 25 Oct 2019 14:26

Instrument :

MSVOA_L

ClientSampleId :

SV6DL2

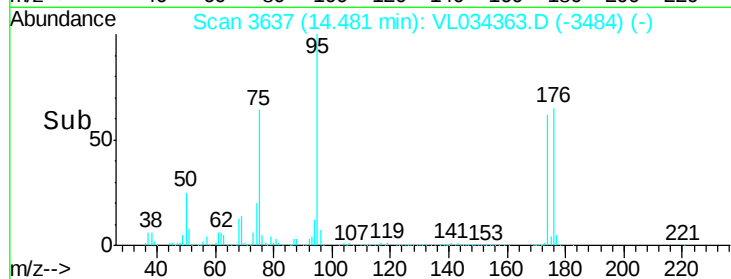
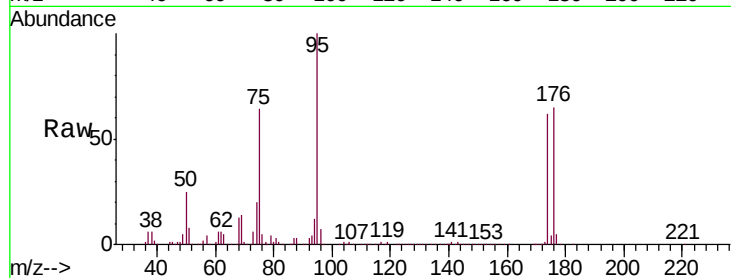
Tgt Ion: 95 Resp: 1473966

Ion Ratio Lower Upper

95 100

174 66.4 52.6 78.8

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

