

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102519\
 Data File : VL034362.D
 Acq On : 25 Oct 2019 13:48
 Operator : SY/AP
 Sample : K5477-02DL2 300X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV6DL

Quant Time: Oct 25 23:28:10 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	901550	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1804507	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.14	117	1783796	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1497271	9.91	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%

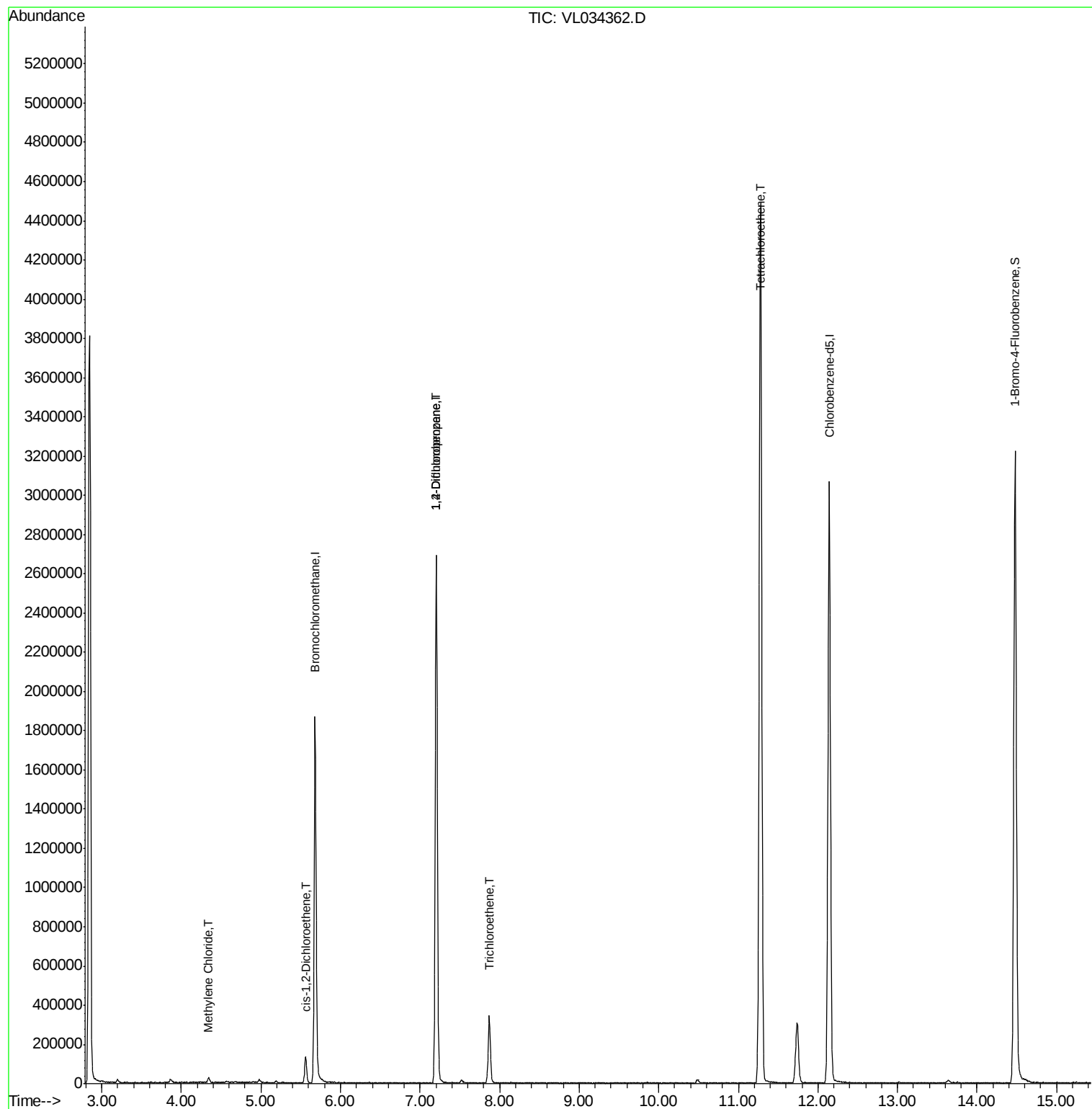
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	4.35	84	8159	0.175	ppbv #	69
31) cis-1,2-Dichloroethene	5.56	61	71956	0.764	ppbv	93
38) Trichloroethene	7.87	130	97798	1.408	ppbv	89
39) 1,2-Dichloropropane	7.20	63	521643	6.997	ppbv #	23
52) Tetrachloroethene	11.28	164	1103136	16.255	ppbv	96

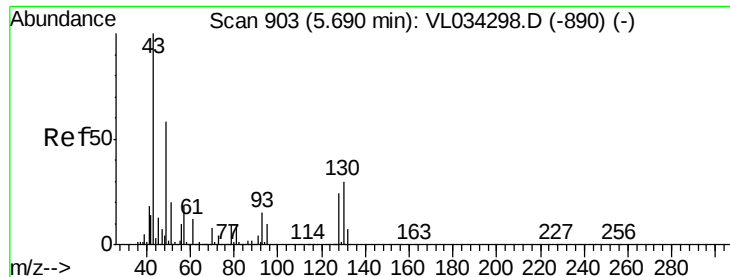
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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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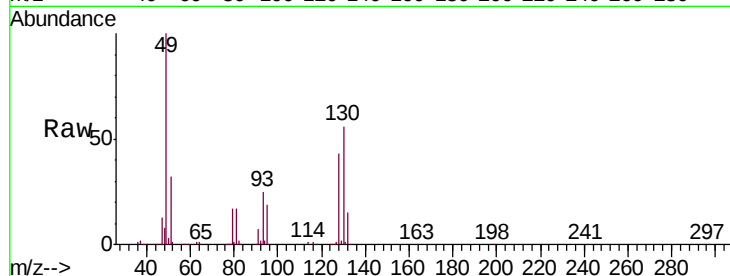
Tgt Ion: 49 Resp: 901550

Ion Ratio Lower Upper

49 100

128 43.2 20.6 61.8

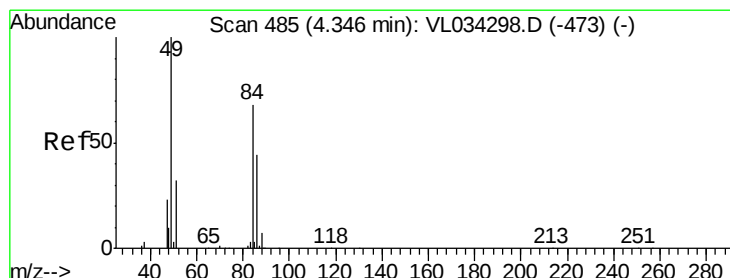
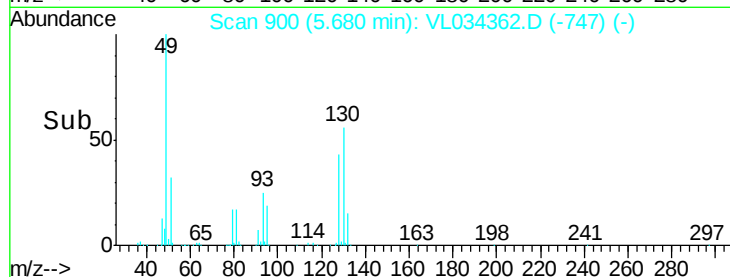
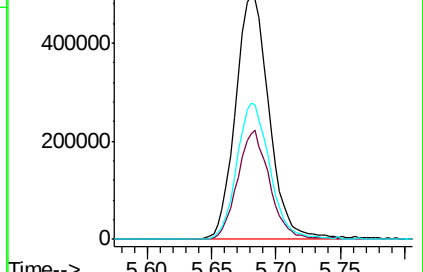
130 55.8 26.2 78.5



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



#20

Methylene Chloride

Concen: 0.175 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.00 min

Lab File: VL034362.D

Acq: 25 Oct 2019 13:48

Tgt Ion: 84 Resp: 8159

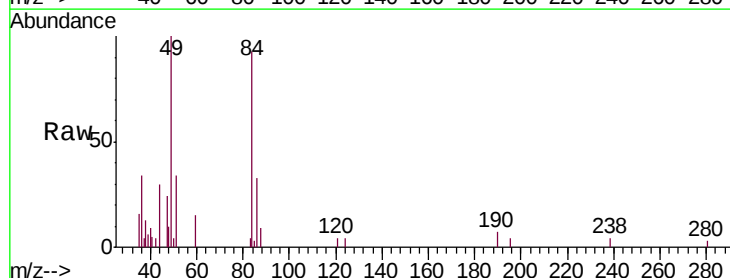
Ion Ratio Lower Upper

84 100

49 105.0 118.5 177.7#

51 36.9 38.8 58.2#

86 36.3 51.7 77.5#

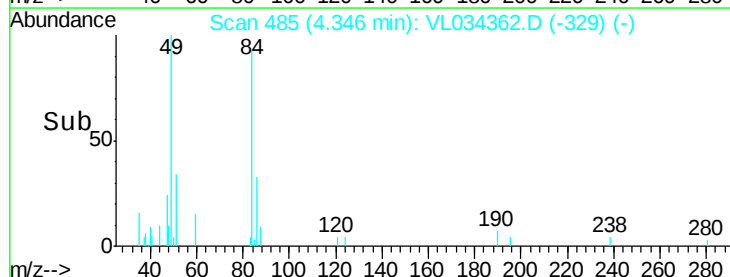
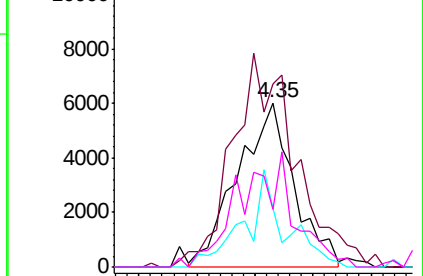


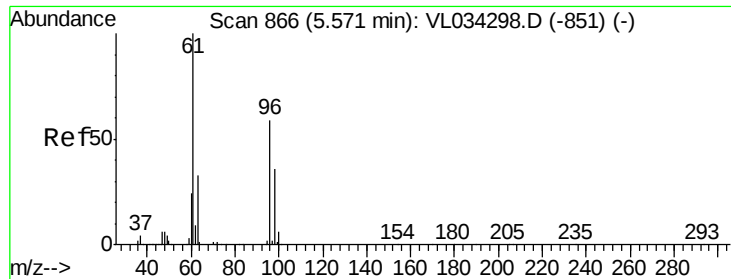
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#31

cis-1,2-Dichloroethene

Concen: 0.764 ppbv

RT: 5.56 min Scan# 863

Delta R.T. -0.01 min

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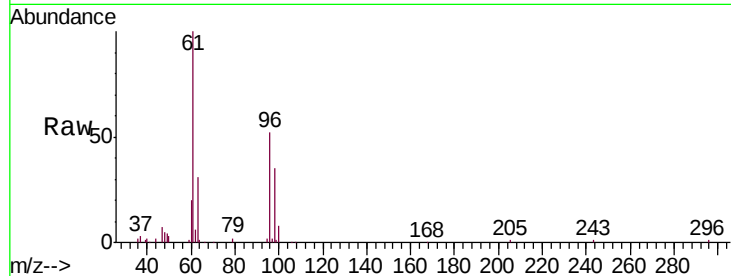
Tgt Ion: 61 Resp: 71956

Ion Ratio Lower Upper

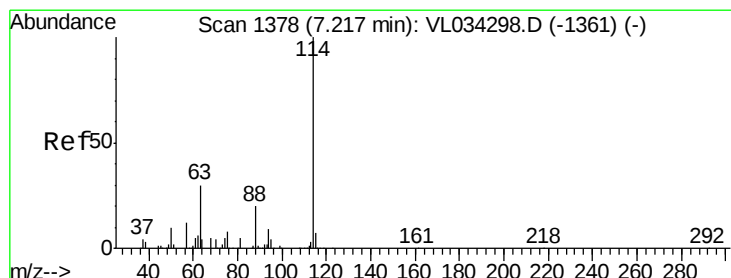
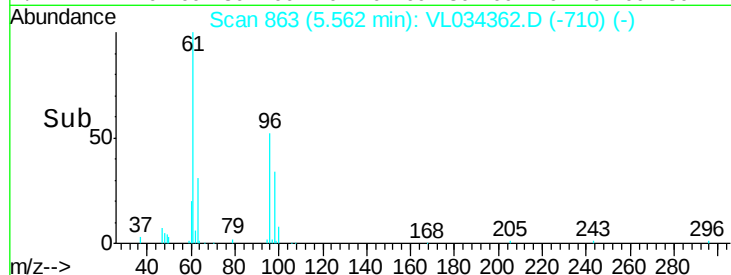
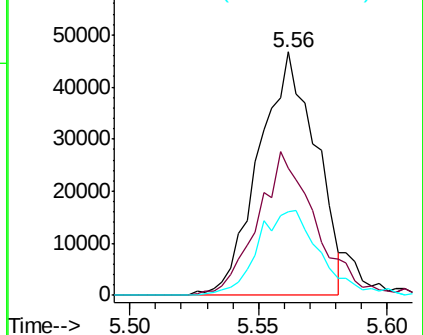
61 100

96 52.1 47.5 71.3

98 34.6 28.8 43.2



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: 7.20 min Scan# 1374

Delta R.T. -0.01 min

Lab File: VL034362.D

Acq: 25 Oct 2019 13:48

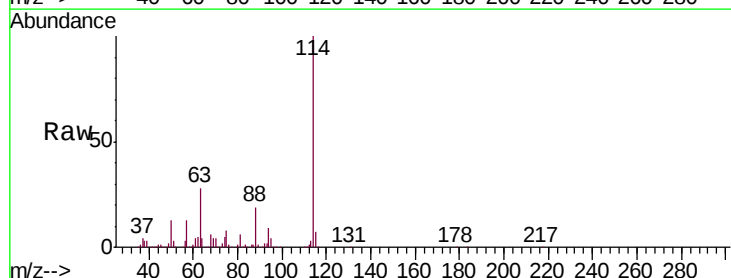
Tgt Ion: 114 Resp: 1804507

Ion Ratio Lower Upper

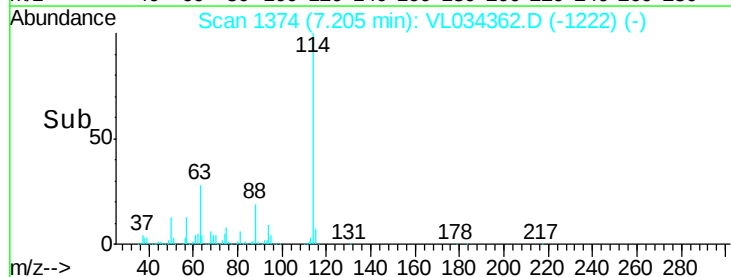
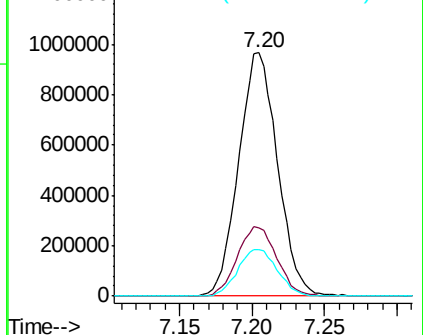
114 100

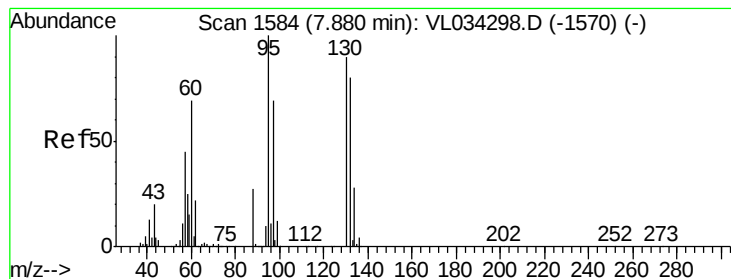
63 29.0 25.2 37.8

88 19.7 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: 1.408 ppbv

RT: 7.87 min Scan# 1581

Delta R.T. -0.01 min

Lab File: VL034362.D

Acq: 25 Oct 2019 13:48

Instrument :

MSVOA_L

ClientSampleId :

SV6DL

Tgt Ion:130 Resp: 97798

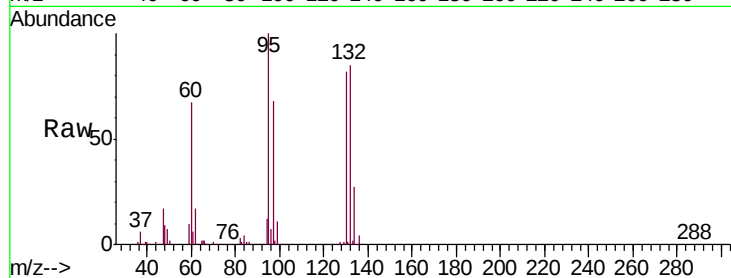
Ion Ratio Lower Upper

130 100

95 121.5 88.6 132.8

132 104.4 71.2 106.8

97 82.4 61.0 91.4

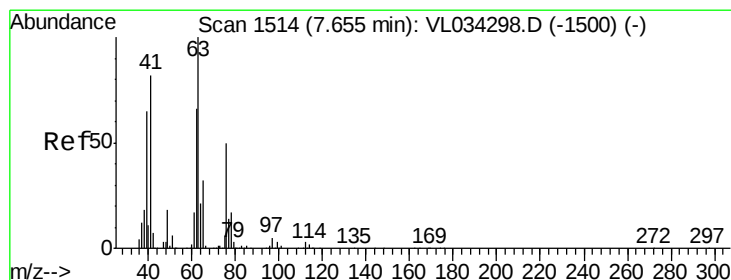
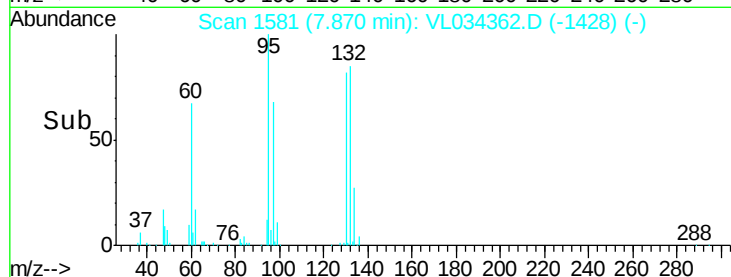
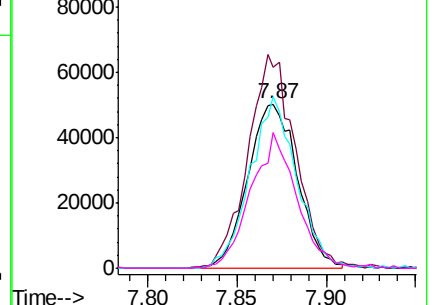


Abundance Ion 130.00 (129.70 to 130.70): V

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: 6.997 ppbv

RT: 7.20 min Scan# 1373

Delta R.T. -0.45 min

Lab File: VL034362.D

Acq: 25 Oct 2019 13:48

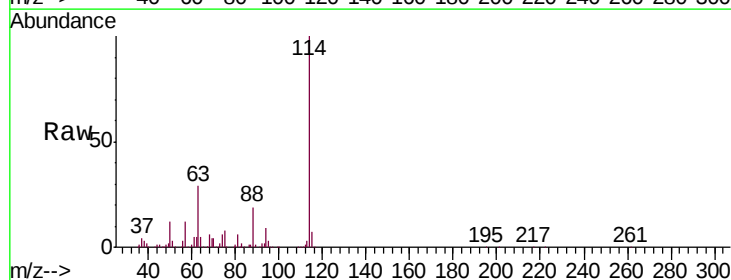
Tgt Ion: 63 Resp: 521643

Ion Ratio Lower Upper

63 100

41 0.0 65.6 98.4#

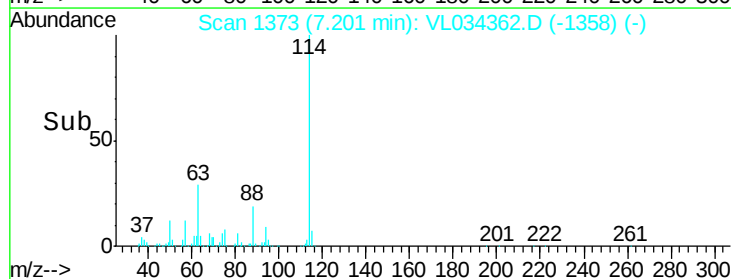
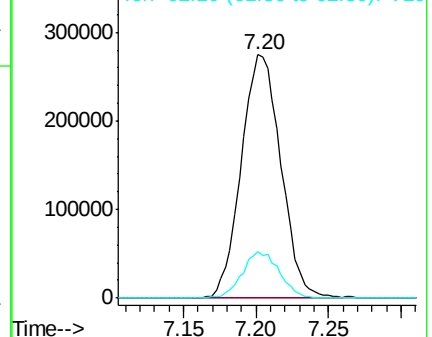
62 18.9 53.0 79.6#

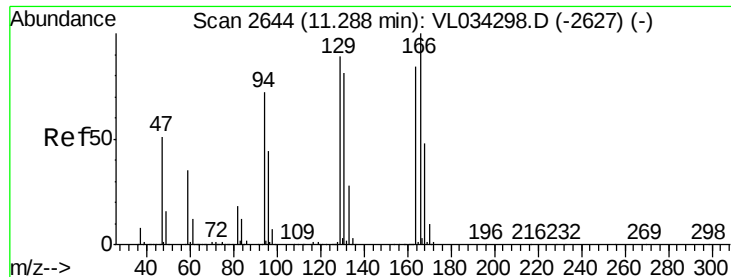


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#52

Tetrachloroethene

Concen: 16.255 ppbv

RT: 11.28 min Scan# 2642

Delta R.T. -0.01 min

Lab File: VL034362.D

Acq: 25 Oct 2019 13:48

Instrument :

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Tgt Ion:164 Resp: 1103136

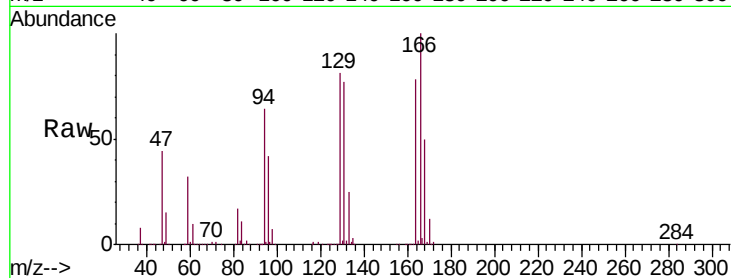
Ion Ratio Lower Upper

164 100

166 127.4 95.3 142.9

129 102.7 84.5 126.7

131 98.5 77.3 115.9

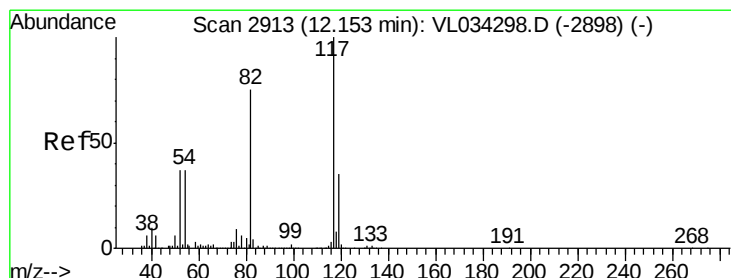
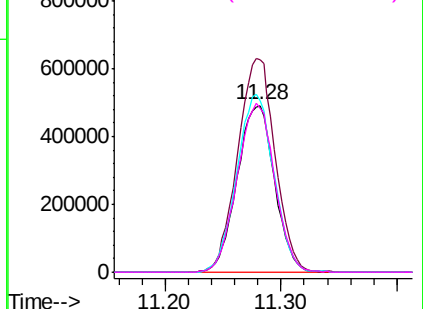
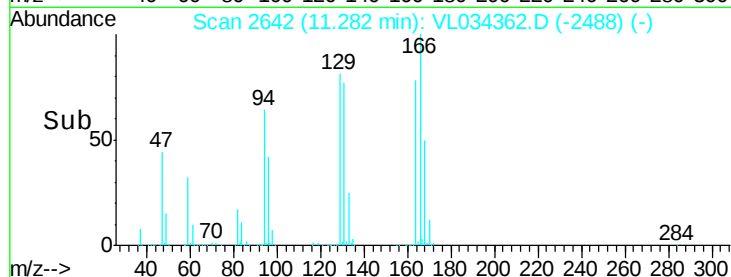


Abundance Ion 163.90 (163.60 to 164.60): V

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# 2910

Delta R.T. -0.01 min

Lab File: VL034362.D

Acq: 25 Oct 2019 13:48

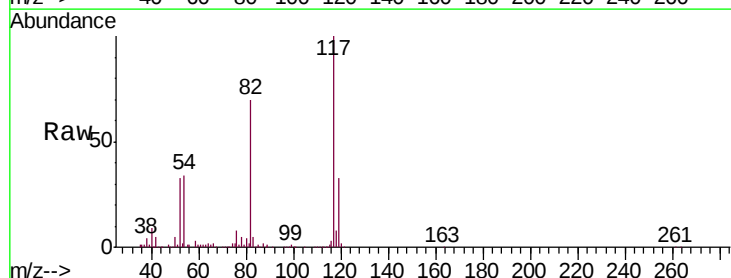
Tgt Ion:117 Resp: 1783796

Ion Ratio Lower Upper

117 100

82 71.3 55.5 83.3

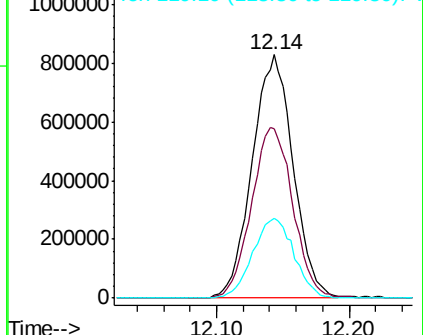
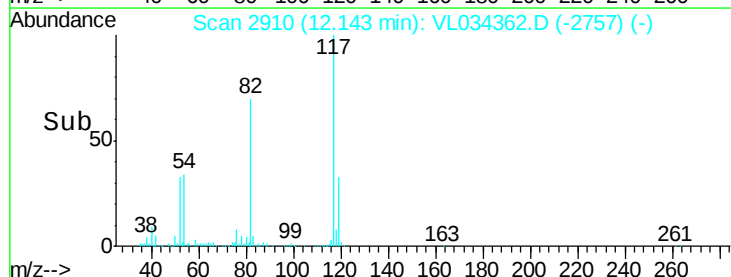
119 33.3 26.5 39.7

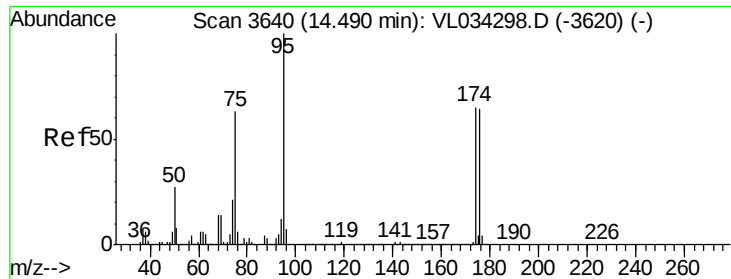


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.911 ppbv

RT: 14.48 min Scan# 3636

Delta R.T. -0.01 min

Lab File: VL034362.D

Acq: 25 Oct 2019 13:48

Instrument :

MSVOA_L

ClientSampleId :

SV6DL

Tgt Ion: 95 Resp: 1497271

Ion Ratio Lower Upper

95 100

174 67.0 52.6 78.8

175 4.6 3.8 5.6

