

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082320\
 Data File : VL035495.D
 Acq On : 23 Aug 2020 10:45
 Operator : SY/AP
 Sample : VSTDIC0.1
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Quant Time: Aug 23 12:02:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sun Aug 23 10:33:49 2020
 QLast Update : Sun Aug 23 10:33:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1019235	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4470717	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4500400	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3256742	10.34	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.40%

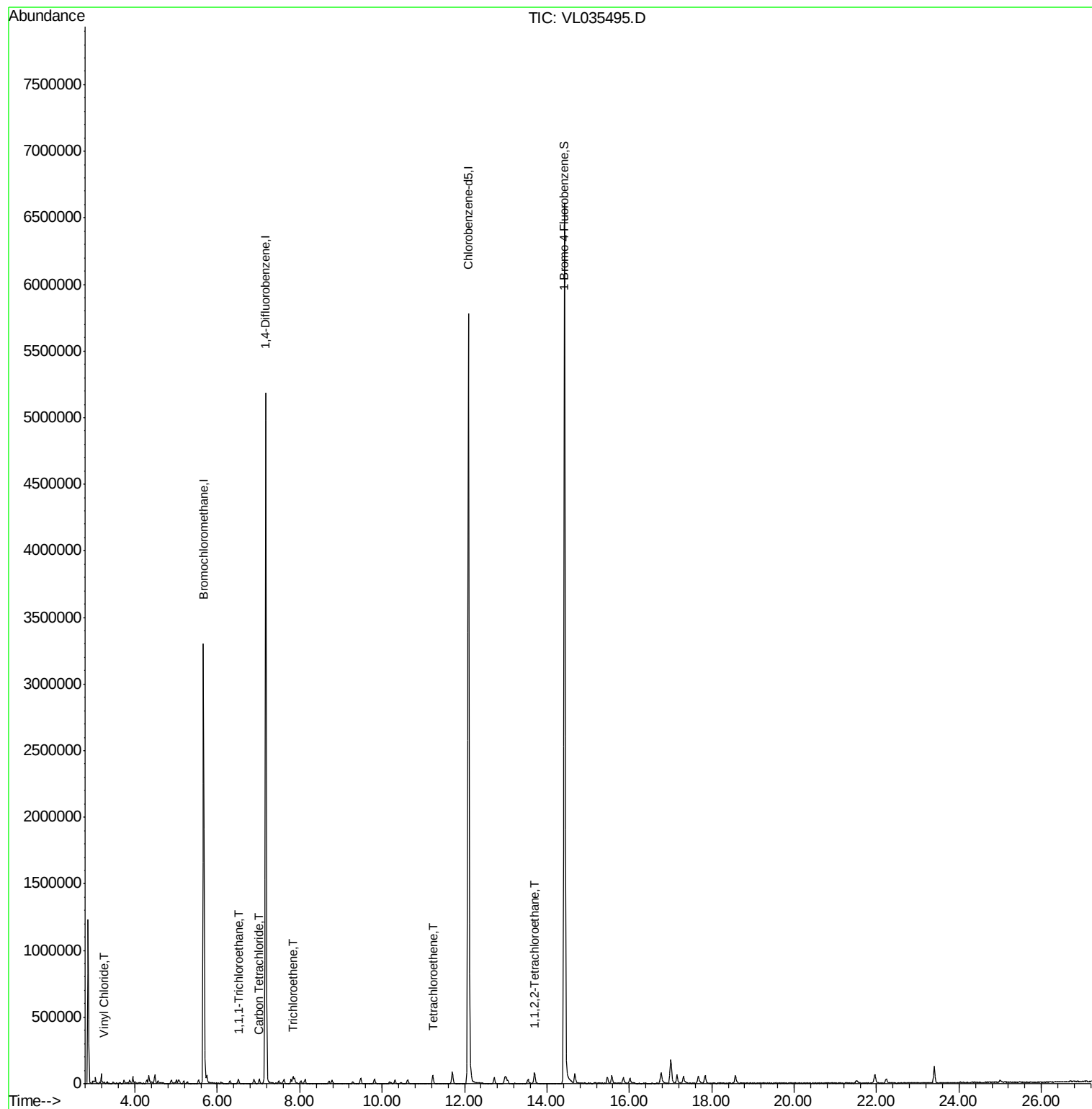
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.25	62	8048	0.101	ppbv #	86
32) 1,1,1-Trichloroethane	6.51	97	22182	0.091	ppbv	97
35) Carbon Tetrachloride	7.01	117	21226m	0.089	ppbv	
38) Trichloroethene	7.84	130	18016	0.099	ppbv #	88
52) Tetrachloroethene	11.23	164	18346	0.092	ppbv	92
63) 1,1,2,2-Tetrachloroethane	13.70	83	30510	0.095	ppbv	97

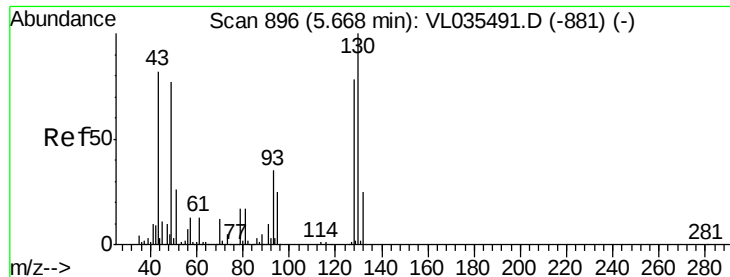
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL082320\
Data File : VL035495.D
Acq On : 23 Aug 2020 10:45
Operator : SY/AP
Sample : VSTDIC0.1
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Quant Time: Aug 23 12:02:21 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL082320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sun Aug 23 10:33:49 2020
QLast Update : Sun Aug 23 10:33:49 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.00 min

Lab File: VL035495.D

Acq: 23 Aug 2020 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

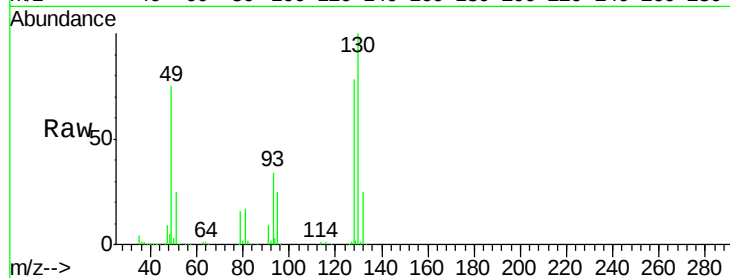
Tot Ion: 49 Resp: 1019235

Ion Ratio Lower Upper

49 100

128 101.5 51.6 154.9

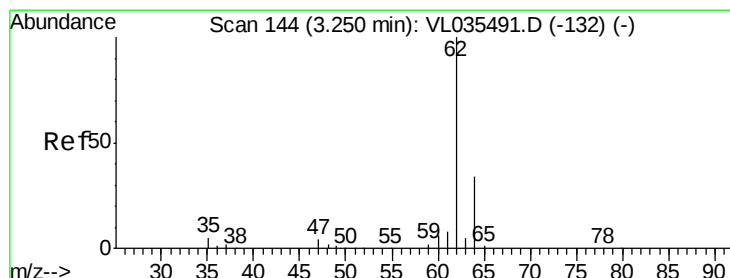
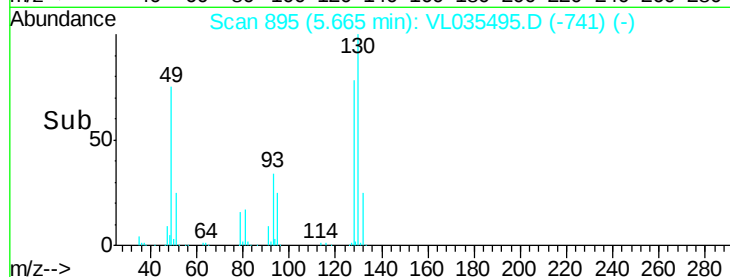
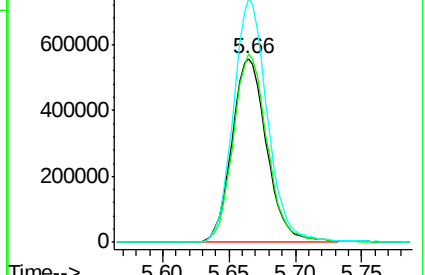
130 131.1 66.1 198.4



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



#5

Vinyl Chloride

Concen: 0.101 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.00 min

Lab File: VL035495.D

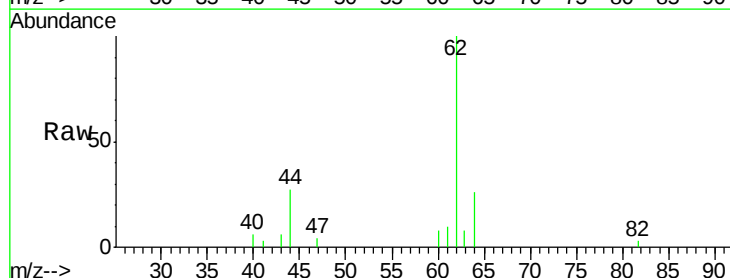
Acq: 23 Aug 2020 10:45

Tgt Ion: 62 Resp: 8048

Ion Ratio Lower Upper

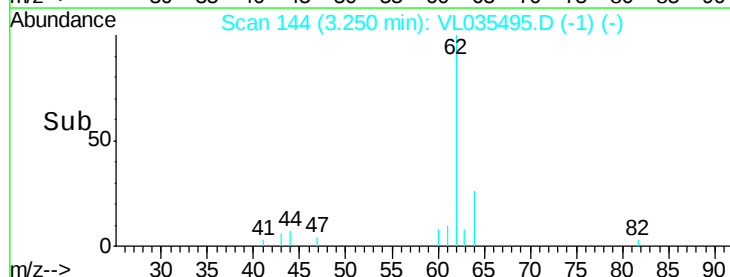
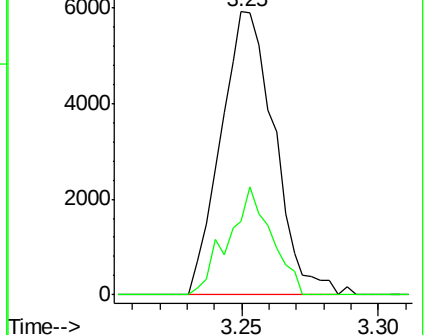
62 100

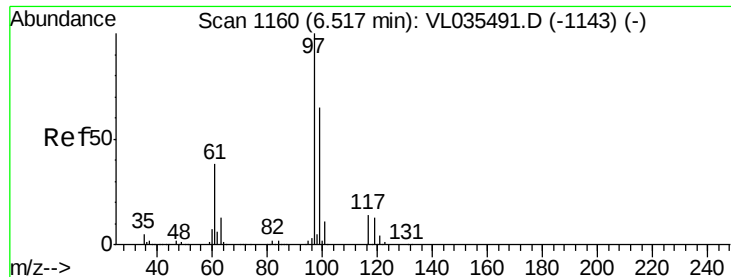
64 26.1 27.1 40.7#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#32

1,1,1-Trichloroethane

Concen: 0.091 ppbv

RT: 6.51 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VL035495.D

Acq: 23 Aug 2020 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

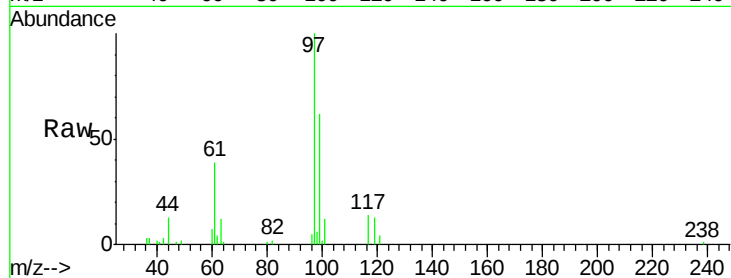
Tot Ion: 97 Resp: 22182

Ion Ratio Lower Upper

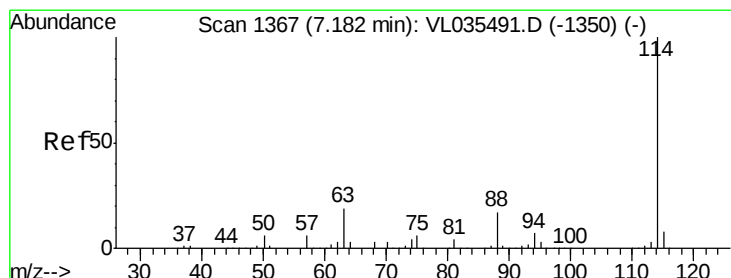
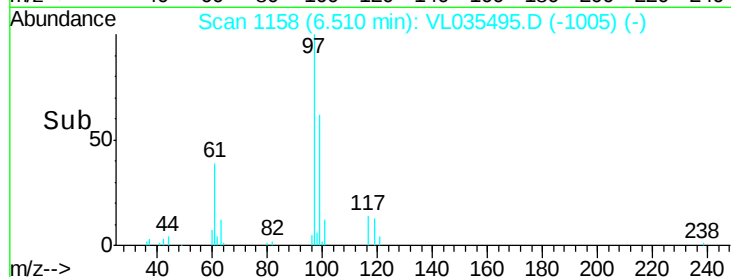
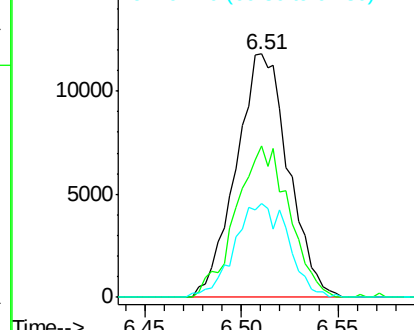
97 100

99 63.5 52.7 79.1

61 39.5 30.2 45.2



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: 7.18 min Scan# 1365

Delta R.T. -0.01 min

Lab File: VL035495.D

Acq: 23 Aug 2020 10:45

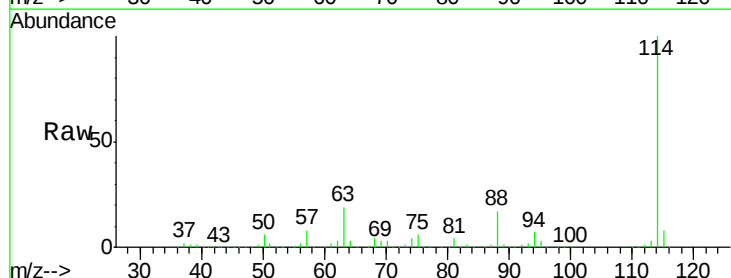
Tgt Ion: 114 Resp: 4470717

Ion Ratio Lower Upper

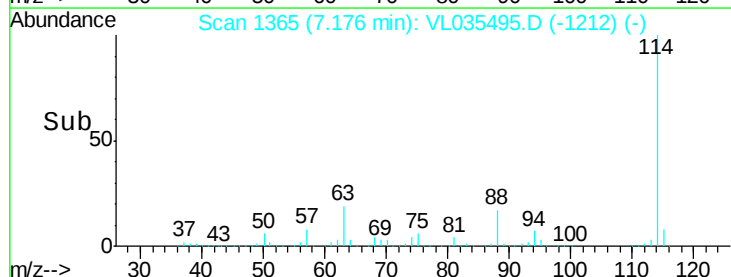
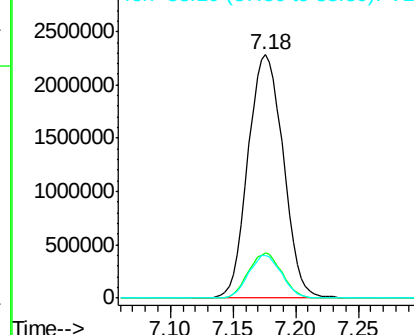
114 100

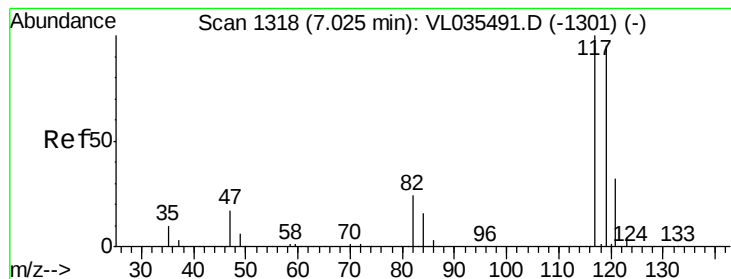
63 17.8 14.3 21.5

88 16.6 13.2 19.8



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





#35

Carbon Tetrachloride

Concen: 0.089 ppbv m

RT: 7.01 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VL035495.D

Acq: 23 Aug 2020 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

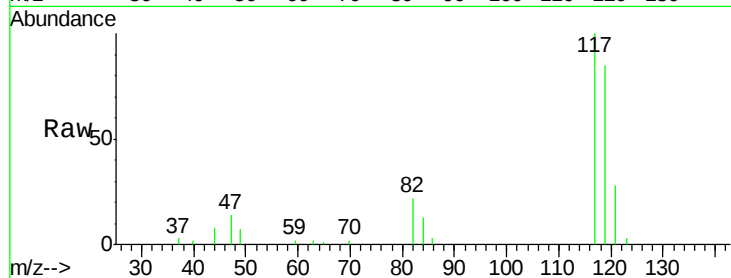
Tot Ion:117 Resp: 21226

Ion Ratio Lower Upper

117 100

119 85.2 75.6 113.4

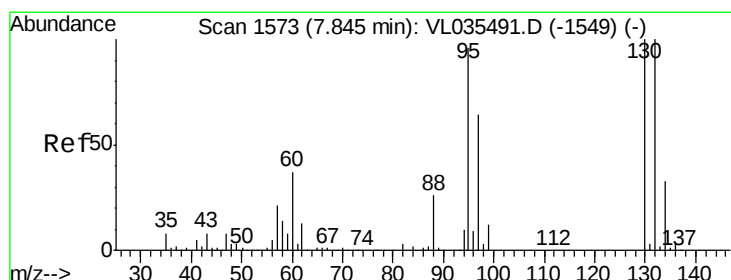
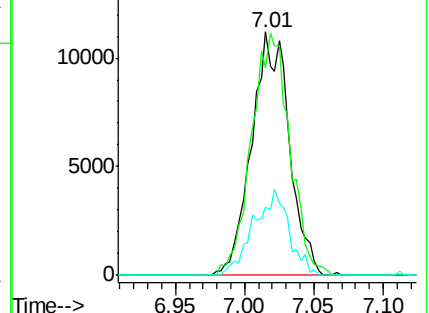
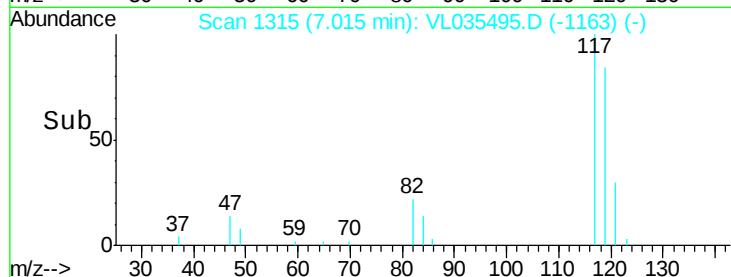
121 28.2 25.6 38.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#38

Trichloroethene

Concen: 0.099 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. -0.01 min

Lab File: VL035495.D

Acq: 23 Aug 2020 10:45

Tgt Ion:130 Resp: 18016

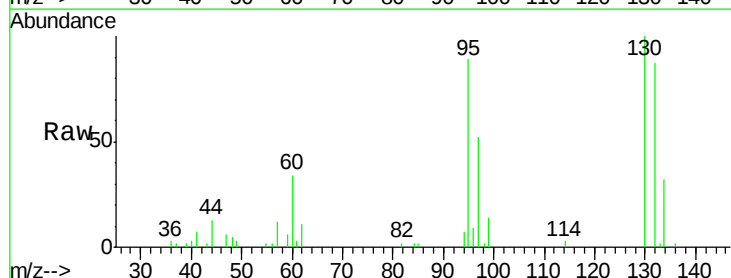
Ion Ratio Lower Upper

130 100

95 89.0 76.9 115.3

132 87.2 80.2 120.4

97 50.4 51.2 76.8#

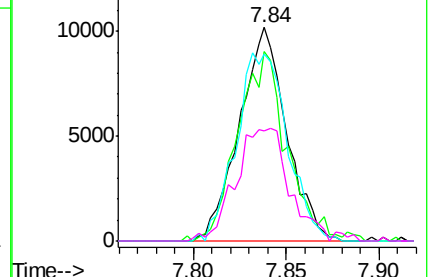
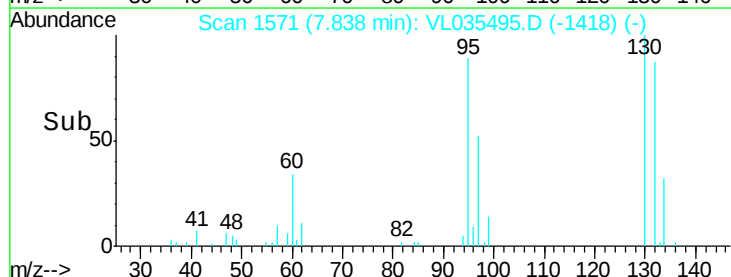


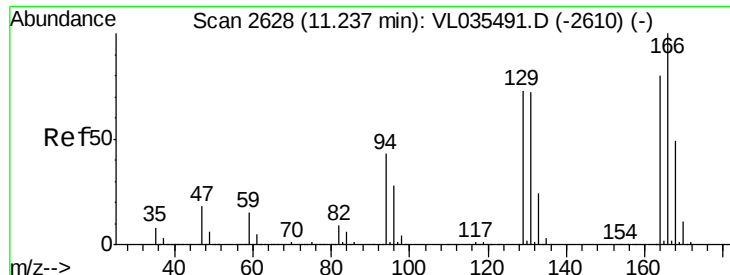
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): V

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): V





#52

Tetrachloroethene

Concen: 0.092 ppbv

RT: 11.23 min Scan# 2627

Delta R.T. -0.00 min

Lab File: VL035495.D

Acq: 23 Aug 2020 10:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion:164 Resp: 18346

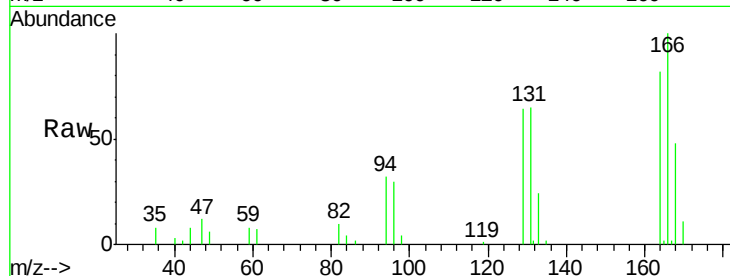
Ion Ratio Lower Upper

164 100

166 121.7 99.6 149.4

129 78.2 72.8 109.2

131 81.0 71.3 106.9

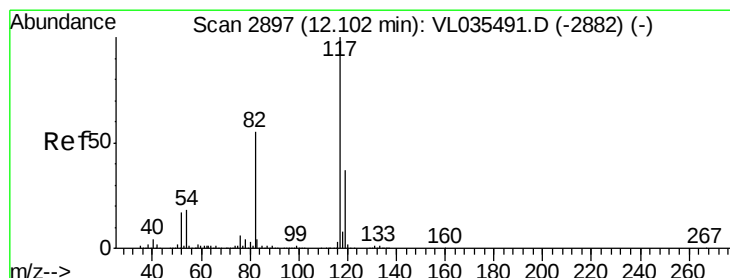
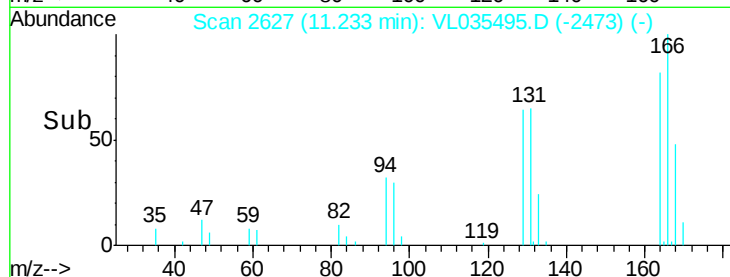
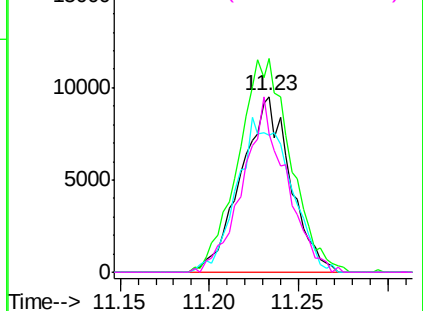


Abundance Ion 163.90 (163.60 to 164.60): V

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: 12.10 min Scan# 2895

Delta R.T. -0.01 min

Lab File: VL035495.D

Acq: 23 Aug 2020 10:45

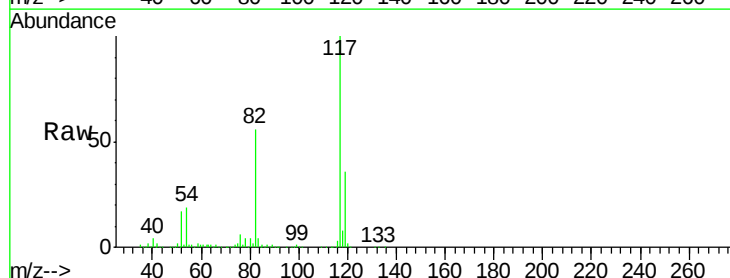
Tgt Ion:117 Resp: 4500400

Ion Ratio Lower Upper

117 100

82 53.7 43.9 65.9

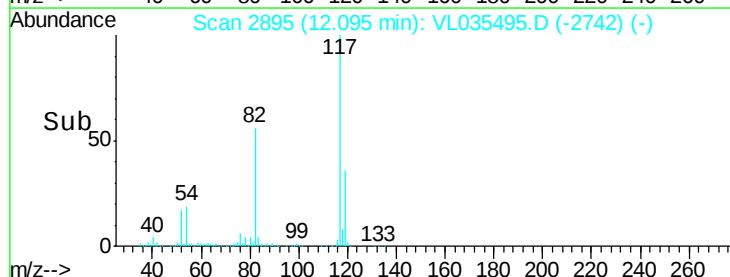
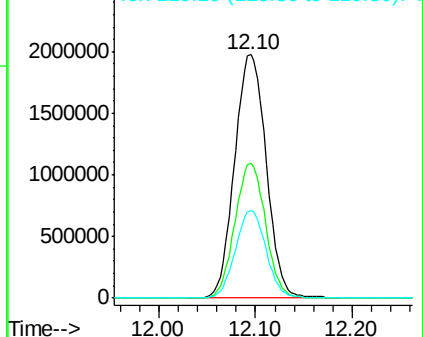
119 35.0 30.4 45.6

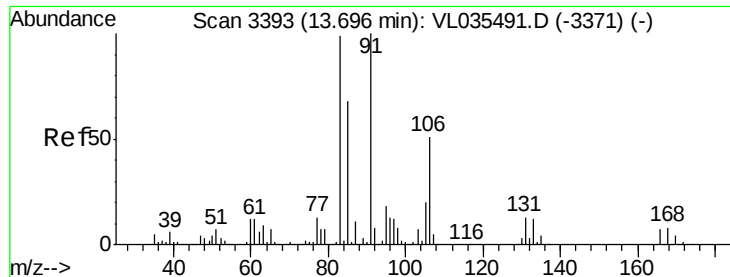


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V

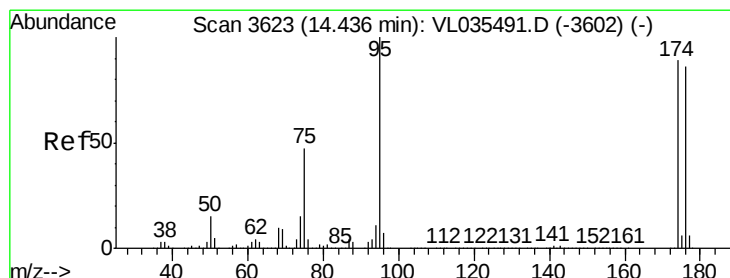
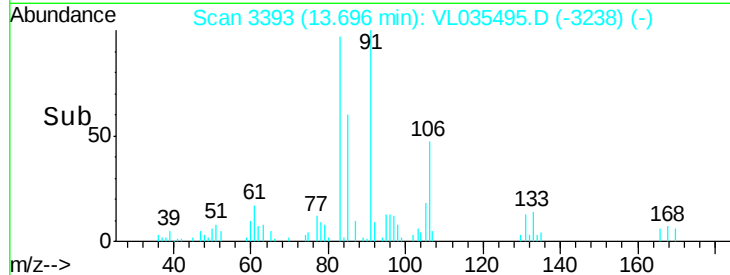
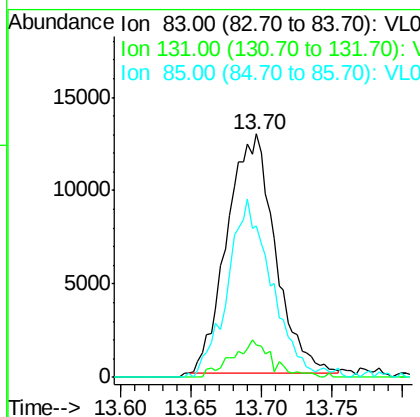
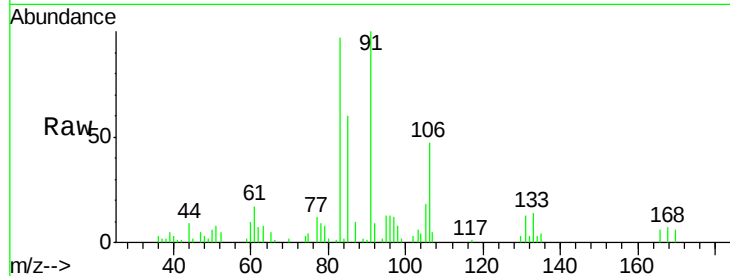




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.095 ppbv
 RT: 13.70 min Scan# 3393
 Delta R.T. -0.00 min
 Lab File: VL035495.D
 Acq: 23 Aug 2020 10:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tot Ion: 83 Resp: 30510
 Ion Ratio Lower Upper
 83 100
 131 13.1 6.2 18.4
 85 69.0 33.4 100.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.337 ppbv
 RT: 14.43 min Scan# 3621
 Delta R.T. -0.01 min
 Lab File: VL035495.D
 Acq: 23 Aug 2020 10:45

Tgt Ion: 95 Resp: 3256742
 Ion Ratio Lower Upper
 95 100
 174 91.0 70.9 106.3
 175 6.6 5.1 7.7

