

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082320\
 Data File : VL035501.D
 Acq On : 23 Aug 2020 16:40
 Operator : SY/AP
 Sample : L3510-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E053-1100

Quant Time: Aug 24 02:23:18 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 12:40:32 2020
 QLast Update : Sun Aug 23 12:40:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	912439	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4049359	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4011966	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2988348	10.42	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.20%

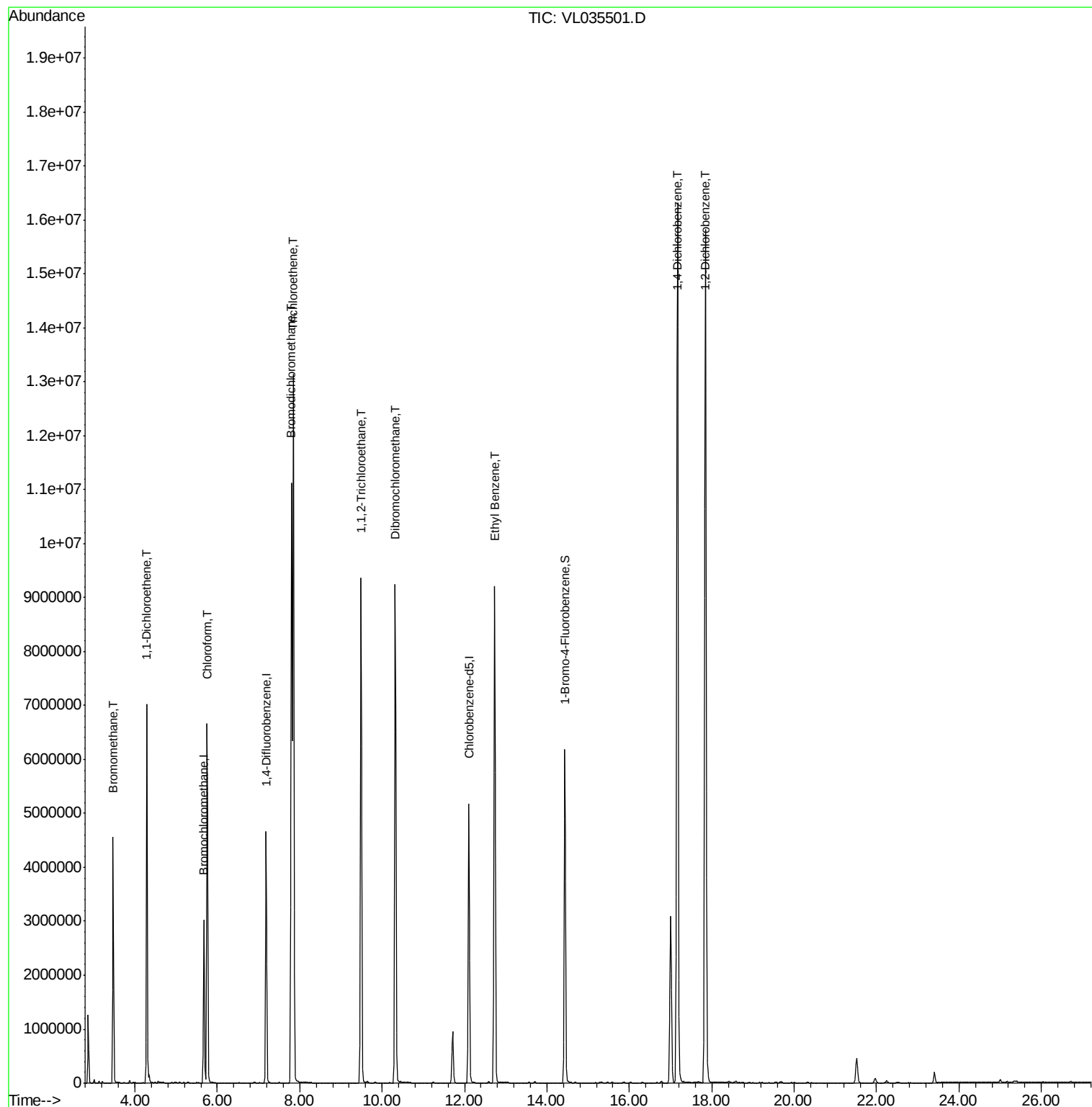
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
6) Bromomethane	3.47	94	2399438	41.360	ppbv	100
18) 1,1-Dichloroethene	4.29	96	2546937	31.861	ppbv	99
29) Chloroform	5.75	83	4747125	22.104	ppbv	92
38) Trichloroethene	7.85	130	4960770	33.710	ppbv	97
42) Bromodichloromethane	7.80	83	7694040	37.385	ppbv #	89
47) 1,1,2-Trichloroethane	9.49	97	3735584	28.033	ppbv	97
48) Dibromochloromethane	10.32	129	6341304	29.893	ppbv	96
58) Ethyl Benzene	12.73	91	8810805	20.455	ppbv #	84
76) 1,4-Dichlorobenzene	17.17	146	10150328	29.011	ppbv	88
77) 1,2-Dichlorobenzene	17.85	146	10010722	29.039	ppbv	90

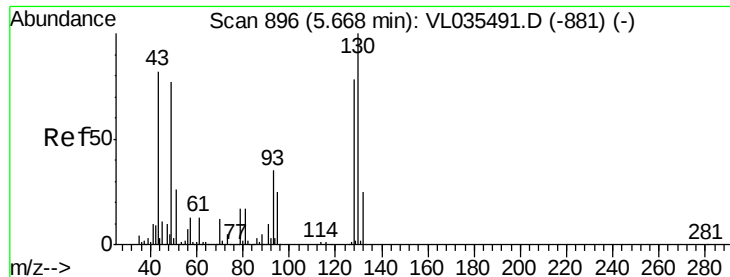
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL082320\
Data File : VL035501.D
Acq On : 23 Aug 2020 16:40
Operator : SY/AP
Sample : L3510-01
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
E053-1100

Quant Time: Aug 24 02:23:18 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 12:40:32 2020
QLast Update : Sun Aug 23 12:40:32 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.00 min

Lab File: VL035501.D

Acq: 23 Aug 2020 16:40

Instrument :

MSVOA_L

ClientSampleId :

E053-1100

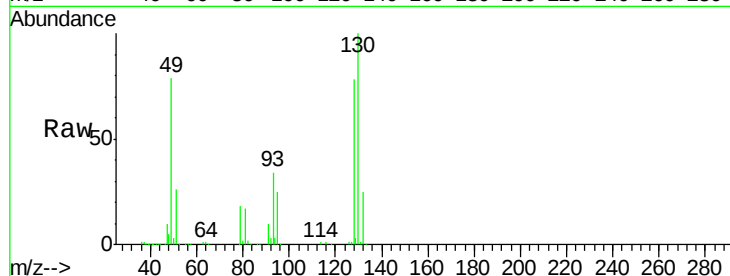
Tot Ion: 49 Resp: 912439

Ion Ratio Lower Upper

49 100

128 101.1 51.6 154.9

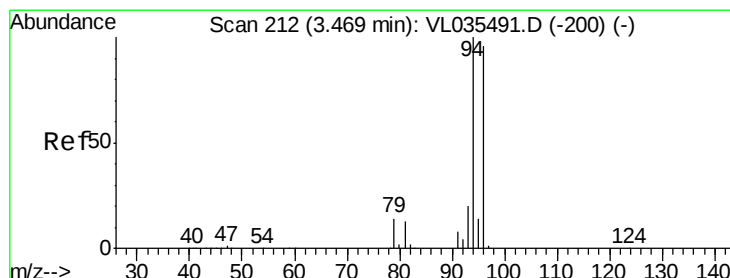
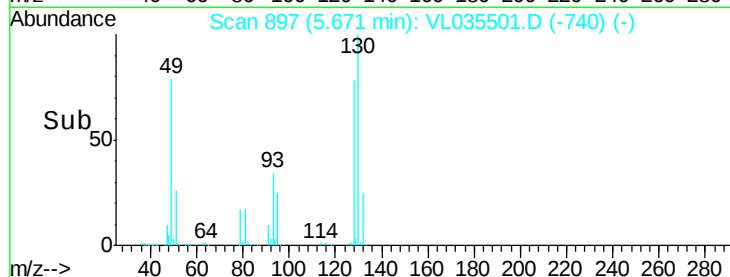
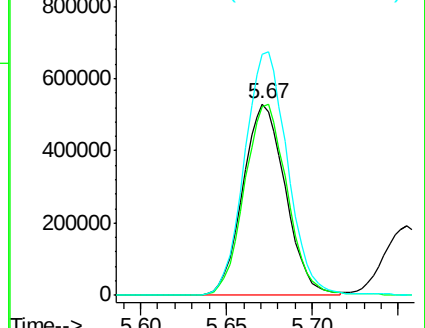
130 129.3 66.1 198.4



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



#6

Bromomethane

Concen: 41.360 ppbv

RT: 3.47 min Scan# 213

Delta R.T. 0.00 min

Lab File: VL035501.D

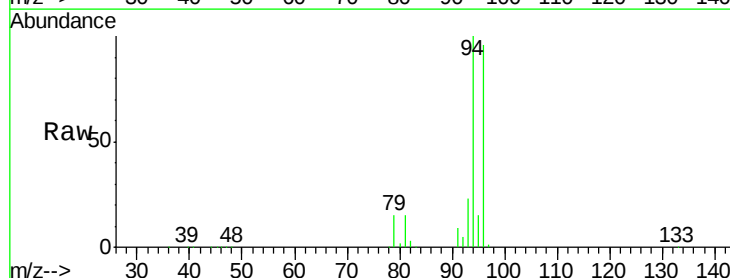
Acq: 23 Aug 2020 16:40

Tgt Ion: 94 Resp: 2399438

Ion Ratio Lower Upper

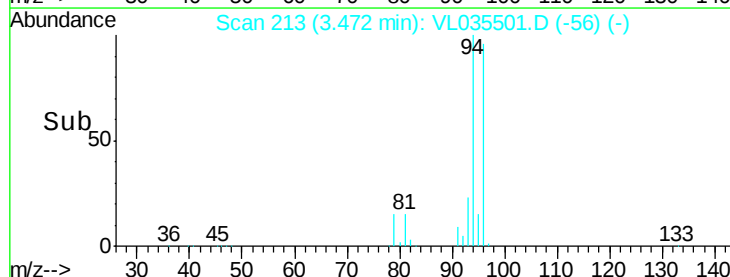
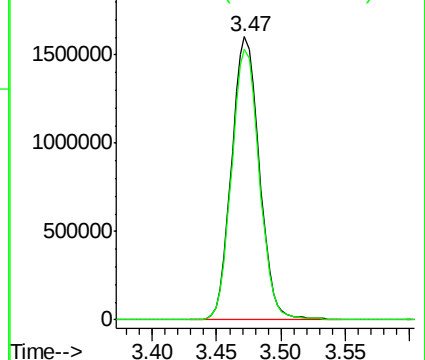
94 100

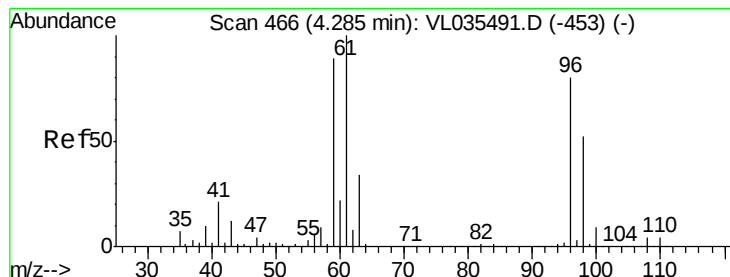
96 95.8 76.6 115.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#18

1,1-Dichloroethene

Concen: 31.861 ppbv

RT: 4.29 min Scan# 467

Delta R.T. 0.00 min

Lab File: VL035501.D

Acq: 23 Aug 2020 16:40

Instrument :

MSVOA_L

ClientSampleId :

E053-1100

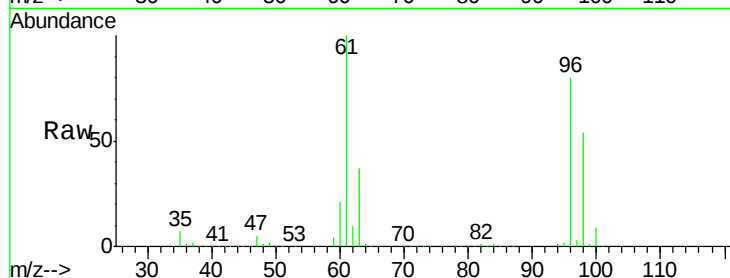
Tot Ion: 96 Resp: 2546937

Ion Ratio Lower Upper

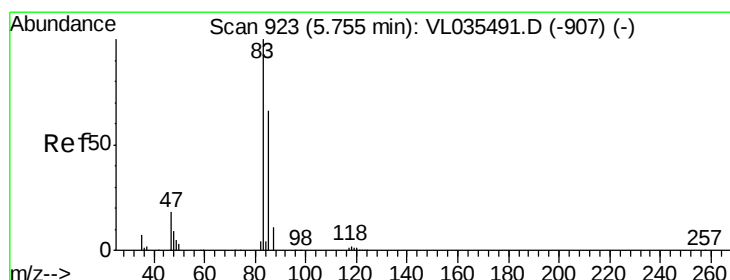
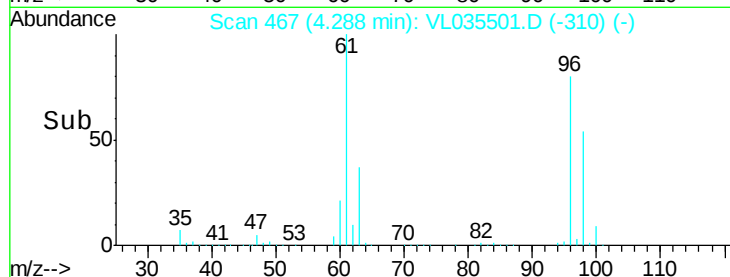
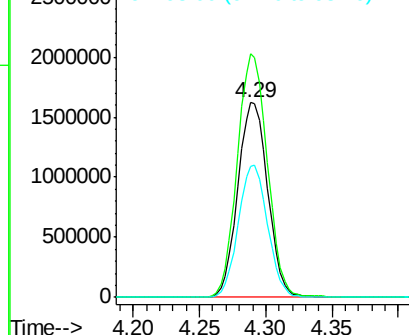
96 100

61 125.2 99.9 149.9

98 67.6 52.2 78.4



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0



#29

Chloroform

Concen: 22.104 ppbv

RT: 5.75 min Scan# 923

Delta R.T. 0.00 min

Lab File: VL035501.D

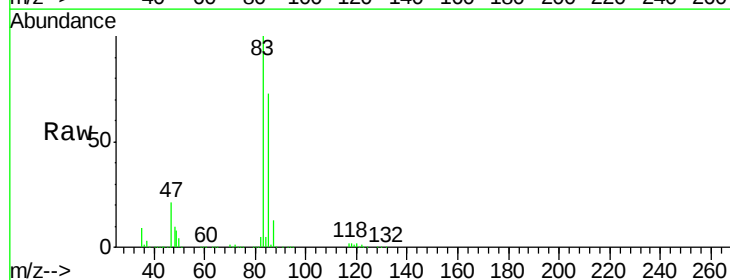
Acq: 23 Aug 2020 16:40

Tgt Ion: 83 Resp: 4747125

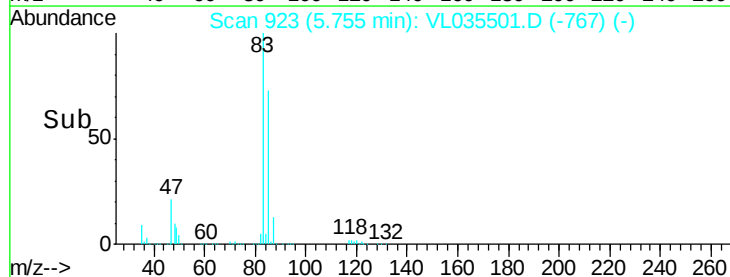
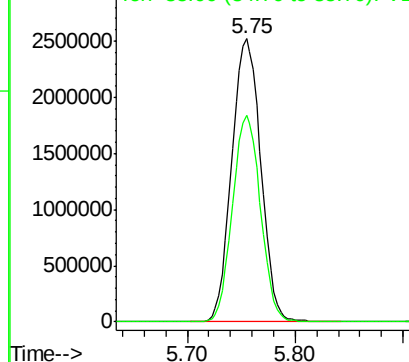
Ion Ratio Lower Upper

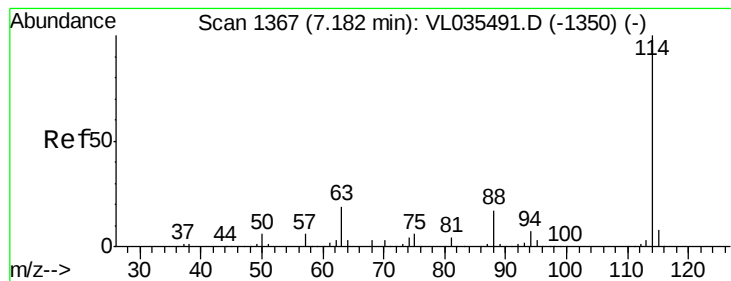
83 100

85 73.1 53.1 79.7



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VL035501.D

Acq: 23 Aug 2020 16:40

Instrument :

MSVOA_L

ClientSampled :

E053-1100

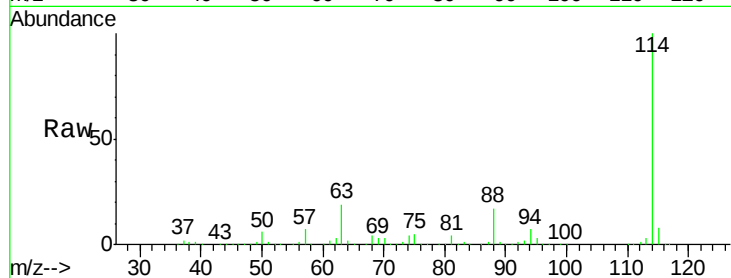
Tot Ion:114 Resp: 4049359

Ion Ratio Lower Upper

114 100

63 17.5 14.3 21.5

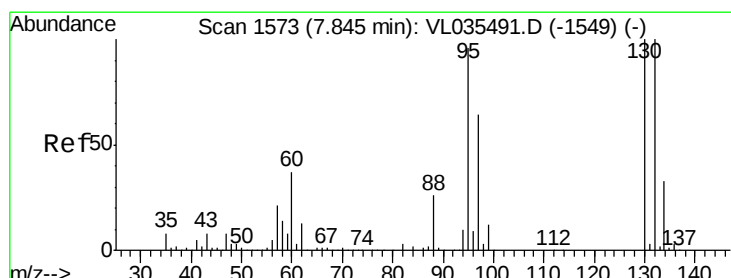
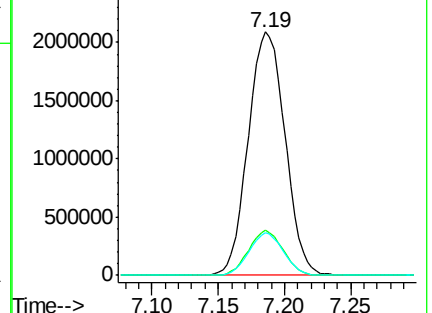
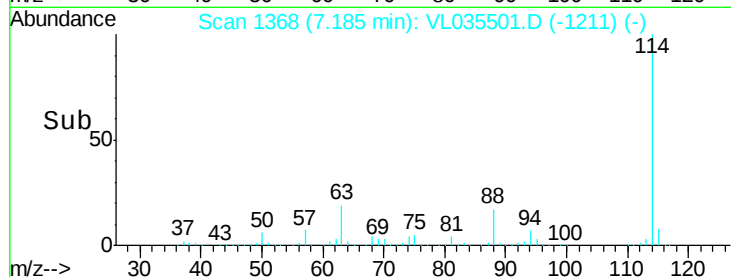
88 16.5 13.2 19.8



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



#38

Trichloroethene

Concen: 33.710 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VL035501.D

Acq: 23 Aug 2020 16:40

Tgt Ion:130 Resp: 4960770

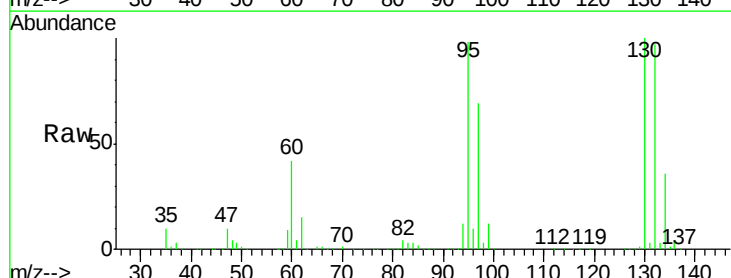
Ion Ratio Lower Upper

130 100

95 97.5 76.9 115.3

132 96.8 80.2 120.4

97 68.7 51.2 76.8

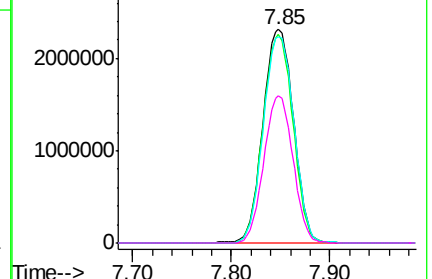
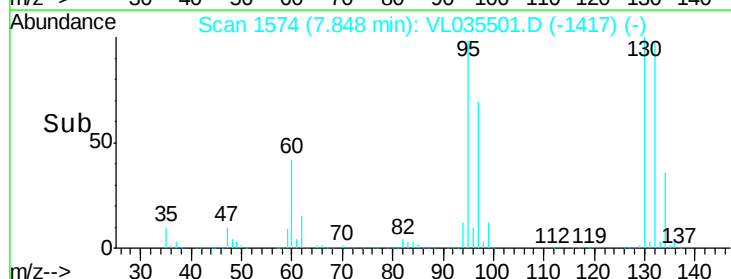


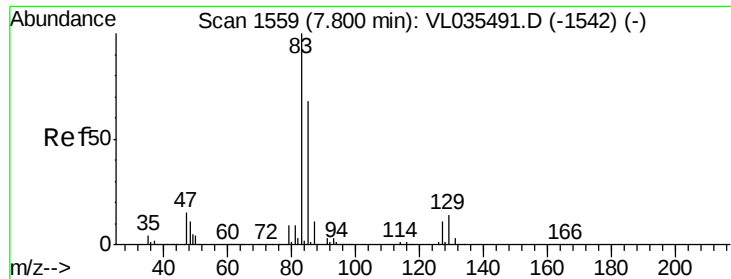
Abundance Ion 130.00 (129.70 to 130.70): V

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





#42

Bromodichloromethane

Concen: 37.385 ppbv

RT: 7.80 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VL035501.D

Acq: 23 Aug 2020 16:40

Instrument :

MSVOA_L

ClientSampleId :

E053-1100

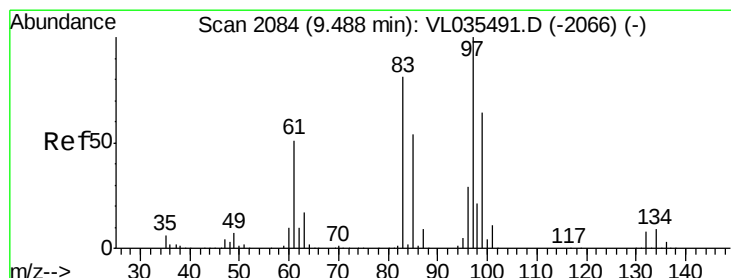
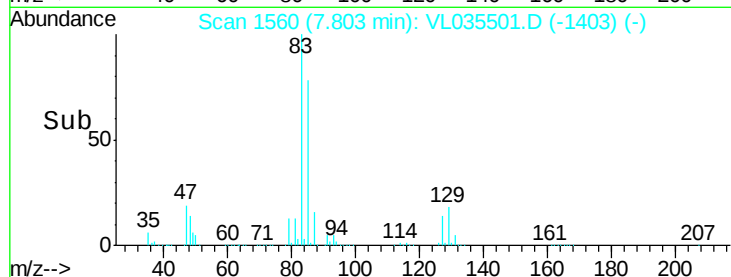
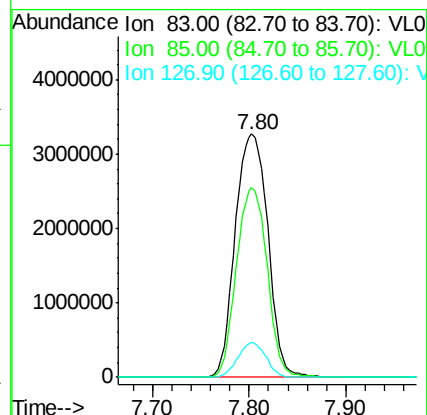
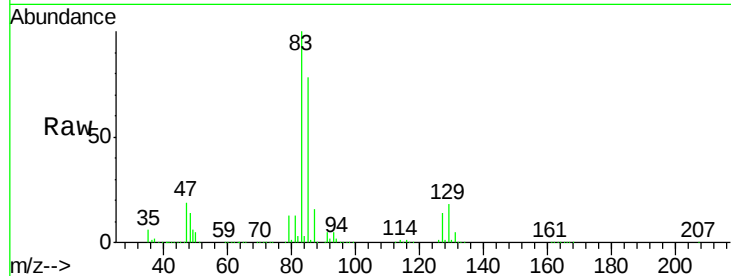
Tot Ion: 83 Resp: 7694040

Ion Ratio Lower Upper

83 100

85 77.8 54.8 82.2

127 14.3 8.6 13.0#



#47

1,1,2-Trichloroethane

Concen: 28.033 ppbv

RT: 9.49 min Scan# 2085

Delta R.T. 0.00 min

Lab File: VL035501.D

Acq: 23 Aug 2020 16:40

Tgt Ion: 97 Resp: 3735584

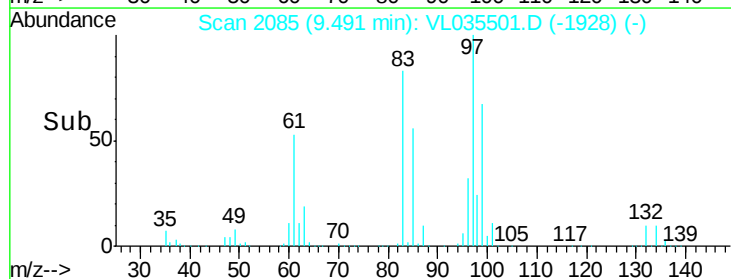
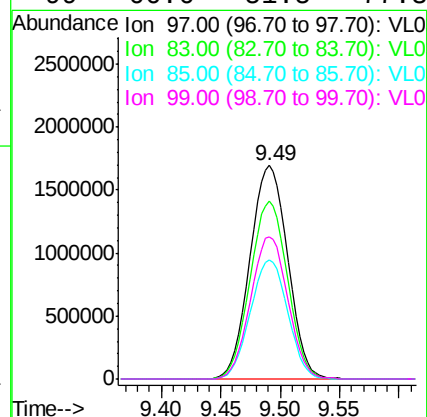
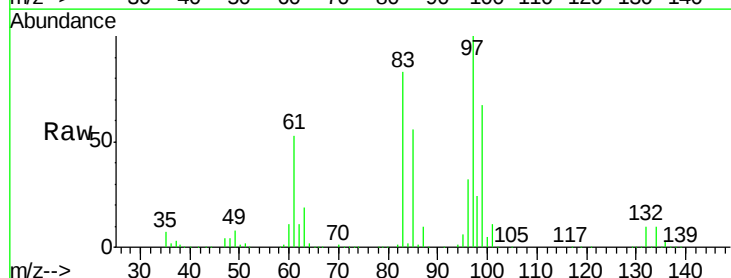
Ion Ratio Lower Upper

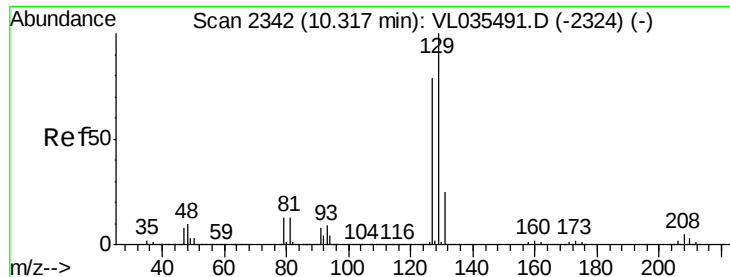
97 100

83 83.1 64.9 97.3

85 55.9 43.1 64.7

99 66.6 51.5 77.3





#48

Dibromochloromethane

Concen: 29.893 ppbv

RT: 10.32 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VL035501.D

Acq: 23 Aug 2020 16:40

Instrument :

MSVOA_L

ClientSampleId :

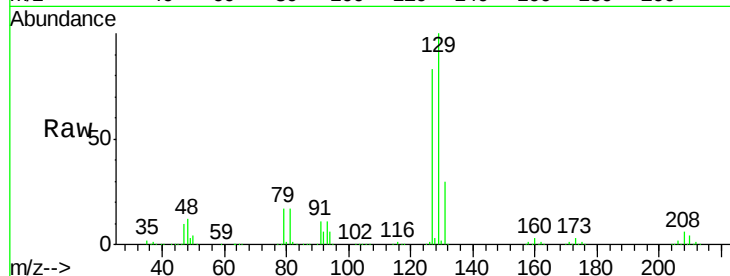
E053-1100

Tot Ion:129 Resp: 6341304

Ion Ratio Lower Upper

129 100

127 81.5 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.32

2500000

2000000

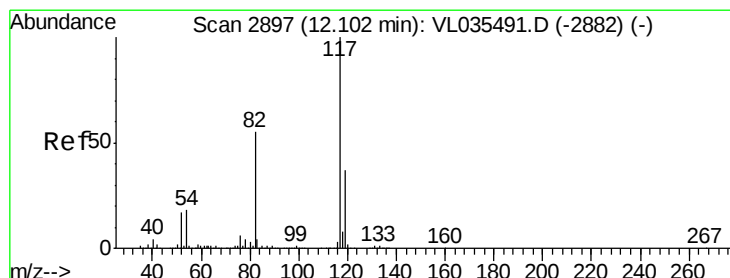
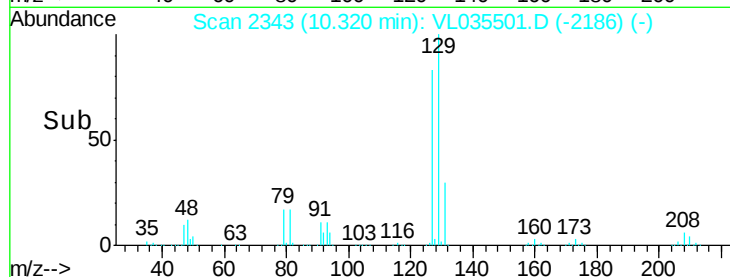
1500000

1000000

500000

0

Time-->



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VL035501.D

Acq: 23 Aug 2020 16:40

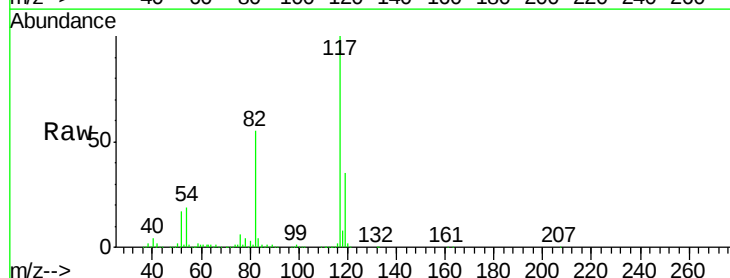
Tgt Ion:117 Resp: 4011966

Ion Ratio Lower Upper

117 100

82 53.9 43.9 65.9

119 34.6 30.4 45.6



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V

2500000

2000000

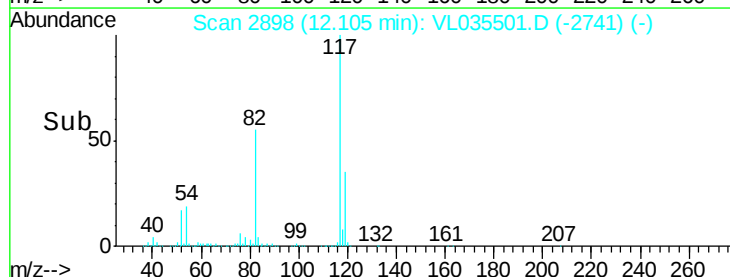
1500000

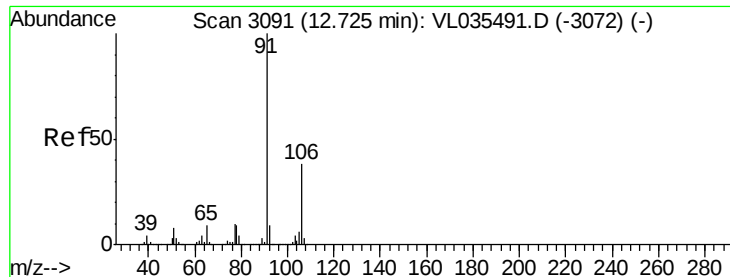
1000000

500000

0

Time-->





#58

Ethyl Benzene

Concen: 20.455 ppbv

RT: 12.73 min Scan# 3093

Delta R.T. 0.01 min

Lab File: VL035501.D

Acq: 23 Aug 2020 16:40

Instrument :

MSVOA_L

ClientSampleId :

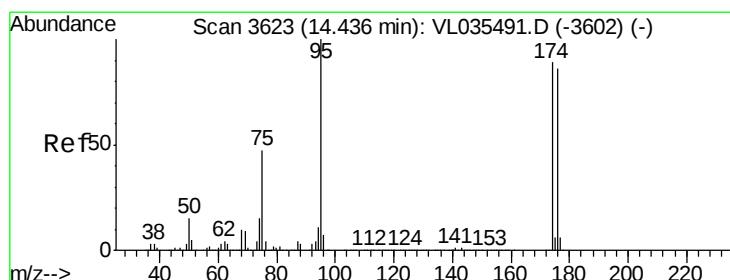
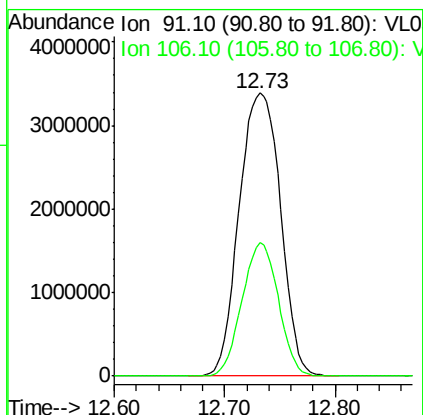
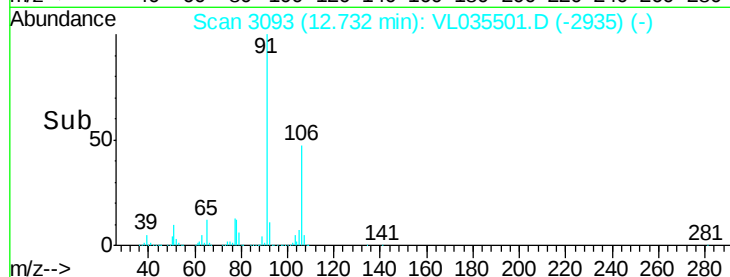
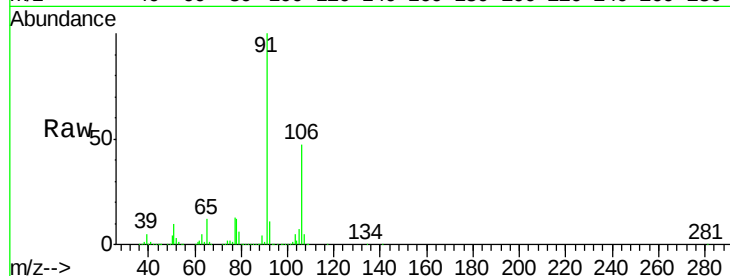
E053-1100

Tot Ion: 91 Resp: 8810805

Ion Ratio Lower Upper

91 100

106 47.2 30.2 45.2#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.423 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VL035501.D

Acq: 23 Aug 2020 16:40

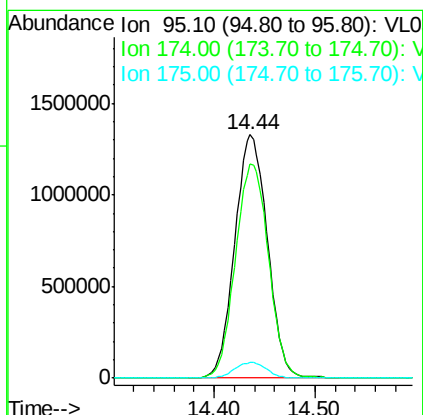
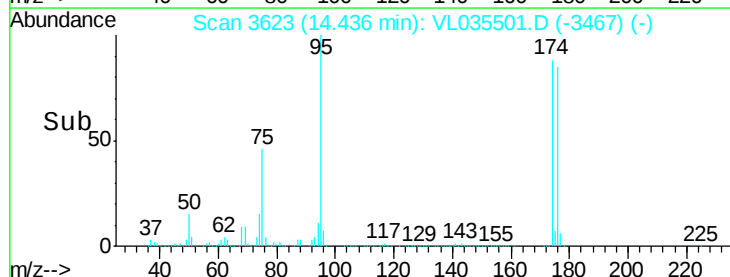
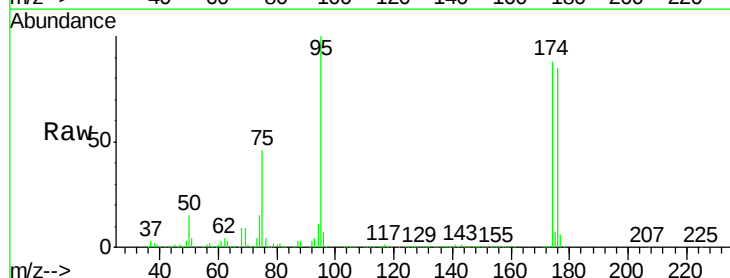
Tgt Ion: 95 Resp: 2988348

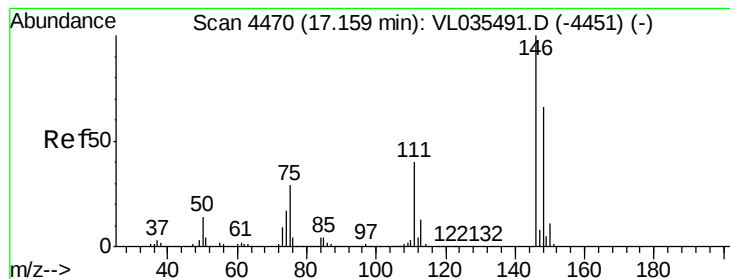
Ion Ratio Lower Upper

95 100

174 89.6 70.9 106.3

175 6.5 5.1 7.7





#76

1,4-Dichlorobenzene

Concen: 29.011 ppbv

RT: 17.17 min Scan# 4473

Delta R.T. 0.01 min

Lab File: VL035501.D

Acq: 23 Aug 2020 16:40

Instrument :

MSVOA_L

ClientSampleId :

E053-1100

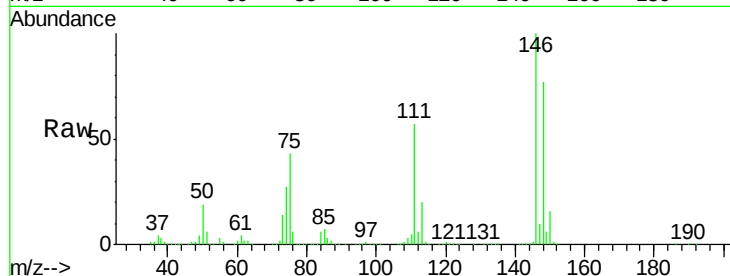
Tot Ion:146 Resp:10150328

Ion Ratio Lower Upper

146 100

111 48.8 19.6 58.8

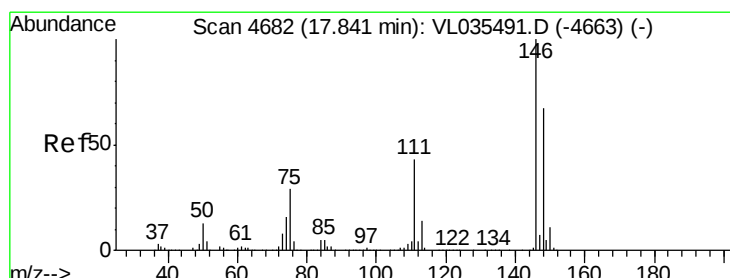
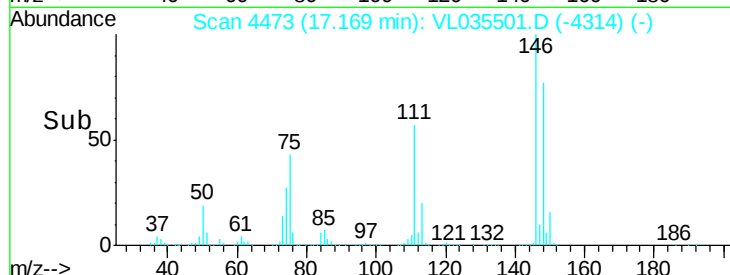
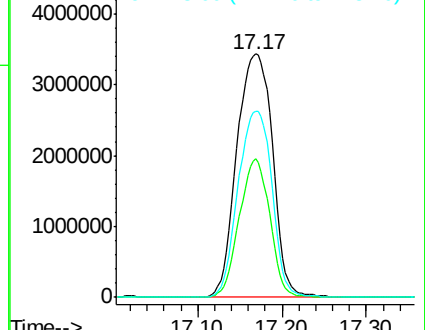
148 72.6 32.8 98.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#77

1,2-Dichlorobenzene

Concen: 29.039 ppbv

RT: 17.85 min Scan# 4684

Delta R.T. 0.01 min

Lab File: VL035501.D

Acq: 23 Aug 2020 16:40

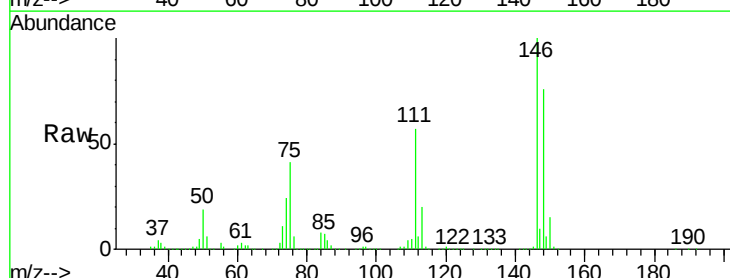
Tgt Ion:146 Resp:10010722

Ion Ratio Lower Upper

146 100

111 50.8 21.0 63.0

148 72.3 33.0 98.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

