

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081720\
 Data File : VL035437.D
 Acq On : 18 Aug 2020 9:22
 Operator : SY/AP
 Sample : L3510-01DL 4X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E053-1100DL

Quant Time: Aug 19 17:02:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 19:28:30 2020
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1134280	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	5184479	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	5117544	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3729620	10.41	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.10%

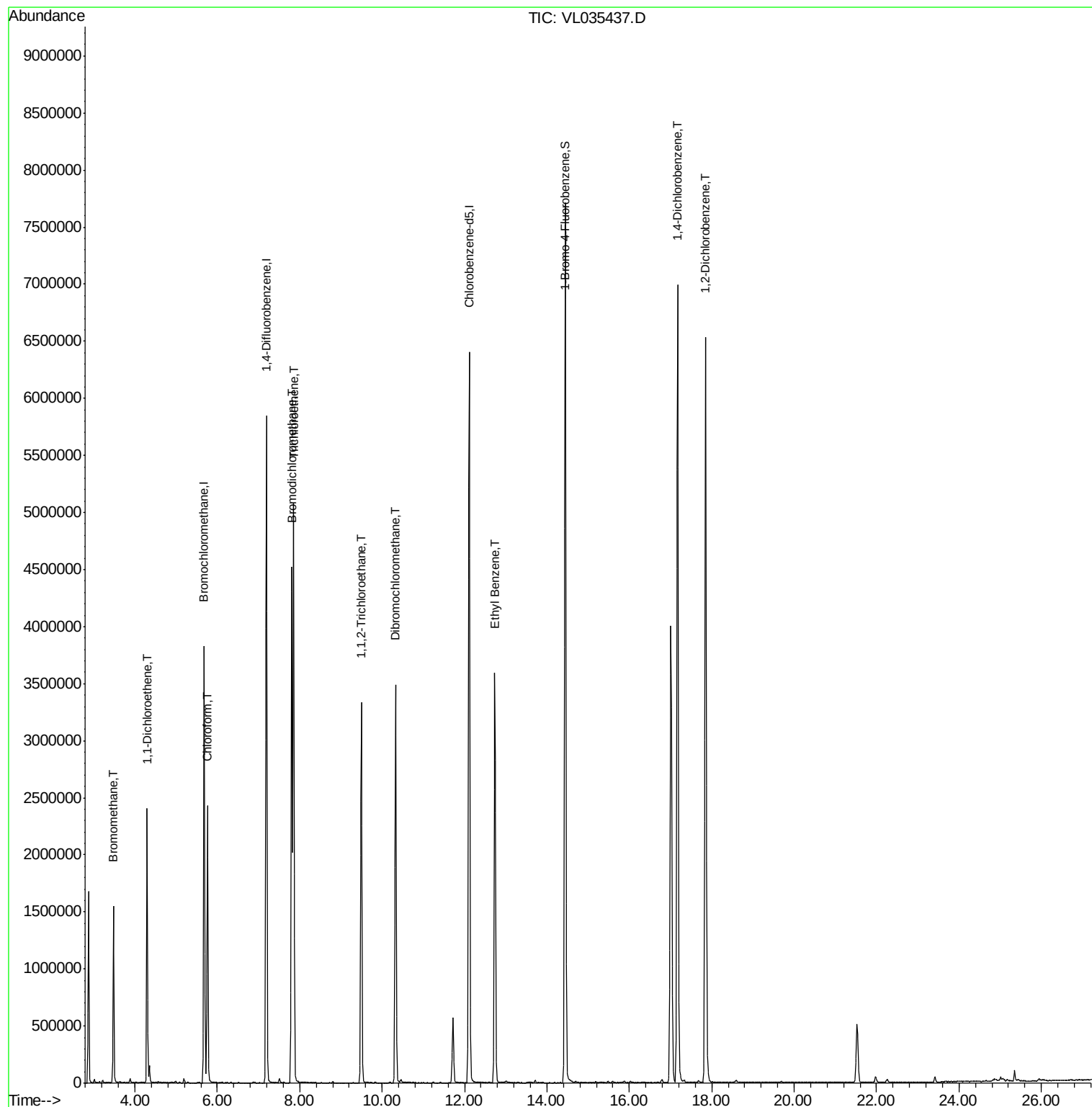
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
6) Bromomethane	3.48	94	817358	10.555	ppbv	99
18) 1,1-Dichloroethene	4.29	96	858802	7.913	ppbv #	60
29) Chloroform	5.76	83	1716883	5.960	ppbv	99
38) Trichloroethene	7.85	130	1920074	9.071	ppbv #	82
42) Bromodichloromethane	7.81	83	3095523	10.638	ppbv #	98
47) 1,1,2-Trichloroethane	9.49	97	1317158	7.032	ppbv	92
48) Dibromochloromethane	10.33	129	2362555	7.519	ppbv	99
58) Ethyl Benzene	12.73	91	3535876	5.724	ppbv #	87
76) 1,4-Dichlorobenzene	17.17	146	4604642	8.983	ppbv	91
77) 1,2-Dichlorobenzene	17.85	146	4441180	8.718	ppbv	91

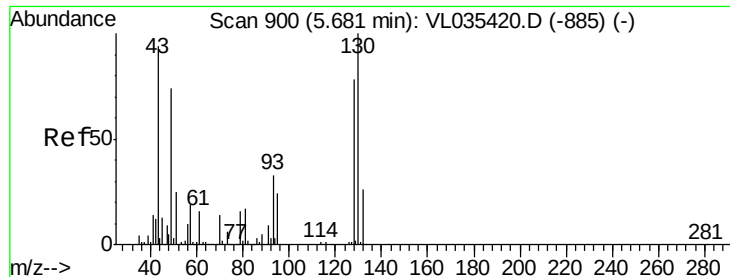
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Aug 17 19:28:30 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.00 min

Lab File: VL035437.D

Acq: 18 Aug 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

E053-1100DL

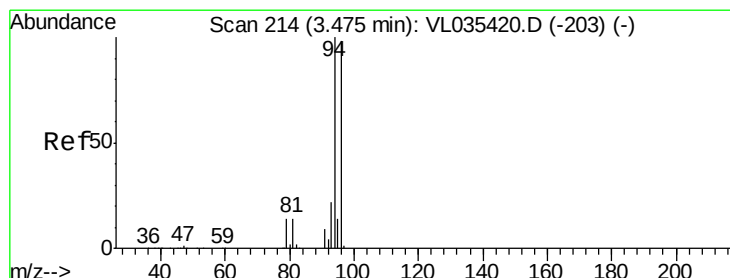
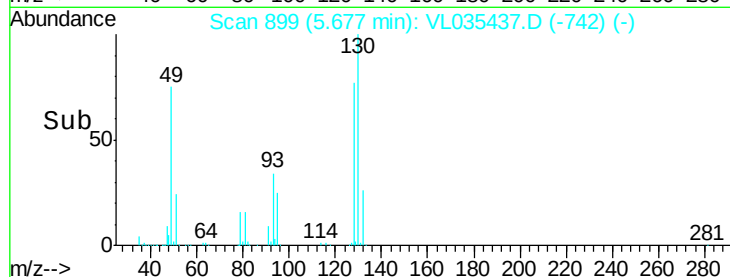
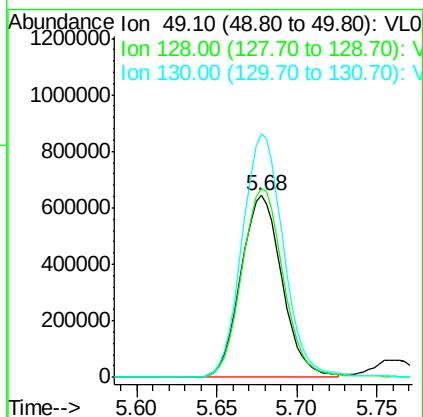
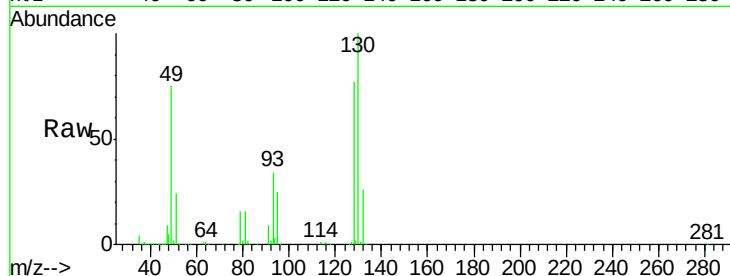
Tot Ion: 49 Resp: 1134280

Ion Ratio Lower Upper

49 100

128 105.7 20.9 62.7#

130 135.9 26.7 80.1#



#6

Bromomethane

Concen: 10.555 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.01 min

Lab File: VL035437.D

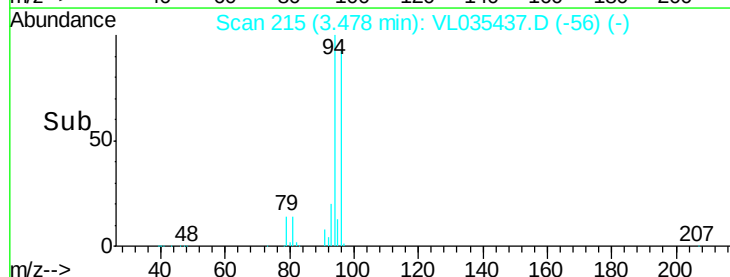
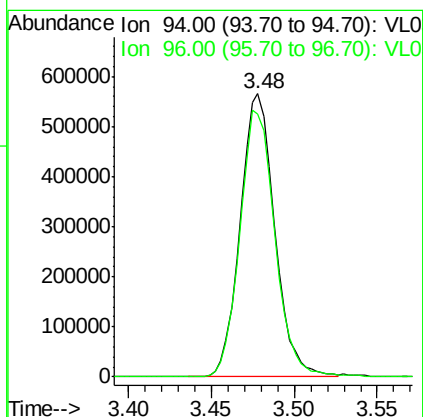
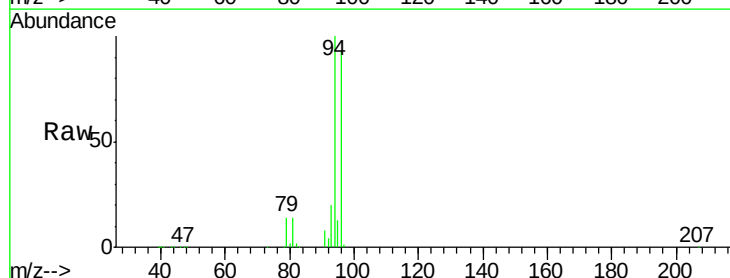
Acq: 18 Aug 2020 9:22

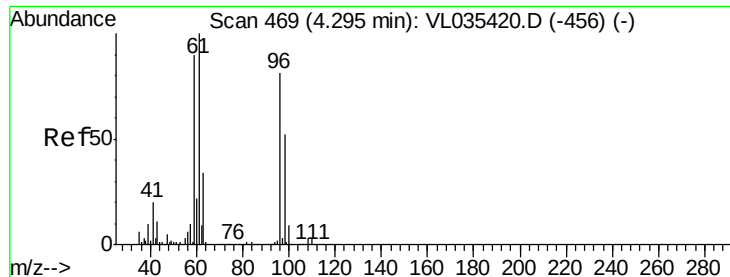
Tgt Ion: 94 Resp: 817358

Ion Ratio Lower Upper

94 100

96 92.9 75.0 112.6

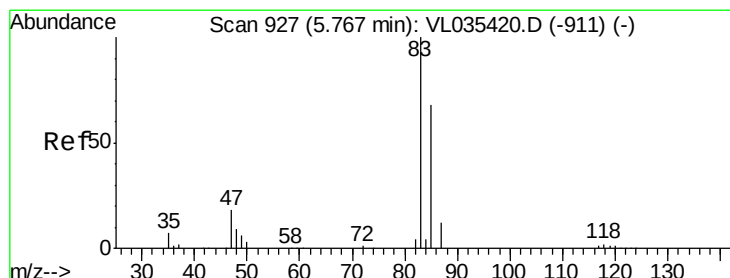
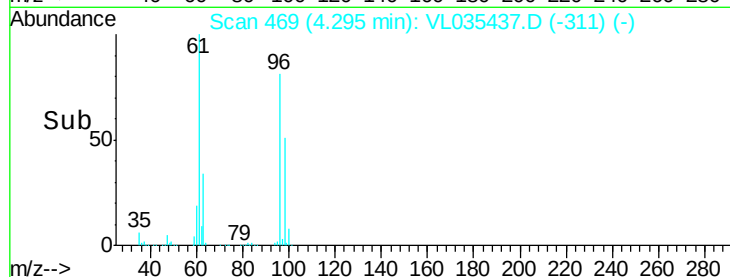
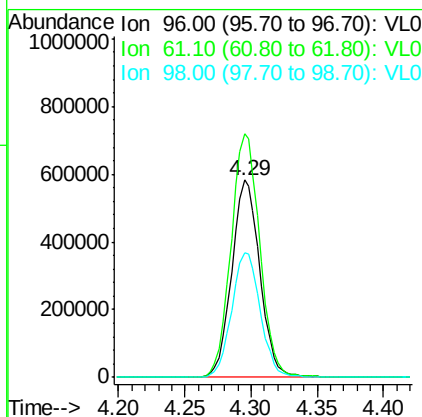
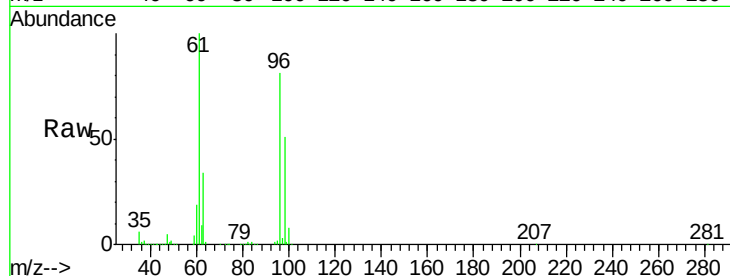




#18
 1,1-Dichloroethene
 Concen: 7.913 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T. 0.01 min
 Lab File: VL035437.D
 Acq: 18 Aug 2020 9:22

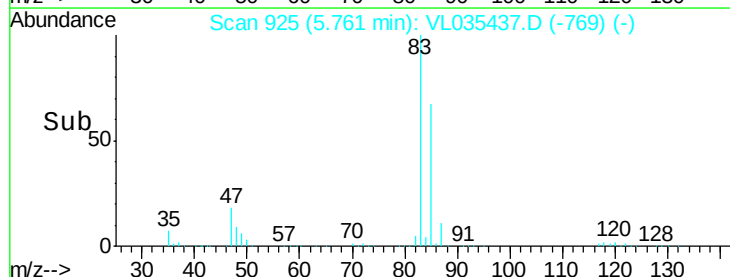
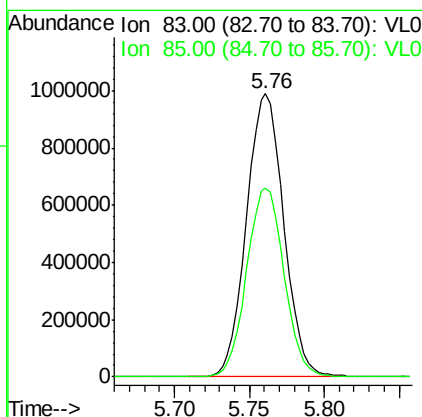
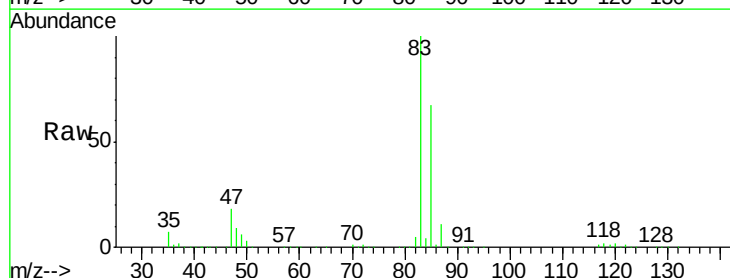
Instrument :
 MSVOA_L
 ClientSampleId :
 E053-1100DL

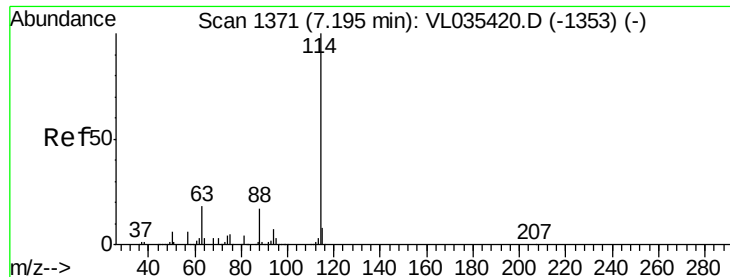
Tot Ion: 96 Resp: 858802
 Ion Ratio Lower Upper
 96 100
 61 123.6 161.8 242.6#
 98 63.2 49.3 73.9



#29
 Chloroform
 Concen: 5.960 ppbv
 RT: 5.76 min Scan# 925
 Delta R.T. 0.00 min
 Lab File: VL035437.D
 Acq: 18 Aug 2020 9:22

Tgt Ion: 83 Resp: 1716883
 Ion Ratio Lower Upper
 83 100
 85 66.7 52.7 79.1

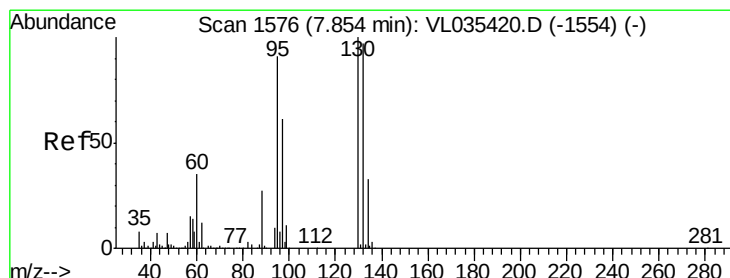
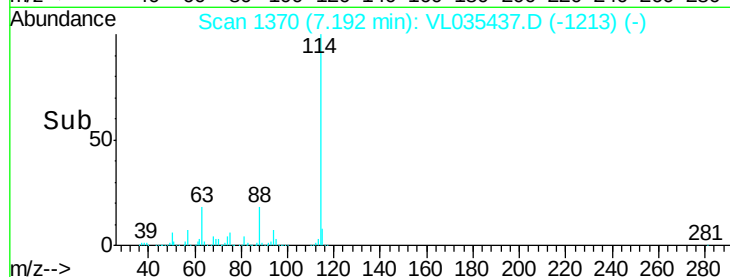
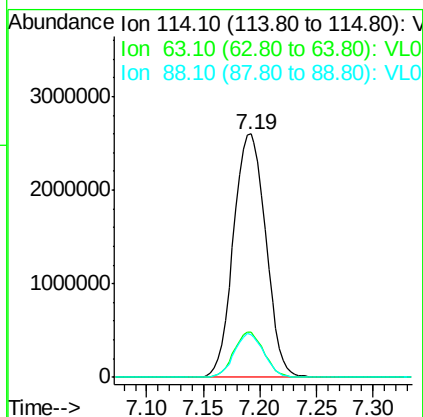
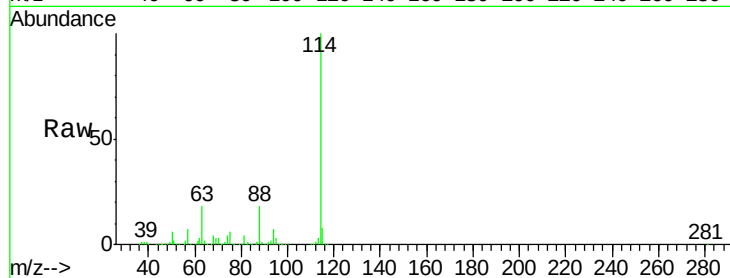




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.00 min
 Lab File: VL035437.D
 Acq: 18 Aug 2020 9:22

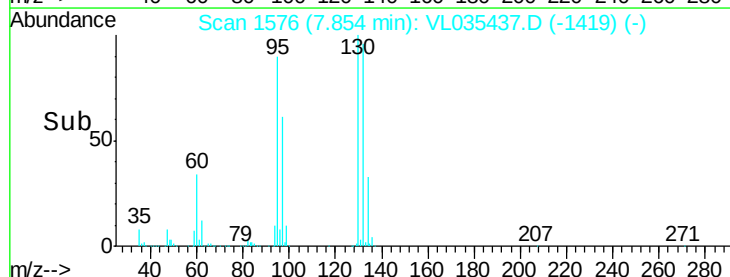
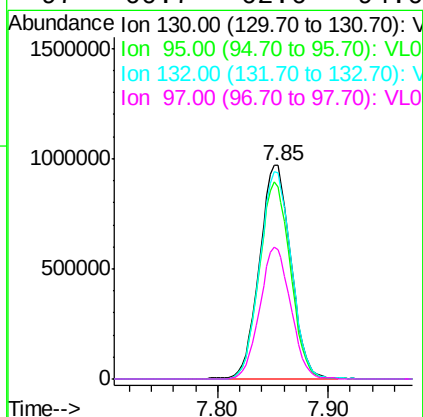
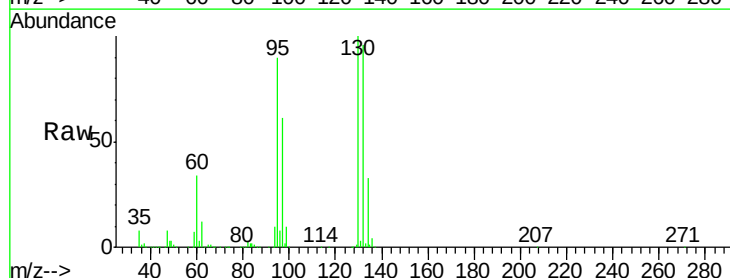
Instrument :
 MSVOA_L
 ClientSampleId :
 E053-1100DL

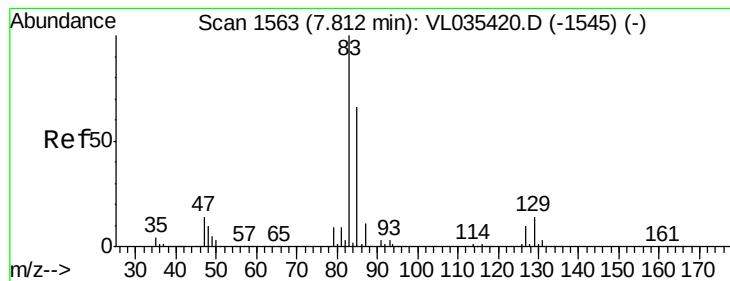
Tot Ion:114 Resp: 5184479
 Ion Ratio Lower Upper
 114 100
 63 17.4 23.1 34.7#
 88 16.5 15.9 23.9



#38
 Trichloroethene
 Concen: 9.071 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VL035437.D
 Acq: 18 Aug 2020 9:22

Tgt Ion:130 Resp: 1920074
 Ion Ratio Lower Upper
 130 100
 95 90.2 95.8 143.8#
 132 96.5 74.3 111.5
 97 60.7 62.6 94.0#





#42

Bromodichloromethane

Concen: 10.638 ppbv

RT: 7.81 min Scan# 1561

Delta R.T. 0.00 min

Lab File: VL035437.D

Acq: 18 Aug 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

E053-1100DL

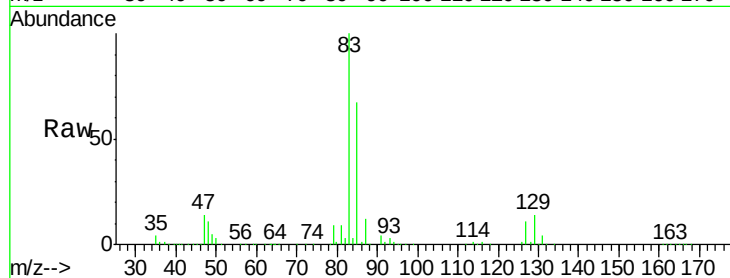
Tot Ion: 83 Resp: 3095523

Ion Ratio Lower Upper

83 100

85 67.4 54.8 82.2

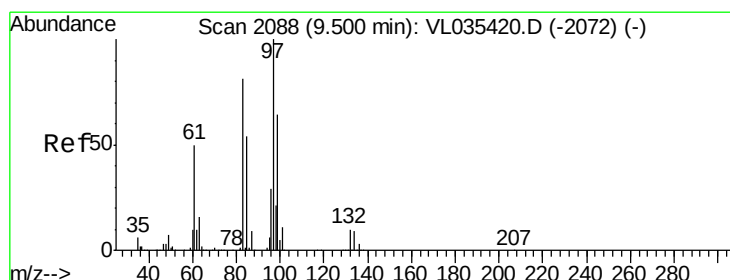
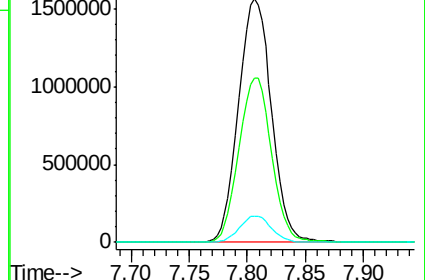
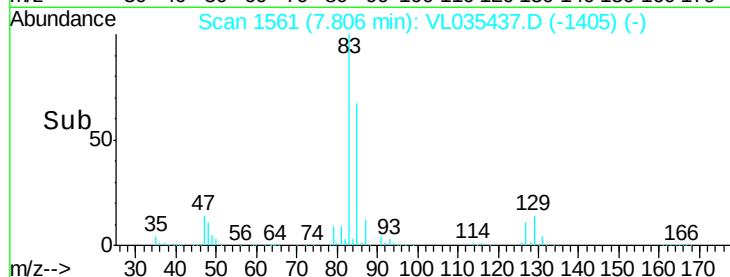
127 10.8 6.1 9.1#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V



#47

1,1,2-Trichloroethane

Concen: 7.032 ppbv

RT: 9.49 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VL035437.D

Acq: 18 Aug 2020 9:22

Tgt Ion: 97 Resp: 1317158

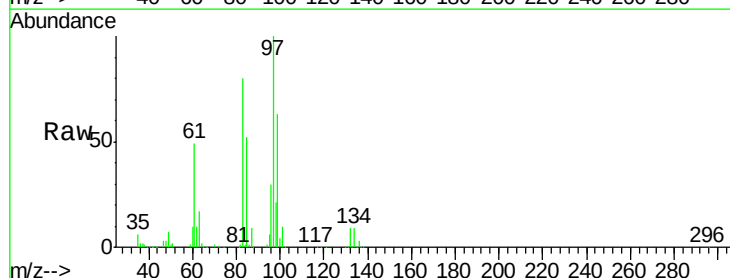
Ion Ratio Lower Upper

97 100

83 80.2 72.1 108.1

85 51.9 46.8 70.2

99 63.1 48.6 73.0

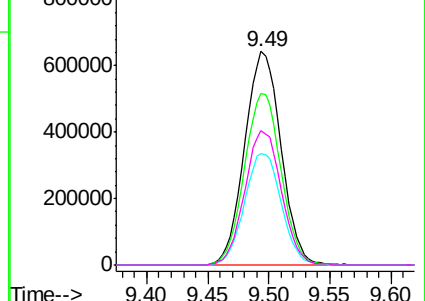
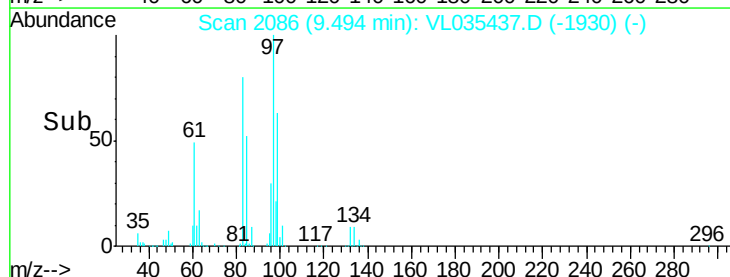


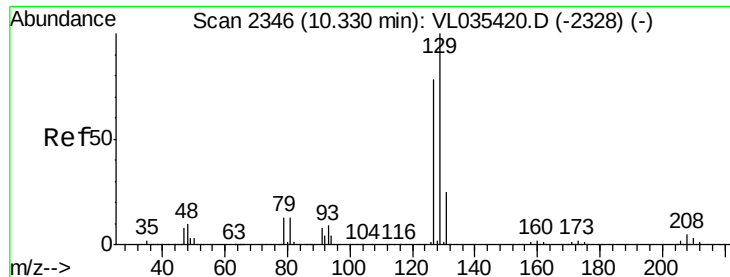
Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0





#48

Dibromochloromethane

Concen: 7.519 ppbv

RT: 10.33 min Scan# 2345

Delta R.T. 0.01 min

Lab File: VL035437.D

Acq: 18 Aug 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

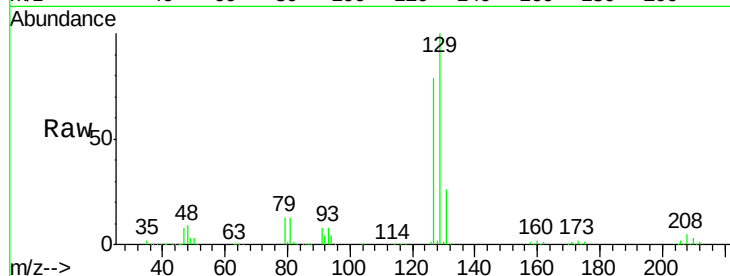
E053-1100DL

Tot Ion:129 Resp: 2362555

Ion Ratio Lower Upper

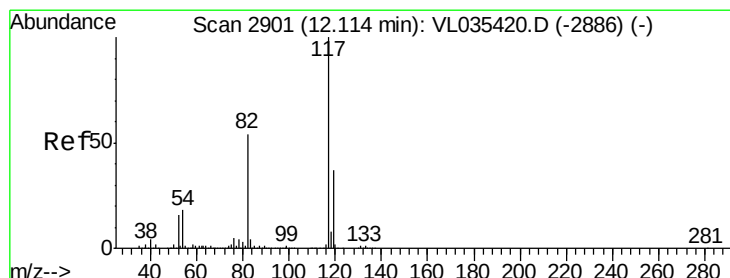
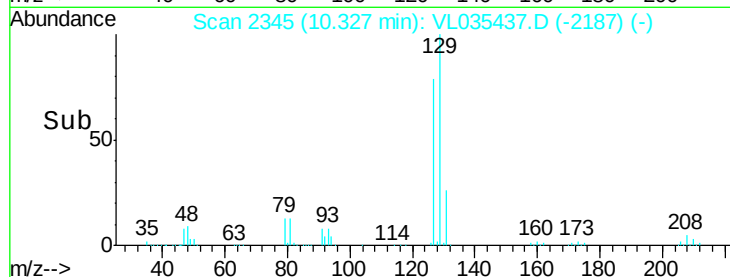
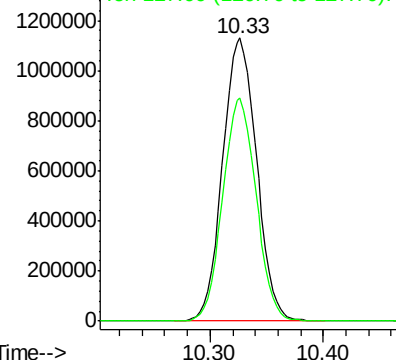
129 100

127 77.7 39.5 118.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2900

Delta R.T. 0.00 min

Lab File: VL035437.D

Acq: 18 Aug 2020 9:22

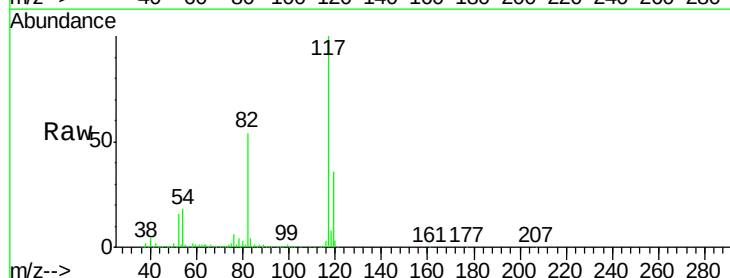
Tgt Ion:117 Resp: 5117544

Ion Ratio Lower Upper

117 100

82 52.8 57.4 86.0#

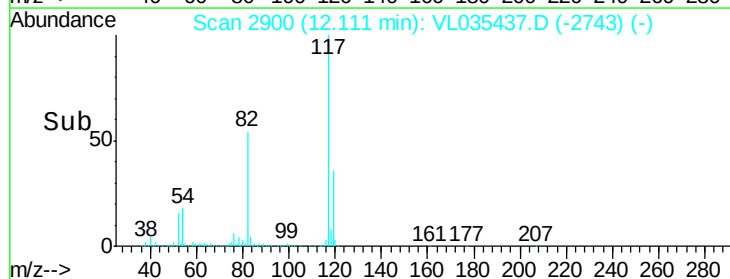
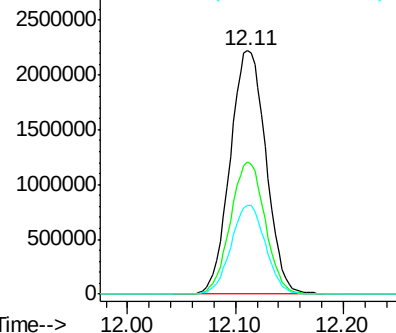
119 35.3 28.4 42.6

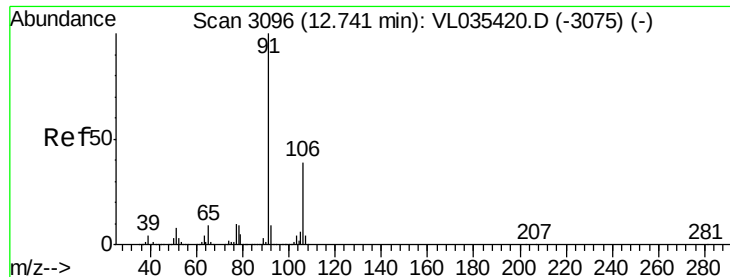


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#58

Ethyl Benzene

Concen: 5.724 ppbv

RT: 12.73 min Scan# 3094

Delta R.T. 0.00 min

Lab File: VL035437.D

Acq: 18 Aug 2020 9:22

Instrument :

MSVOA_L

ClientSampleId :

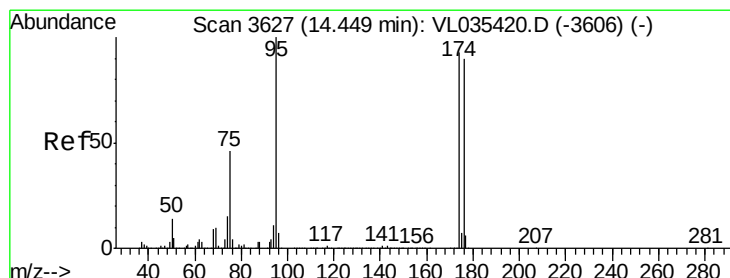
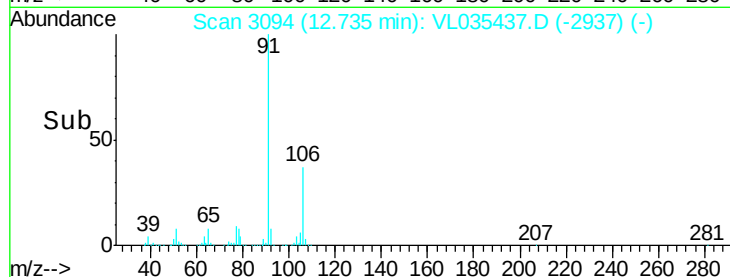
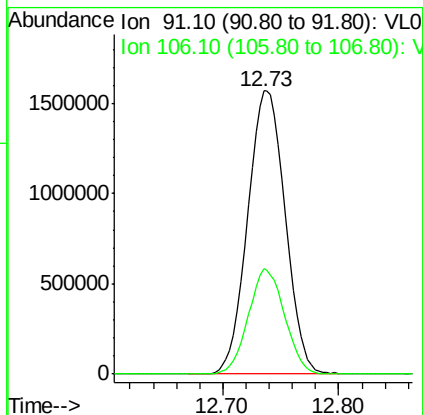
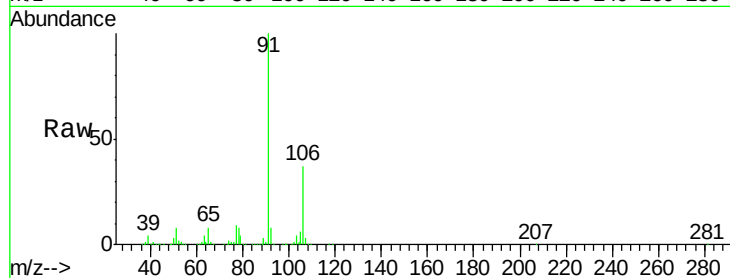
E053-1100DL

Tot Ion: 91 Resp: 3535876

Ion Ratio Lower Upper

91 100

106 37.1 24.1 36.1#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.410 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. 0.01 min

Lab File: VL035437.D

Acq: 18 Aug 2020 9:22

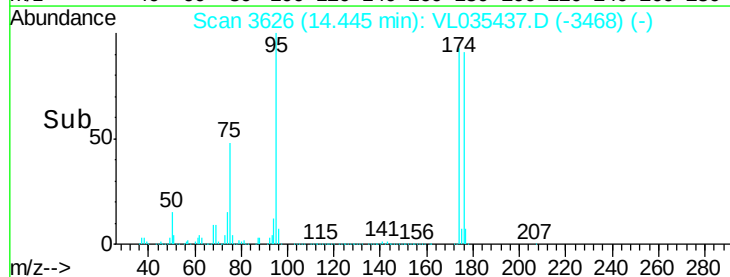
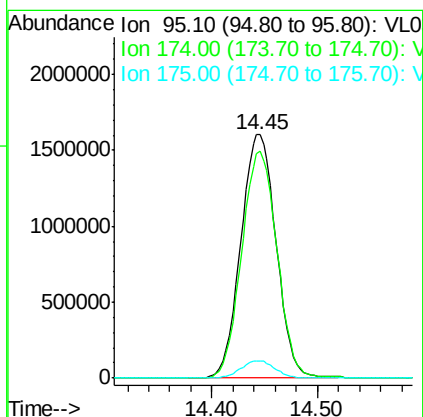
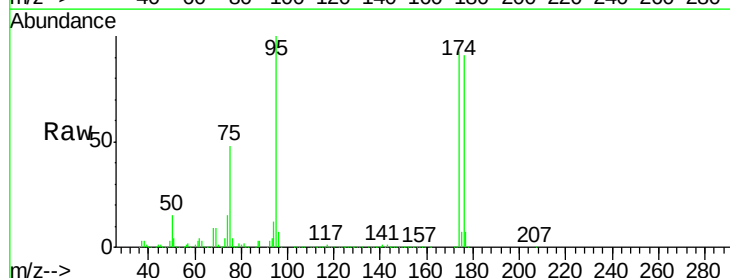
Tgt Ion: 95 Resp: 3729620

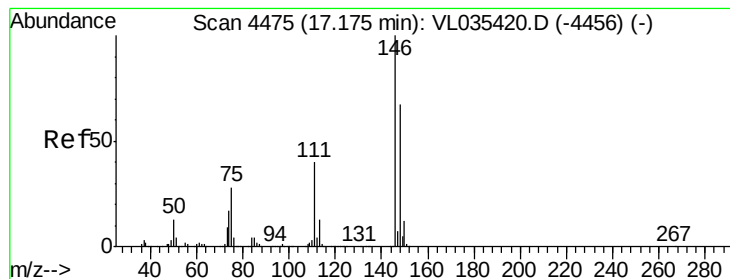
Ion Ratio Lower Upper

95 100

174 93.9 44.0 66.0#

175 7.0 3.2 4.8#





#76

1,4-Dichlorobenzene

Concen: 8.983 ppbv

RT: 17.17 min Scan# 4474

Delta R.T. 0.01 min

Lab File: VL035437.D

Acq: 18 Aug 2020 9:22

Instrument :

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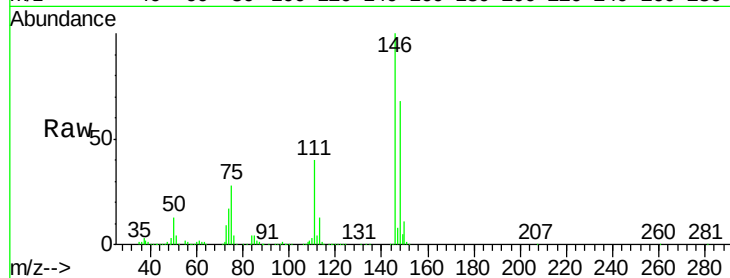
Tot Ion:146 Resp: 4604642

Ion Ratio Lower Upper

146 100

111 38.5 24.8 74.4

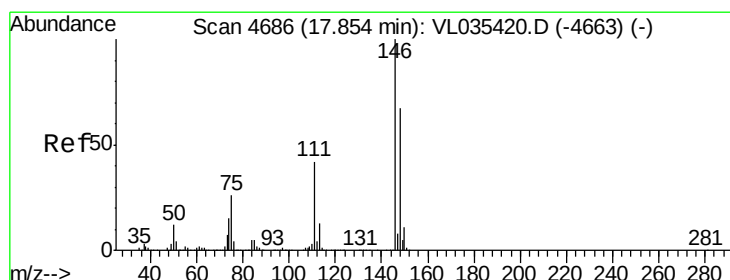
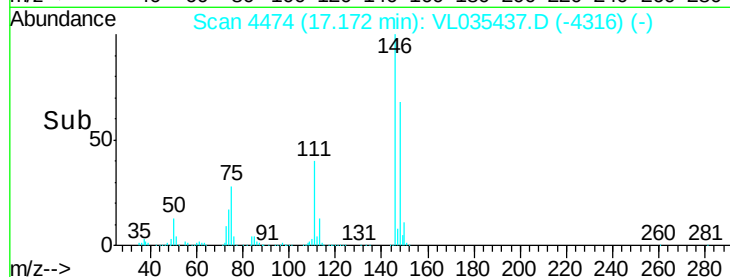
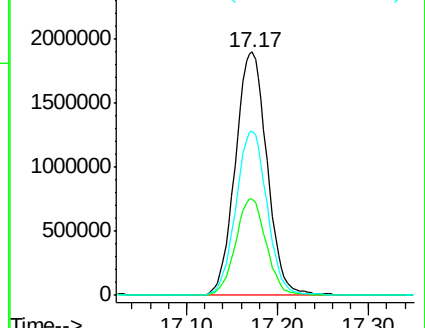
148 66.6 32.1 96.3



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: 8.718 ppbv

RT: 17.85 min Scan# 4685

Delta R.T. 0.00 min

Lab File: VL035437.D

Acq: 18 Aug 2020 9:22

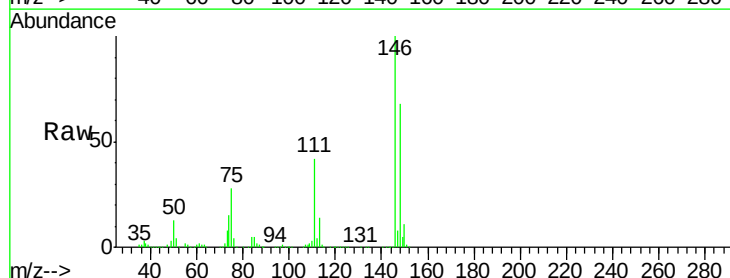
Tgt Ion:146 Resp: 4441180

Ion Ratio Lower Upper

146 100

111 40.7 26.3 78.9

148 66.4 32.0 96.0



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

