

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081720\
 Data File : VL035431.D
 Acq On : 18 Aug 2020 00:26
 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 17:01:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	1095142	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4775236	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	4757201	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3456736	10.38	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

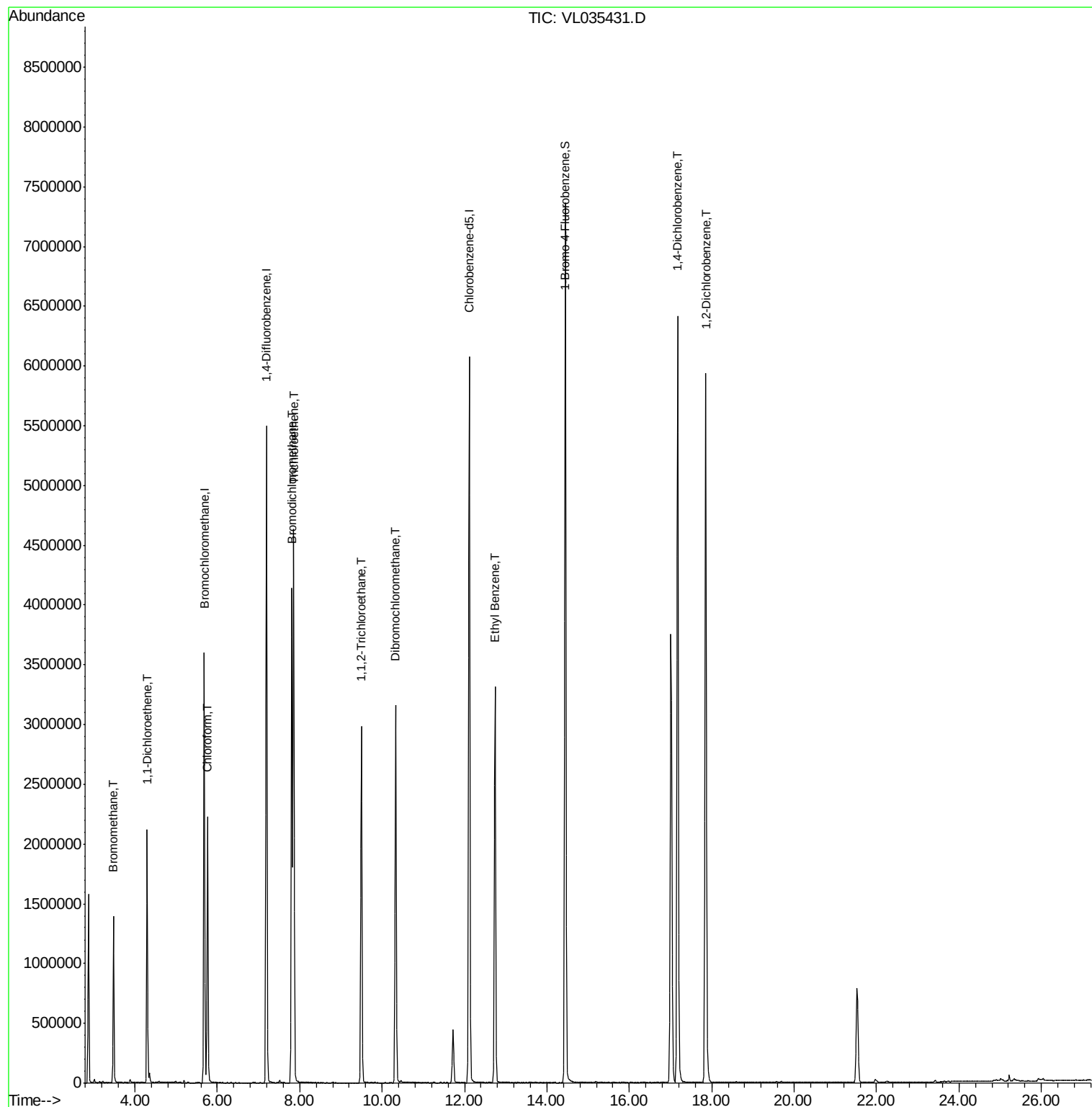
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
6) Bromomethane	3.48	94	725051	9.697	ppbv	99
18) 1,1-Dichloroethene	4.30	96	760500	7.257	ppbv #	59
29) Chloroform	5.76	83	1553877	5.587	ppbv	100
38) Trichloroethene	7.85	130	1747174	8.962	ppbv #	83
42) Bromodichloromethane	7.81	83	2820736	10.524	ppbv #	98
47) 1,1,2-Trichloroethane	9.49	97	1174649	6.808	ppbv	94
48) Dibromochloromethane	10.33	129	2134133	7.374	ppbv	99
58) Ethyl Benzene	12.74	91	3198945	5.570	ppbv	91
76) 1,4-Dichlorobenzene	17.18	146	4231892	8.882	ppbv	91
77) 1,2-Dichlorobenzene	17.85	146	4040321	8.532	ppbv	91

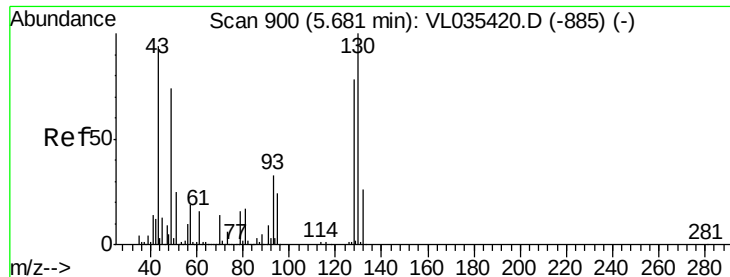
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 19 17:01:02 2020
Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

Lab File: VL035431.D

Acq: 18 Aug 2020 00:26

Instrument :

MSVOA_L

ClientSampleId :

E053-1100DL

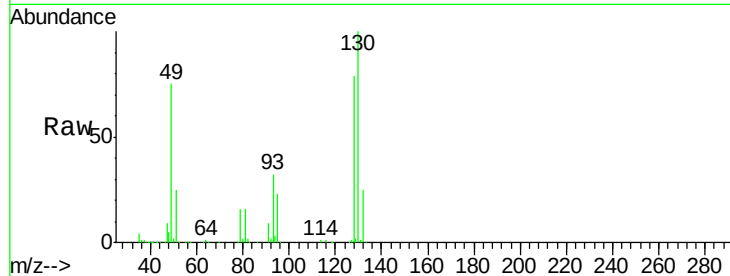
Tot Ion: 49 Resp: 1095142

Ion Ratio Lower Upper

49 100

128 102.3 20.9 62.7#

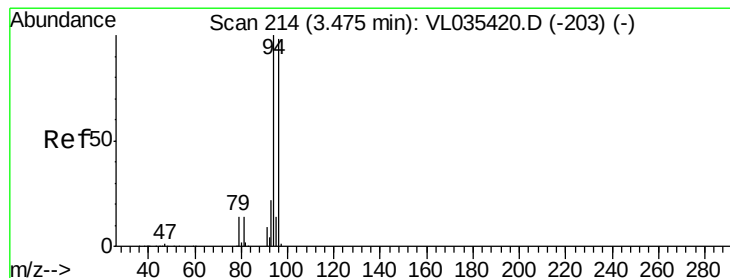
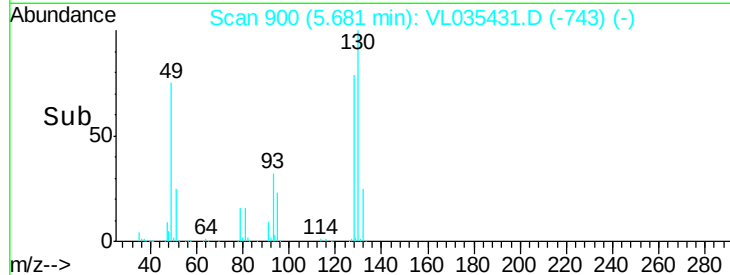
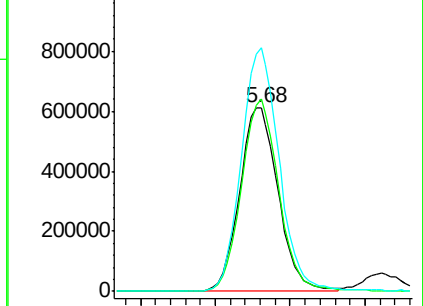
130 131.1 26.7 80.1#



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: 9.697 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.01 min

Lab File: VL035431.D

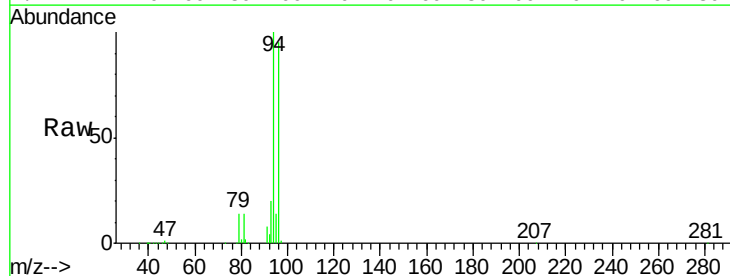
Acq: 18 Aug 2020 00:26

Tgt Ion: 94 Resp: 725051

Ion Ratio Lower Upper

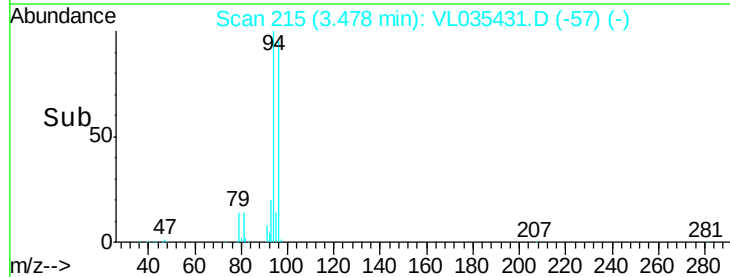
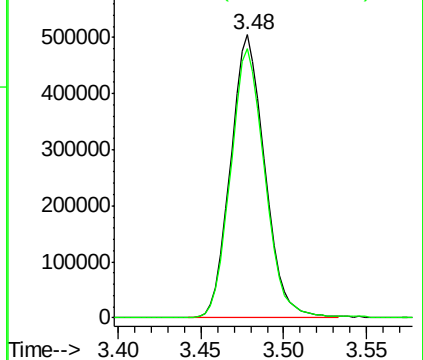
94 100

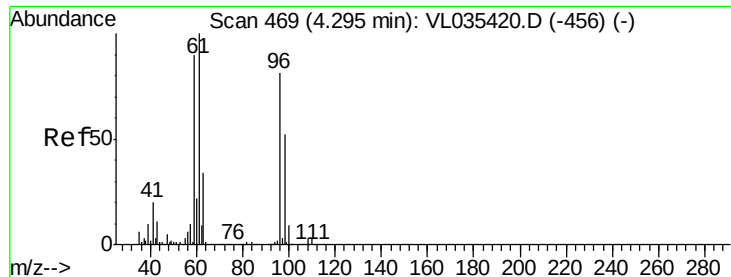
96 94.9 75.0 112.6



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

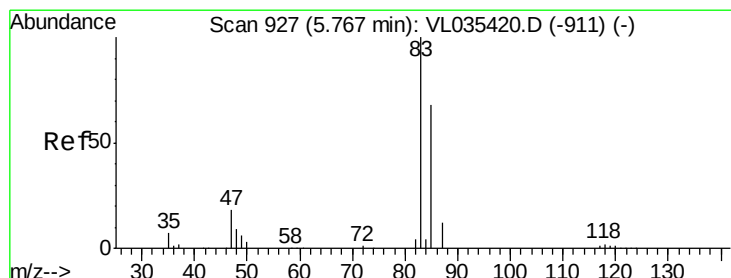
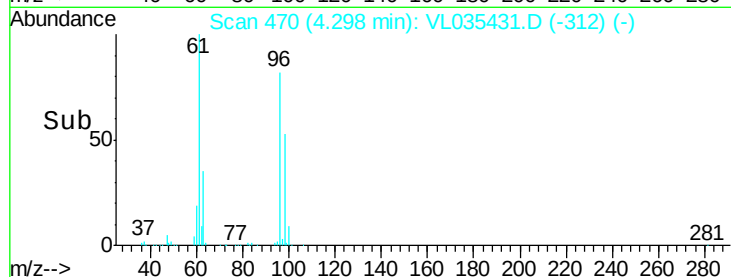
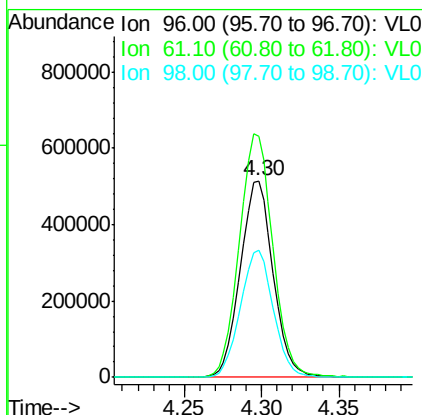
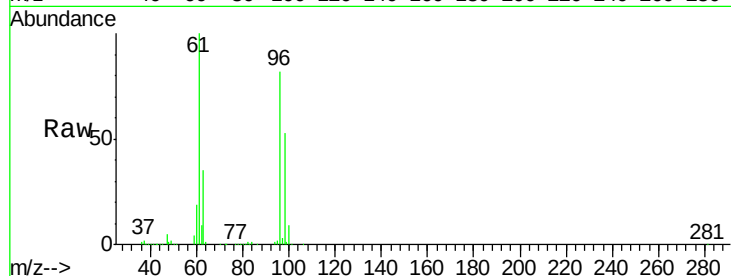




#18
 1,1-Dichloroethene
 Concen: 7.257 ppbv
 RT: 4.30 min Scan# 470
 Delta R.T. 0.01 min
 Lab File: VL035431.D
 Acq: 18 Aug 2020 00:26

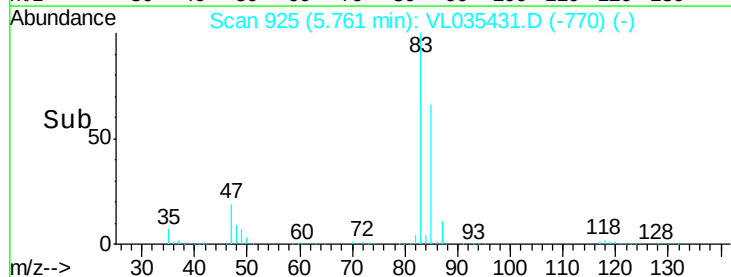
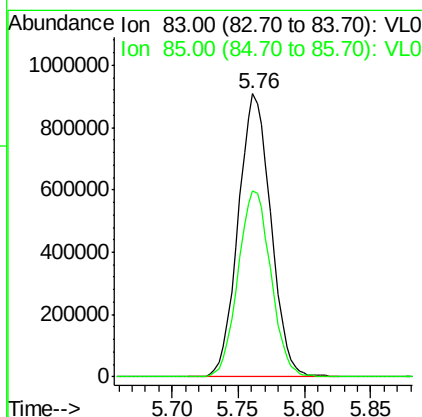
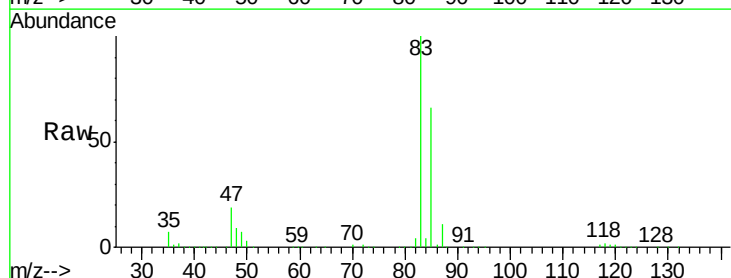
Instrument :
 MSVOA_L
 ClientSampleId :
 E053-1100DL

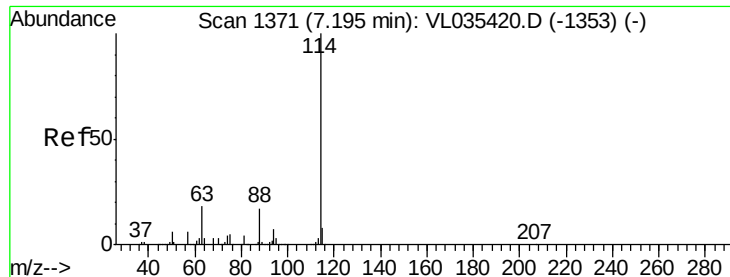
Tot Ion: 96 Resp: 760500
 Ion Ratio Lower Upper
 96 100
 61 122.7 161.8 242.6#
 98 64.6 49.3 73.9



#29
 Chloroform
 Concen: 5.587 ppbv
 RT: 5.76 min Scan# 925
 Delta R.T. -0.00 min
 Lab File: VL035431.D
 Acq: 18 Aug 2020 00:26

Tgt Ion: 83 Resp: 1553877
 Ion Ratio Lower Upper
 83 100
 85 65.8 52.7 79.1

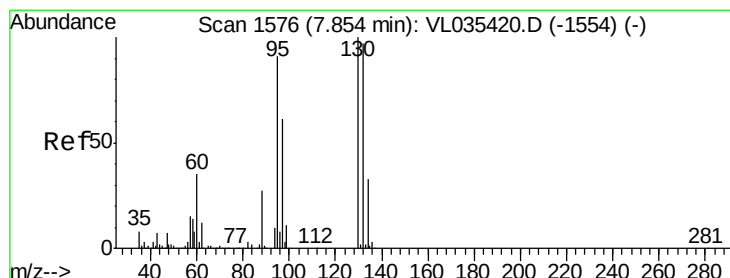
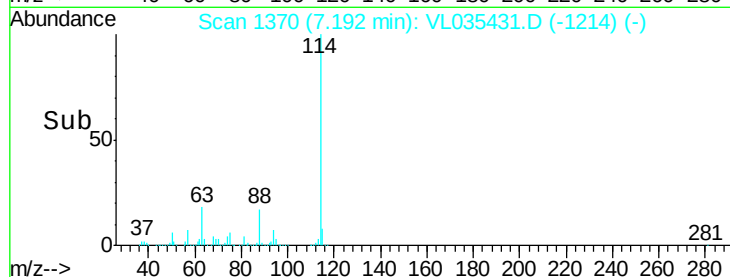
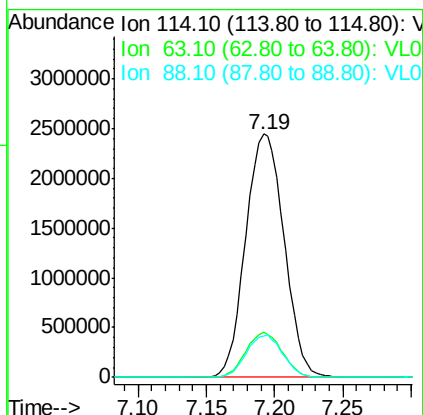
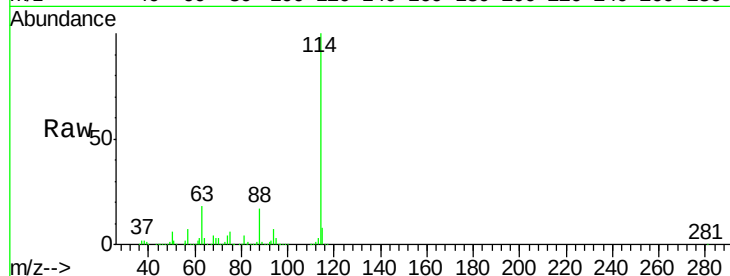




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.00 min
 Lab File: VL035431.D
 Acq: 18 Aug 2020 00:26

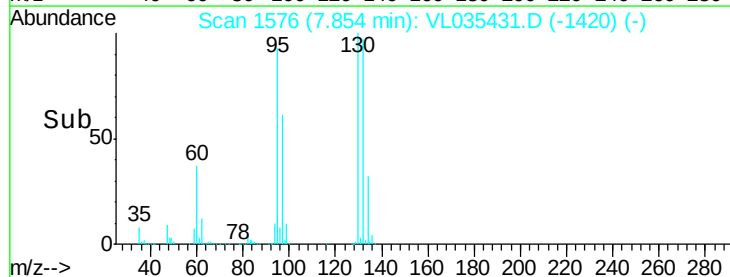
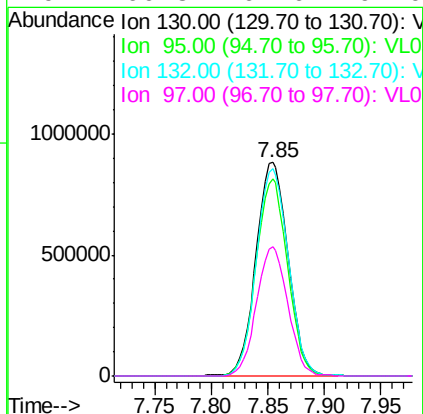
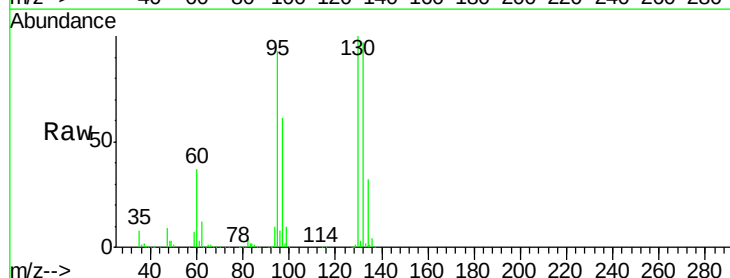
Instrument :
 MSVOA_L
 ClientSampleId :
 E053-1100DL

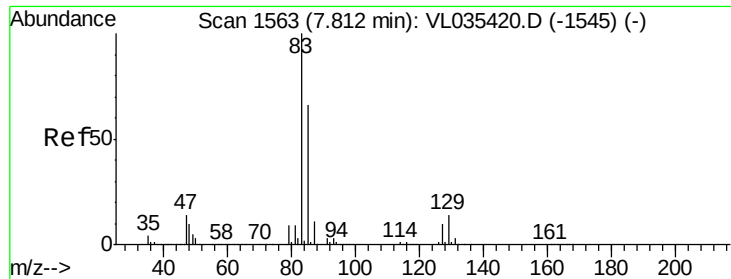
Tot Ion:114 Resp: 4775236
 Ion Ratio Lower Upper
 114 100
 63 17.7 23.1 34.7#
 88 16.5 15.9 23.9



#38
 Trichloroethene
 Concen: 8.962 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VL035431.D
 Acq: 18 Aug 2020 00:26

Tgt Ion:130 Resp: 1747174
 Ion Ratio Lower Upper
 130 100
 95 92.6 95.8 143.8#
 132 97.1 74.3 111.5
 97 60.8 62.6 94.0#





#42

Bromodichloromethane

Concen: 10.524 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VL035431.D

Acq: 18 Aug 2020 00:26

Instrument :

MSVOA_L

ClientSampleId :

E053-1100DL

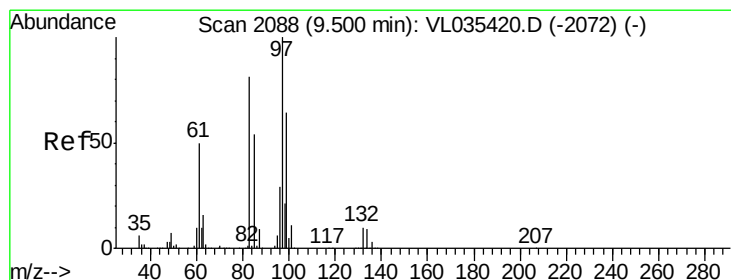
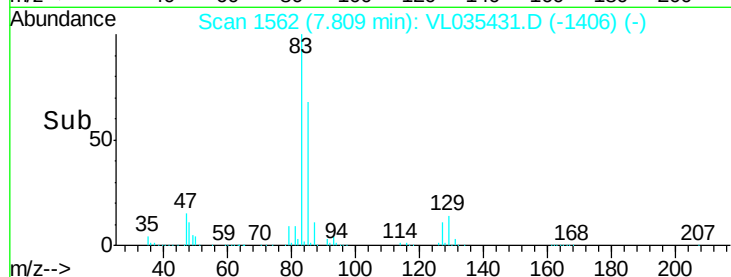
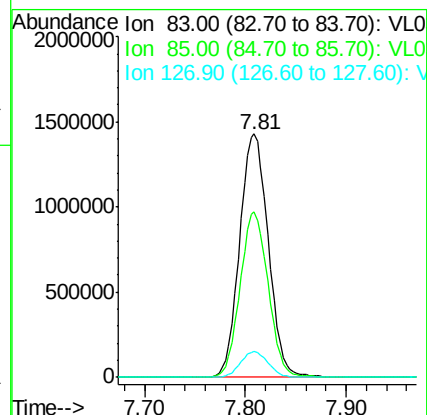
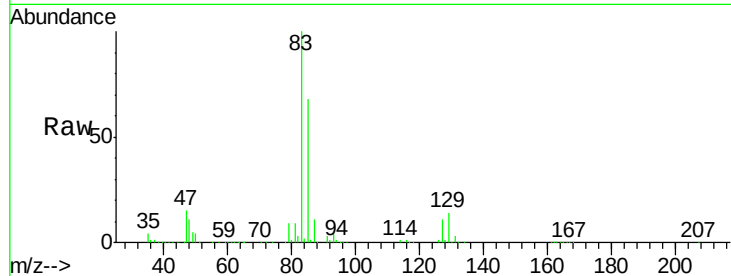
Tot Ion: 83 Resp: 2820736

Ion Ratio Lower Upper

83 100

85 67.9 54.8 82.2

127 10.9 6.1 9.1#



#47

1,1,2-Trichloroethane

Concen: 6.808 ppbv

RT: 9.49 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VL035431.D

Acq: 18 Aug 2020 00:26

Tgt Ion: 97 Resp: 1174649

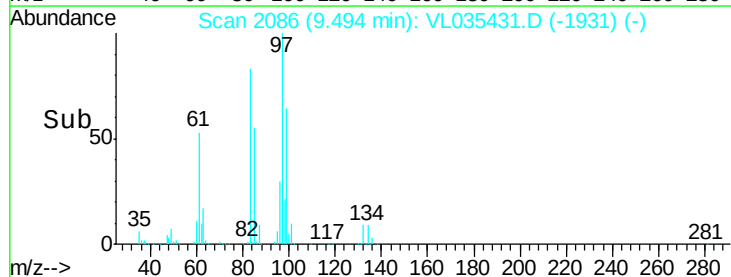
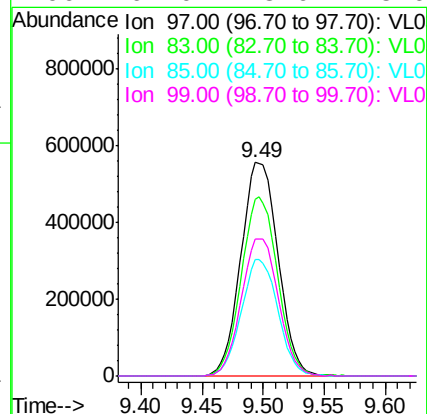
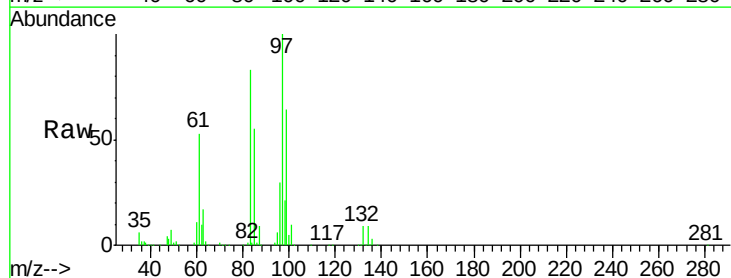
Ion Ratio Lower Upper

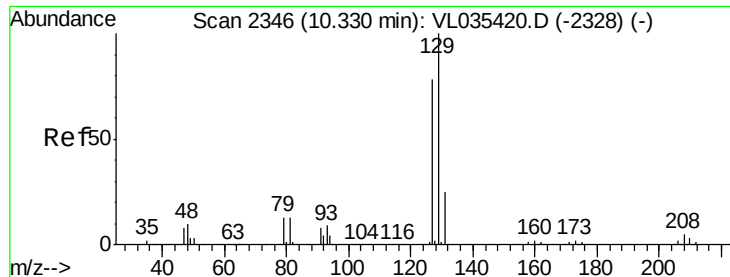
97 100

83 82.7 72.1 108.1

85 54.7 46.8 70.2

99 64.0 48.6 73.0





#48

Dibromochloromethane

Concen: 7.374 ppbv

RT: 10.33 min Scan# 2345

Delta R.T. 0.01 min

Lab File: VL035431.D

Acq: 18 Aug 2020 00:26

Instrument :

MSVOA_L

ClientSampleId :

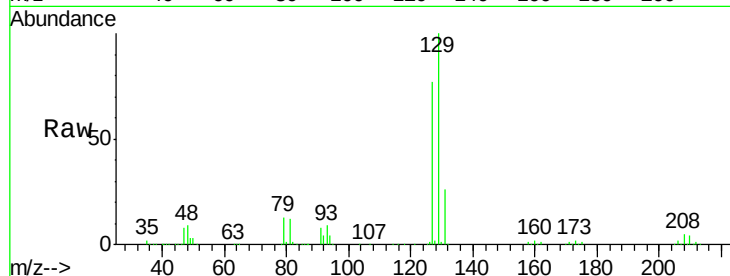
E053-1100DL

Tot Ion:129 Resp: 2134133

Ion Ratio Lower Upper

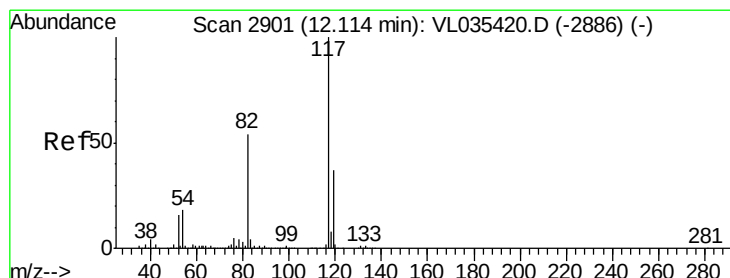
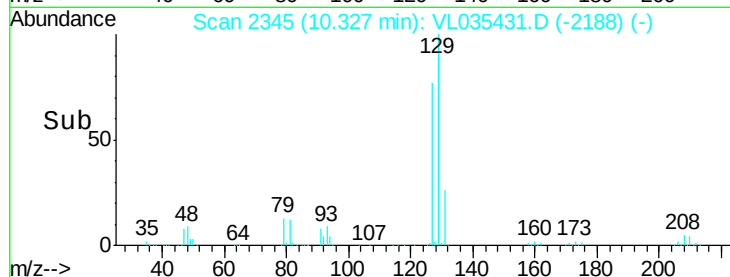
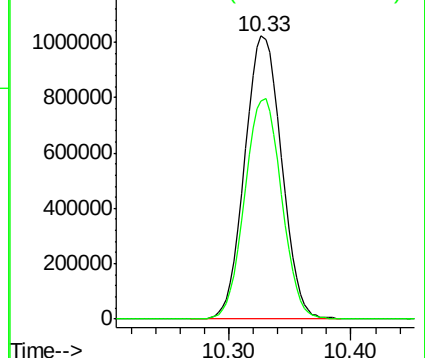
129 100

127 77.9 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# 2901

Delta R.T. 0.01 min

Lab File: VL035431.D

Acq: 18 Aug 2020 00:26

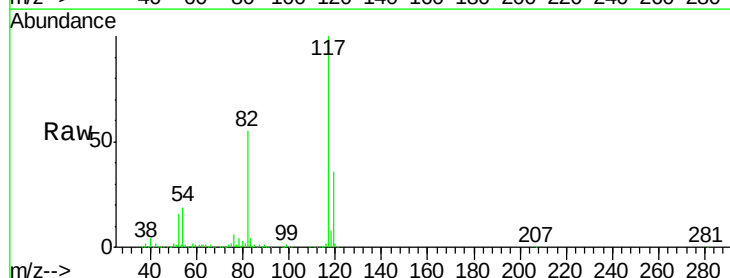
Tgt Ion:117 Resp: 4757201

Ion Ratio Lower Upper

117 100

82 53.3 57.4 86.0#

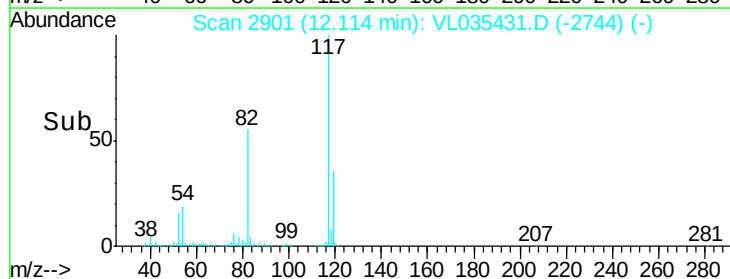
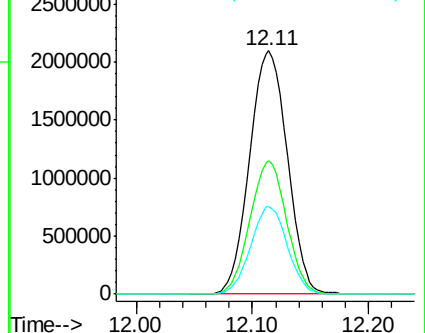
119 35.0 28.4 42.6

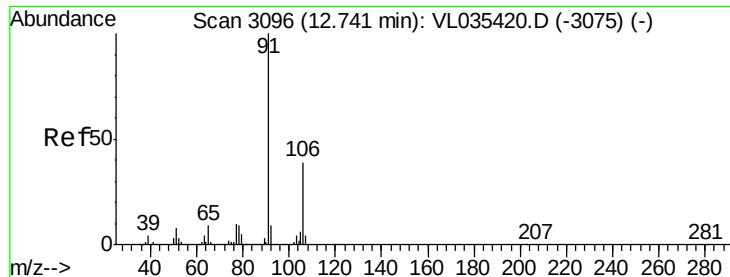


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#58

Ethyl Benzene

Concen: 5.570 ppbv

RT: 12.74 min Scan# 3095

Delta R.T. 0.01 min

Lab File: VL035431.D

Acq: 18 Aug 2020 00:26

Instrument :

MSVOA_L

ClientSampleId :

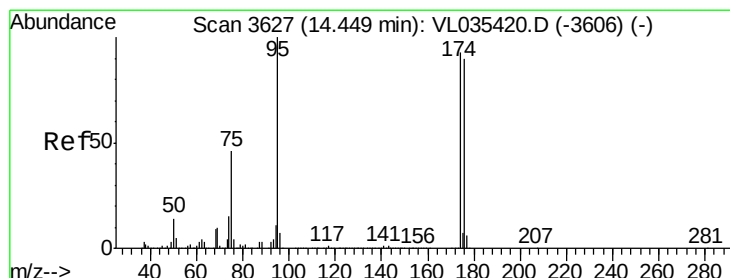
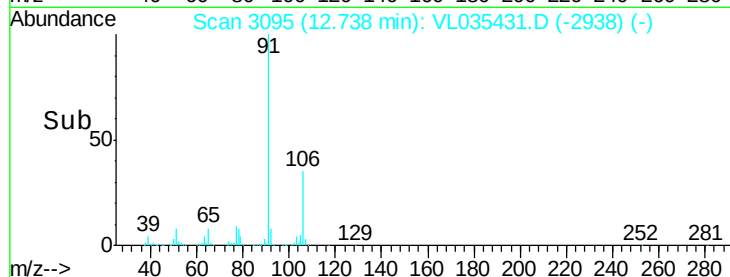
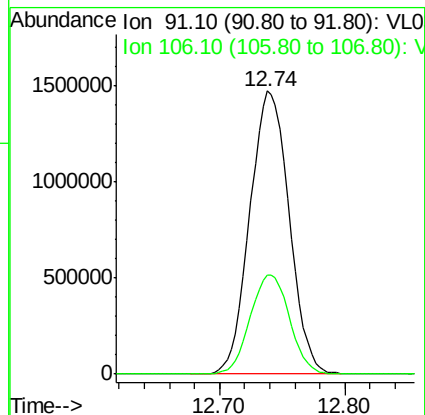
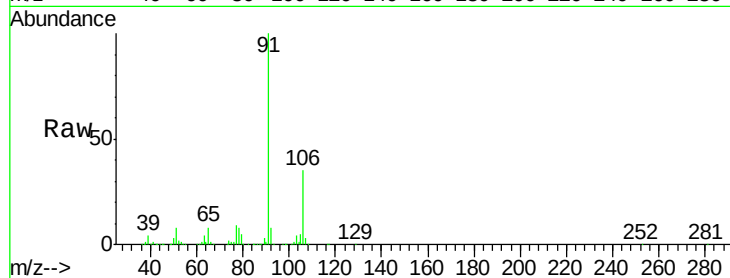
E053-1100DL

Tot Ion: 91 Resp: 3198945

Ion Ratio Lower Upper

91 100

106 35.1 24.1 36.1



#68

1-Bromo-4-Fluorobenzene

Concen: 10.379 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. 0.01 min

Lab File: VL035431.D

Acq: 18 Aug 2020 00:26

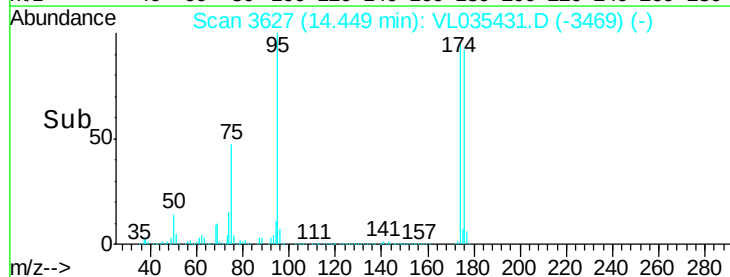
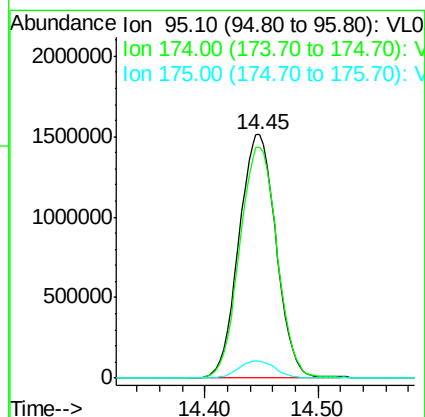
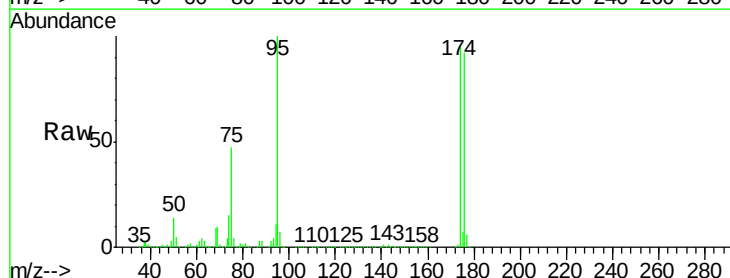
Tgt Ion: 95 Resp: 3456736

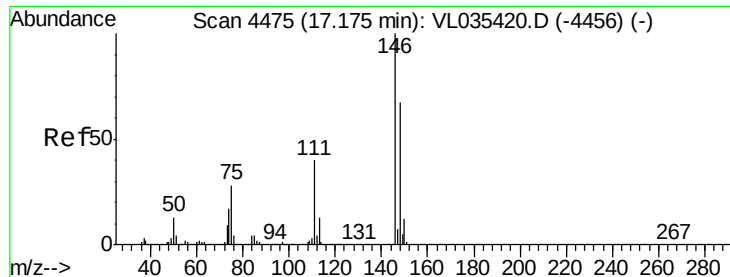
Ion Ratio Lower Upper

95 100

174 96.2 44.0 66.0#

175 7.0 3.2 4.8#





#76

1,4-Dichlorobenzene

Concen: 8.882 ppbv

RT: 17.18 min Scan# 4475

Delta R.T. 0.01 min

Lab File: VL035431.D

Acq: 18 Aug 2020 00:26

Instrument :

MSVOA_L

ClientSampleId :

E053-1100DL

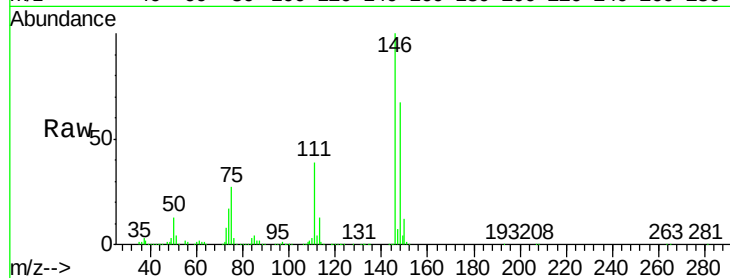
Tot Ion:146 Resp: 4231892

Ion Ratio Lower Upper

146 100

111 38.3 24.8 74.4

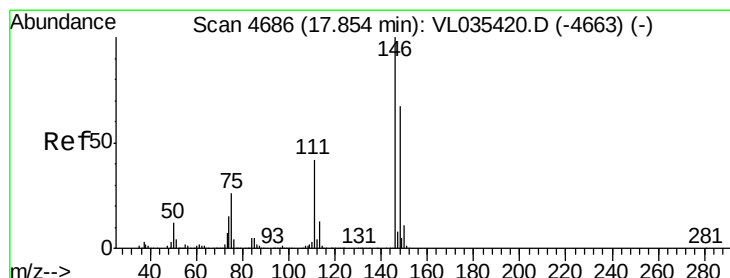
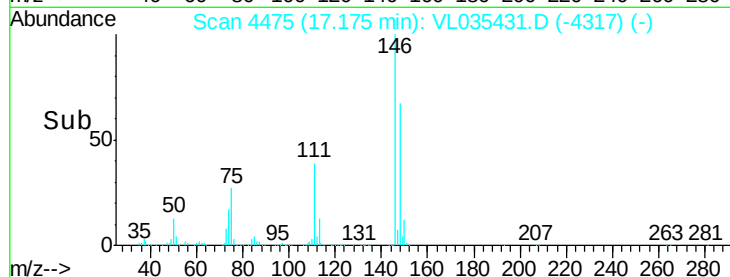
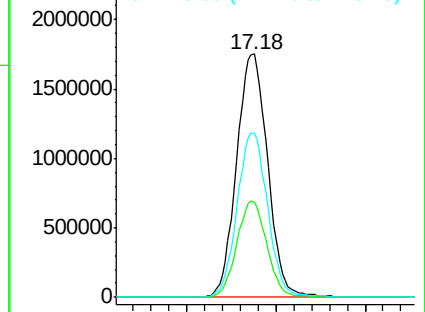
148 66.5 32.1 96.3



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: 8.532 ppbv

RT: 17.85 min Scan# 4686

Delta R.T. 0.01 min

Lab File: VL035431.D

Acq: 18 Aug 2020 00:26

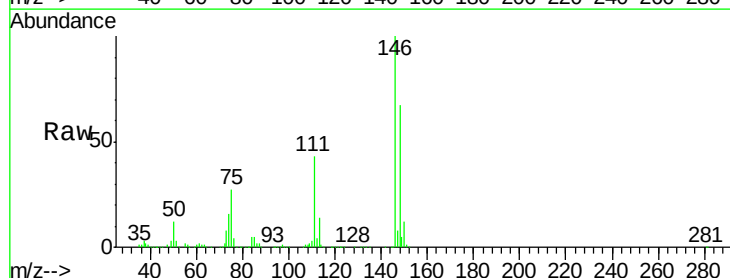
Tgt Ion:146 Resp: 4040321

Ion Ratio Lower Upper

146 100

111 40.6 26.3 78.9

148 66.2 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

