

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081720\
 Data File : VL035430.D
 Acq On : 17 Aug 2020 23:47
 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 19 17:00:38 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	1082037	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4723072	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	4690186	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3467994	10.56	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.60%

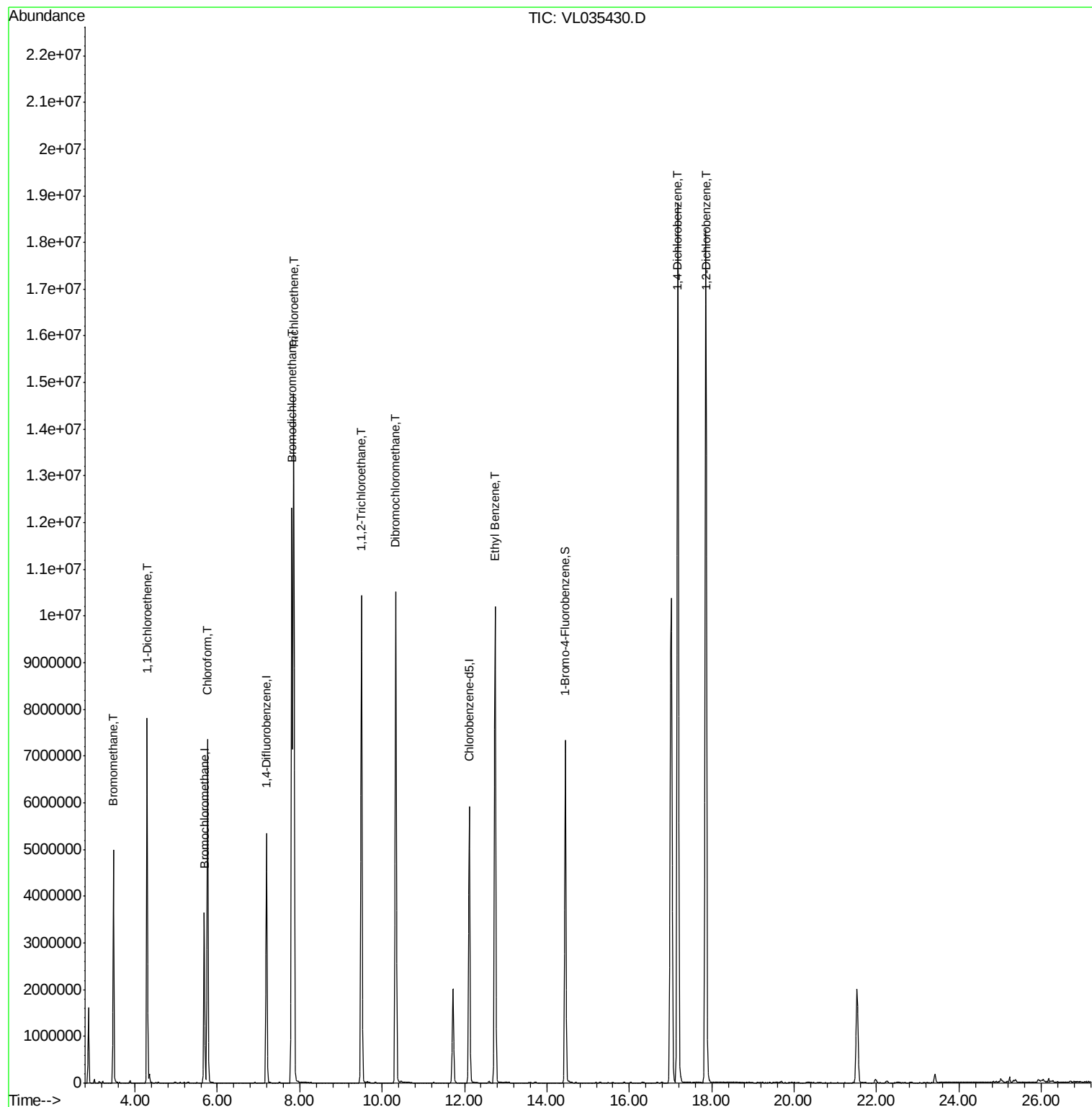
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
6) Bromomethane	3.47	94	2640320	35.741	ppbv	99
18) 1,1-Dichloroethene	4.29	96	2837331	27.404	ppbv #	57
29) Chloroform	5.76	83	5257568	19.133	ppbv	90
38) Trichloroethene	7.86	130	5663745	29.372	ppbv #	86
42) Bromodichloromethane	7.81	83	8424564	31.779	ppbv #	85
47) 1,1,2-Trichloroethane	9.50	97	4156645	24.358	ppbv	93
48) Dibromochloromethane	10.33	129	7218072	25.215	ppbv	97
58) Ethyl Benzene	12.74	91	9699566	17.131	ppbv #	65
76) 1,4-Dichlorobenzene	17.18	146	11604407	24.703	ppbv	92
77) 1,2-Dichlorobenzene	17.86	146	11360478	24.332	ppbv	92

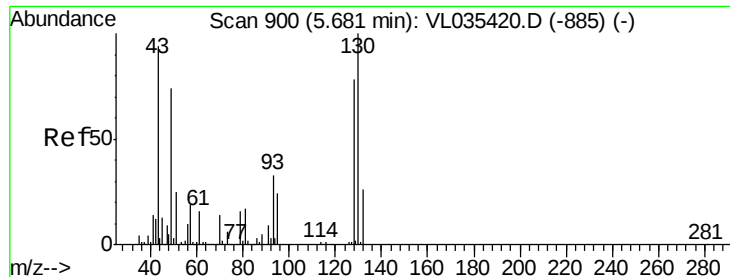
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081720\
Data File : VL035430.D
Acq On : 17 Aug 2020 23:47
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 19 17:00:38 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: VL035430.D

Acq: 17 Aug 2020 23:47

Instrument :

MSVOA_L

ClientSampleId :

E053-1100

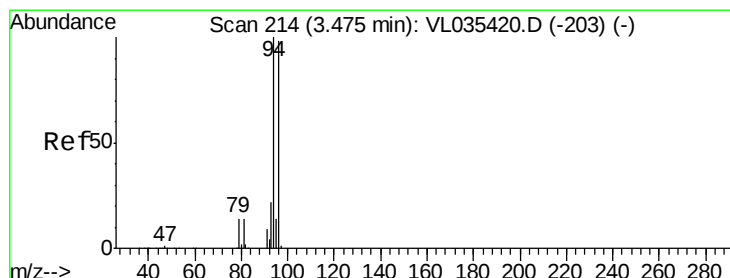
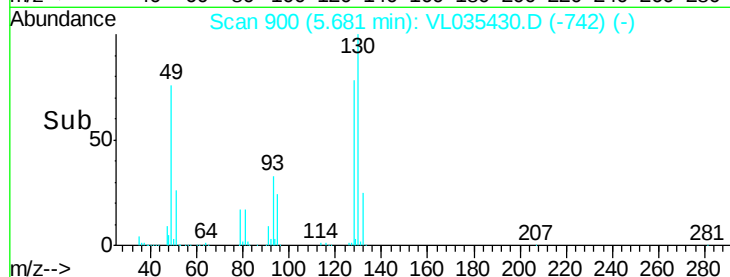
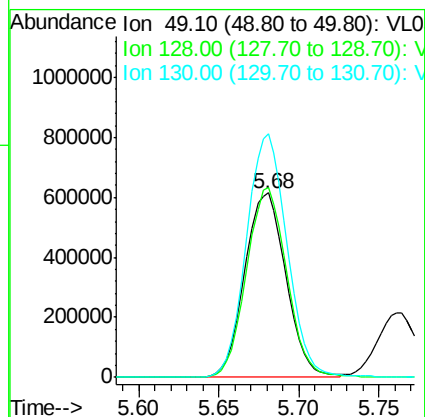
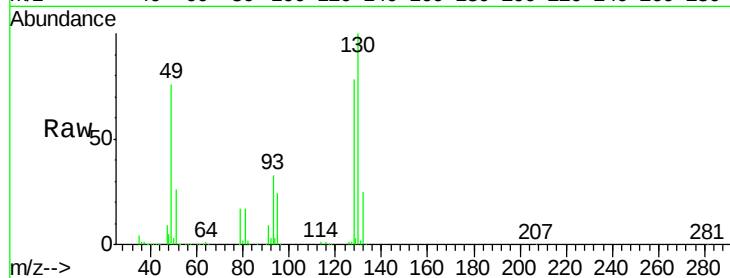
Tot Ion: 49 Resp: 1082037

Ion Ratio Lower Upper

49 100

128 101.6 20.9 62.7#

130 130.6 26.7 80.1#



#6

Bromomethane

Concen: 35.741 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.01 min

Lab File: VL035430.D

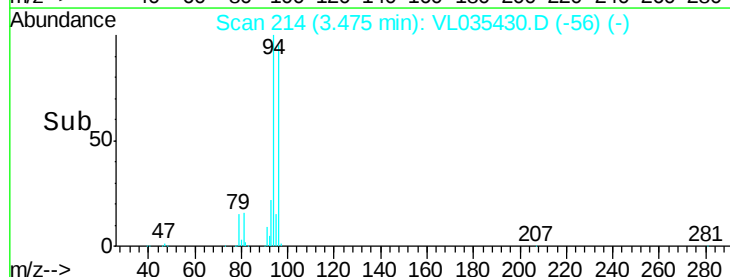
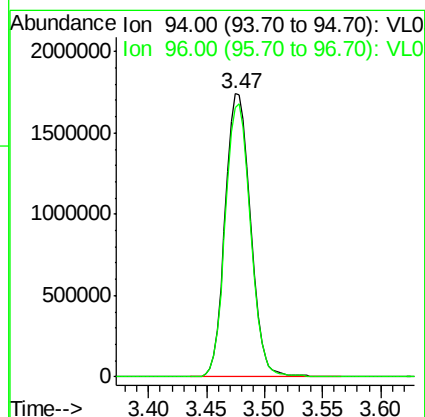
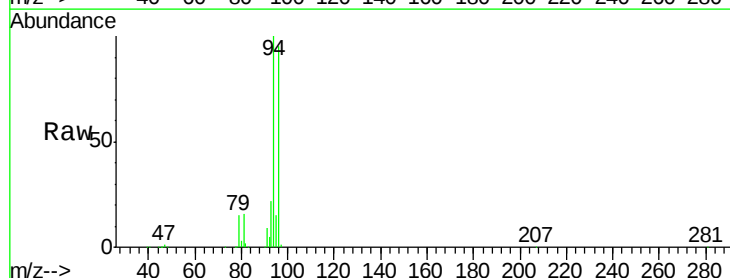
Acq: 17 Aug 2020 23:47

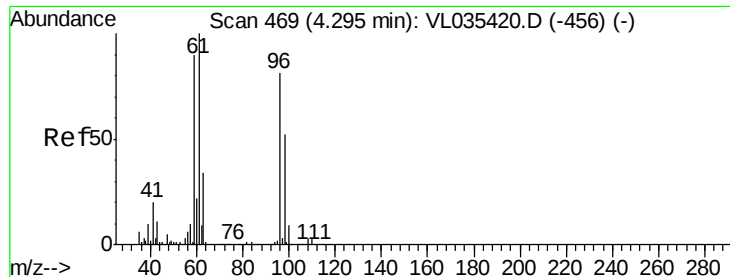
Tgt Ion: 94 Resp: 2640320

Ion Ratio Lower Upper

94 100

96 95.2 75.0 112.6

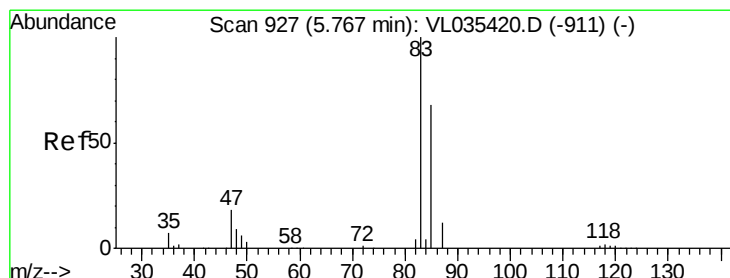
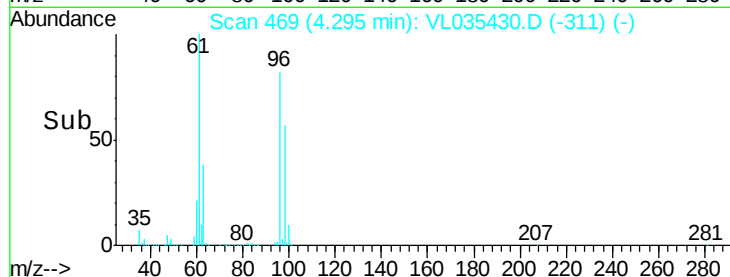
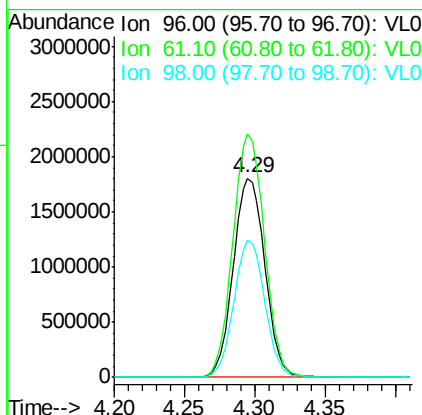
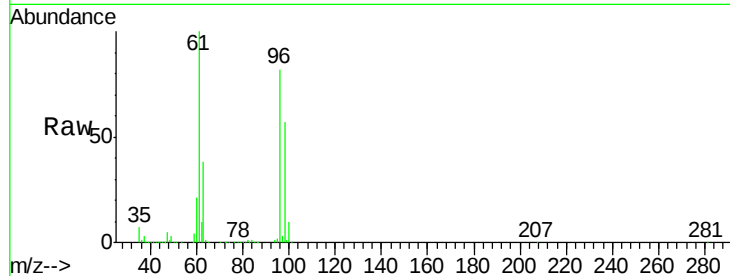




#18
 1,1-Dichloroethene
 Concen: 27.404 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T. 0.01 min
 Lab File: VL035430.D
 Acq: 17 Aug 2020 23:47

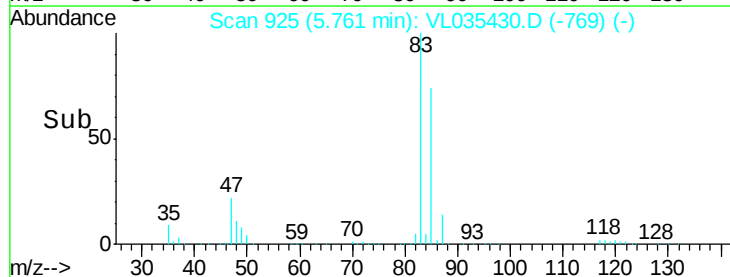
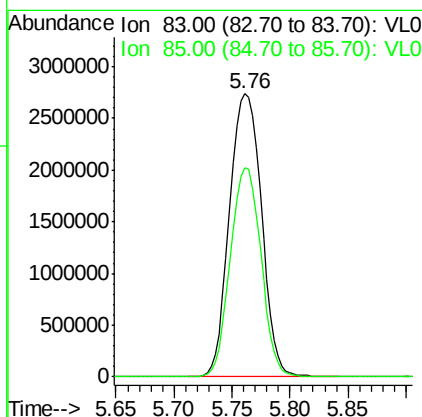
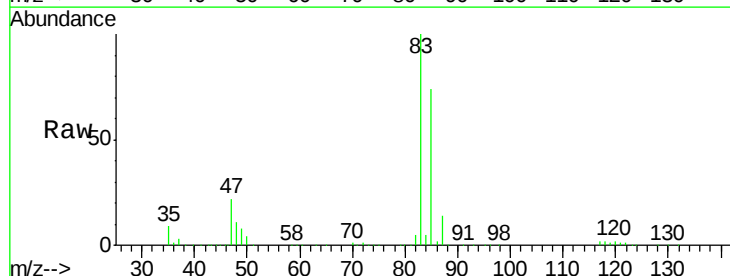
Instrument :
 MSVOA_L
 ClientSampleId :
 E053-1100

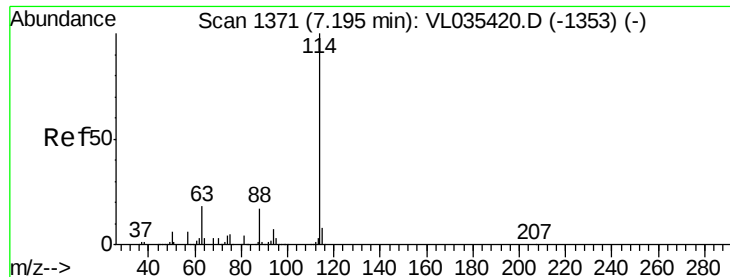
Tot Ion: 96 Resp: 2837331
 Ion Ratio Lower Upper
 96 100
 61 122.1 161.8 242.6#
 98 69.1 49.3 73.9



#29
 Chloroform
 Concen: 19.133 ppbv
 RT: 5.76 min Scan# 925
 Delta R.T. 0.00 min
 Lab File: VL035430.D
 Acq: 17 Aug 2020 23:47

Tgt Ion: 83 Resp: 5257568
 Ion Ratio Lower Upper
 83 100
 85 74.0 52.7 79.1

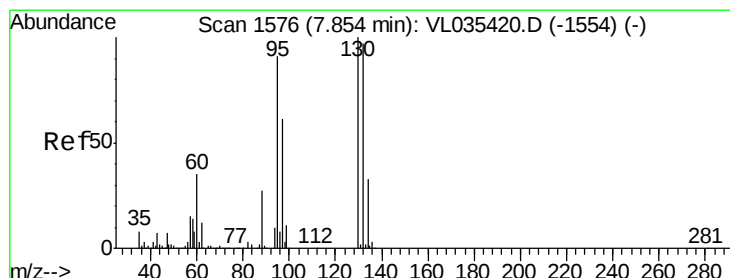
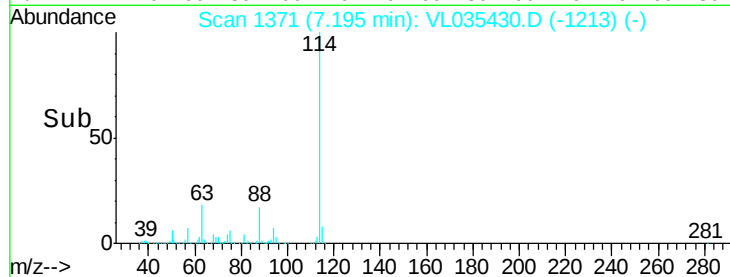
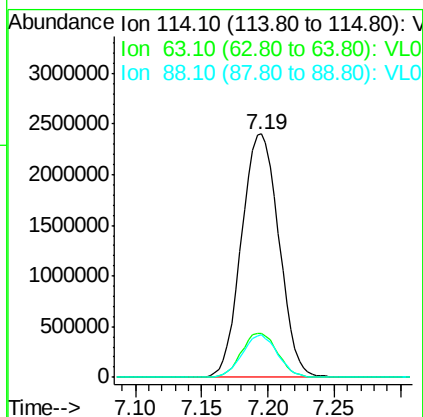
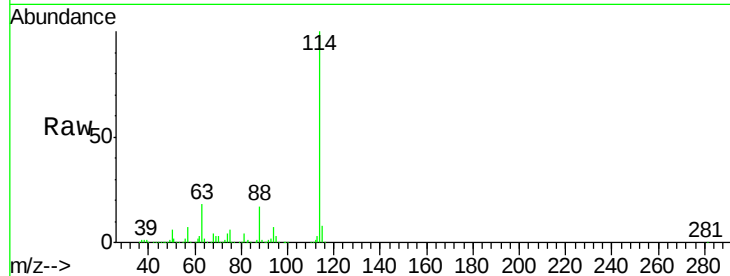




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1371
 Delta R.T. 0.01 min
 Lab File: VL035430.D
 Acq: 17 Aug 2020 23:47

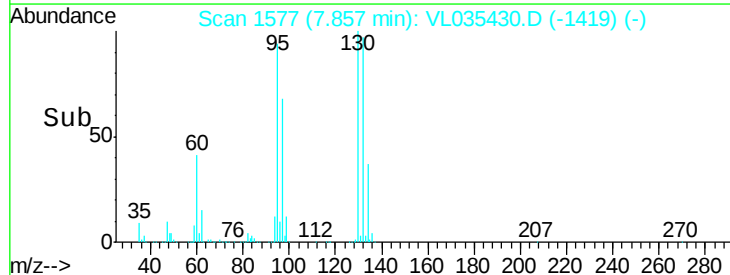
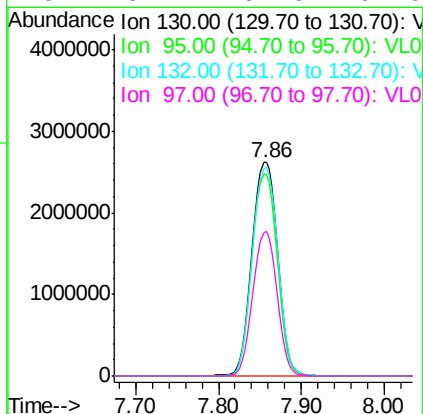
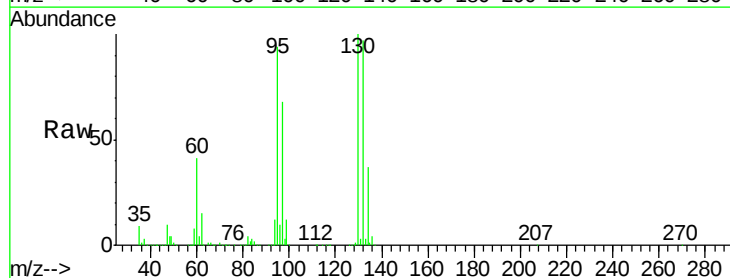
Instrument :
 MSVOA_L
 ClientSampleId :
 E053-1100

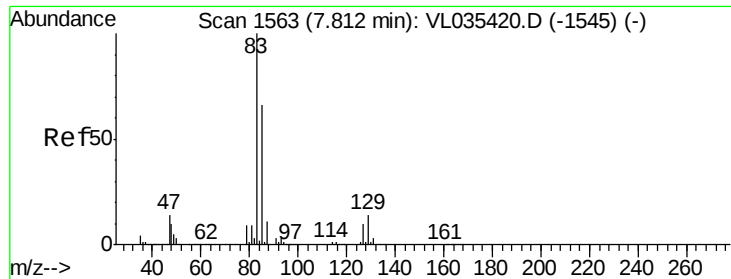
Tot Ion:114 Resp: 4723072
 Ion Ratio Lower Upper
 114 100
 63 17.6 23.1 34.7#
 88 16.4 15.9 23.9



#38
 Trichloroethene
 Concen: 29.372 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: VL035430.D
 Acq: 17 Aug 2020 23:47

Tgt Ion:130 Resp: 5663745
 Ion Ratio Lower Upper
 130 100
 95 93.9 95.8 143.8#
 132 97.4 74.3 111.5
 97 67.7 62.6 94.0





#42

Bromodichloromethane

Concen: 31.779 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VL035430.D

Acq: 17 Aug 2020 23:47

Instrument :

MSVOA_L

ClientSampleId :

E053-1100

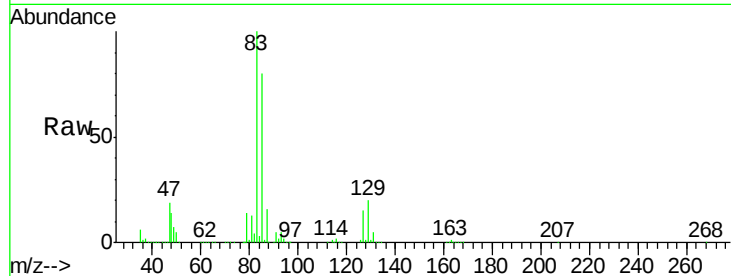
Tot Ion: 83 Resp: 8424564

Ion Ratio Lower Upper

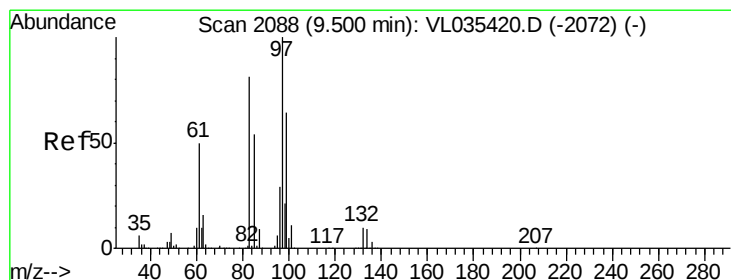
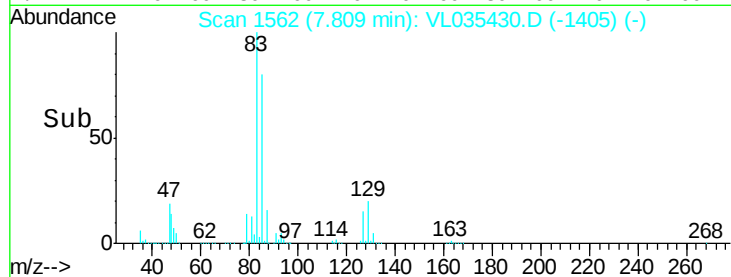
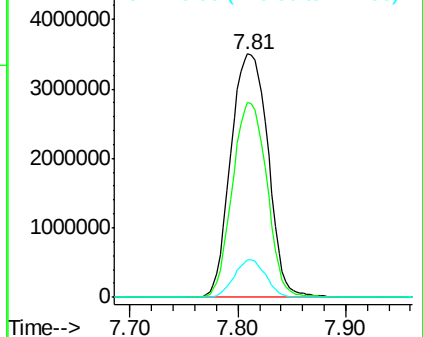
83 100

85 79.9 54.8 82.2

127 15.3 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: 24.358 ppbv

RT: 9.50 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VL035430.D

Acq: 17 Aug 2020 23:47

Tgt Ion: 97 Resp: 4156645

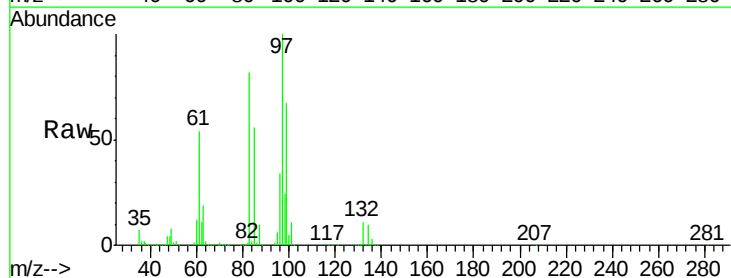
Ion Ratio Lower Upper

97 100

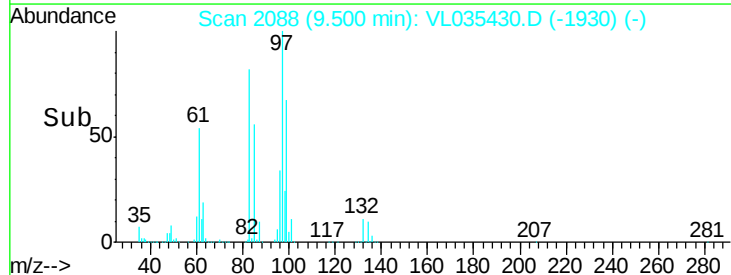
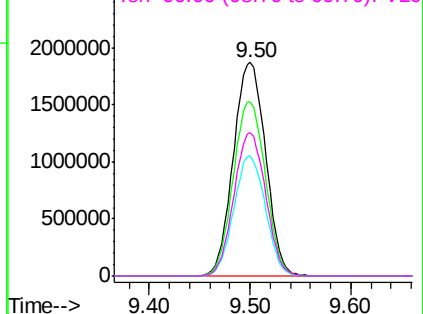
83 81.8 72.1 108.1

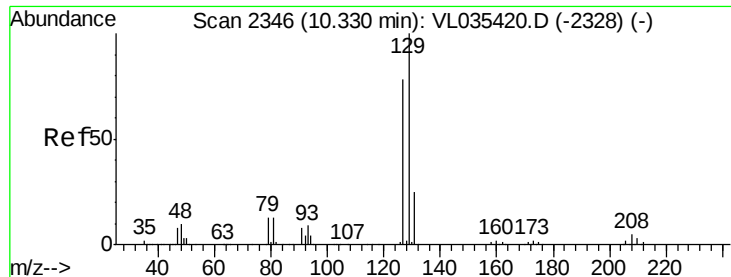
85 56.1 46.8 70.2

99 67.1 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: 25.215 ppbv

RT: 10.33 min Scan# 2346

Delta R.T. 0.01 min

Lab File: VL035430.D

Acq: 17 Aug 2020 23:47

Instrument :

MSVOA_L

ClientSampleId :

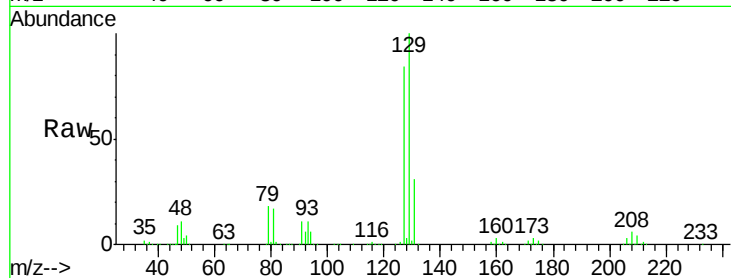
E053-1100

Tot Ion:129 Resp: 7218072

Ion Ratio Lower Upper

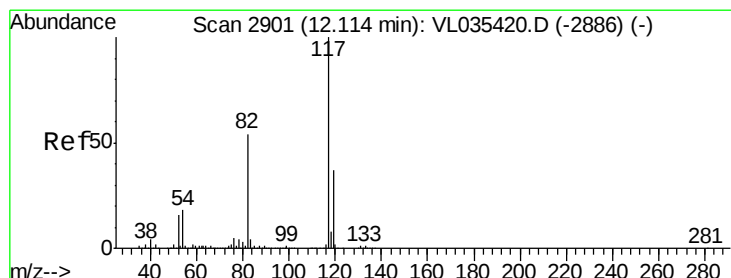
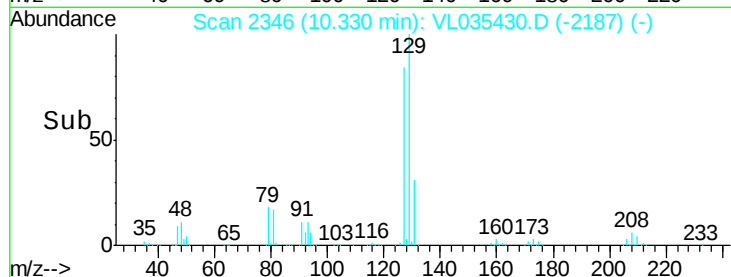
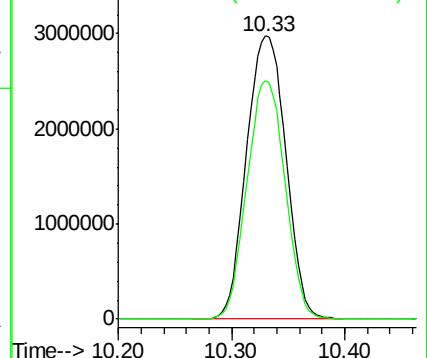
129 100

127 81.7 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# 2901

Delta R.T. 0.01 min

Lab File: VL035430.D

Acq: 17 Aug 2020 23:47

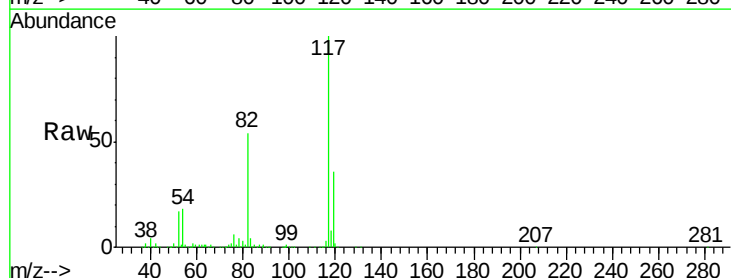
Tgt Ion:117 Resp: 4690186

Ion Ratio Lower Upper

117 100

82 52.9 57.4 86.0#

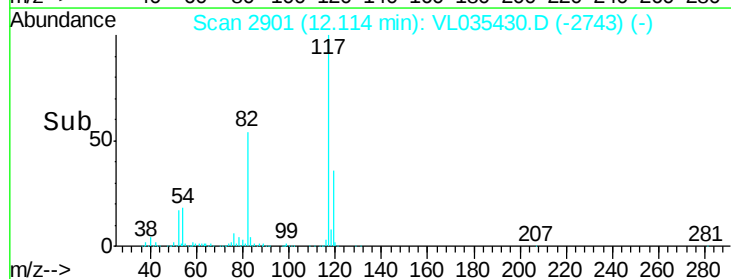
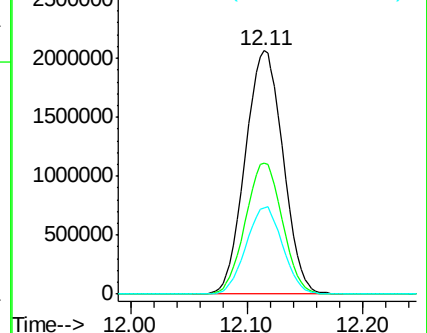
119 34.7 28.4 42.6

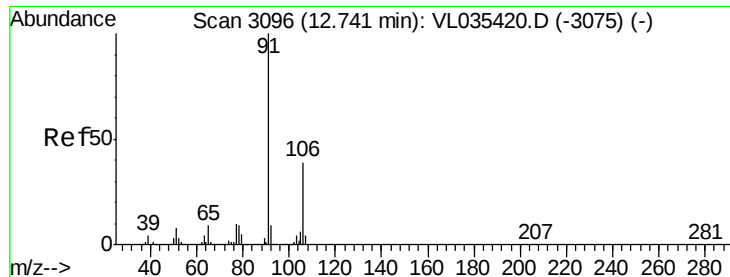


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#58

Ethyl Benzene

Concen: 17.131 ppbv

RT: 12.74 min Scan# 3096

Delta R.T. 0.01 min

Lab File: VL035430.D

Acq: 17 Aug 2020 23:47

Instrument :

MSVOA_L

ClientSampleId :

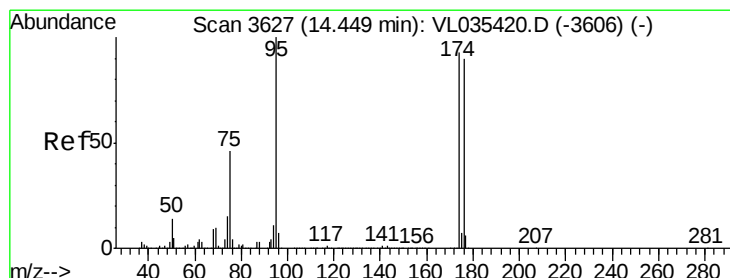
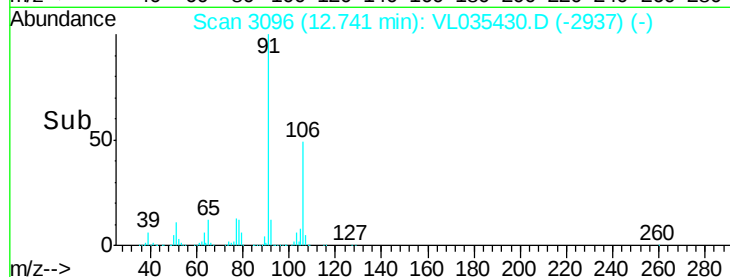
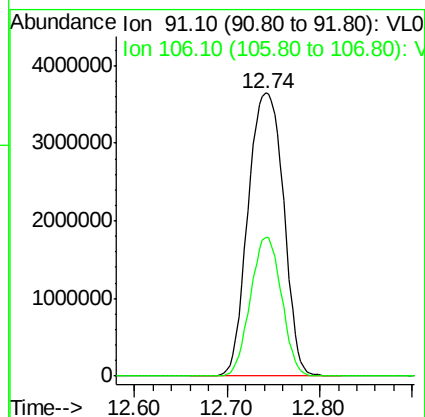
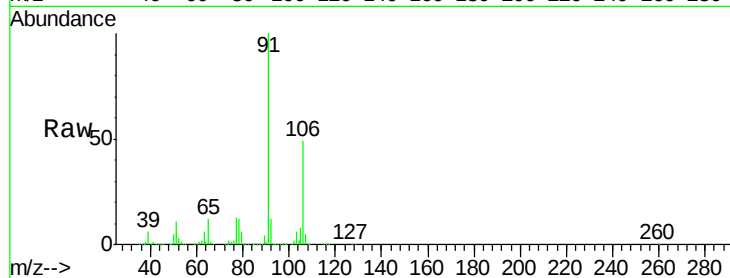
E053-1100

Tot Ion: 91 Resp: 9699566

Ion Ratio Lower Upper

91 100

106 49.0 24.1 36.1#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.562 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. 0.01 min

Lab File: VL035430.D

Acq: 17 Aug 2020 23:47

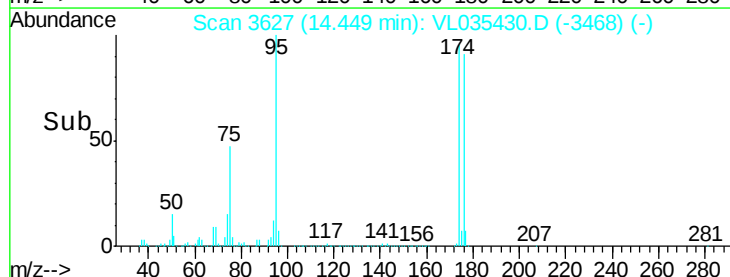
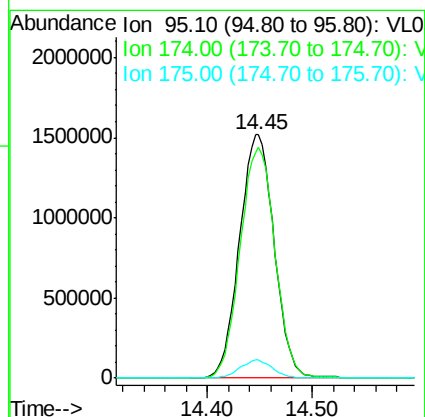
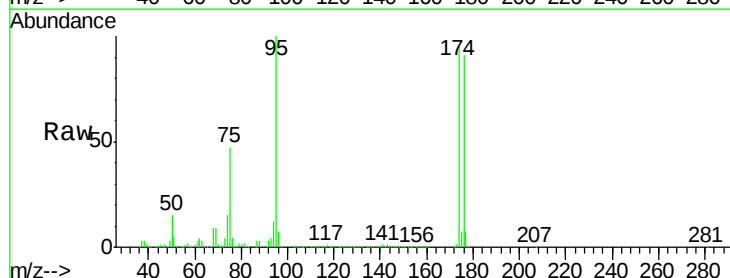
Tgt Ion: 95 Resp: 3467994

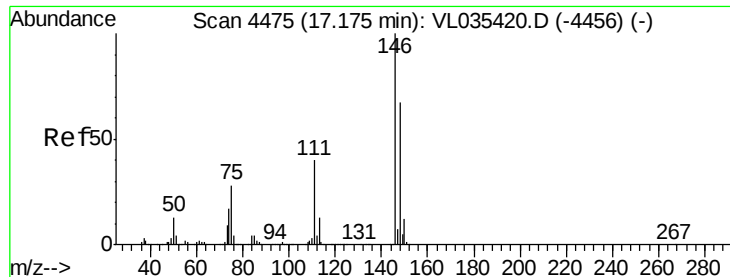
Ion Ratio Lower Upper

95 100

174 95.6 44.0 66.0#

175 7.0 3.2 4.8#





#76

1,4-Dichlorobenzene

Concen: 24.703 ppbv

RT: 17.18 min Scan# 4476

Delta R.T. 0.01 min

Lab File: VL035430.D

Acq: 17 Aug 2020 23:47

Instrument :

MSVOA_L

ClientSampleId :

E053-1100

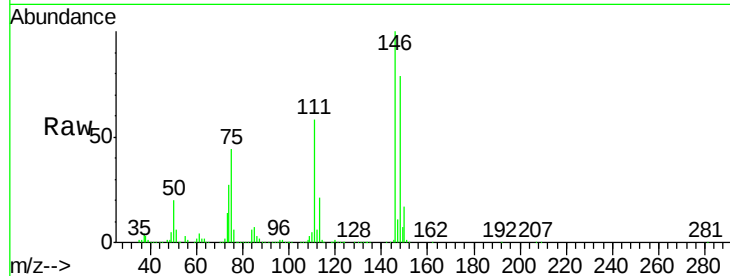
Tot Ion:146 Resp:11604407

Ion Ratio Lower Upper

146 100

111 49.2 24.8 74.4

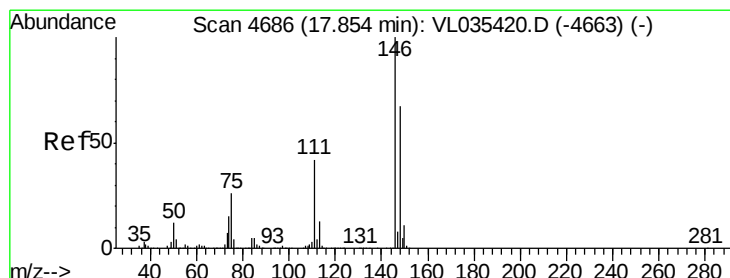
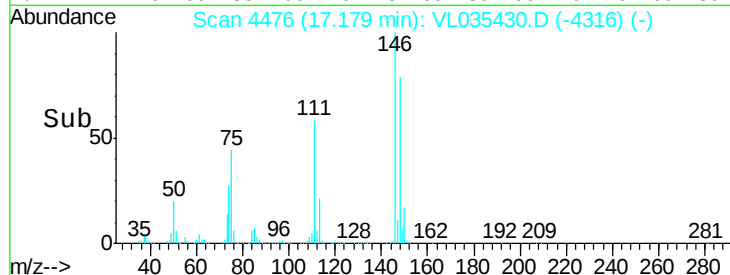
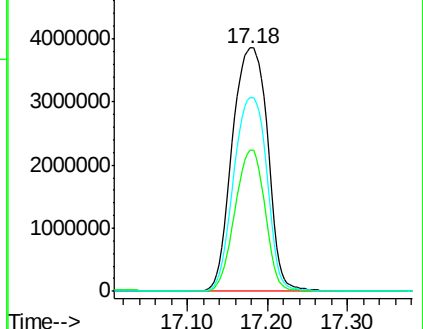
148 74.6 32.1 96.3



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: 24.332 ppbv

RT: 17.86 min Scan# 4688

Delta R.T. 0.01 min

Lab File: VL035430.D

Acq: 17 Aug 2020 23:47

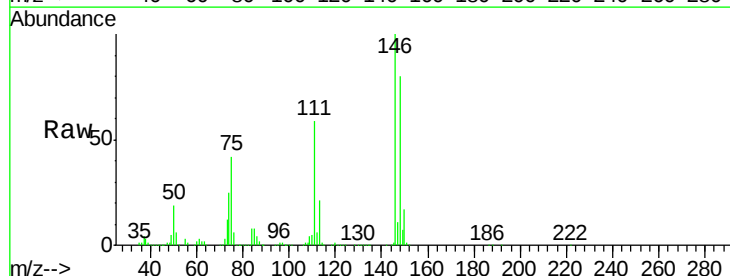
Tgt Ion:146 Resp:11360478

Ion Ratio Lower Upper

146 100

111 50.9 26.3 78.9

148 74.0 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

