

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082720\
 Data File : VL035516.D
 Acq On : 27 Aug 2020 11:15
 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 28 11:13:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 06:46:28 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	955980	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4082032	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	4134682	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3119229	10.62	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.20%

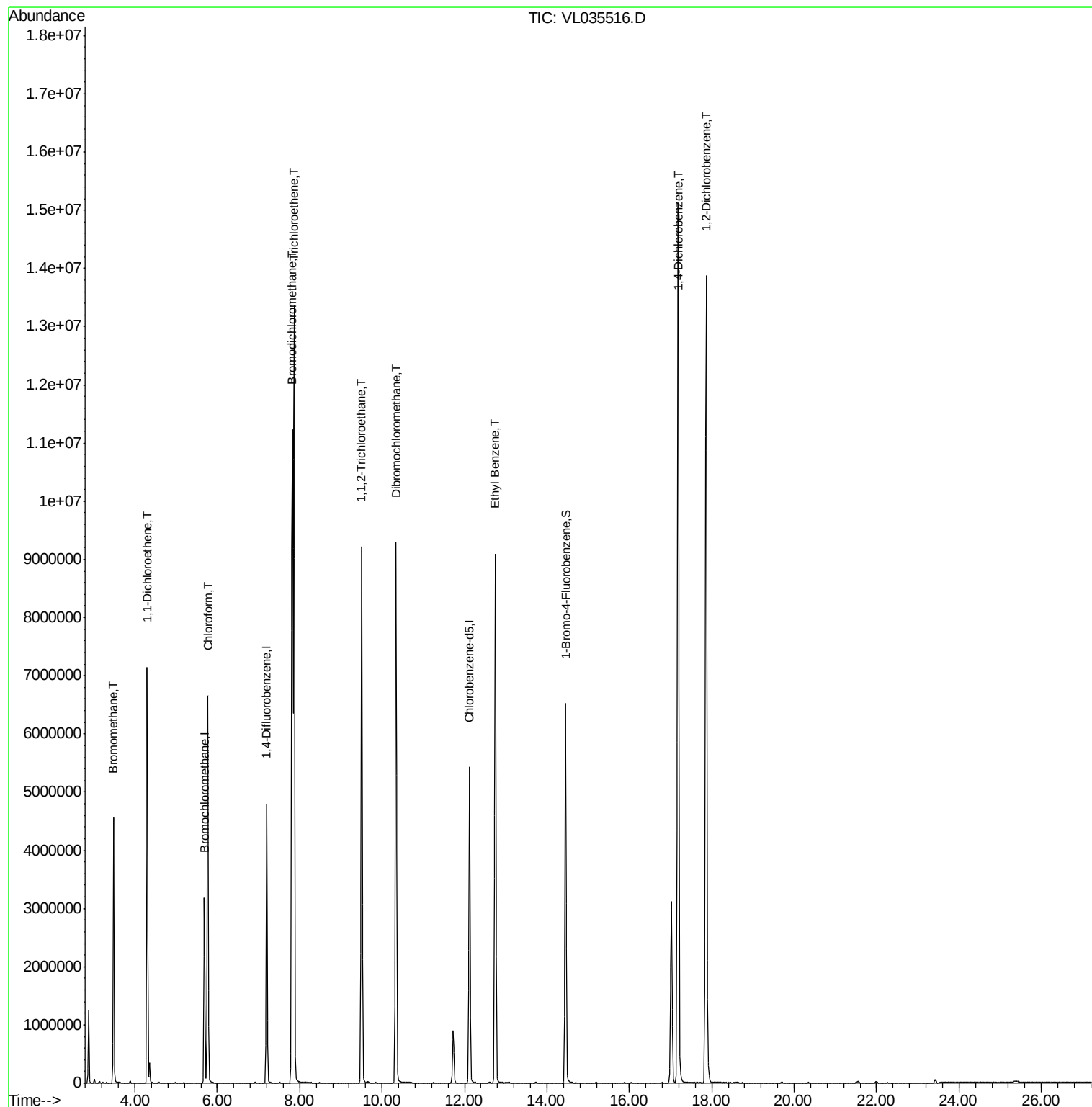
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
6) Bromomethane	3.48	94	2412652	41.130	ppbv	100
18) 1,1-Dichloroethene	4.30	96	2577434	32.098	ppbv	95
29) Chloroform	5.76	83	4785718	22.256	ppbv	95
38) Trichloroethene	7.86	130	4991003	32.517	ppbv	97
42) Bromodichloromethane	7.82	83	7726820	37.929	ppbv #	86
47) 1,1,2-Trichloroethane	9.50	97	3642959	27.658	ppbv	97
48) Dibromochloromethane	10.34	129	6311199	30.445	ppbv	97
58) Ethyl Benzene	12.75	91	8578639	20.120	ppbv #	86
76) 1,4-Dichlorobenzene	17.18	146	9288015	27.440	ppbv	91
77) 1,2-Dichlorobenzene	17.86	146	8921071	26.828	ppbv	92

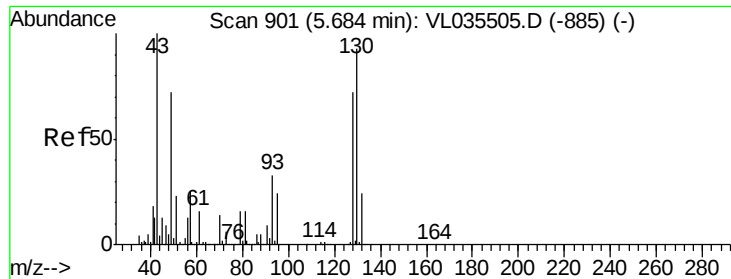
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL082720\
Data File : VL035516.D
Acq On : 27 Aug 2020 11:15
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 28 11:13:46 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 06:46:28 2020
QLast Update : Thu Aug 27 06:46:28 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.00 min

Lab File: VL035516.D

Acq: 27 Aug 2020 11:15

Instrument :

MSVOA_L

ClientSampleId :

E053-1100

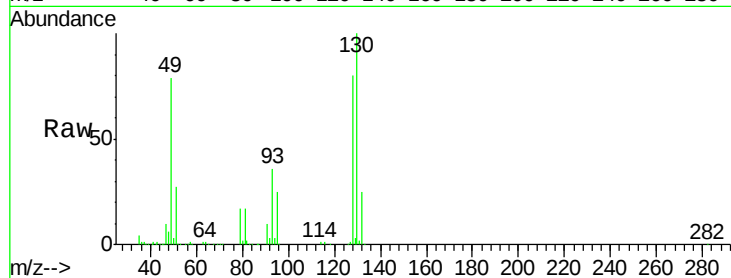
Tot Ion: 49 Resp: 955980

Ion Ratio Lower Upper

49 100

128 99.2 50.0 150.1

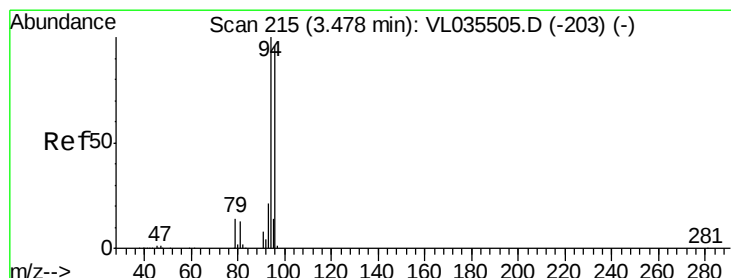
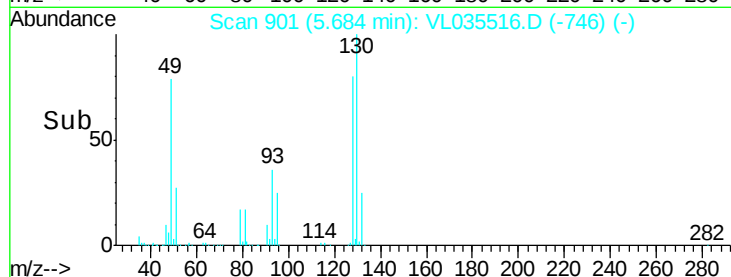
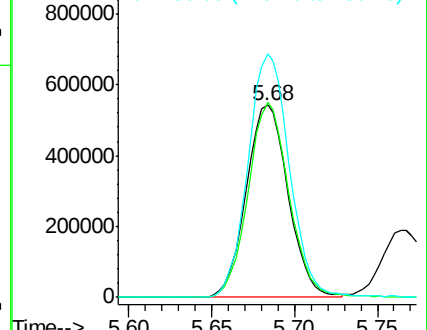
130 126.2 64.4 193.2



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: 41.130 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.00 min

Lab File: VL035516.D

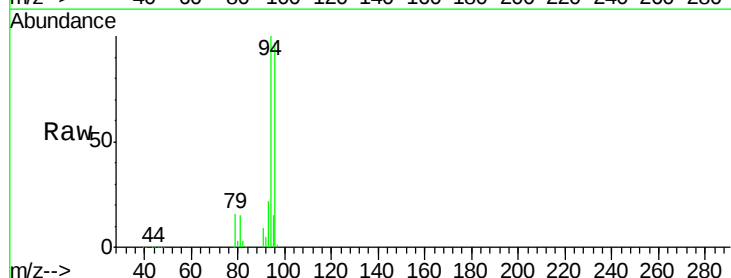
Acq: 27 Aug 2020 11:15

Tgt Ion: 94 Resp: 2412652

Ion Ratio Lower Upper

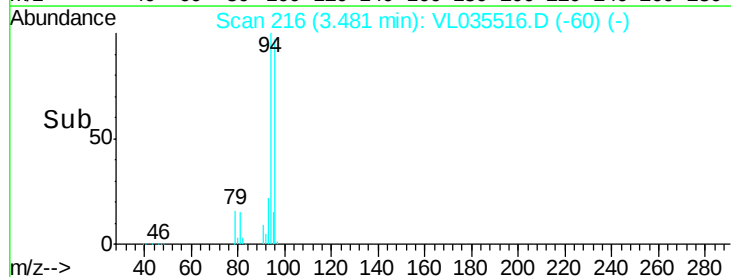
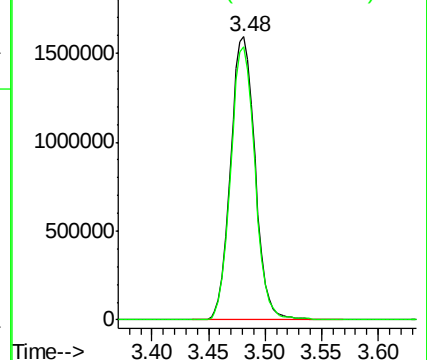
94 100

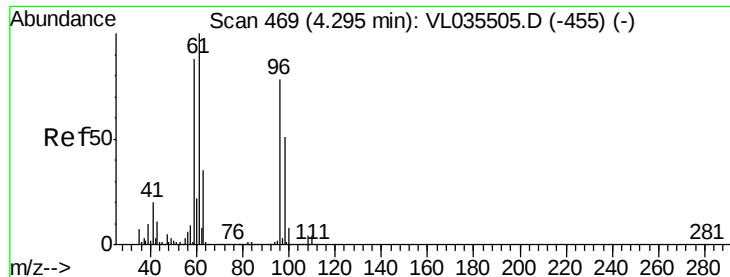
96 96.6 77.1 115.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#18

1,1-Dichloroethene

Concen: 32.098 ppbv

RT: 4.30 min Scan# 471

Delta R.T. 0.01 min

Lab File: VL035516.D

Acq: 27 Aug 2020 11:15

Instrument :

MSVOA_L

ClientSampleId :

E053-1100

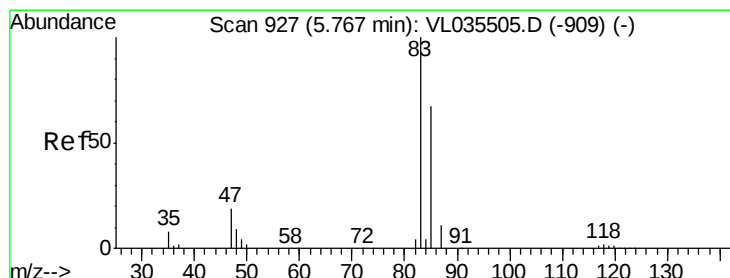
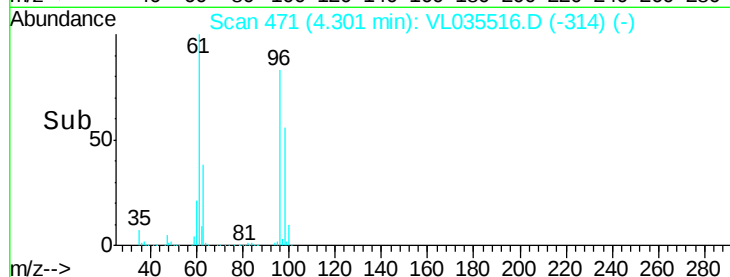
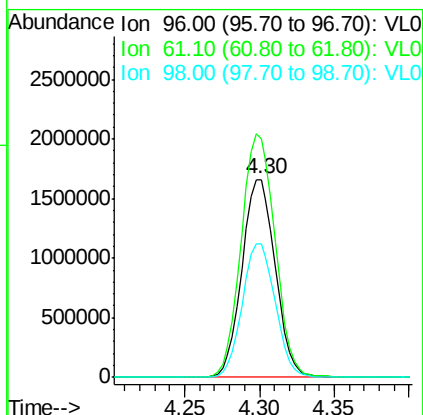
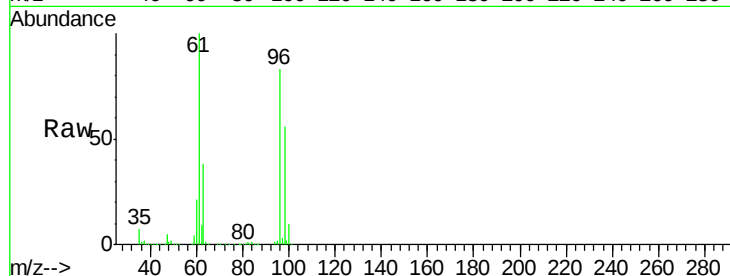
Tot Ion: 96 Resp: 2577434

Ion Ratio Lower Upper

96 100

61 120.9 103.0 154.6

98 67.4 52.8 79.2



#29

Chloroform

Concen: 22.256 ppbv

RT: 5.76 min Scan# 926

Delta R.T. -0.00 min

Lab File: VL035516.D

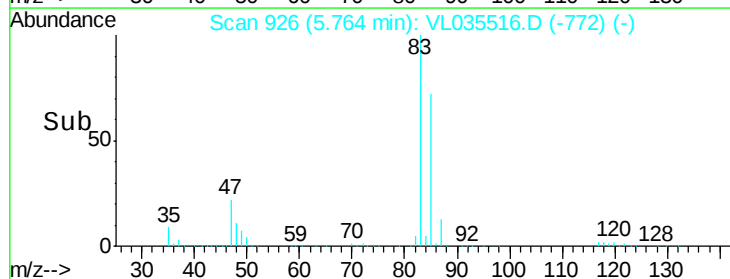
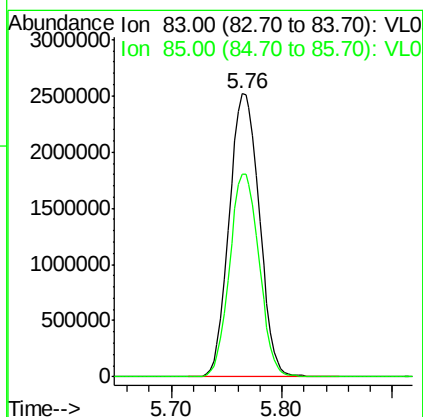
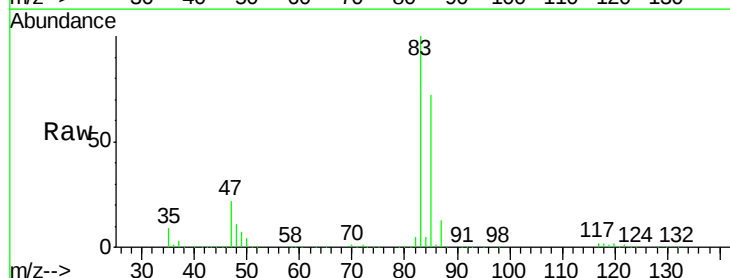
Acq: 27 Aug 2020 11:15

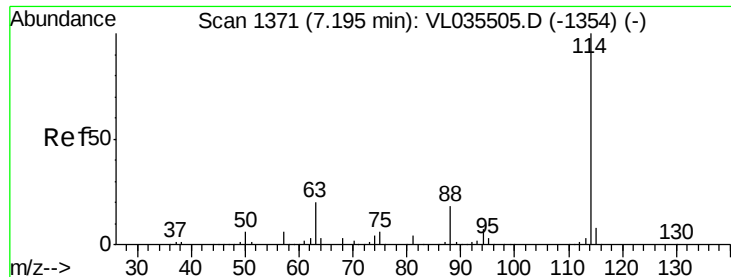
Tgt Ion: 83 Resp: 4785718

Ion Ratio Lower Upper

83 100

85 71.6 53.9 80.9

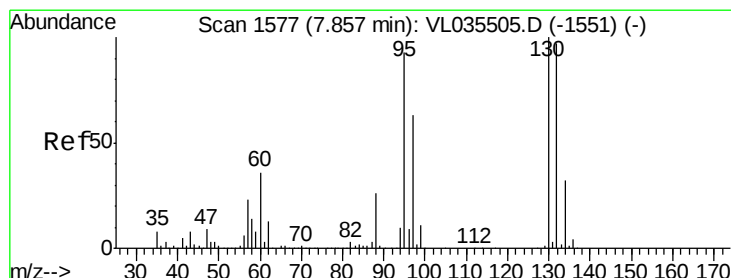
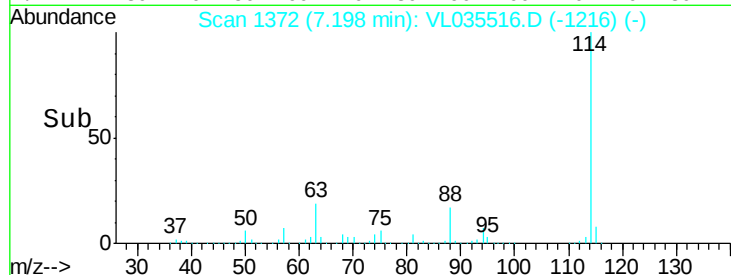
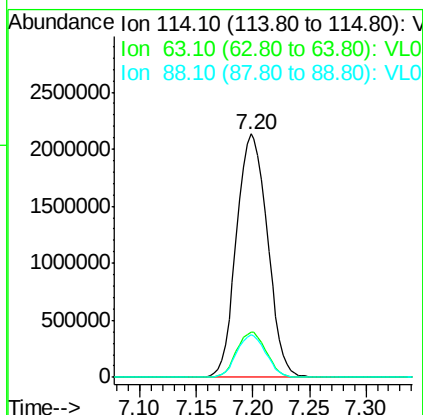
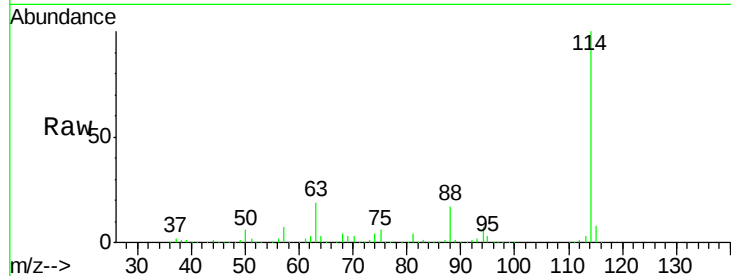




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1372
 Delta R.T. 0.00 min
 Lab File: VL035516.D
 Acq: 27 Aug 2020 11:15

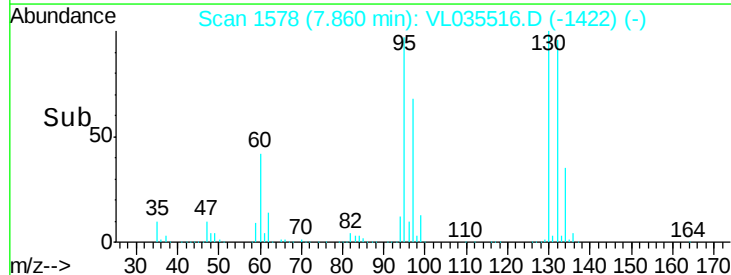
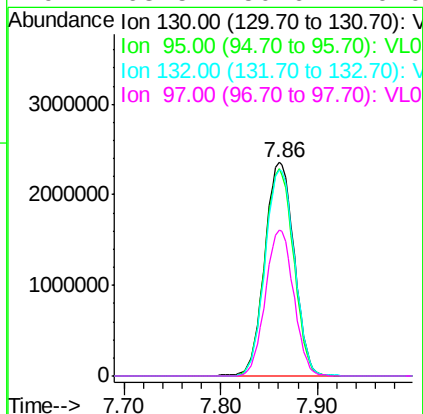
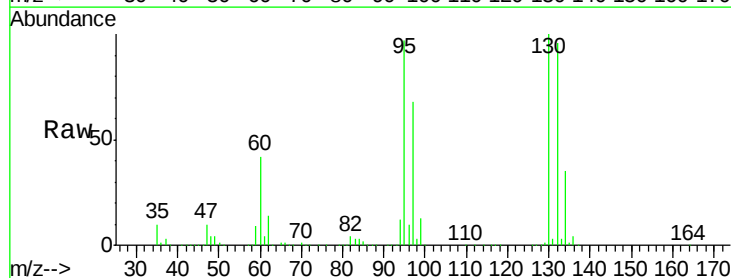
Instrument :
 MSVOA_L
 ClientSampleId :
 E053-1100

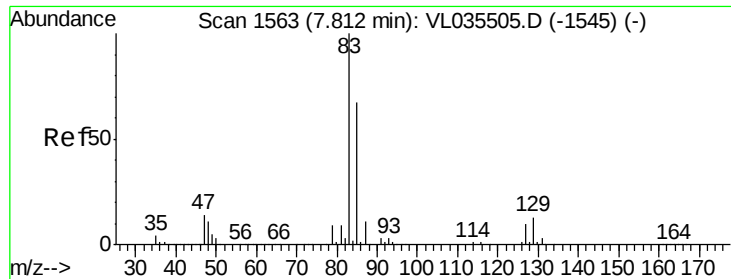
Tot Ion:114 Resp: 4082032
 Ion Ratio Lower Upper
 114 100
 63 18.0 14.7 22.1
 88 16.5 13.4 20.2



#38
 Trichloroethene
 Concen: 32.517 ppbv
 RT: 7.86 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VL035516.D
 Acq: 27 Aug 2020 11:15

Tgt Ion:130 Resp: 4991003
 Ion Ratio Lower Upper
 130 100
 95 97.0 74.6 112.0
 132 96.3 77.6 116.4
 97 68.5 50.6 76.0





#42

Bromodichloromethane

Concen: 37.929 ppbv

RT: 7.82 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VL035516.D

Acq: 27 Aug 2020 11:15

Instrument :

MSVOA_L

ClientSampleId :

E053-1100

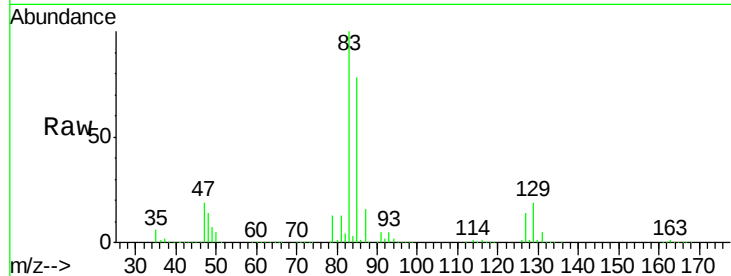
Tot Ion: 83 Resp: 7726820

Ion Ratio Lower Upper

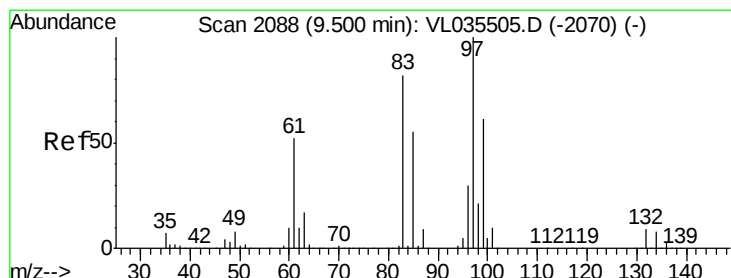
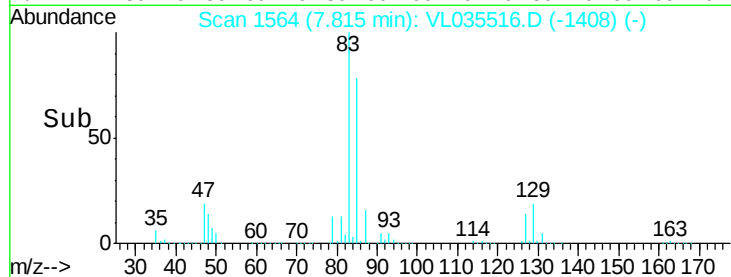
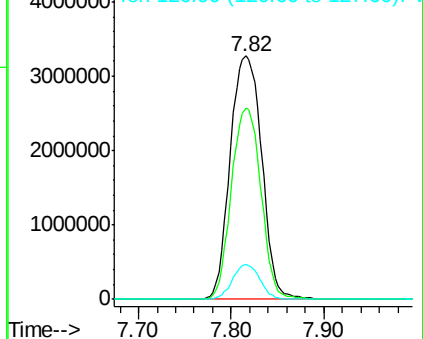
83 100

85 78.4 53.7 80.5

127 14.3 8.1 12.1#



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): VL0



#47

1,1,2-Trichloroethane

Concen: 27.658 ppbv

RT: 9.50 min Scan# 2089

Delta R.T. 0.00 min

Lab File: VL035516.D

Acq: 27 Aug 2020 11:15

Tgt Ion: 97 Resp: 3642959

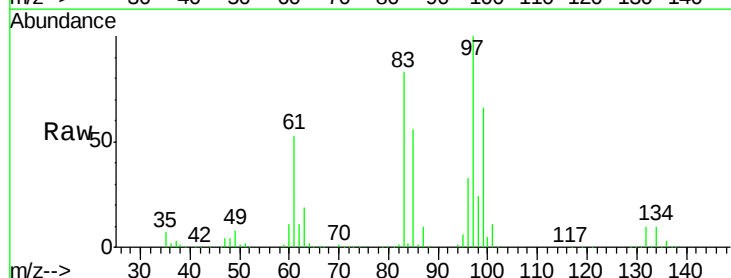
Ion Ratio Lower Upper

97 100

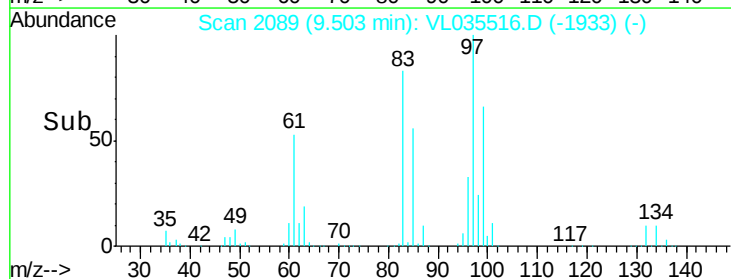
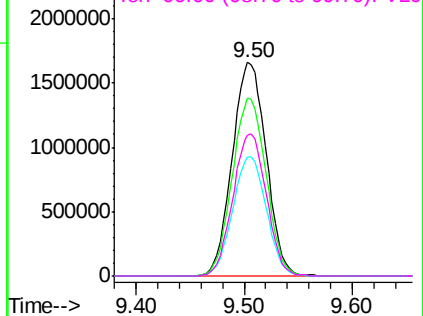
83 83.0 65.4 98.2

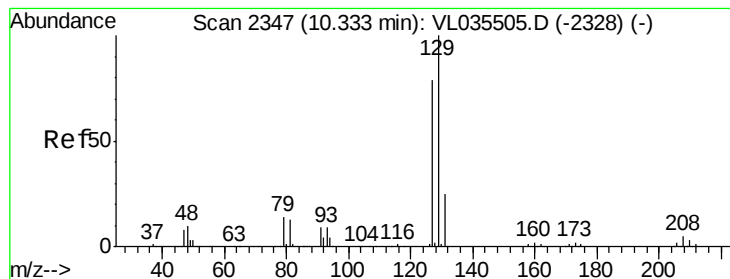
85 55.7 43.7 65.5

99 66.0 49.1 73.7



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: 30.445 ppbv

RT: 10.34 min Scan# 2349

Delta R.T. 0.01 min

Lab File: VL035516.D

Acq: 27 Aug 2020 11:15

Instrument :

MSVOA_L

ClientSampleId :

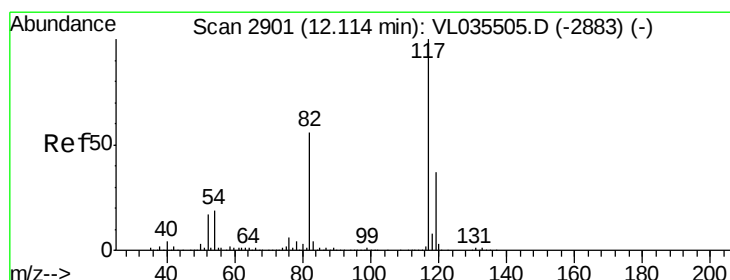
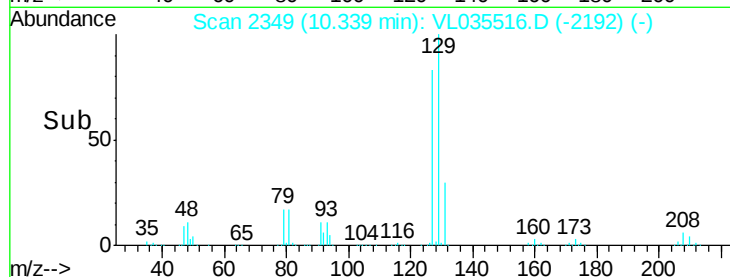
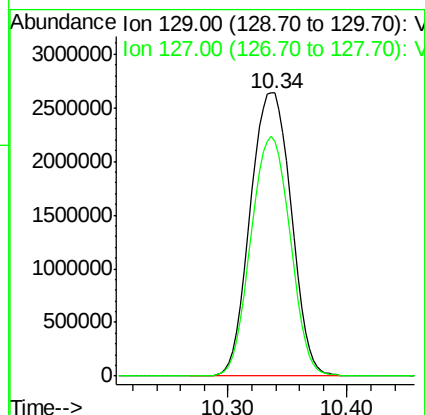
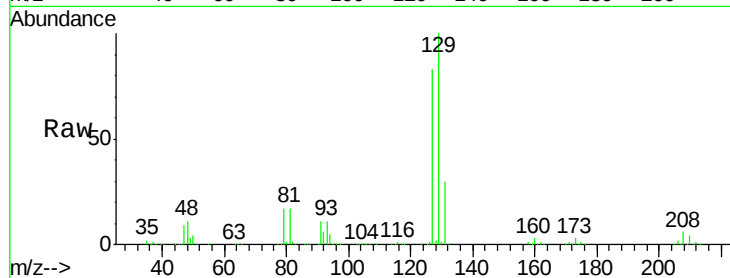
E053-1100

Tot Ion:129 Resp: 6311199

Ion Ratio Lower Upper

129 100

127 81.5 39.3 117.8



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2903

Delta R.T. 0.01 min

Lab File: VL035516.D

Acq: 27 Aug 2020 11:15

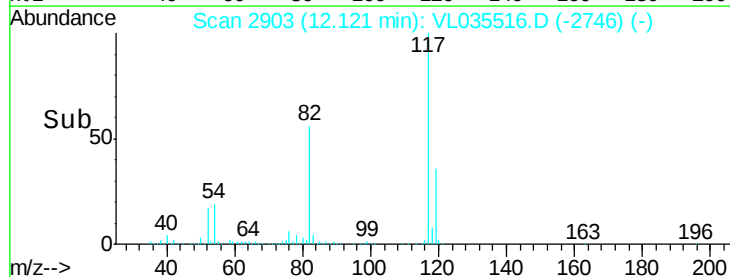
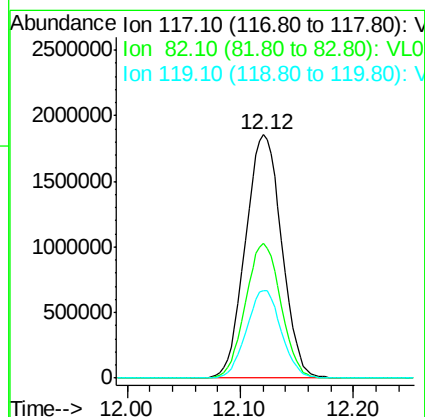
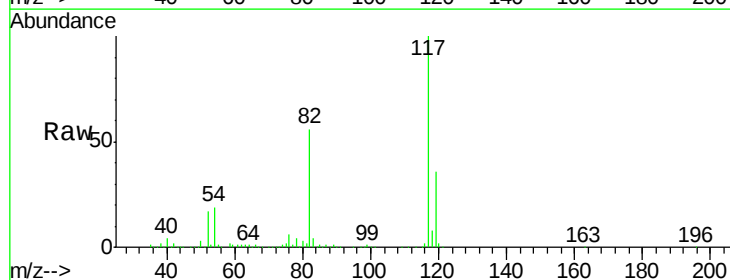
Tgt Ion:117 Resp: 4134682

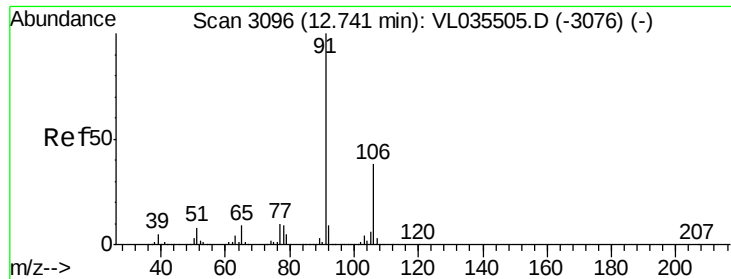
Ion Ratio Lower Upper

117 100

82 54.3 41.6 62.4

119 34.7 29.3 43.9





#58

Ethyl Benzene

Concen: 20.120 ppbv

RT: 12.75 min Scan# 3098

Delta R.T. 0.01 min

Lab File: VL035516.D

Acq: 27 Aug 2020 11:15

Instrument :

MSVOA_L

ClientSampleId :

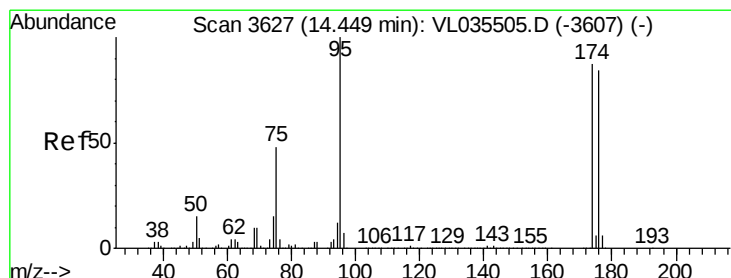
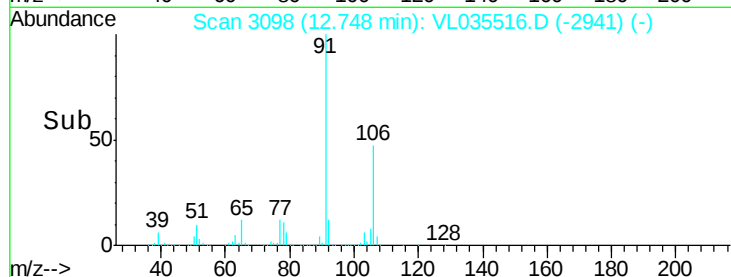
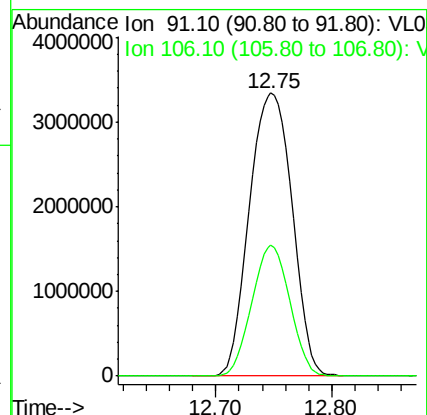
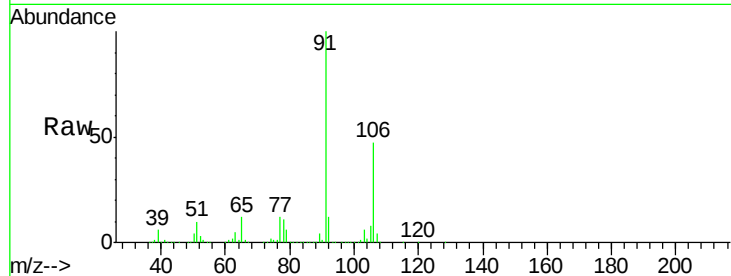
E053-1100

Tot Ion: 91 Resp: 8578639

Ion Ratio Lower Upper

91 100

106 46.5 30.3 45.5#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.623 ppbv

RT: 14.45 min Scan# 3628

Delta R.T. 0.00 min

Lab File: VL035516.D

Acq: 27 Aug 2020 11:15

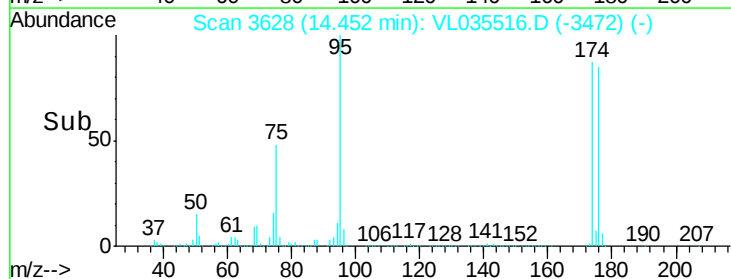
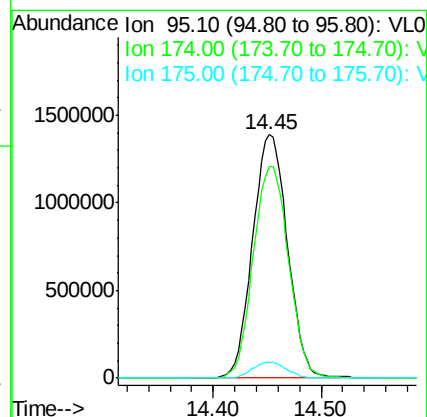
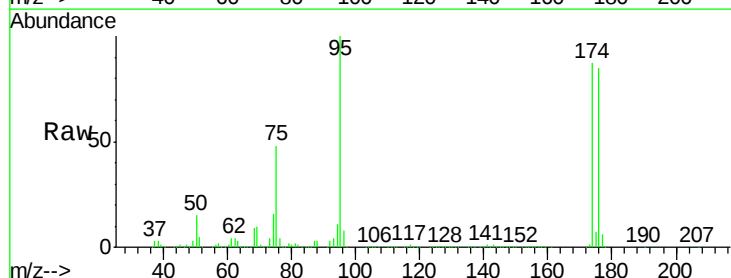
Tgt Ion: 95 Resp: 3119229

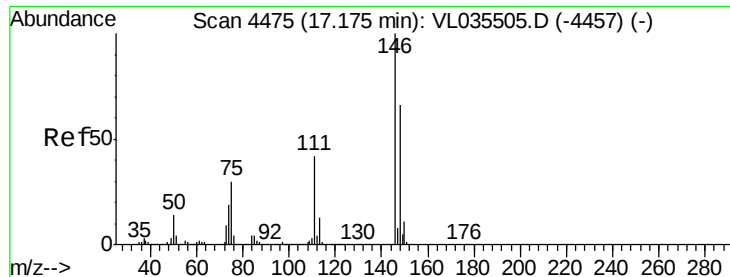
Ion Ratio Lower Upper

95 100

174 88.8 69.6 104.4

175 6.5 5.1 7.7





#76

1,4-Dichlorobenzene

Concen: 27.440 ppbv

RT: 17.18 min Scan# 4477

Delta R.T. 0.01 min

Lab File: VL035516.D

Acq: 27 Aug 2020 11:15

Instrument :

MSVOA_L

ClientSampleId :

E053-1100

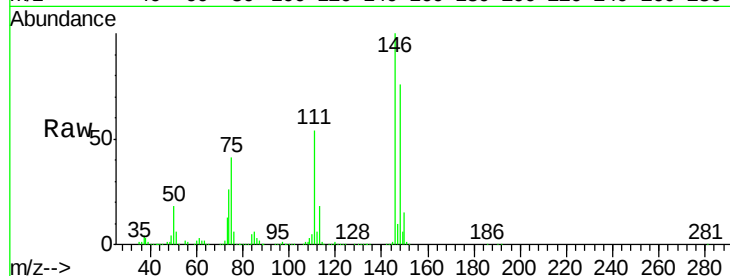
Tot Ion:146 Resp: 9288015

Ion Ratio Lower Upper

146 100

111 47.3 20.0 60.0

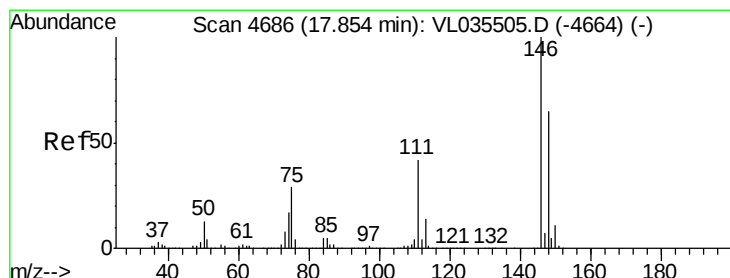
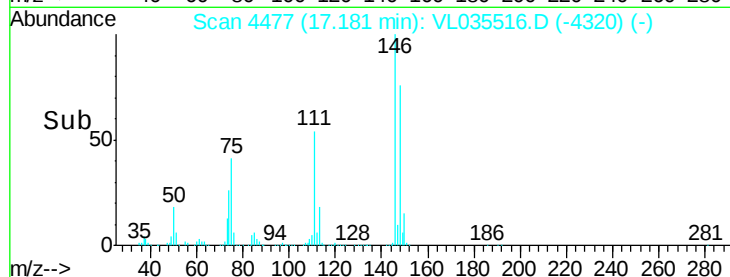
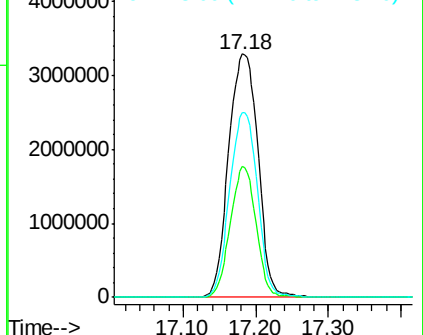
148 71.9 33.2 99.6



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: 26.828 ppbv

RT: 17.86 min Scan# 4689

Delta R.T. 0.01 min

Lab File: VL035516.D

Acq: 27 Aug 2020 11:15

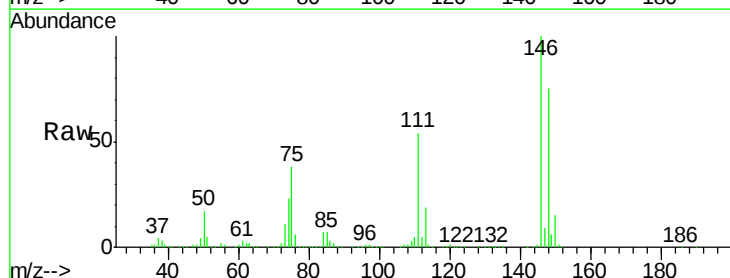
Tgt Ion:146 Resp: 8921071

Ion Ratio Lower Upper

146 100

111 48.6 21.1 63.3

148 71.0 32.9 98.7



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

