

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082720\
 Data File : VL035515.D
 Acq On : 27 Aug 2020 10:33
 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 28 11:12:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	1013860	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4334416	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	4344464	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3173232	10.29	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

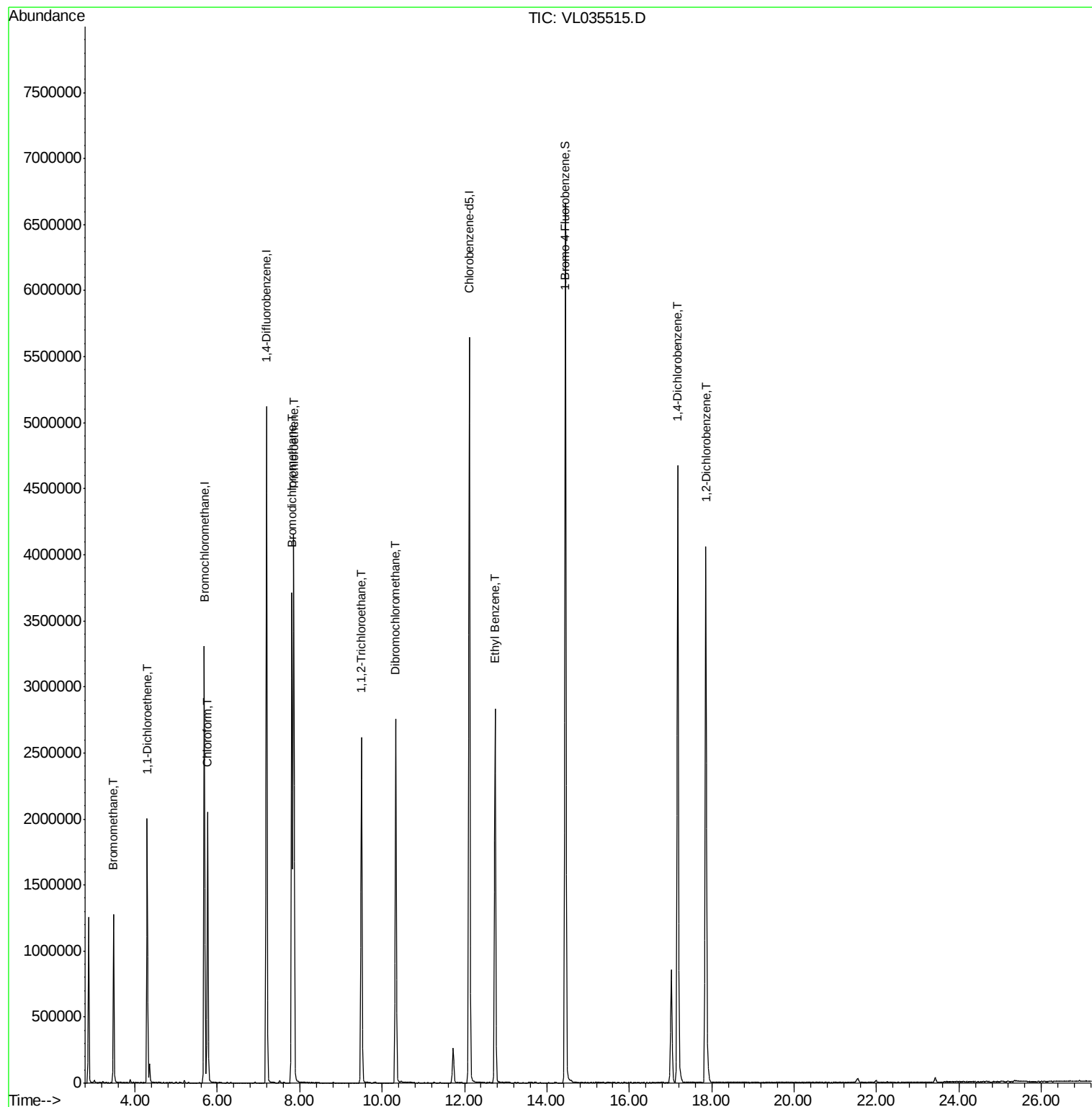
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
6) Bromomethane	3.48	94	670365	10.776	ppbv	100
18) 1,1-Dichloroethene	4.30	96	701599	8.238	ppbv	98
29) Chloroform	5.76	83	1421256	6.232	ppbv	100
38) Trichloroethene	7.86	130	1517688	9.312	ppbv	98
42) Bromodichloromethane	7.81	83	2549660	11.787	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	1011312	7.231	ppbv	99
48) Dibromochloromethane	10.33	129	1818143	8.260	ppbv	100
58) Ethyl Benzene	12.74	91	2729105	6.092	ppbv	95
76) 1,4-Dichlorobenzene	17.18	146	3044401	8.560	ppbv	98
77) 1,2-Dichlorobenzene	17.86	146	2771663	7.933	ppbv	99

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
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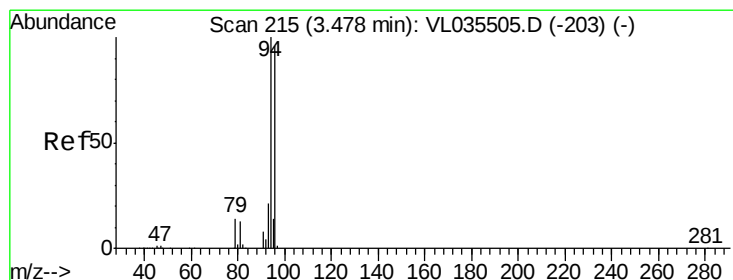
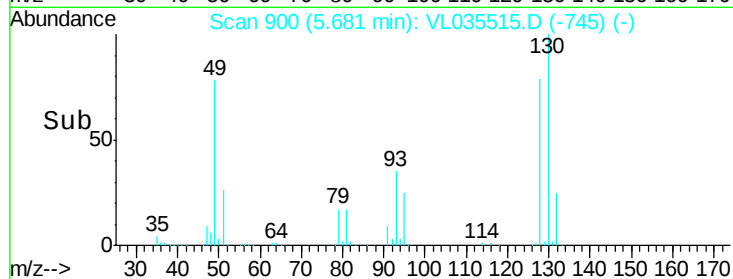
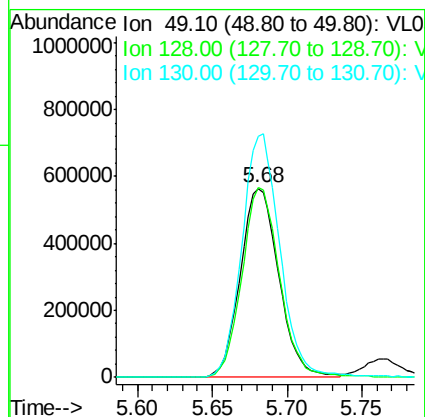
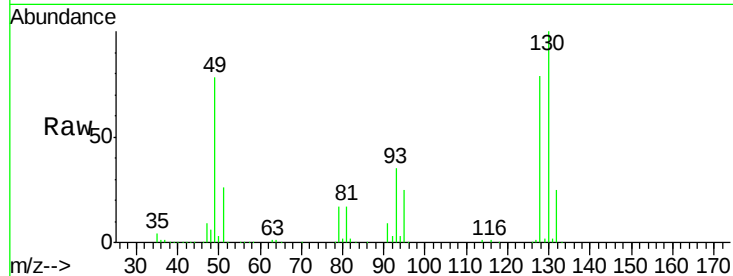




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.68 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VL035515.D
 Acq: 27 Aug 2020 10:33

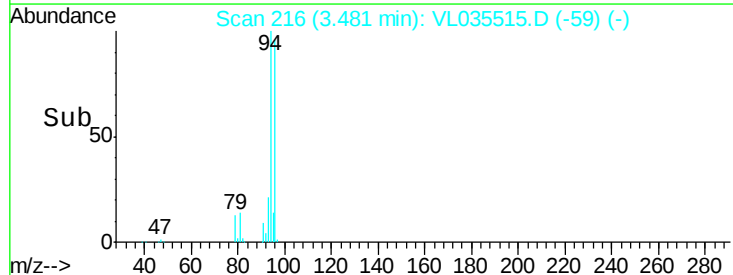
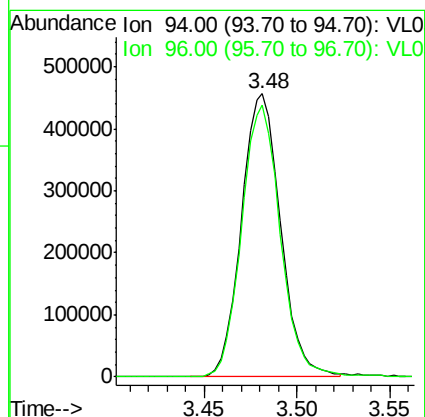
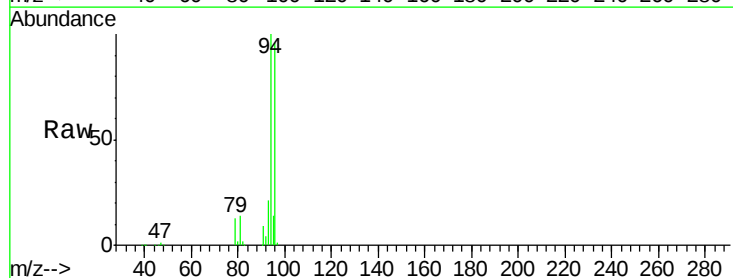
Instrument :
 MSVOA_L
 ClientSampleId :
 E053-1100DL

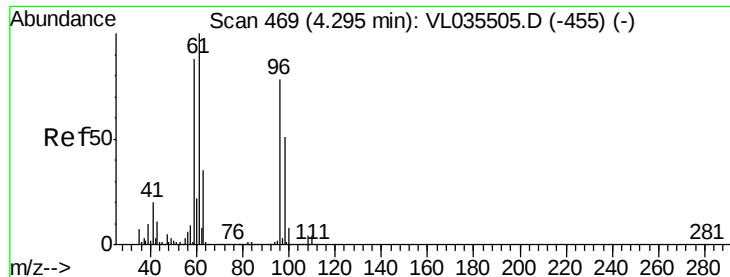
Tot Ion: 49 Resp: 1013860
 Ion Ratio Lower Upper
 49 100
 128 98.8 50.0 150.1
 130 128.0 64.4 193.2



#6
 Bromomethane
 Concen: 10.776 ppbv
 RT: 3.48 min Scan# 216
 Delta R.T. 0.00 min
 Lab File: VL035515.D
 Acq: 27 Aug 2020 10:33

Tgt Ion: 94 Resp: 670365
 Ion Ratio Lower Upper
 94 100
 96 96.1 77.1 115.7





#18

1,1-Dichloroethene

Concen: 8.238 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.00 min

Lab File: VL035515.D

Acq: 27 Aug 2020 10:33

Instrument :

MSVOA_L

ClientSampleId :

E053-1100DL

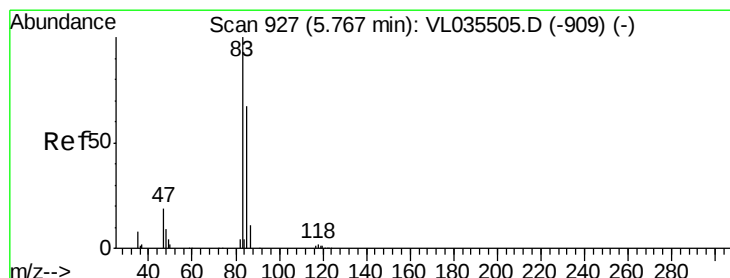
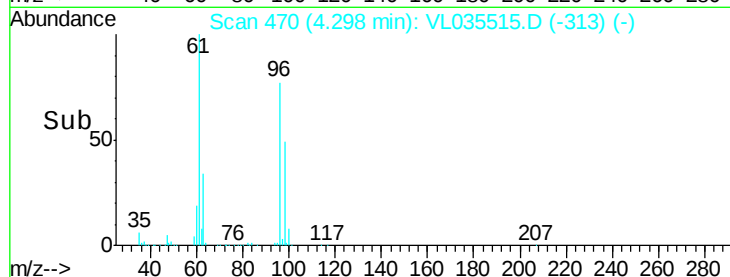
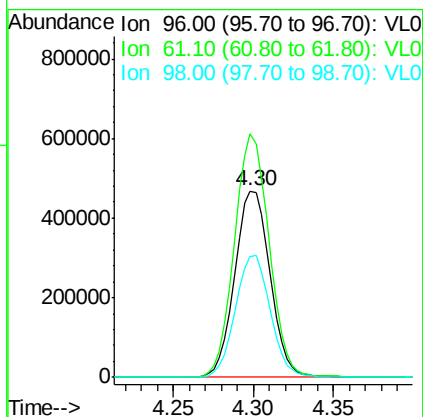
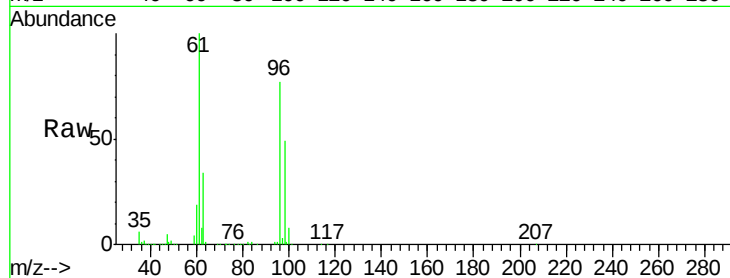
Tot Ion: 96 Resp: 701599

Ion Ratio Lower Upper

96 100

61 130.4 103.0 154.6

98 64.6 52.8 79.2



#29

Chloroform

Concen: 6.232 ppbv

RT: 5.76 min Scan# 926

Delta R.T. -0.00 min

Lab File: VL035515.D

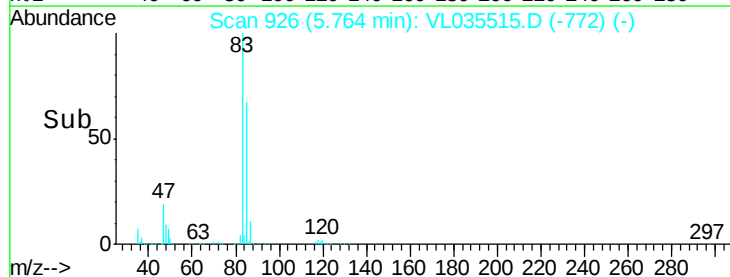
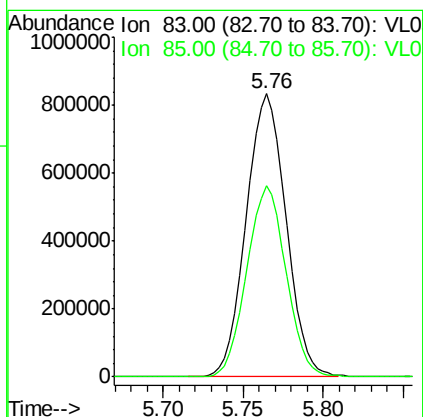
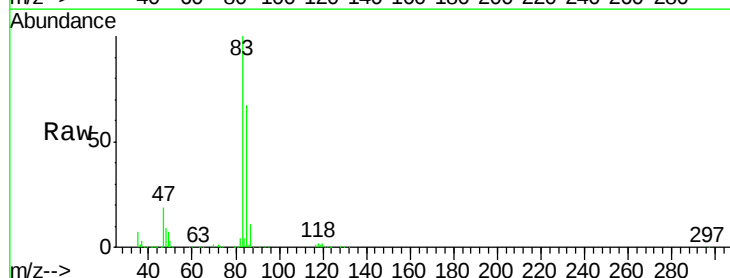
Acq: 27 Aug 2020 10:33

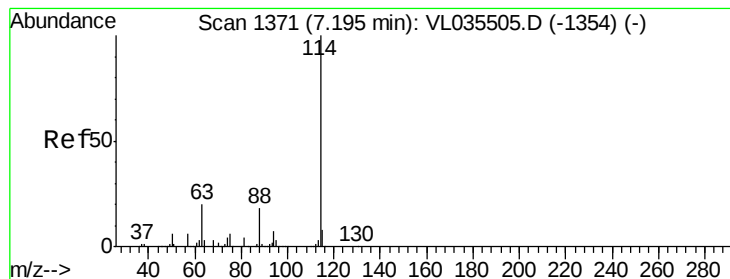
Tgt Ion: 83 Resp: 1421256

Ion Ratio Lower Upper

83 100

85 67.4 53.9 80.9





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VL035515.D

Acq: 27 Aug 2020 10:33

Instrument :

MSVOA_L

ClientSampleId :

E053-1100DL

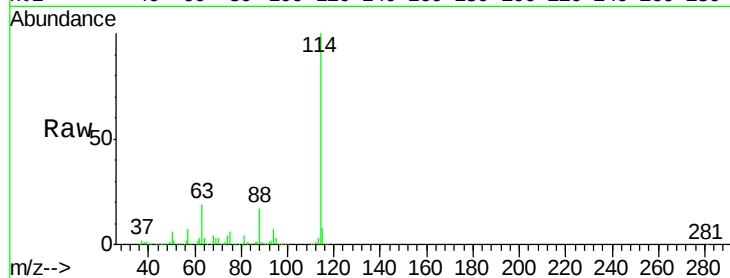
Tot Ion:114 Resp: 4334416

Ion Ratio Lower Upper

114 100

63 18.2 14.7 22.1

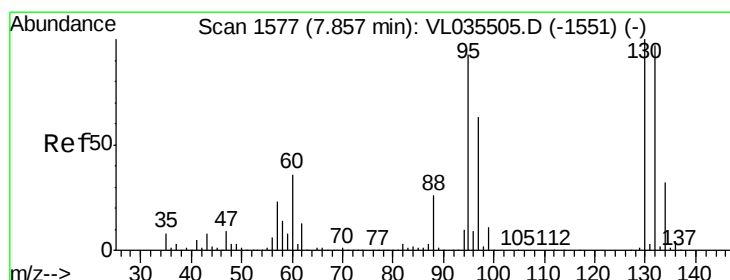
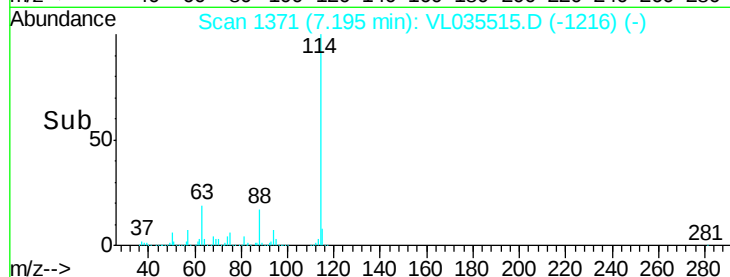
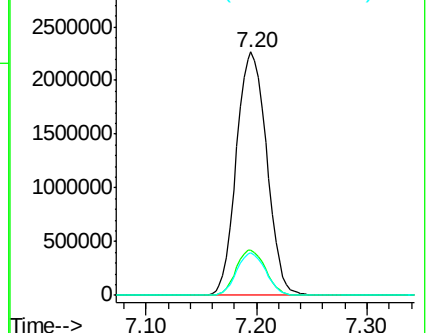
88 16.7 13.4 20.2



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: 9.312 ppbv

RT: 7.86 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VL035515.D

Acq: 27 Aug 2020 10:33

Tgt Ion:130 Resp: 1517688

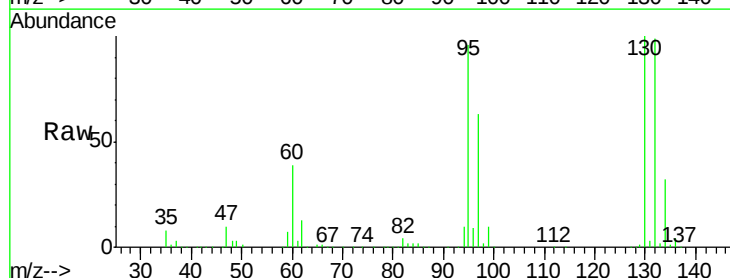
Ion Ratio Lower Upper

130 100

95 96.1 74.6 112.0

132 98.8 77.6 116.4

97 63.5 50.6 76.0

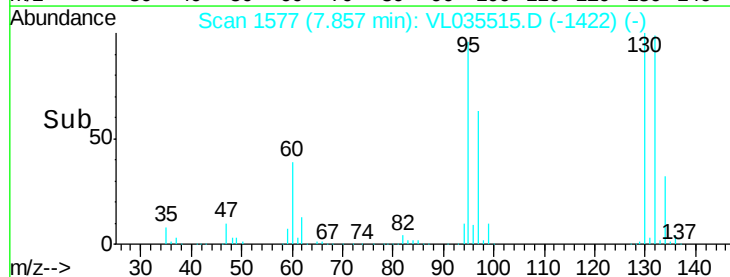
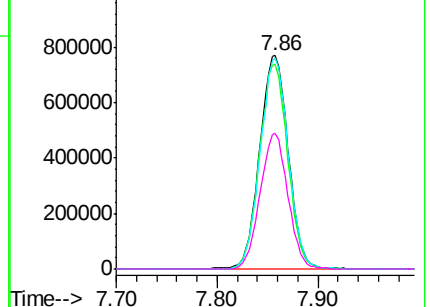


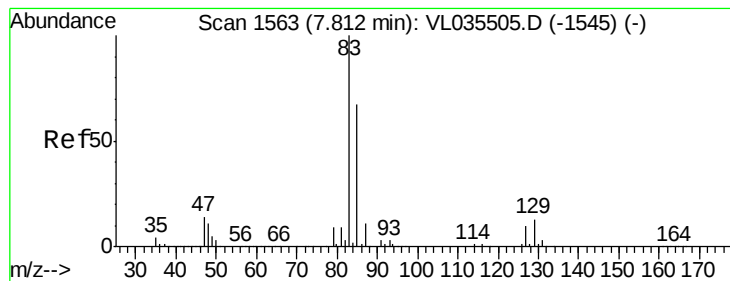
Abundance Ion 130.00 (129.70 to 130.70): V

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: 11.787 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VL035515.D

Acq: 27 Aug 2020 10:33

Instrument :

MSVOA_L

ClientSampleId :

E053-1100DL

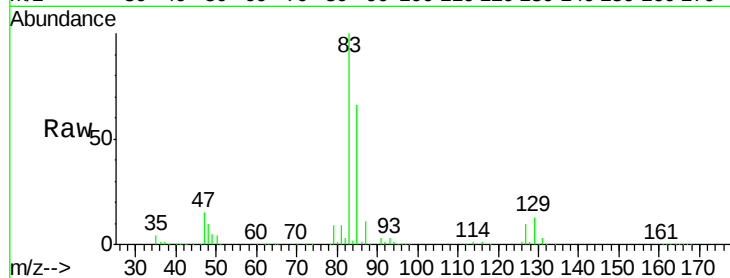
Tot Ion: 83 Resp: 2549660

Ion Ratio Lower Upper

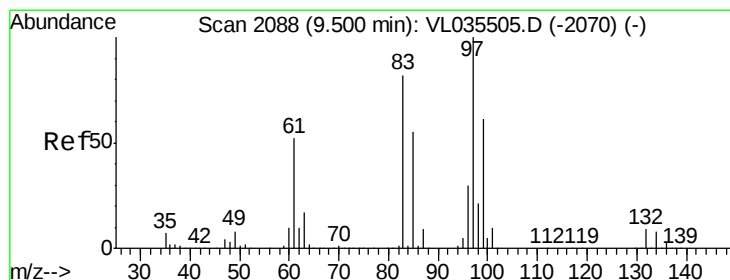
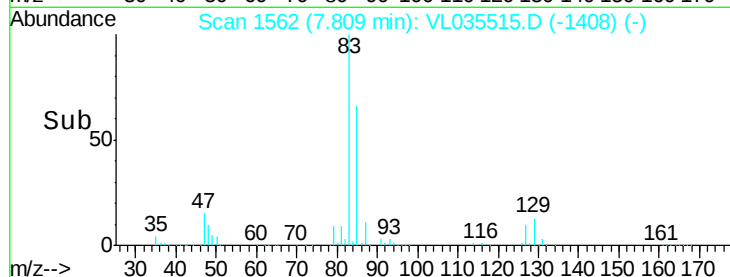
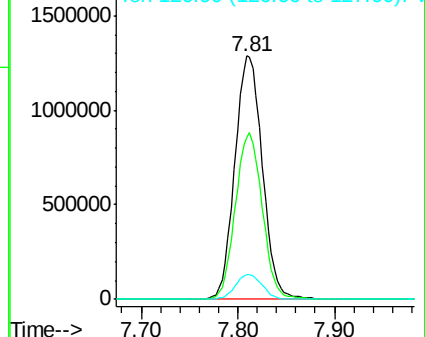
83 100

85 66.4 53.7 80.5

127 10.2 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): V



#47

1,1,2-Trichloroethane

Concen: 7.231 ppbv

RT: 9.50 min Scan# 2087

Delta R.T. -0.00 min

Lab File: VL035515.D

Acq: 27 Aug 2020 10:33

Tgt Ion: 97 Resp: 1011312

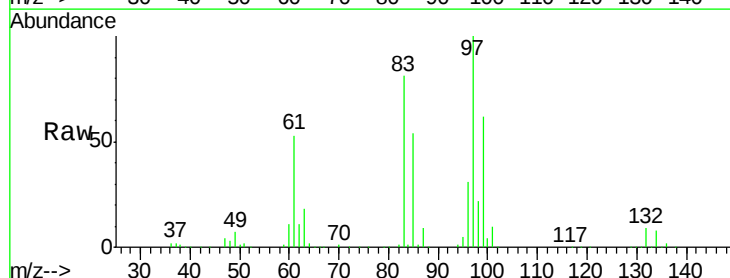
Ion Ratio Lower Upper

97 100

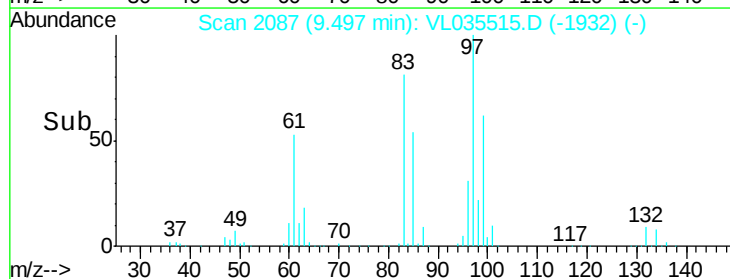
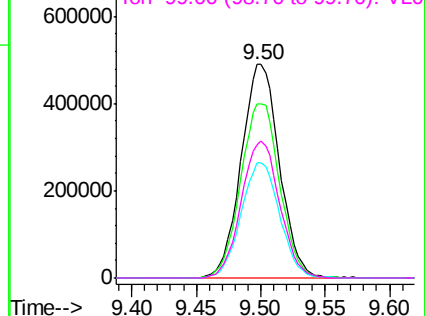
83 81.2 65.4 98.2

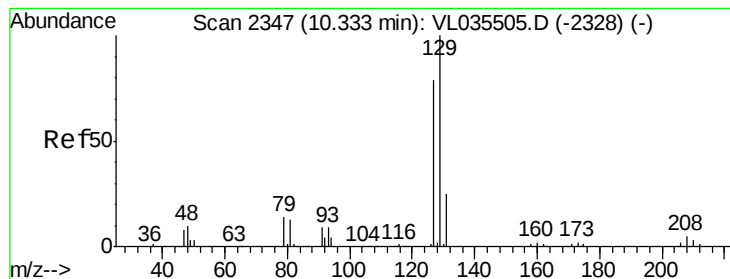
85 53.8 43.7 65.5

99 62.4 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: 8.260 ppbv

RT: 10.33 min Scan# 2346

Delta R.T. -0.00 min

Lab File: VL035515.D

Acq: 27 Aug 2020 10:33

Instrument :

MSVOA_L

ClientSampleId :

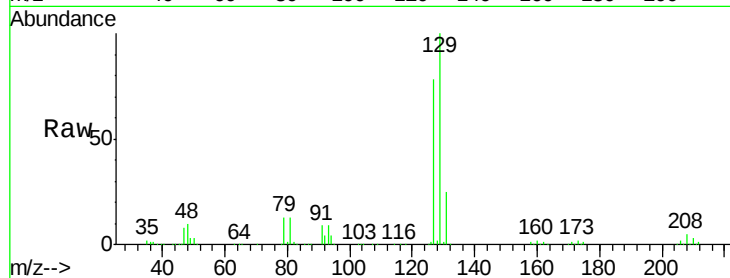
E053-1100DL

Tot Ion:129 Resp: 1818143

Ion Ratio Lower Upper

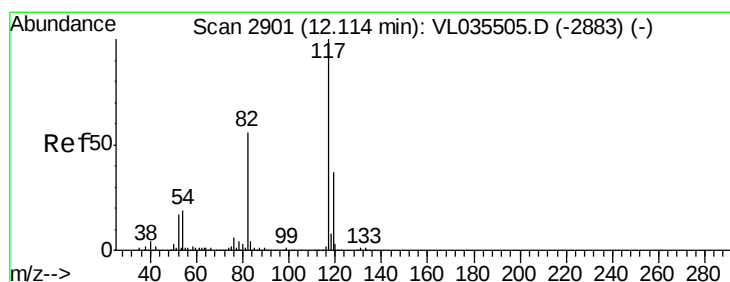
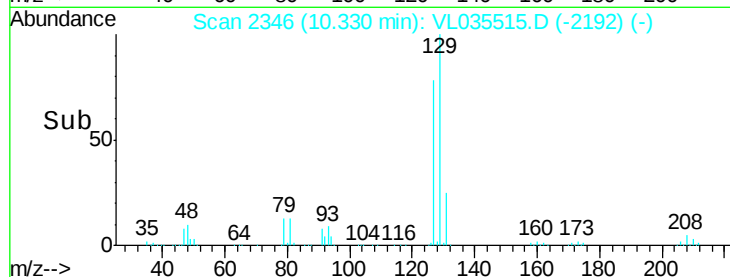
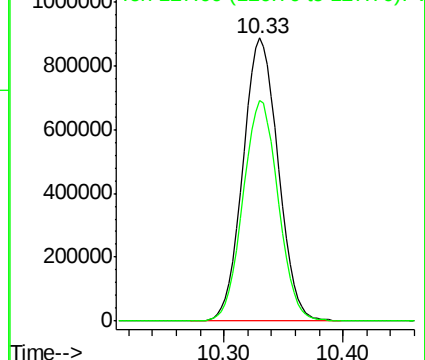
129 100

127 78.3 39.3 117.8



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. -0.00 min

Lab File: VL035515.D

Acq: 27 Aug 2020 10:33

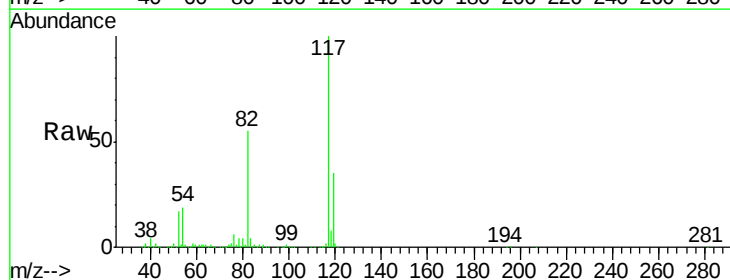
Tgt Ion:117 Resp: 4344464

Ion Ratio Lower Upper

117 100

82 54.5 41.6 62.4

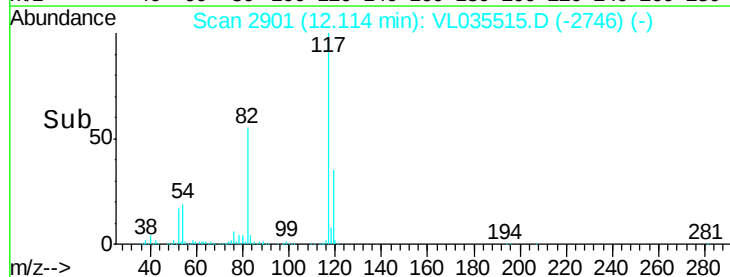
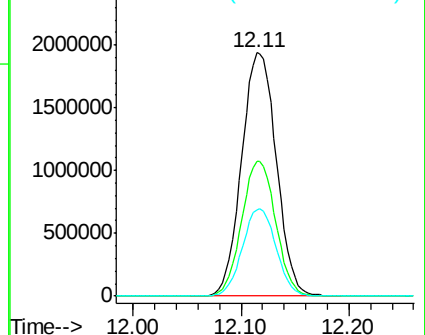
119 34.8 29.3 43.9

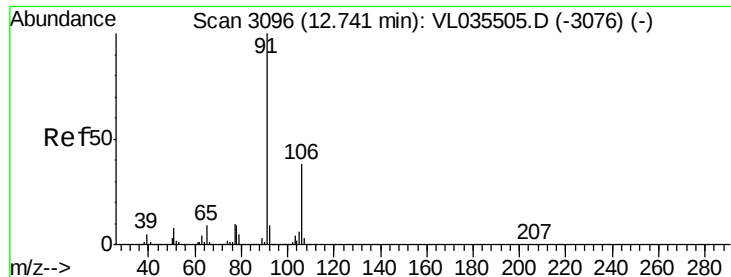


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#58

Ethyl Benzene

Concen: 6.092 ppbv

RT: 12.74 min Scan# 3096

Delta R.T. -0.00 min

Lab File: VL035515.D

Acq: 27 Aug 2020 10:33

Instrument :

MSVOA_L

ClientSampled :

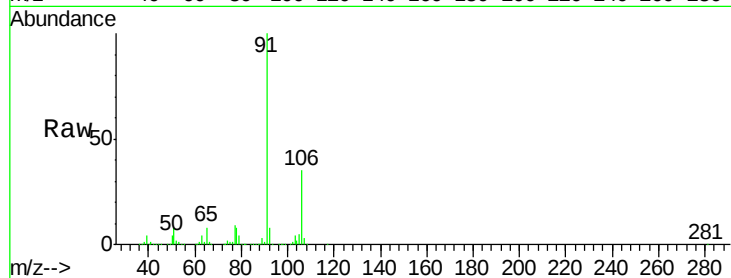
E053-1100DL

Tot Ion: 91 Resp: 2729105

Ion Ratio Lower Upper

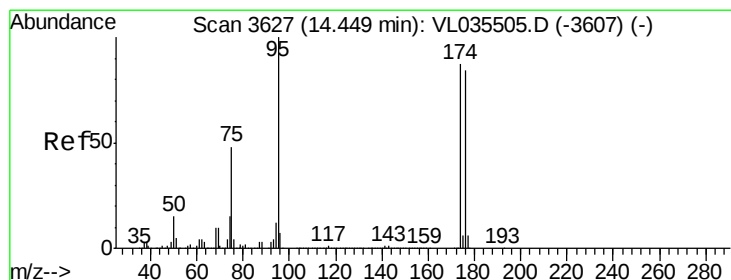
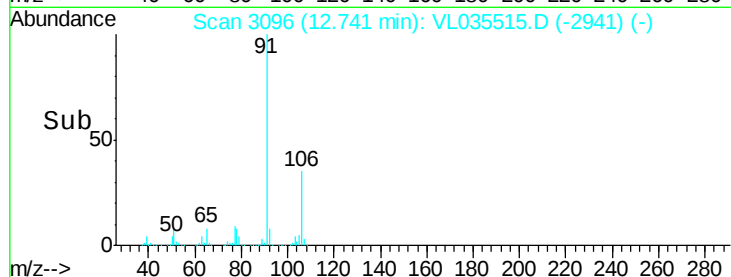
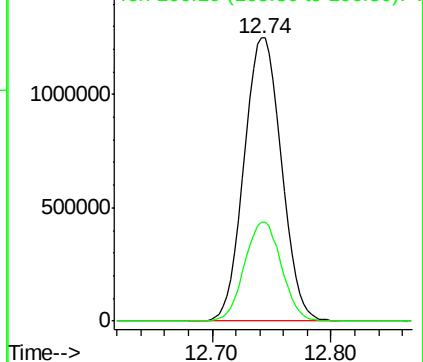
91 100

106 35.1 30.3 45.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.285 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. -0.00 min

Lab File: VL035515.D

Acq: 27 Aug 2020 10:33

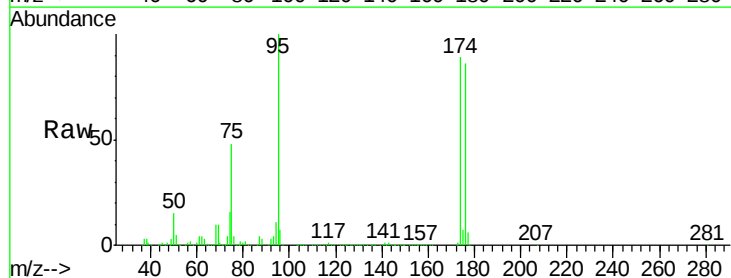
Tgt Ion: 95 Resp: 3173232

Ion Ratio Lower Upper

95 100

174 89.9 69.6 104.4

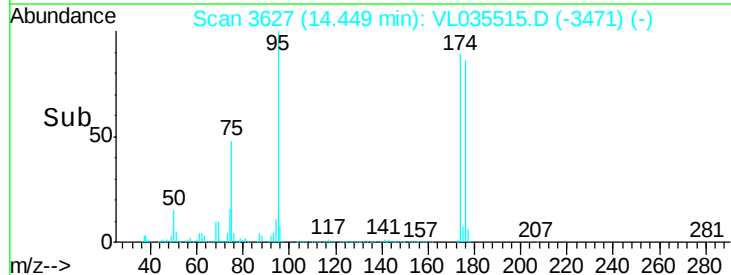
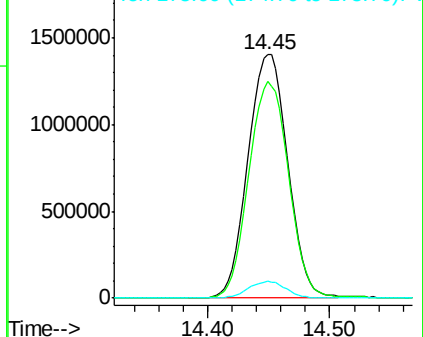
175 6.5 5.1 7.7

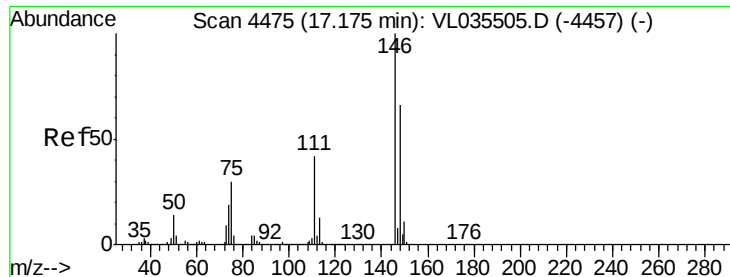


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#76

1,4-Dichlorobenzene

Concen: 8.560 ppbv

RT: 17.18 min Scan# 4475

Delta R.T. -0.00 min

Lab File: VL035515.D

Acq: 27 Aug 2020 10:33

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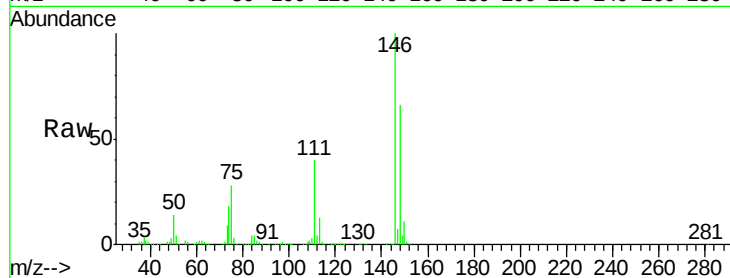
Tot Ion:146 Resp: 3044401

Ion Ratio Lower Upper

146 100

111 38.7 20.0 60.0

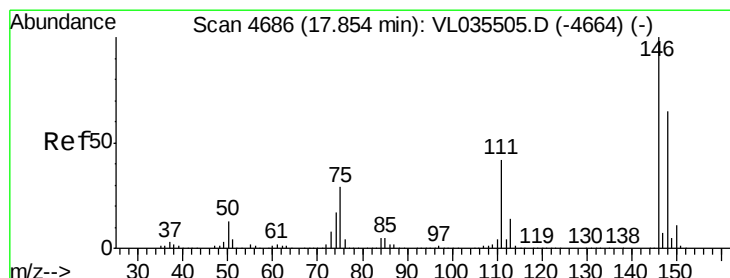
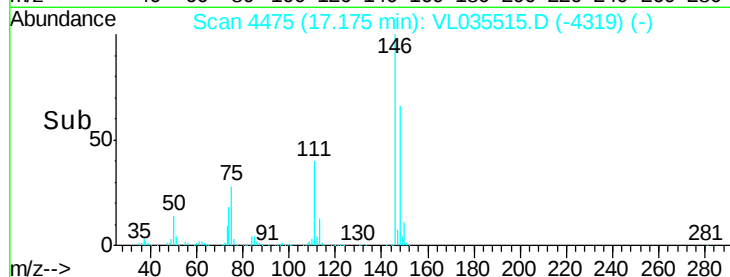
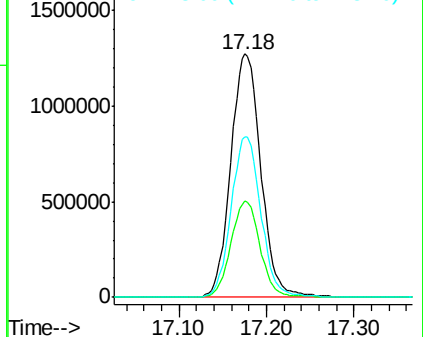
148 65.5 33.2 99.6



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: 7.933 ppbv

RT: 17.86 min Scan# 4687

Delta R.T. 0.00 min

Lab File: VL035515.D

Acq: 27 Aug 2020 10:33

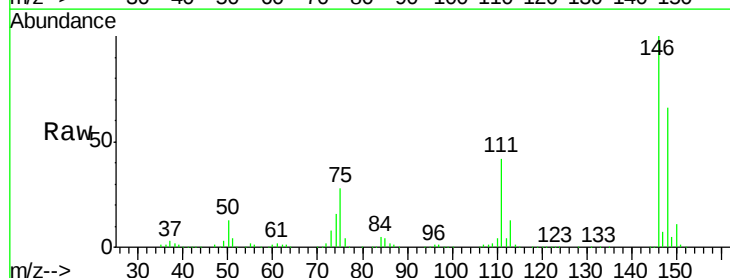
Tgt Ion:146 Resp: 2771663

Ion Ratio Lower Upper

146 100

111 41.3 21.1 63.3

148 65.3 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

