

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022620\
 Data File : VL034686.D
 Acq On : 26 Feb 2020 9:55
 Operator : SY/AP
 Sample : L1314-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E051-1100

Quant Time: Feb 27 15:39:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 26 06:58:15 2020
 QLast Update : Wed Feb 26 06:58:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1011406	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2180283	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2158400	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2039023	11.52	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	115.20%

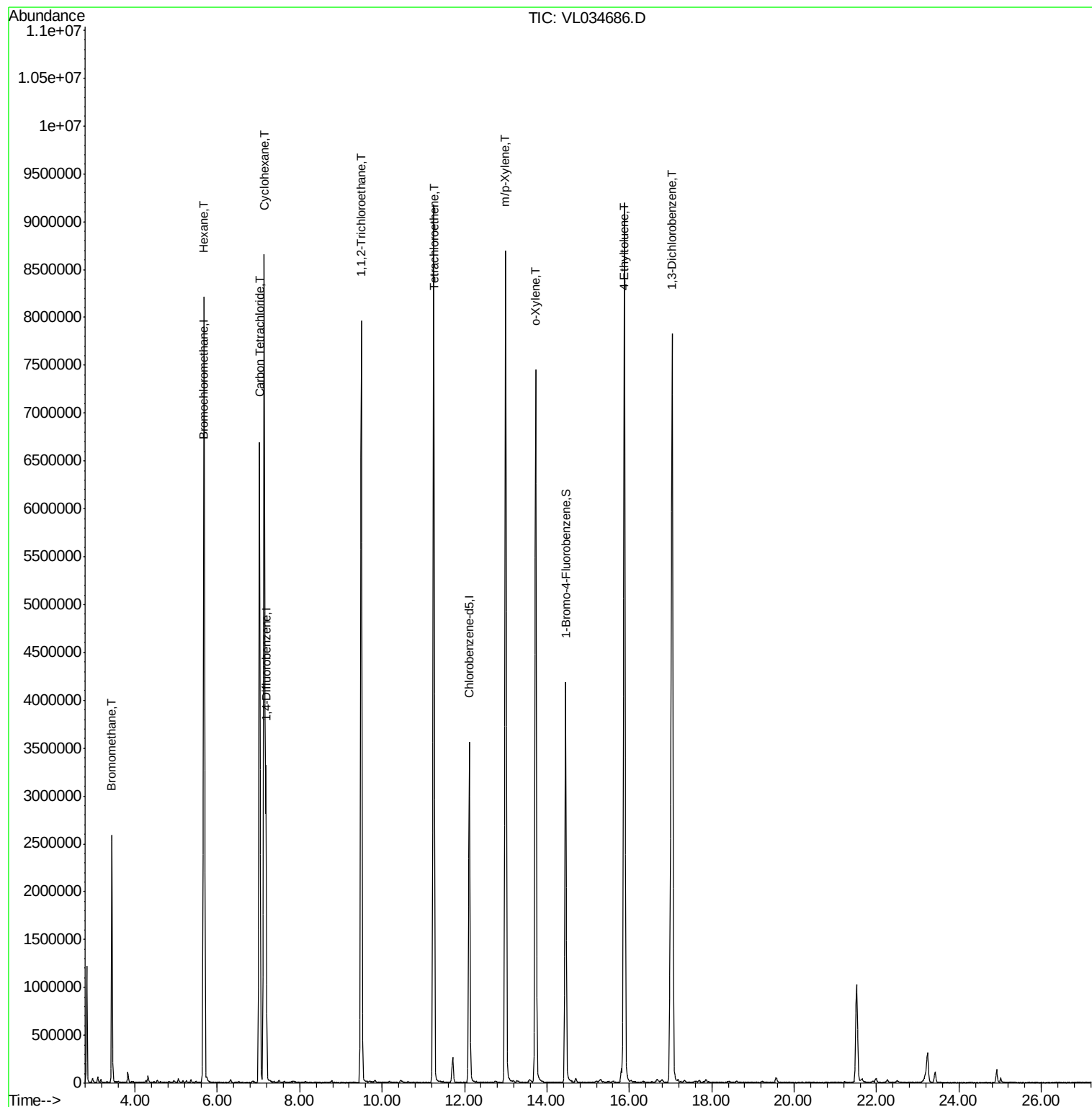
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
6) Bromomethane	3.44	94	1332121	37.934	ppbv	96
26) Hexane	5.68	57	3362123	35.755	ppbv #	43
30) Cyclohexane	7.14	84	3088945	42.387	ppbv	95
35) Carbon Tetrachloride	7.02	117	4194221	28.724	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	2883535	37.517	ppbv	94
52) Tetrachloroethene	11.25	164	2405687	34.853	ppbv	97
59) m/p-Xylene	13.00	91	6522679	28.638	ppbv	92
60) o-Xylene	13.73	91	5807582	25.696	ppbv	96
72) 4-Ethyltoluene	15.88	105	7809715	31.045	ppbv	94
75) 1,3-Dichlorobenzene	17.04	146	3697943	23.971	ppbv	98

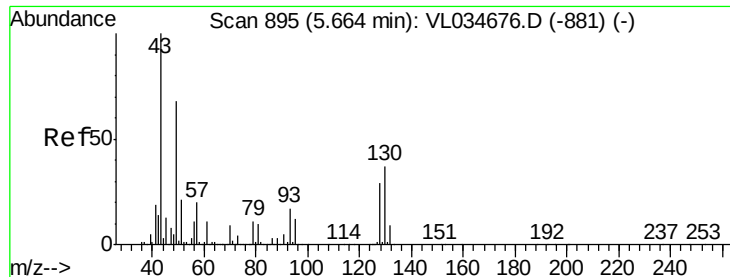
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL022620\
Data File : VL034686.D
Acq On : 26 Feb 2020 9:55
Operator : SY/AP
Sample : L1314-01
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
E051-1100

Quant Time: Feb 27 15:39:12 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 26 06:58:15 2020
QLast Update : Wed Feb 26 06:58:15 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.01 min

Lab File: VL034686.D

Acq: 26 Feb 2020 9:55

Instrument :

MSVOA_L

ClientSampleId :

E051-1100

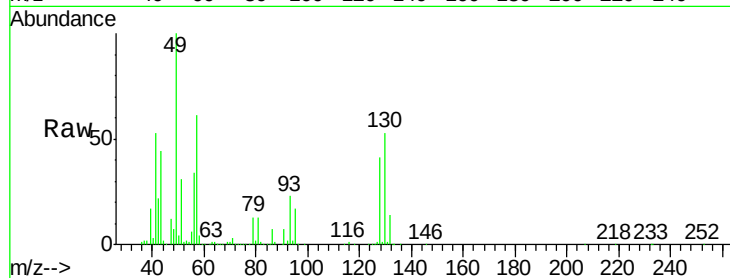
Tot Ion: 49 Resp: 1011406

Ion	Ratio	Lower	Upper
49	100		
128	42.7	21.6	65.0
130	54.6	27.7	83.1

49 100

128 42.7 21.6 65.0

130 54.6 27.7 83.1



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

5.66

600000

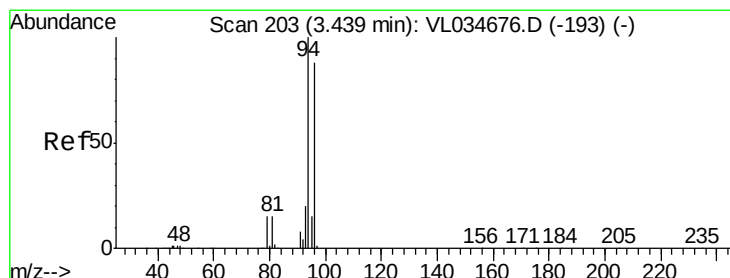
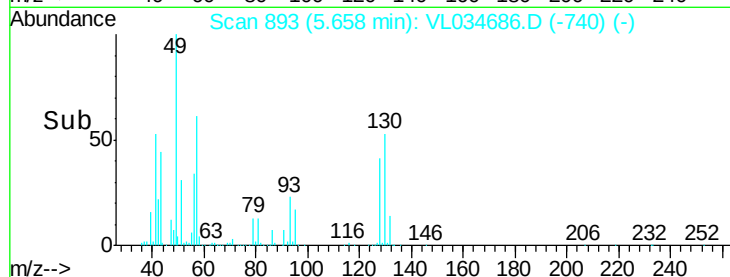
400000

200000

0

Time-->

5.60 5.65 5.70 5.75



#6

Bromomethane

Concen: 37.934 ppbv

RT: 3.44 min Scan# 202

Delta R.T. -0.00 min

Lab File: VL034686.D

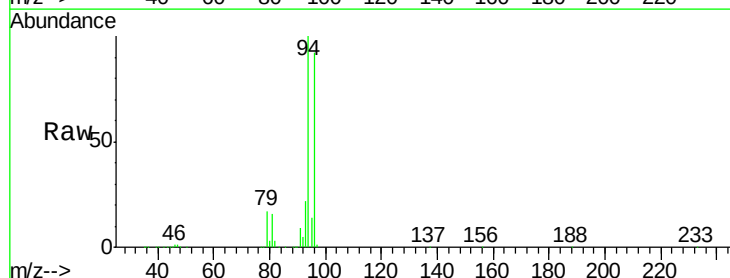
Acq: 26 Feb 2020 9:55

Tgt Ion: 94 Resp: 1332121

Ion	Ratio	Lower	Upper
94	100		
96	91.9	70.5	105.7

94 100

96 91.9 70.5 105.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

1000000

800000

600000

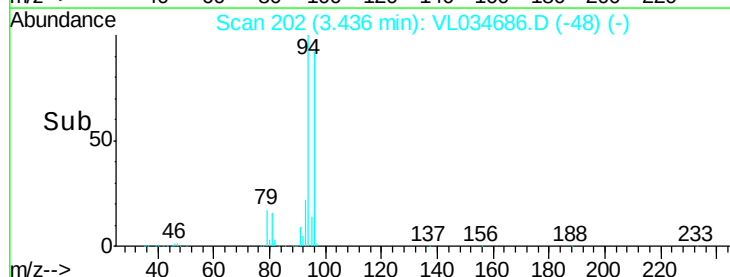
400000

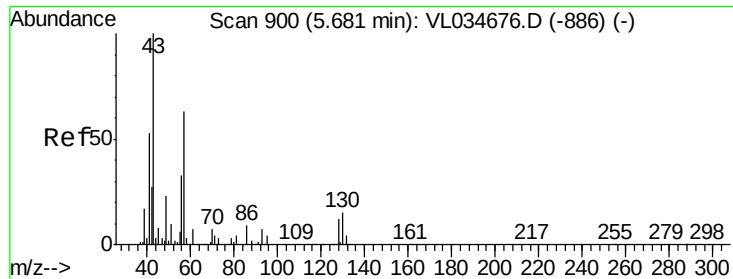
200000

0

Time-->

3.35 3.40 3.45 3.50



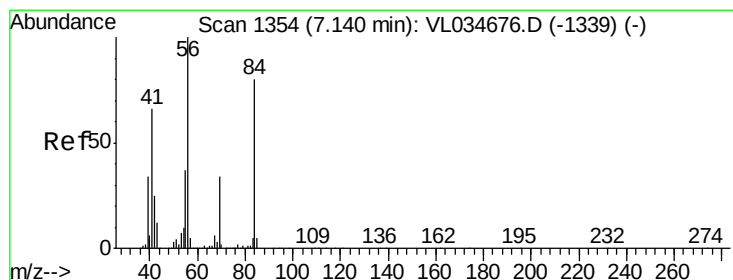
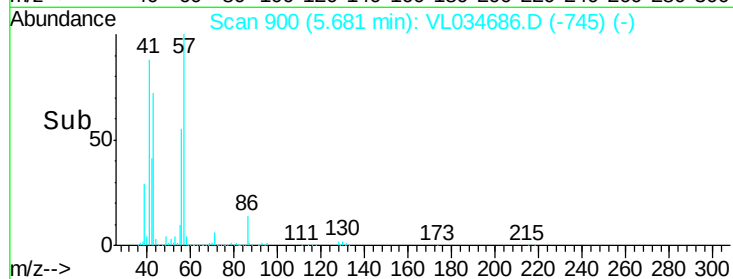
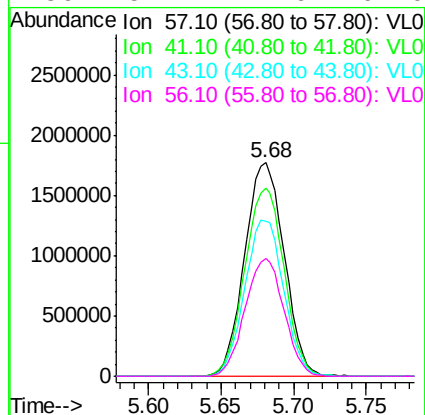
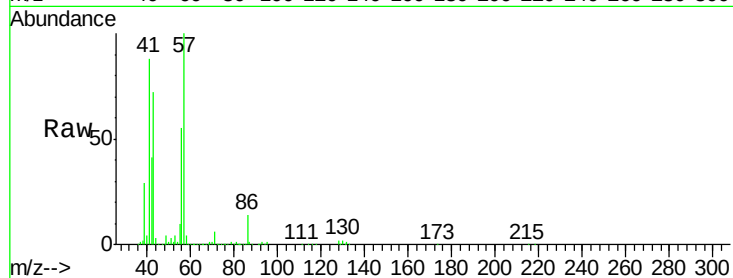


#26
Hexane
Concen: 35.755 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL034686.D
Acq: 26 Feb 2020 9:55

Instrument :
MSVOA_L
ClientSampleId :
E051-1100

Tot Ion: 57 Resp: 3362123

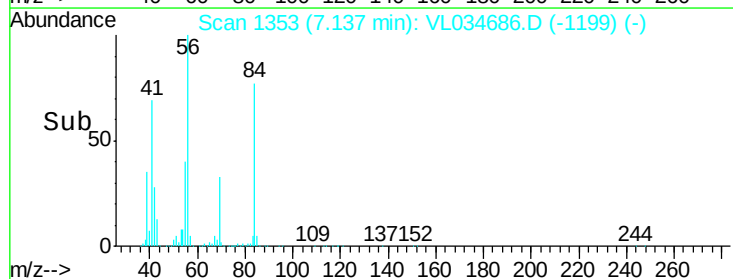
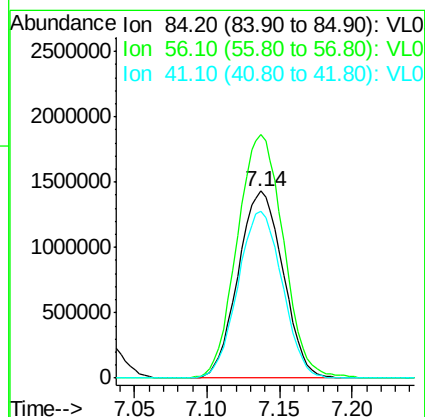
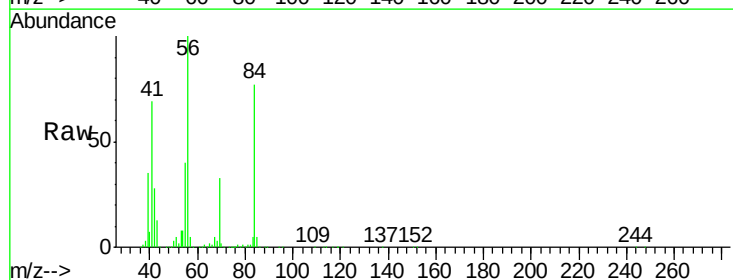
Ion	Ratio	Lower	Upper
57	100		
41	88.0	70.3	105.5
43	72.1	177.0	265.4#
56	54.4	42.6	64.0

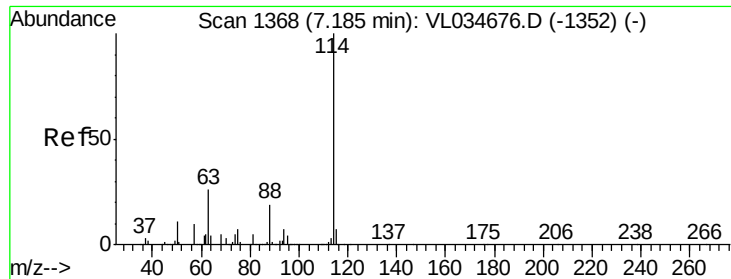


#30
Cyclohexane
Concen: 42.387 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. -0.00 min
Lab File: VL034686.D
Acq: 26 Feb 2020 9:55

Tgt Ion: 84 Resp: 3088945

Ion	Ratio	Lower	Upper
84	100		
56	134.2	113.4	170.2
41	88.2	68.2	102.4

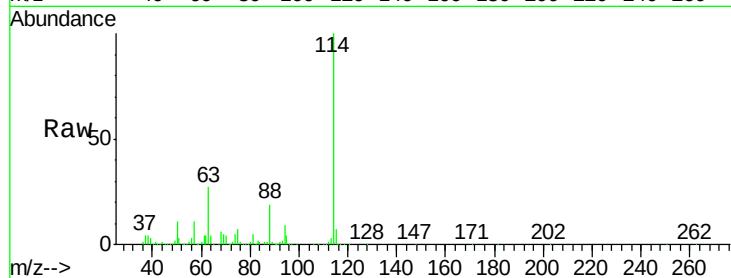




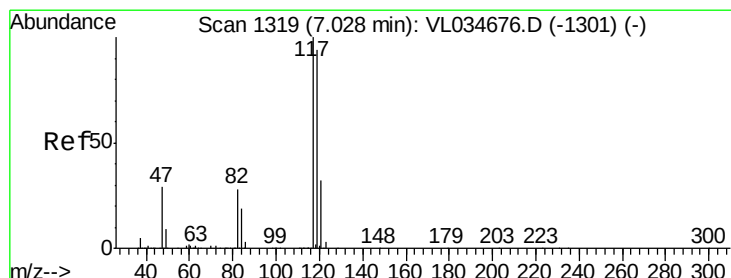
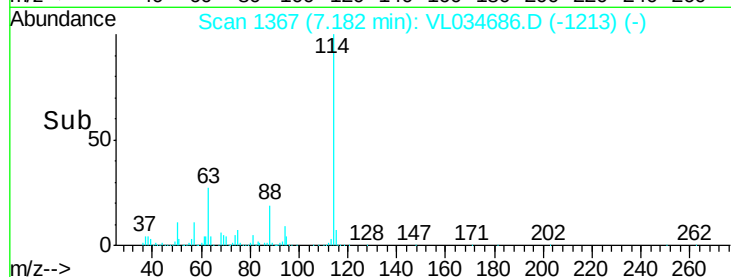
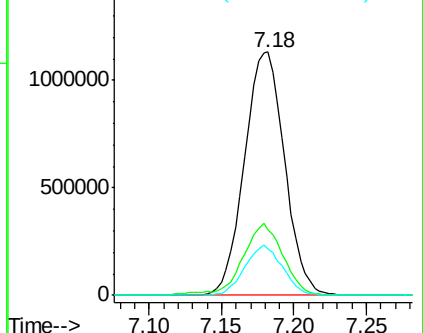
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VL034686.D
 Acq: 26 Feb 2020 9:55

Instrument :
 MSVOA_L
 ClientSampleId :
 E051-1100

Tot Ion:114 Resp: 2180283
 Ion Ratio Lower Upper
 114 100
 63 29.9 22.9 34.3
 88 19.4 15.8 23.6

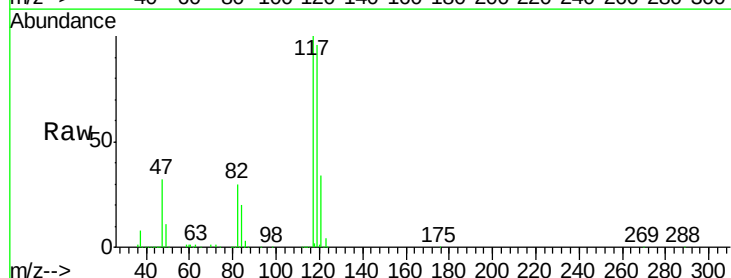


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

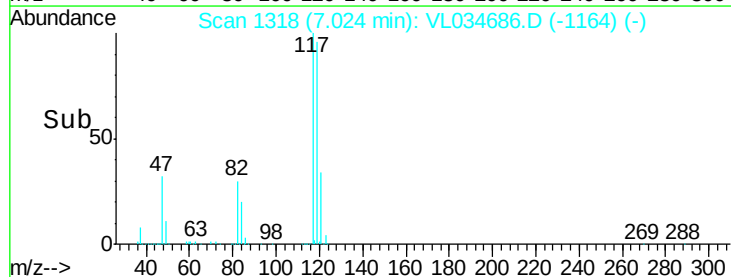
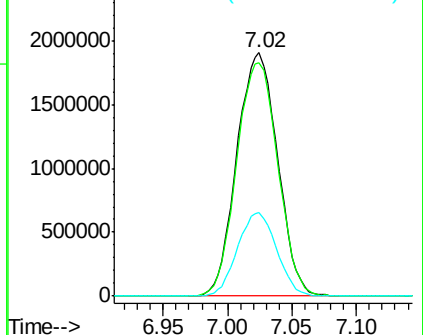


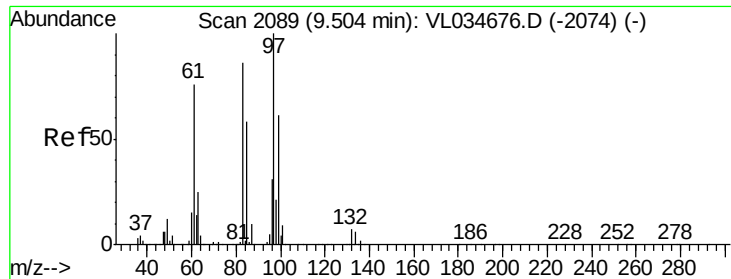
#35
 Carbon Tetrachloride
 Concen: 28.724 ppbv
 RT: 7.02 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VL034686.D
 Acq: 26 Feb 2020 9:55

Tgt Ion:117 Resp: 4194221
 Ion Ratio Lower Upper
 117 100
 119 95.7 75.5 113.3
 121 34.3 25.4 38.0



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V
 Ion 121.00 (120.70 to 121.70): V





#47

1,1,2-Trichloroethane

Concen: 37.517 ppbv

RT: 9.49 min Scan# 2086

Delta R.T. -0.01 min

Lab File: VL034686.D

Acq: 26 Feb 2020 9:55

Instrument :

MSVOA_L

ClientSampleId :

E051-1100

Tot Ion: 97 Resp: 2883535

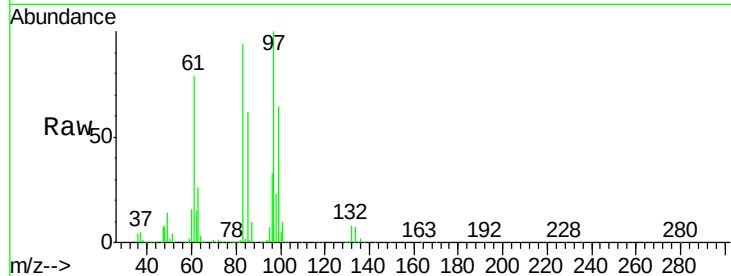
Ion Ratio Lower Upper

97 100

83 94.2 69.4 104.0

85 61.9 46.4 69.6

99 63.7 48.4 72.6

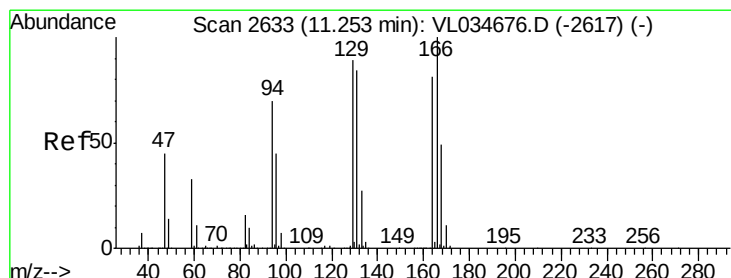
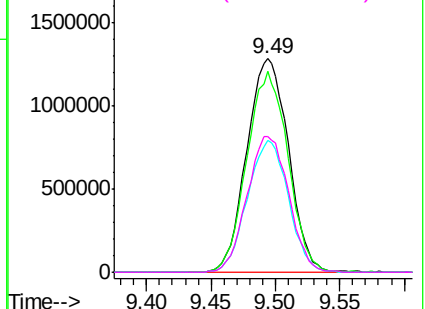
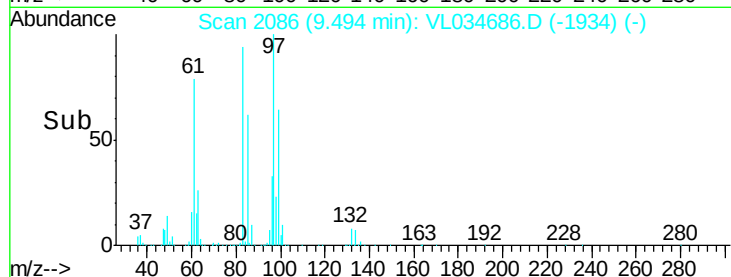


Abundance Ion 97.00 (96.70 to 97.70): VL0

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



#52

Tetrachloroethene

Concen: 34.853 ppbv

RT: 11.25 min Scan# 2633

Delta R.T. -0.00 min

Lab File: VL034686.D

Acq: 26 Feb 2020 9:55

Tgt Ion: 164 Resp: 2405687

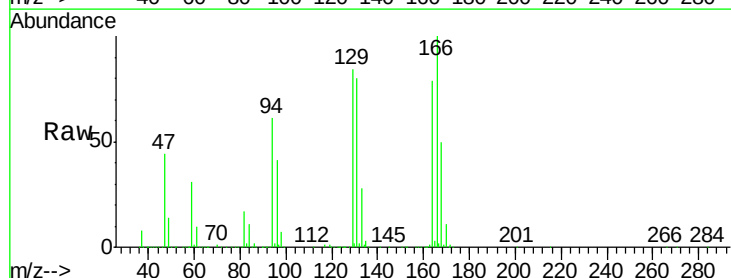
Ion Ratio Lower Upper

164 100

166 125.9 99.2 148.8

129 106.2 88.0 132.0

131 100.9 83.7 125.5

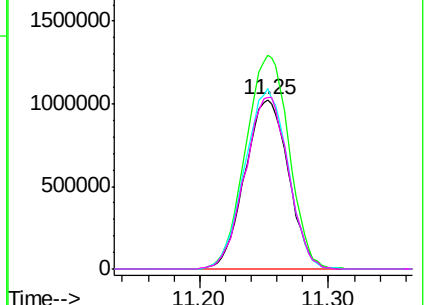
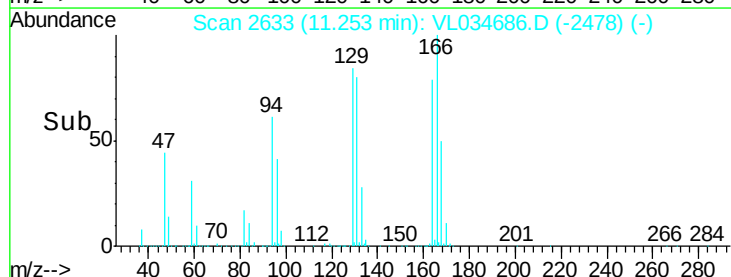


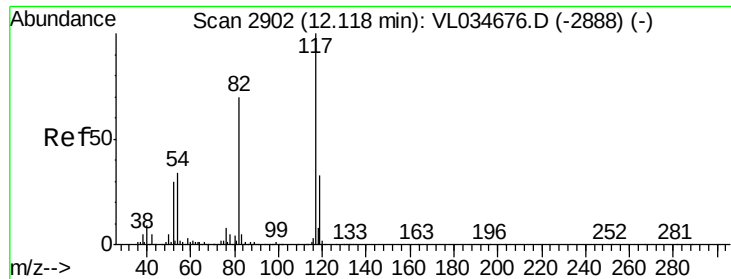
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2901

Delta R.T. -0.00 min

Lab File: VL034686.D

Acq: 26 Feb 2020 9:55

Instrument :

MSVOA_L

ClientSampleId :

E051-1100

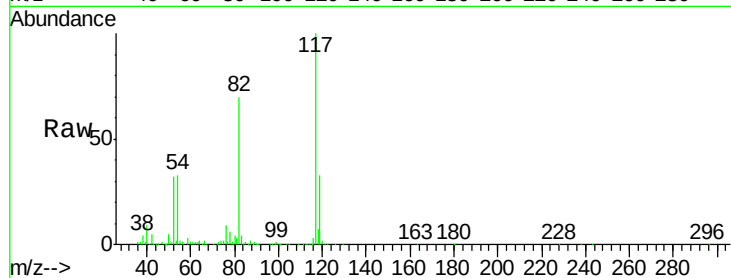
Tot Ion:117 Resp: 2158400

Ion Ratio Lower Upper

117 100

82 71.7 54.1 81.1

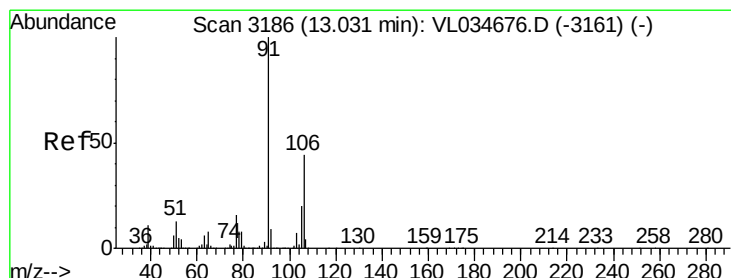
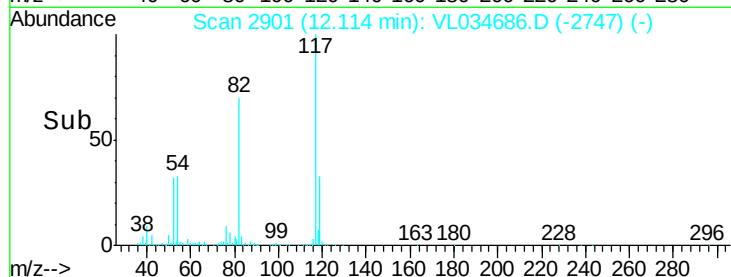
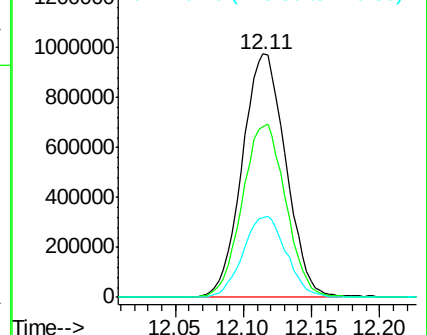
119 33.4 27.6 41.4



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



#59

m/p-Xylene

Concen: 28.638 ppbv

RT: 13.00 min Scan# 3175

Delta R.T. -0.04 min

Lab File: VL034686.D

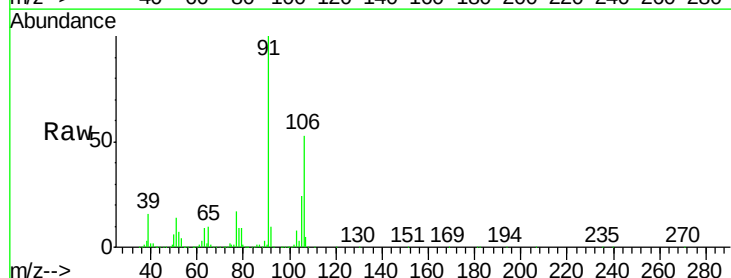
Acq: 26 Feb 2020 9:55

Tgt Ion: 91 Resp: 6522679

Ion Ratio Lower Upper

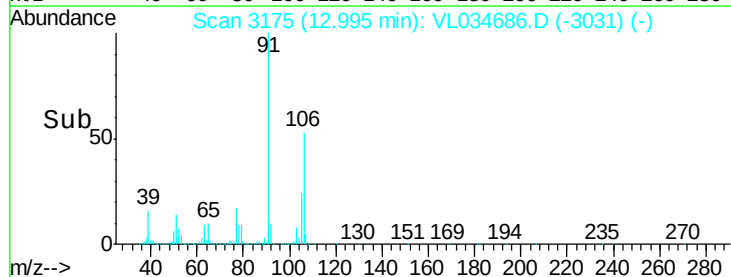
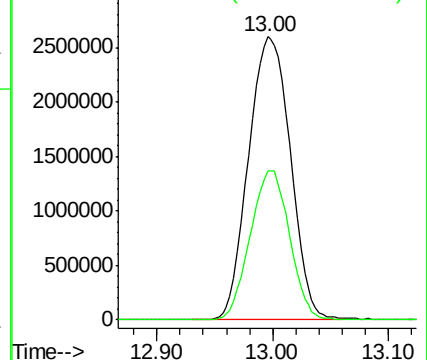
91 100

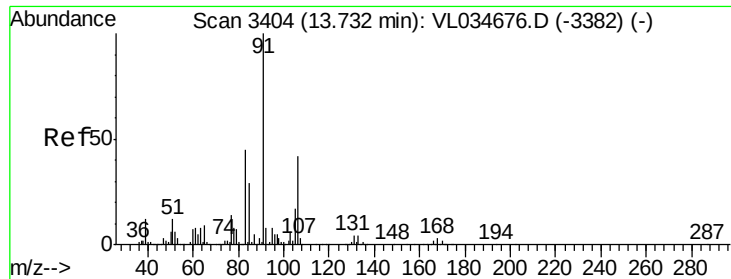
106 49.7 35.6 53.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

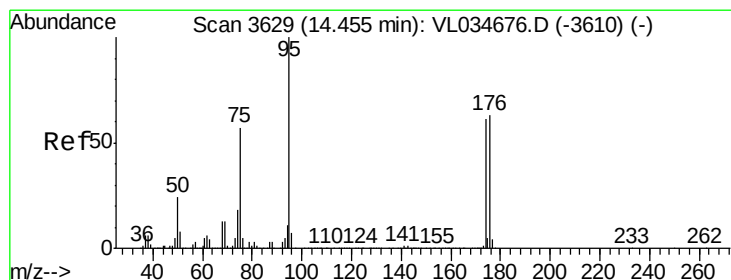
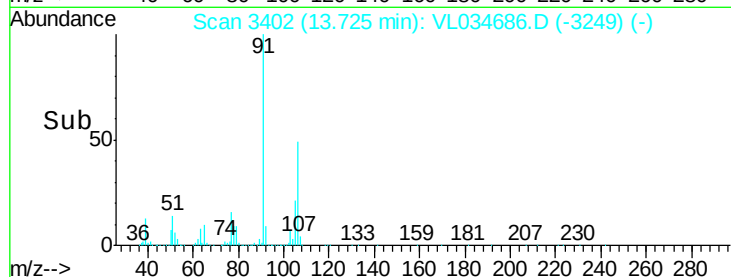
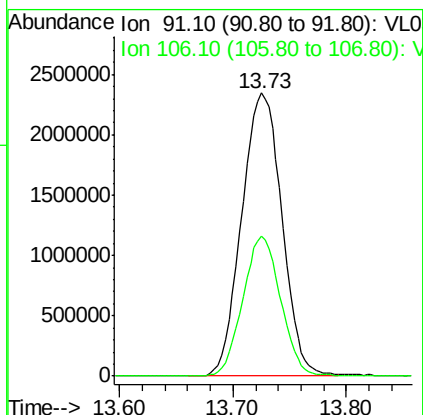
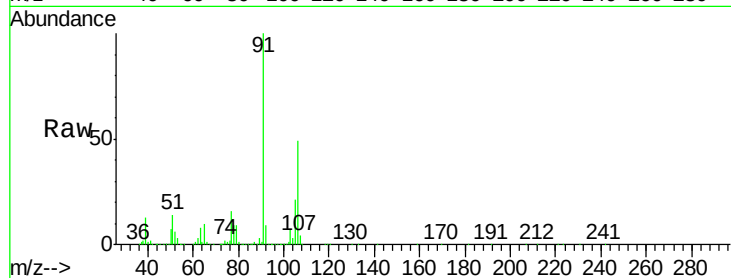




#60
o-Xylene
Concen: 25.696 ppbv
RT: 13.73 min Scan# 3402
Delta R.T. -0.01 min
Lab File: VL034686.D
Acq: 26 Feb 2020 9:55

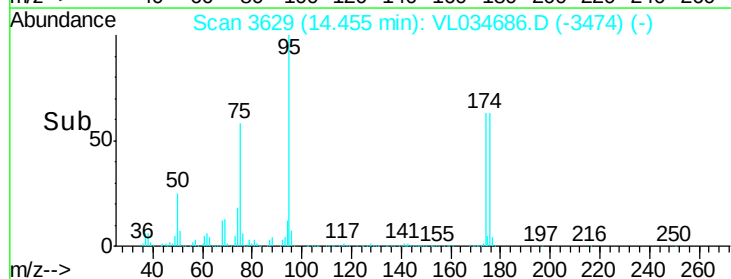
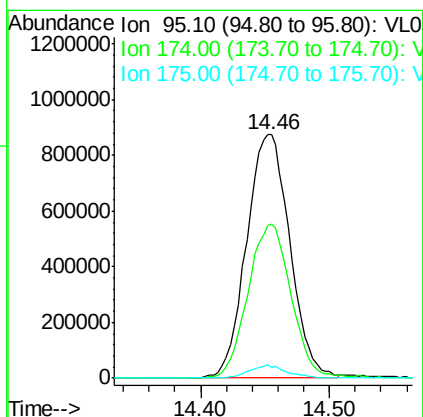
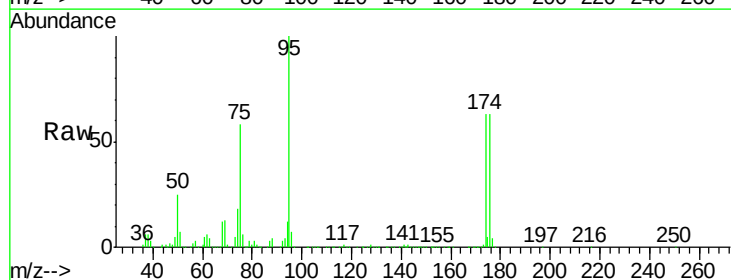
Instrument :
MSVOA_L
ClientSampleId :
E051-1100

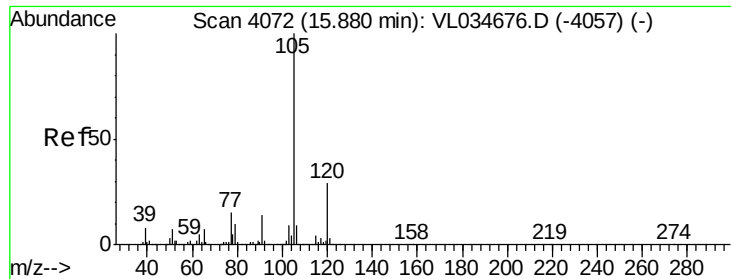
Tot Ion: 91 Resp: 5807582
Ion Ratio Lower Upper
91 100
106 46.5 21.9 65.5



#68
1-Bromo-4-Fluorobenzene
Concen: 11.521 ppbv
RT: 14.46 min Scan# 3629
Delta R.T. -0.00 min
Lab File: VL034686.D
Acq: 26 Feb 2020 9:55

Tgt Ion: 95 Resp: 2039023
Ion Ratio Lower Upper
95 100
174 63.6 50.7 76.1
175 4.8 3.9 5.9





#72

4-Ethyltoluene

Concen: 31.045 ppbv

RT: 15.88 min Scan# 4072

Delta R.T. -0.00 min

Lab File: VL034686.D

Acq: 26 Feb 2020 9:55

Instrument :

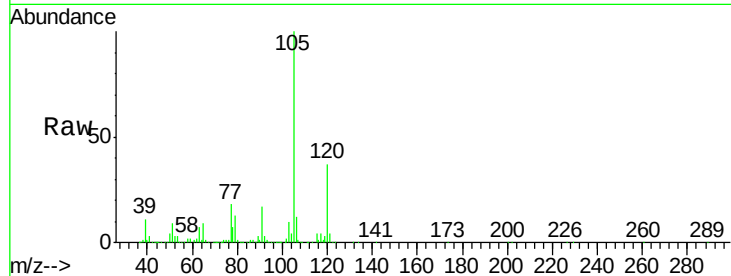
MSVOA_L

ClientSampleId :

E051-1100

Tot Ion:105 Resp: 7809715

Ion	Ratio	Lower	Upper
105	100		
120	33.7	23.7	35.5
91	15.7	10.9	16.3
77	17.1	12.2	18.2

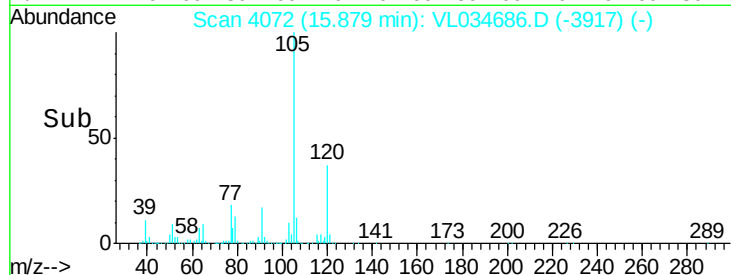


Abundance Ion 105.10 (104.80 to 105.80): V

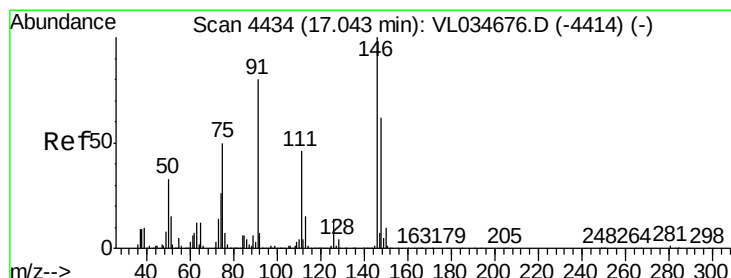
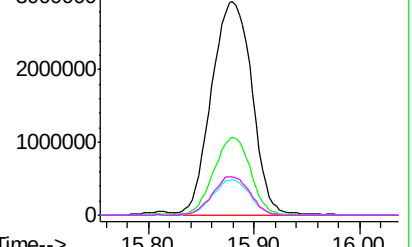
Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



Time-->



#75

1,3-Dichlorobenzene

Concen: 23.971 ppbv

RT: 17.04 min Scan# 4433

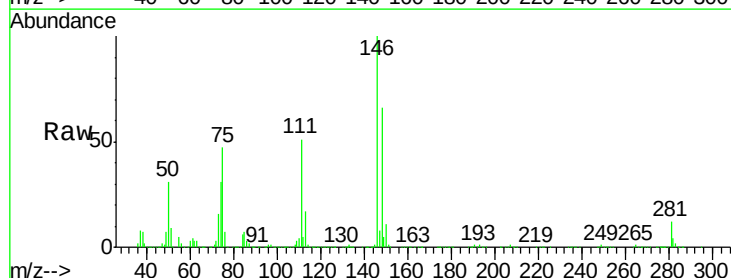
Delta R.T. -0.00 min

Lab File: VL034686.D

Acq: 26 Feb 2020 9:55

Tgt Ion:146 Resp: 3697943

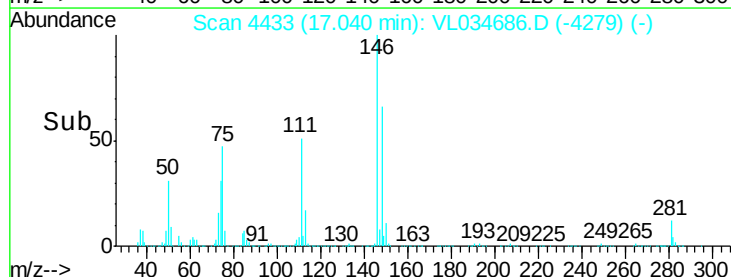
Ion	Ratio	Lower	Upper
146	100		
111	50.6	24.4	73.2
148	66.1	32.5	97.4



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



Time-->