

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030420\
 Data File : VL034786.D
 Acq On : 4 Mar 2020 9:32
 Operator : SY/AP
 Sample : L1314-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E051-1100

Quant Time: Mar 04 10:21:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar 04 06:36:39 2020
 QLast Update : Wed Mar 04 06:36:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	914838	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.19	114	2000930	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.12	117	1966070	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1716060	10.47	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.70%

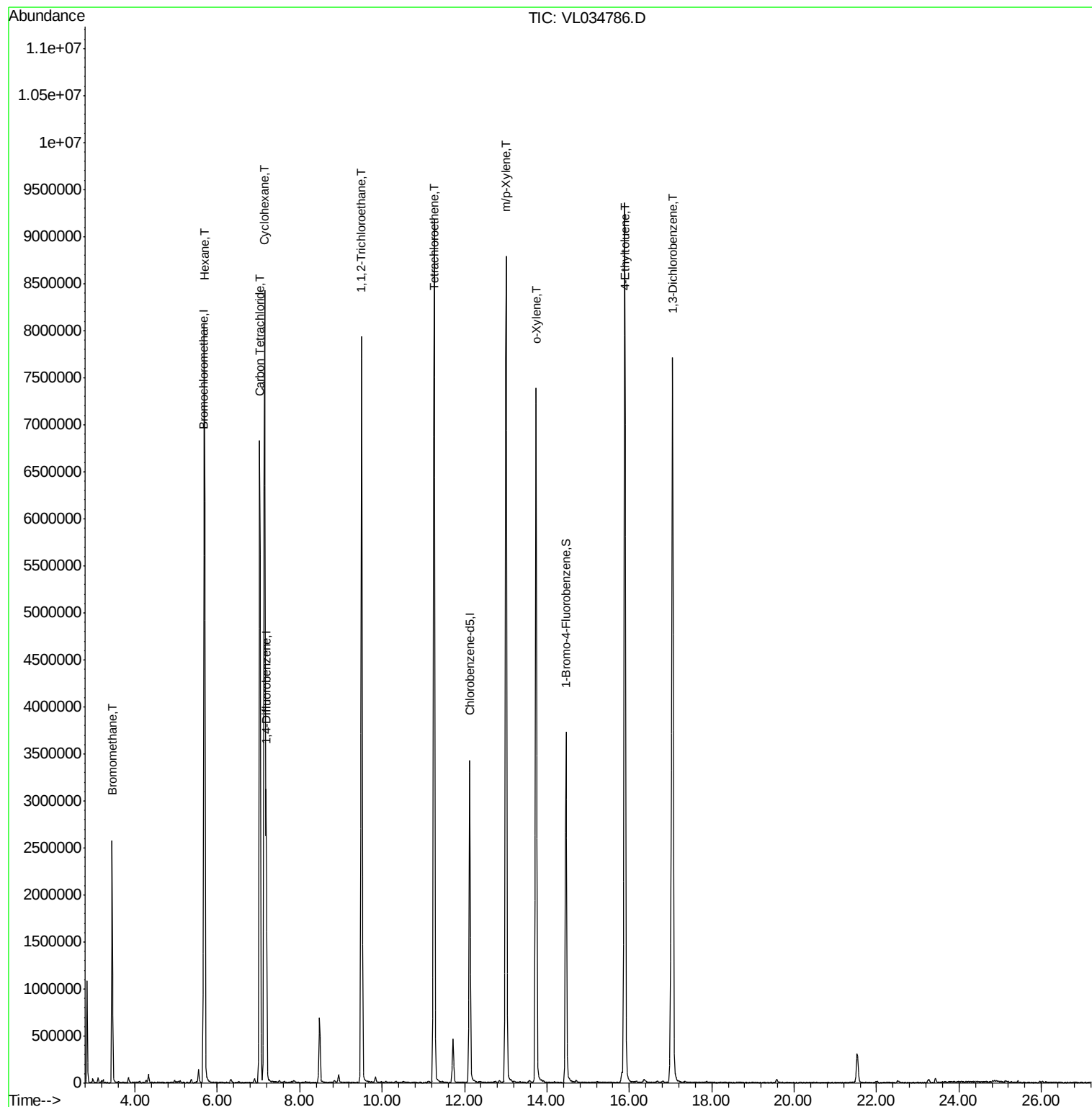
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
6) Bromomethane	3.45	94	1300577	40.180	ppbv	93
26) Hexane	5.69	57	3182191	38.477	ppbv #	42
30) Cyclohexane	7.14	84	2930430	46.315	ppbv	95
35) Carbon Tetrachloride	7.03	117	4241676	28.094	ppbv	97
47) 1,1,2-Trichloroethane	9.50	97	2809089	38.560	ppbv	93
52) Tetrachloroethene	11.26	164	2324991	36.806	ppbv	97
59) m/p-Xylene	13.01	91	6398126	30.506	ppbv	94
60) o-Xylene	13.74	91	5645209	26.603	ppbv	96
72) 4-Ethyltoluene	15.89	105	7686570	32.533	ppbv	93
75) 1,3-Dichlorobenzene	17.05	146	3663489	25.119	ppbv	97

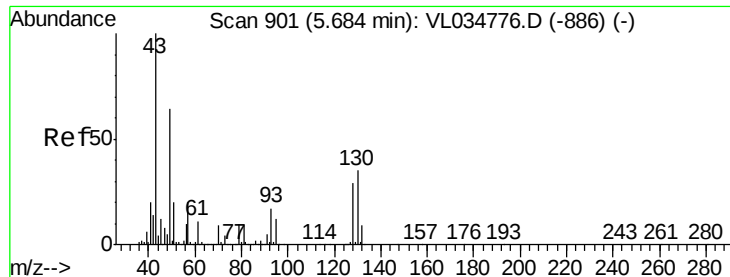
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL030420\
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QLast Update : Wed Mar 04 06:36:39 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.02 min

Lab File: VL034786.D

Acq: 4 Mar 2020 9:32

Instrument :

MSVOA_L

ClientSampleId :

E051-1100

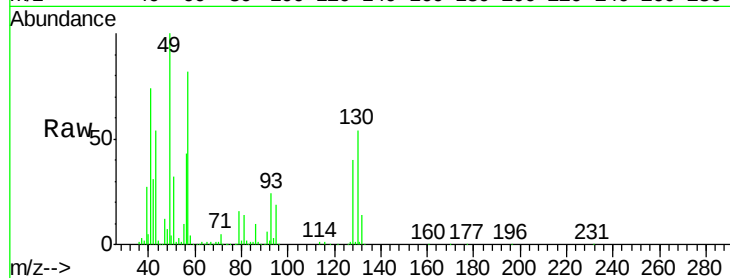
Tot Ion: 49 Resp: 914838

Ion Ratio Lower Upper

49 100

128 42.8 21.6 64.6

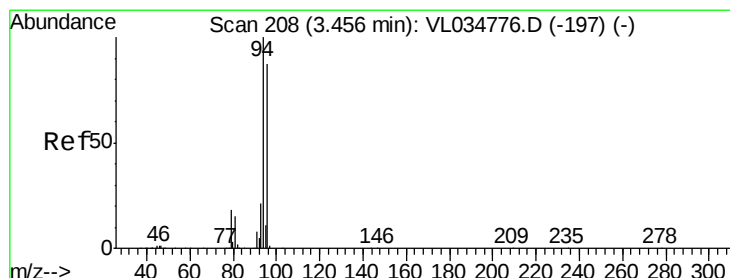
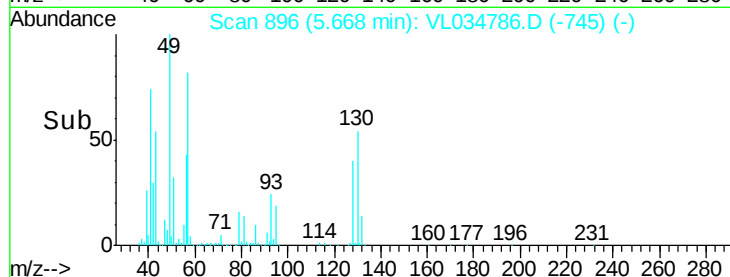
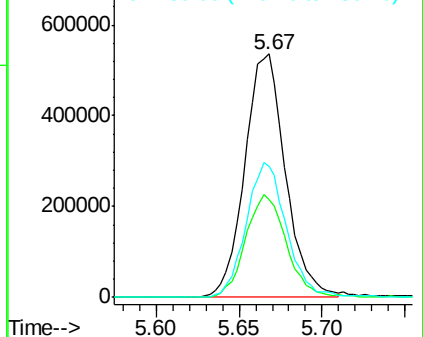
130 55.2 27.4 82.2



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: 40.180 ppbv

RT: 3.45 min Scan# 205

Delta R.T. -0.01 min

Lab File: VL034786.D

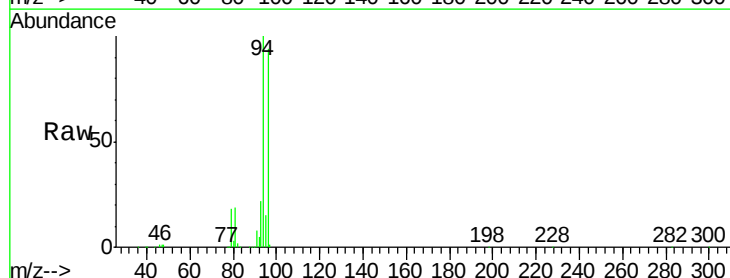
Acq: 4 Mar 2020 9:32

Tgt Ion: 94 Resp: 1300577

Ion Ratio Lower Upper

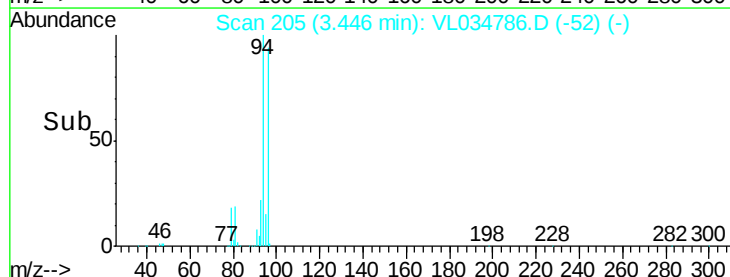
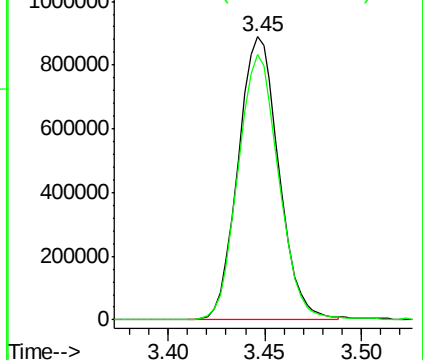
94 100

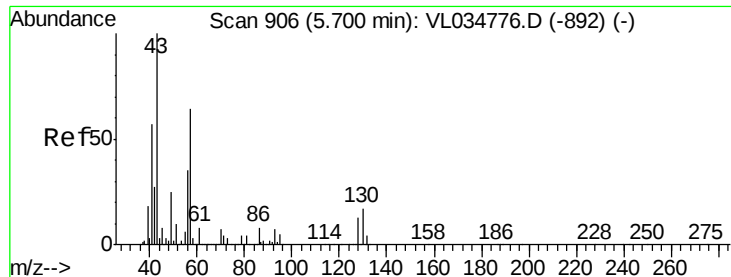
96 93.6 70.0 105.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#26

Hexane

Concen: 38.477 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.01 min

Lab File: VL034786.D

Acq: 4 Mar 2020 9:32

Instrument :

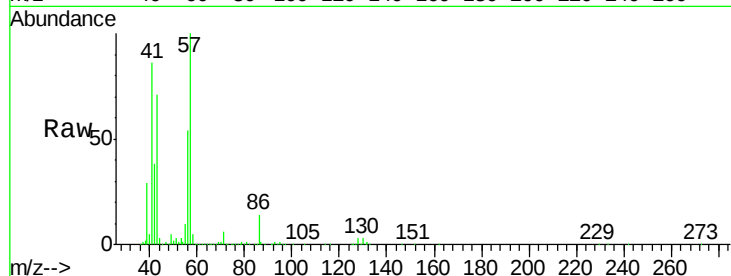
MSVOA_L

ClientSampleId :

E051-1100

Tot Ion: 57 Resp: 3182191

Ion	Ratio	Lower	Upper
57	100		
41	89.5	72.0	108.0
43	70.7	179.1	268.7#
56	54.0	42.6	63.8



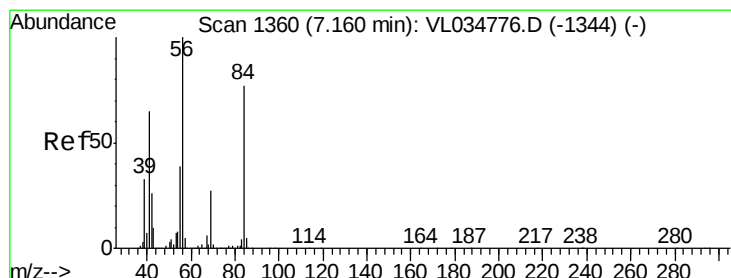
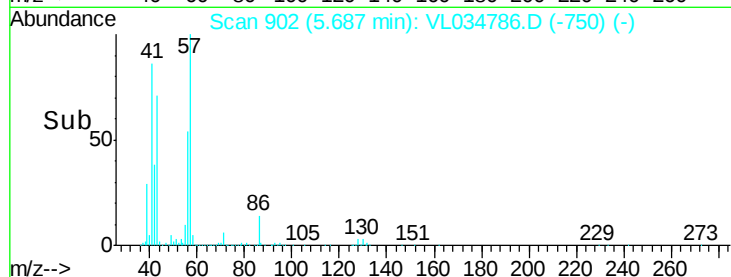
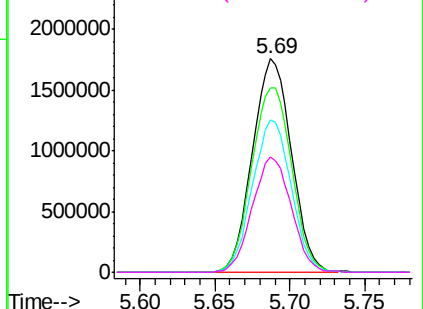
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#30

Cyclohexane

Concen: 46.315 ppbv

RT: 7.14 min Scan# 1355

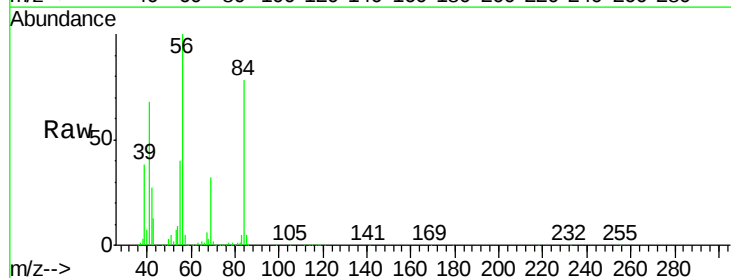
Delta R.T. -0.02 min

Lab File: VL034786.D

Acq: 4 Mar 2020 9:32

Tgt Ion: 84 Resp: 2930430

Ion	Ratio	Lower	Upper
84	100		
56	132.4	113.2	169.8
41	88.8	70.2	105.4

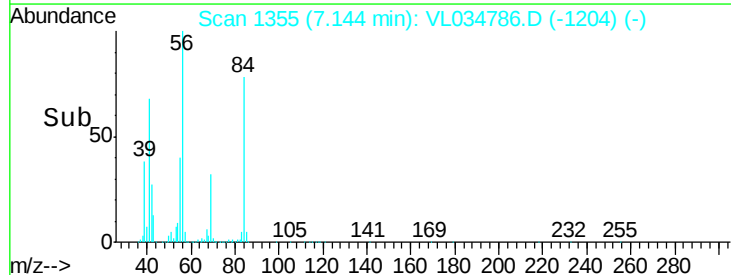
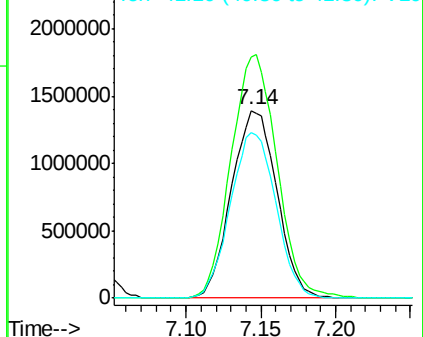


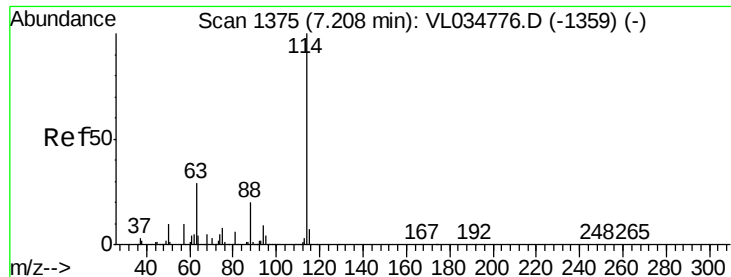
Abundance

Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

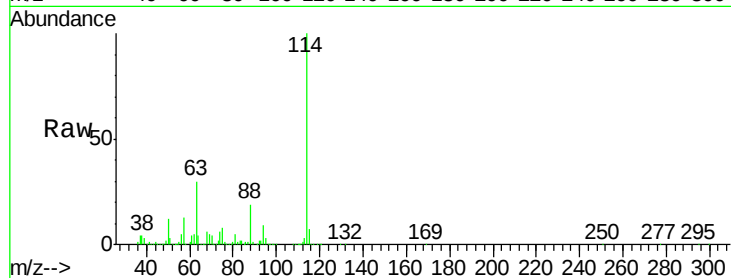




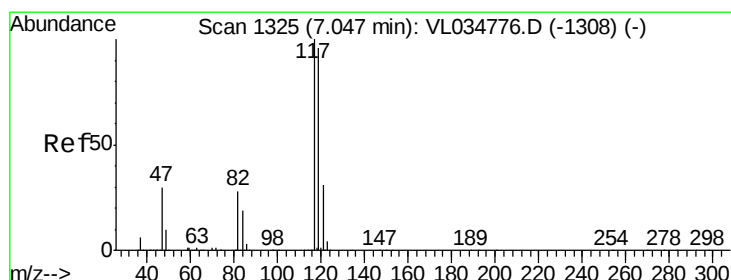
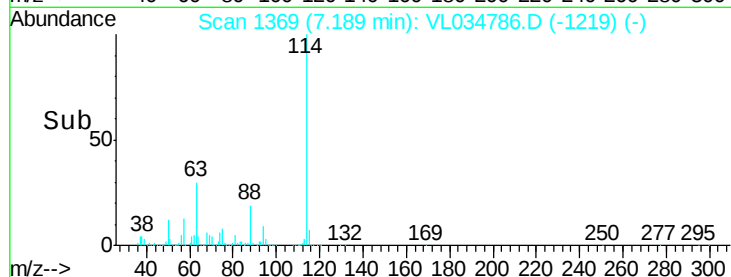
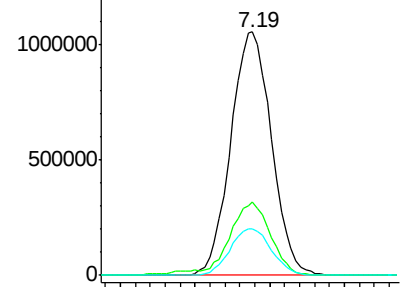
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. -0.02 min
 Lab File: VL034786.D
 Acq: 4 Mar 2020 9:32

Instrument :
 MSVOA_L
 ClientSampleId :
 E051-1100

Tot Ion:114 Resp: 2000930
 Ion Ratio Lower Upper
 114 100
 63 31.4 23.6 35.4
 88 19.4 15.8 23.8

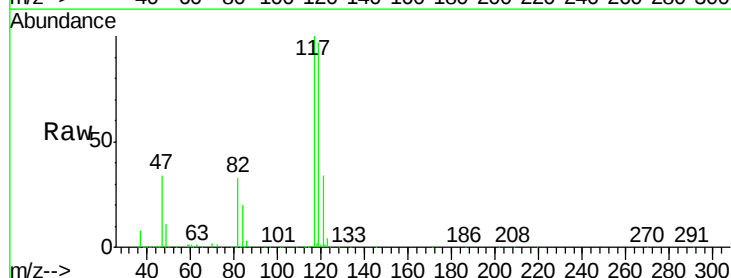


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

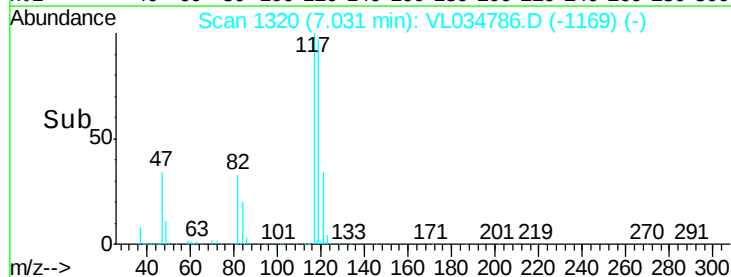
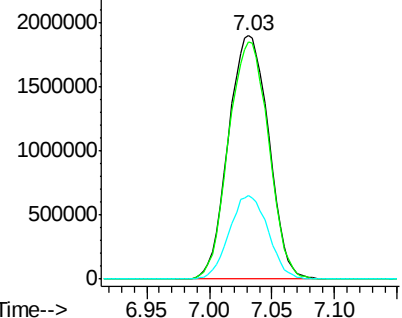


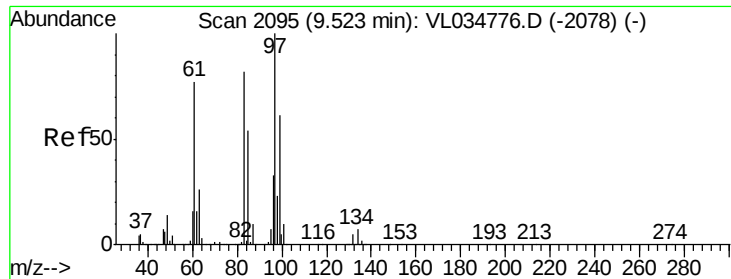
#35
 Carbon Tetrachloride
 Concen: 28.094 ppbv
 RT: 7.03 min Scan# 1320
 Delta R.T. -0.02 min
 Lab File: VL034786.D
 Acq: 4 Mar 2020 9:32

Tgt Ion:117 Resp: 4241676
 Ion Ratio Lower Upper
 117 100
 119 97.4 76.8 115.2
 121 34.4 24.6 37.0



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: 38.560 ppbv

RT: 9.50 min Scan# 2089

Delta R.T. -0.02 min

Lab File: VL034786.D

Acq: 4 Mar 2020 9:32

Instrument :

MSVOA_L

ClientSampleId :

E051-1100

Tot Ion: 97 Resp: 2809089

Ion	Ratio	Lower	Upper
97	100		
83	90.2	65.2	97.8
85	60.1	43.6	65.4
99	63.7	48.9	73.3

97 100

83 90.2 65.2 97.8

85 60.1 43.6 65.4

99 63.7 48.9 73.3

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

2000000

1500000

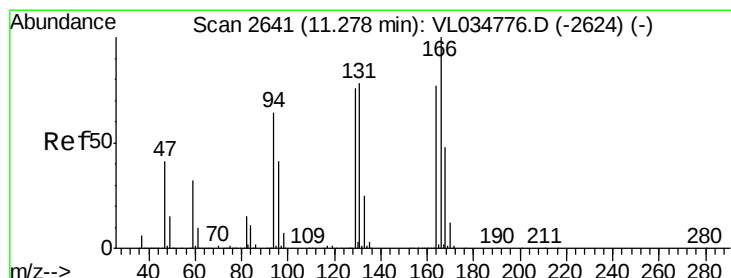
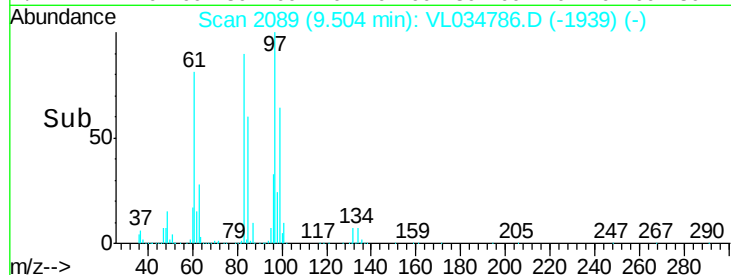
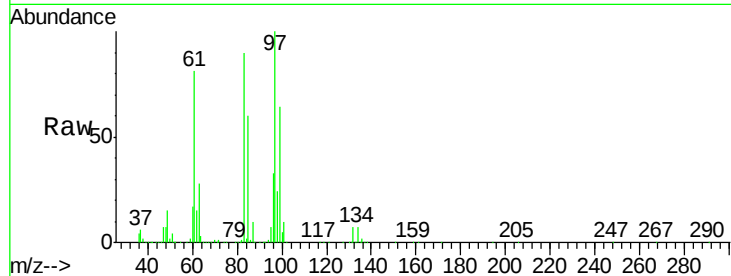
1000000

500000

0

9.40 9.45 9.50 9.55

Time-->



#52

Tetrachloroethene

Concen: 36.806 ppbv

RT: 11.26 min Scan# 2636

Delta R.T. -0.02 min

Lab File: VL034786.D

Acq: 4 Mar 2020 9:32

Tgt Ion: 164 Resp: 2324991

Ion	Ratio	Lower	Upper
164	100		
166	128.6	103.3	154.9
129	107.5	79.0	118.4
131	103.1	81.0	121.4

164 100

166 128.6 103.3 154.9

129 107.5 79.0 118.4

131 103.1 81.0 121.4

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

2000000

1500000

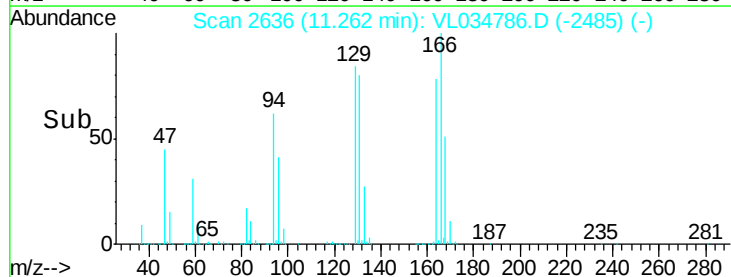
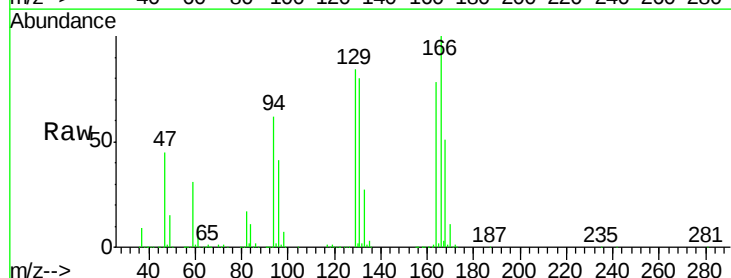
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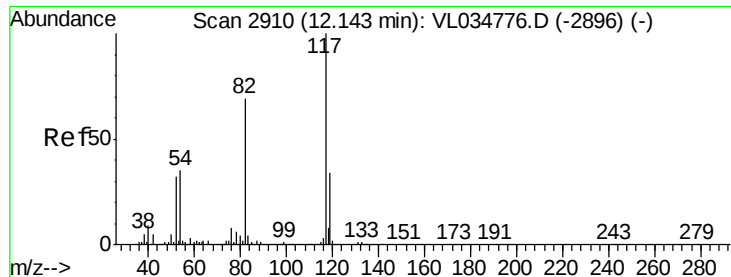
500000

0

11.20 11.25 11.30

Time-->

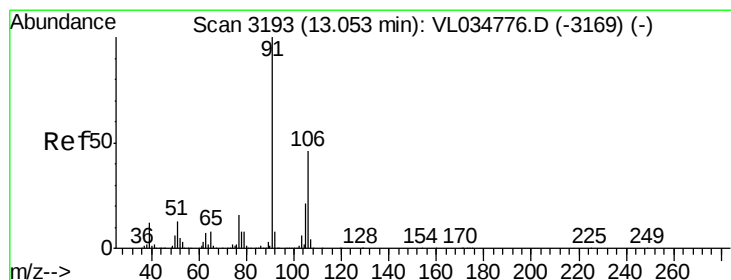
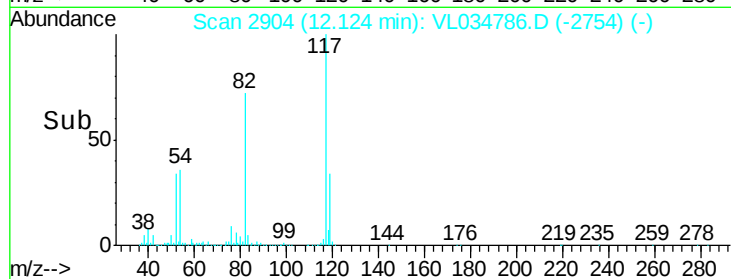
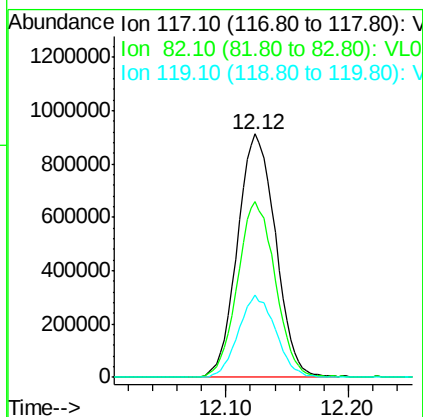
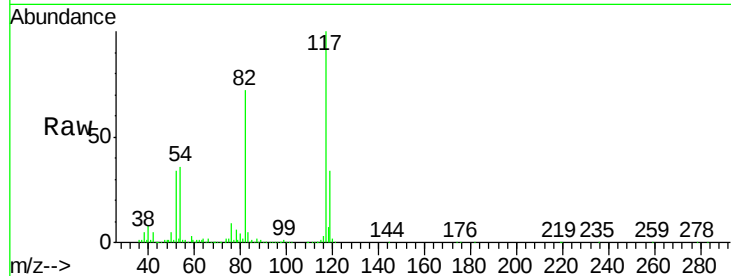




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. -0.02 min
Lab File: VL034786.D
Acq: 4 Mar 2020 9:32

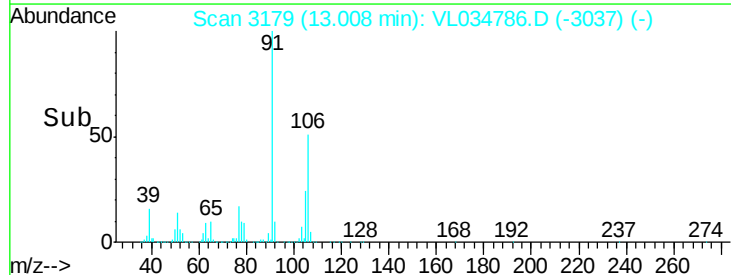
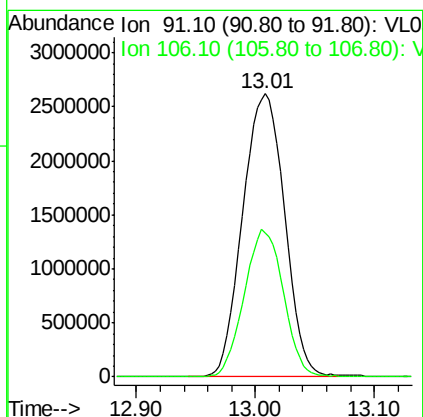
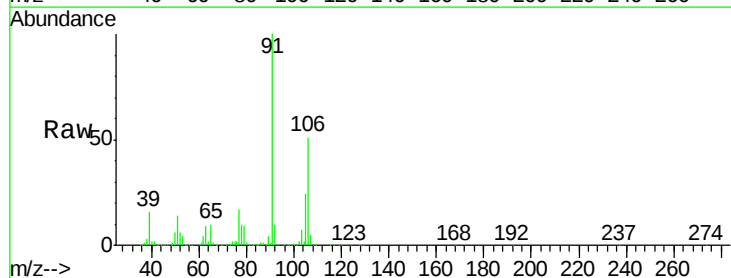
Instrument :
MSVOA_L
ClientSampleId :
E051-1100

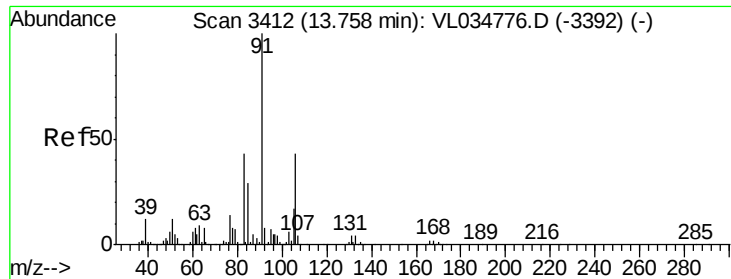
Tot Ion:117 Resp: 1966070
Ion Ratio Lower Upper
117 100
82 71.9 53.9 80.9
119 33.3 25.0 37.4



#59
m/p-Xylene
Concen: 30.506 ppbv
RT: 13.01 min Scan# 3179
Delta R.T. -0.04 min
Lab File: VL034786.D
Acq: 4 Mar 2020 9:32

Tgt Ion: 91 Resp: 6398126
Ion Ratio Lower Upper
91 100
106 49.0 35.8 53.8

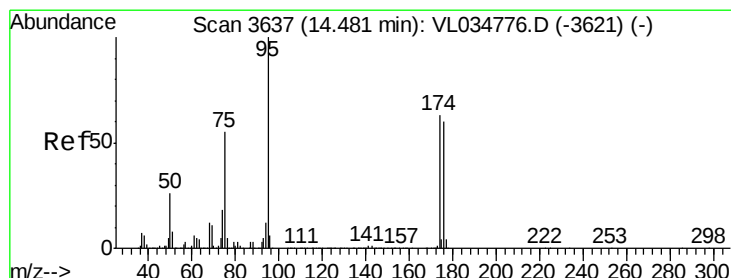
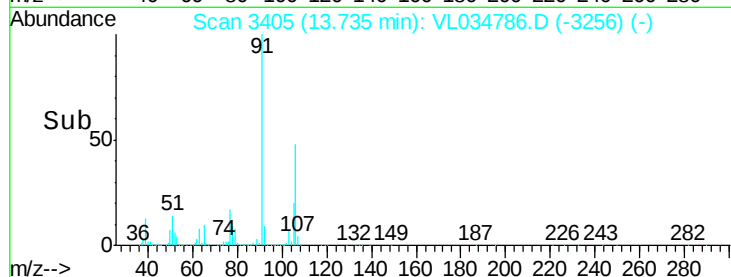
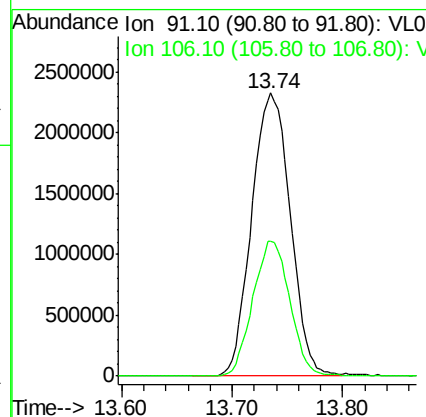
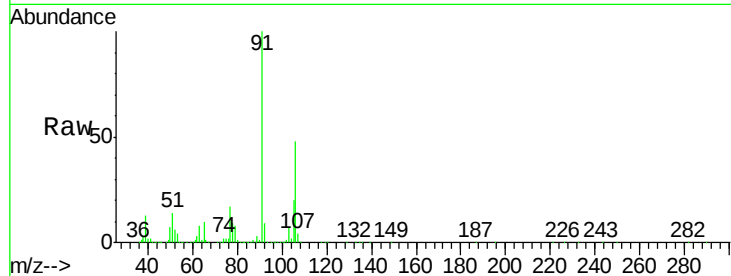




#60
o-Xylene
Concen: 26.603 ppbv
RT: 13.74 min Scan# 3405
Delta R.T. -0.02 min
Lab File: VL034786.D
Acq: 4 Mar 2020 9:32

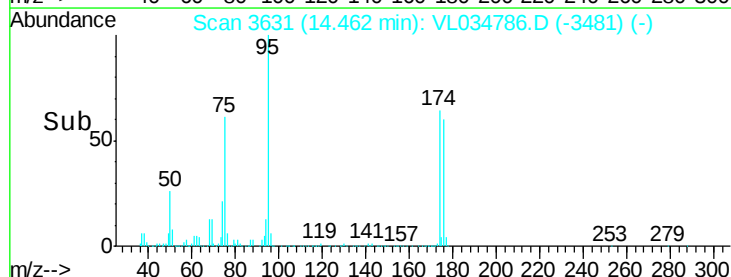
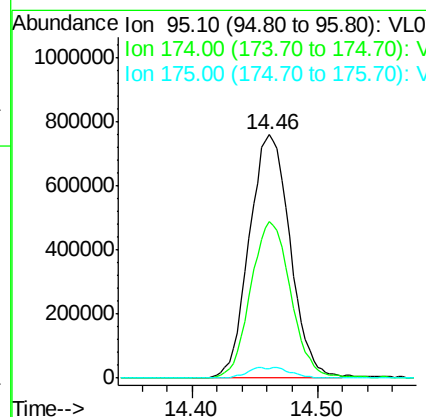
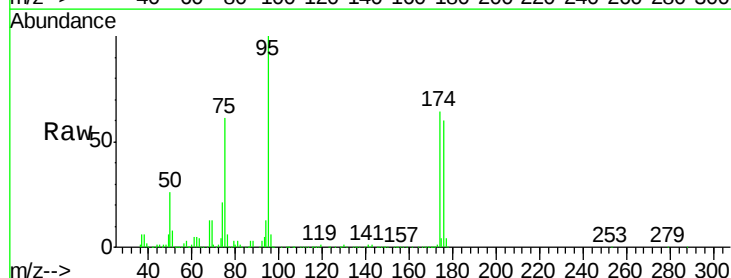
Instrument :
MSVOA_L
ClientSampleId :
E051-1100

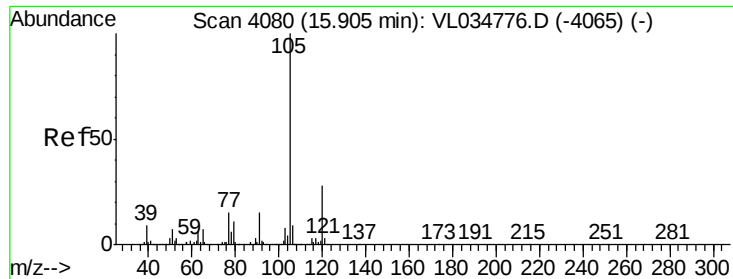
Tot Ion: 91 Resp: 5645209
Ion Ratio Lower Upper
91 100
106 45.9 21.7 65.1



#68
1-Bromo-4-Fluorobenzene
Concen: 10.468 ppbv
RT: 14.46 min Scan# 3631
Delta R.T. -0.02 min
Lab File: VL034786.D
Acq: 4 Mar 2020 9:32

Tgt Ion: 95 Resp: 1716060
Ion Ratio Lower Upper
95 100
174 63.6 50.6 76.0
175 4.6 3.8 5.6





#72

4-Ethyltoluene

Concen: 32.533 ppbv

RT: 15.89 min Scan# 4075

Delta R.T. -0.02 min

Lab File: VL034786.D

Acq: 4 Mar 2020 9:32

Instrument :

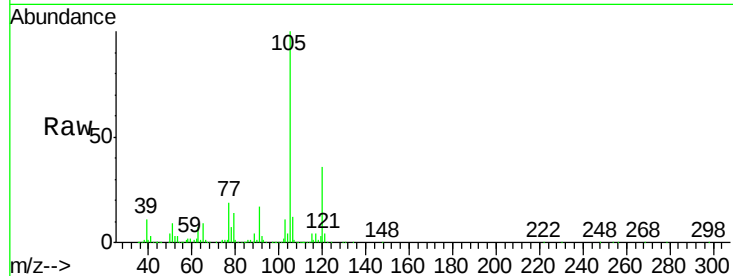
MSVOA_L

ClientSampleId :

E051-1100

Tot Ion:105 Resp: 7686570

Ion	Ratio	Lower	Upper
105	100		
120	33.4	23.0	34.6
91	16.0	11.1	16.7
77	17.5	12.2	18.4

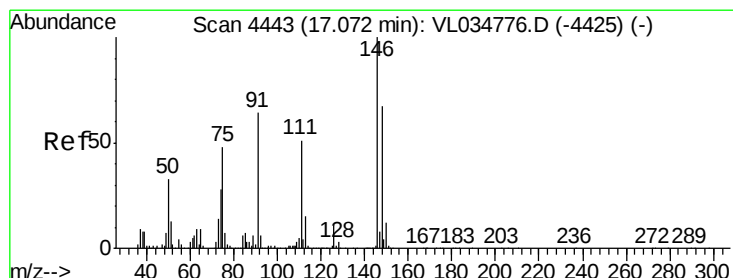
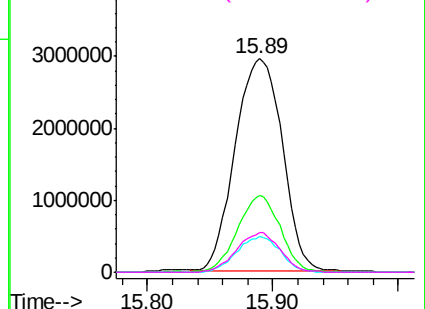
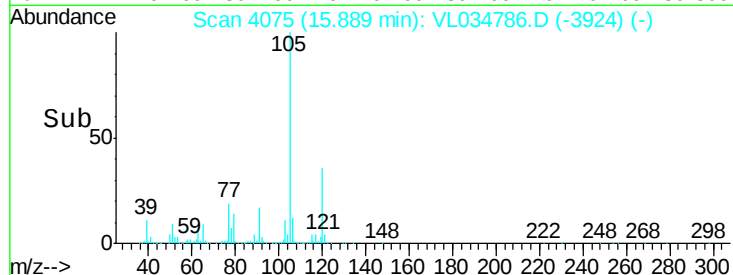


Abundance Ion 105.10 (104.80 to 105.80): V

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



#75

1,3-Dichlorobenzene

Concen: 25.119 ppbv

RT: 17.05 min Scan# 4436

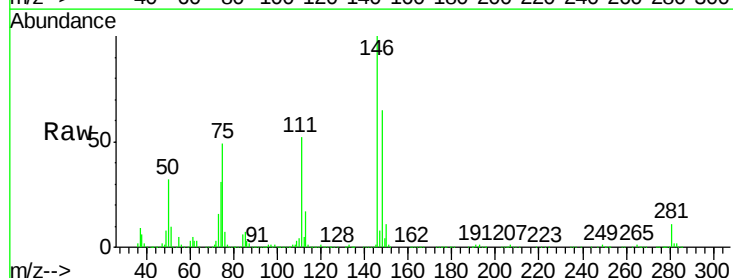
Delta R.T. -0.02 min

Lab File: VL034786.D

Acq: 4 Mar 2020 9:32

Tgt Ion:146 Resp: 3663489

Ion	Ratio	Lower	Upper
146	100		
111	51.3	24.7	74.1
148	66.0	31.8	95.4



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

