

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061319\
 Data File : VL033910.D
 Acq On : 13 Jun 2019 23:26
 Operator : SY/AP
 Sample : K3357-02DL2 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 14 05:35:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 07 08:53:27 2019
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	993591	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2342949	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.22	117	2343020	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.56	95	1826972	9.49	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.90%

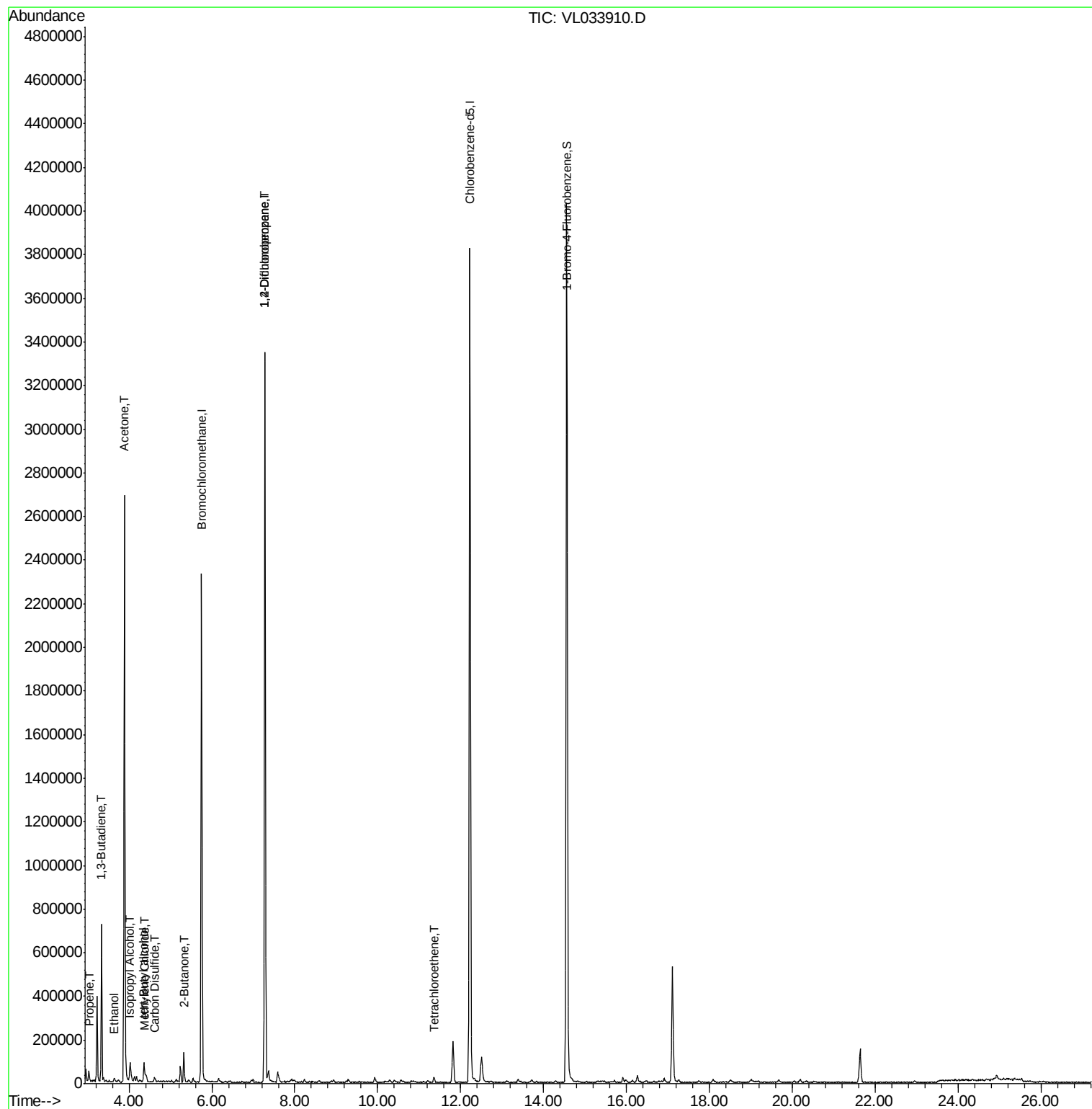
Target Compounds					Ovalue
9) Propene	3.03	41	11507	0.263 ppbv	83
13) Ethanol	3.65	45	15665	1.100 ppbv	91
15) Acetone	3.89	43	2706380	18.676 ppbv	96
16) 1,3-Butadiene	3.34	39	181764	3.295 ppbv #	12
17) tert-Butyl alcohol	4.36	59	76343	0.674 ppbv	96
19) Isopropyl Alcohol	4.02	45	81365	0.983 ppbv #	94
20) Methylene Chloride	4.39	84	1726	0.031 ppbv #	47
27) Carbon Disulfide	4.61	76	12126	0.087 ppbv #	1
34) 2-Butanone	5.32	43	149073	1.128 ppbv	100
39) 1,2-Dichloropropane	7.27	63	599383	8.677 ppbv #	25
52) Tetrachloroethene	11.36	164	2544	0.040 ppbv #	42

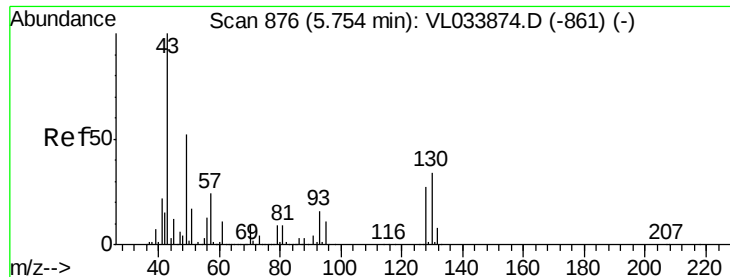
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 14 05:35:57 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 07 08:53:27 2019
QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 874

Delta R.T. -0.01 min

Lab File: VL033910.D

Acq: 13 Jun 2019 23:26

Instrument :

MSVOA_L

ClientSampleId :

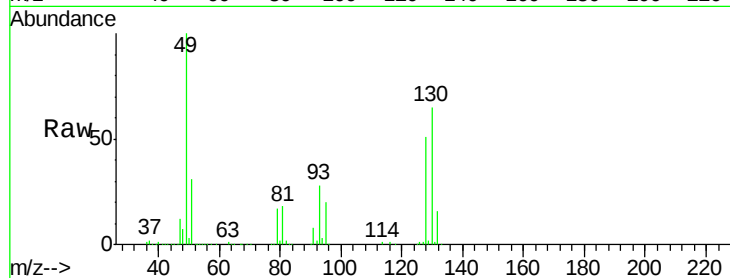
Tot Ion: 49 Resp: 993591

Ion Ratio Lower Upper

49 100

128 51.7 25.5 76.5

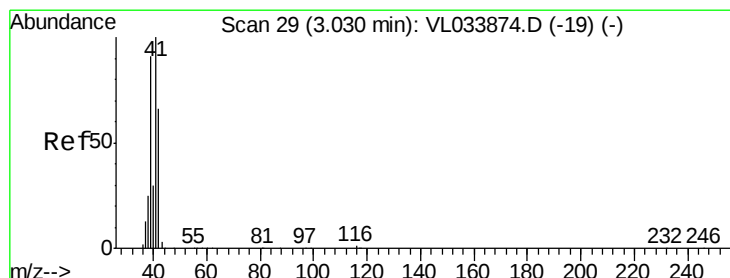
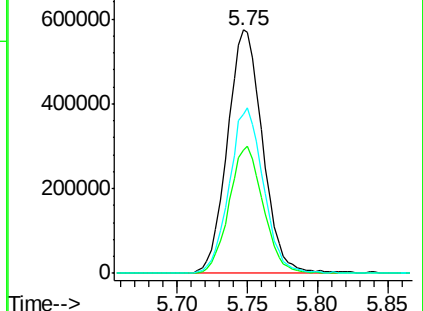
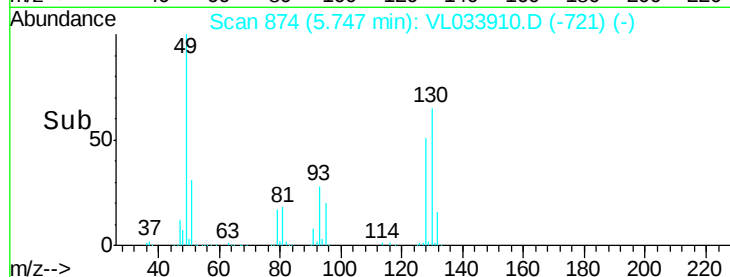
130 67.1 32.5 97.4



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



#9

Propene

Concen: 0.263 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033910.D

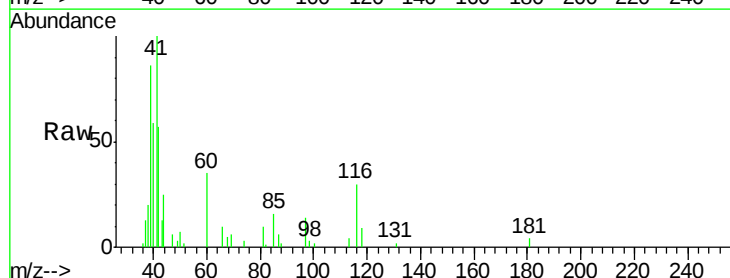
Acq: 13 Jun 2019 23:26

Tgt Ion: 41 Resp: 11507

Ion Ratio Lower Upper

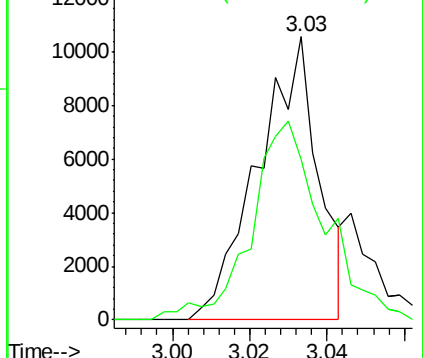
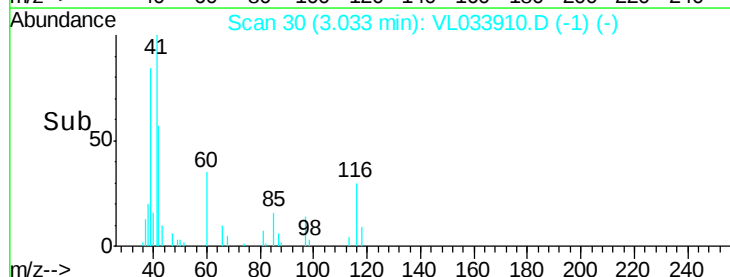
41 100

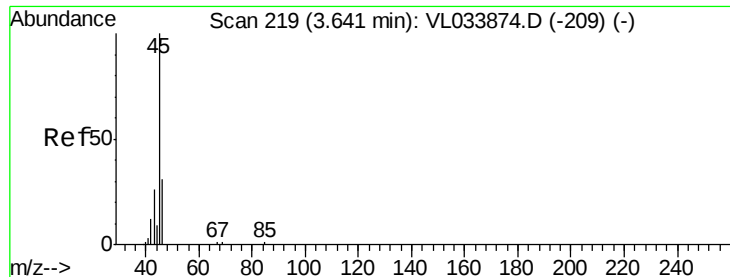
42 84.2 56.3 84.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

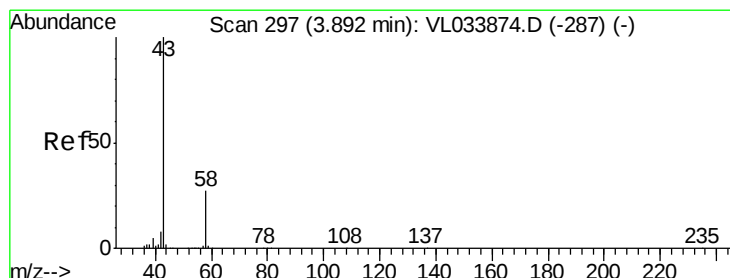
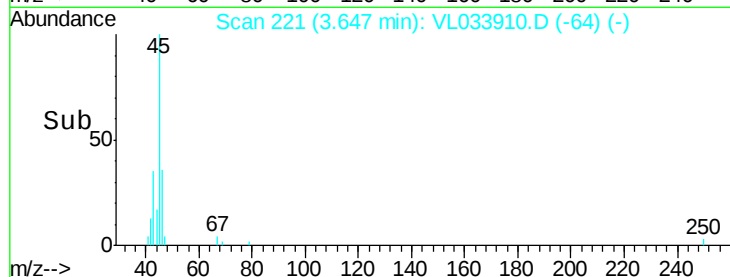
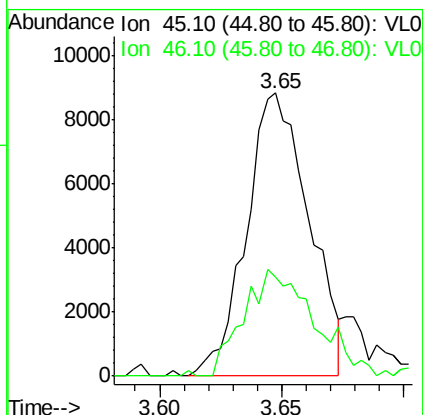
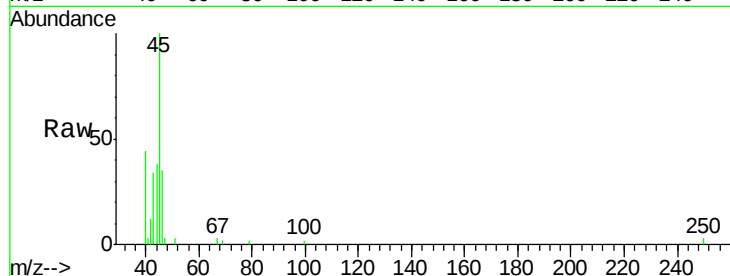




#13
Ethanol
Concen: 1.100 ppbv
RT: 3.65 min Scan# 221
Delta R.T. 0.01 min
Lab File: VL033910.D
Acq: 13 Jun 2019 23:26

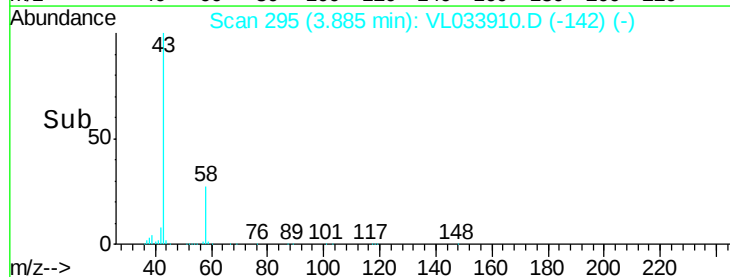
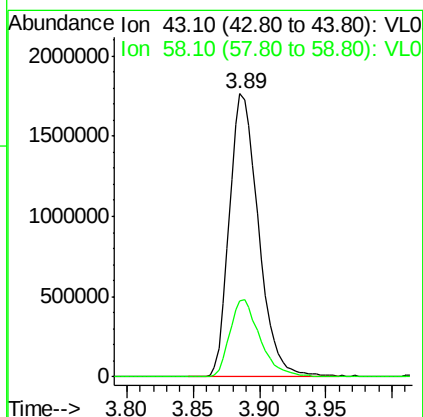
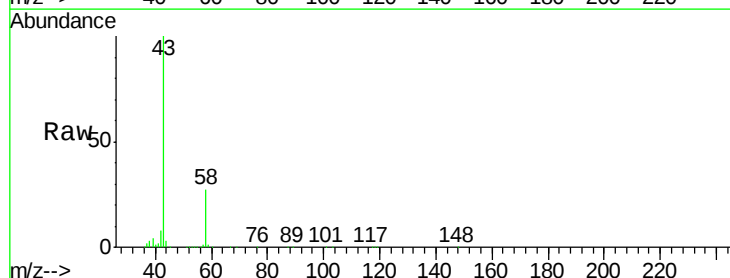
Instrument :
MSVOA_L
ClientSampleId :

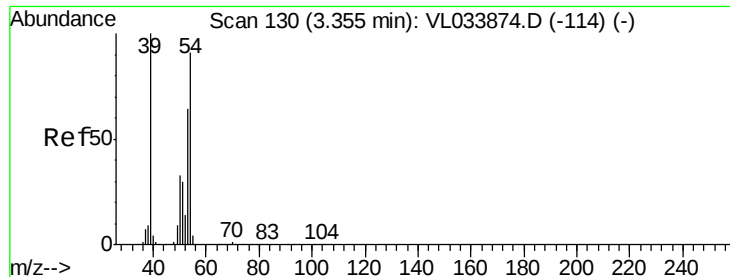
Tot Ion: 45 Resp: 15665
Ion Ratio Lower Upper
45 100
46 43.5 15.3 61.1



#15
Acetone
Concen: 18.676 ppbv
RT: 3.89 min Scan# 295
Delta R.T. -0.01 min
Lab File: VL033910.D
Acq: 13 Jun 2019 23:26

Tgt Ion: 43 Resp: 2706380
Ion Ratio Lower Upper
43 100
58 28.4 21.3 31.9

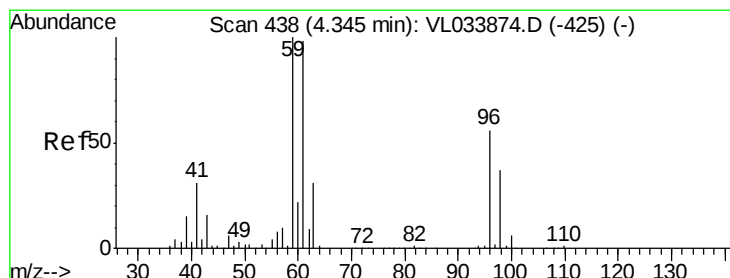
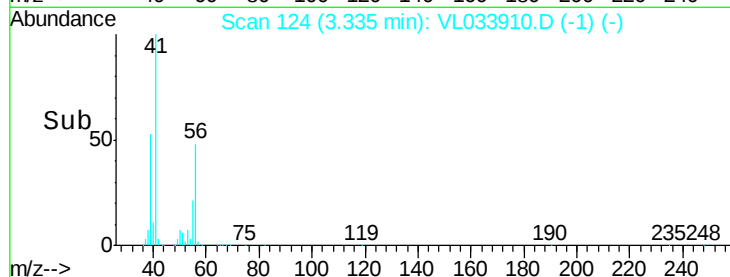
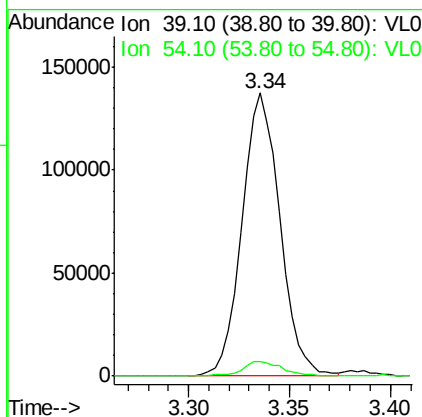
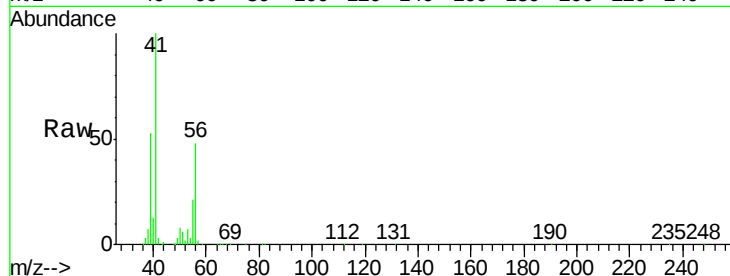




#16
 1,3-Butadiene
 Concen: 3.295 ppbv
 RT: 3.34 min Scan# 124
 Delta R.T. -0.02 min
 Lab File: VL033910.D
 Acq: 13 Jun 2019 23:26

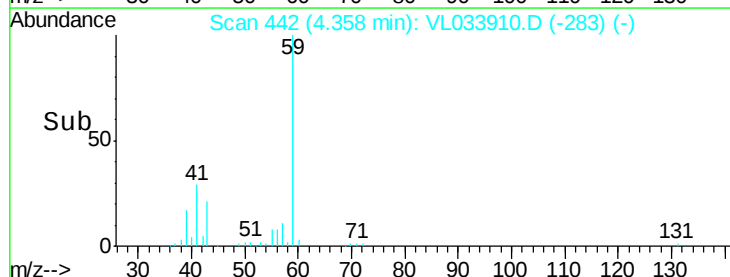
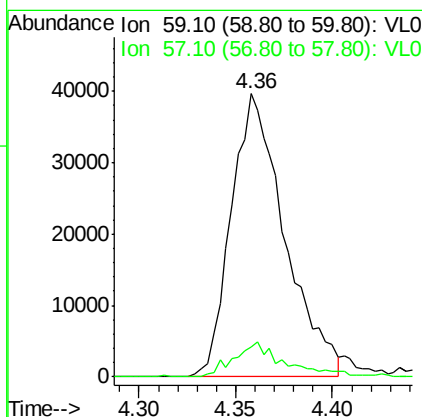
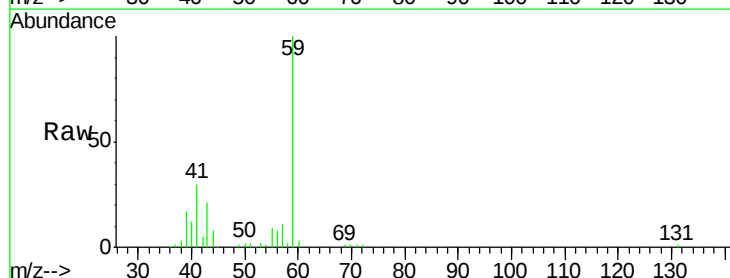
Instrument :
 MSVOA_L
 ClientSampleId :

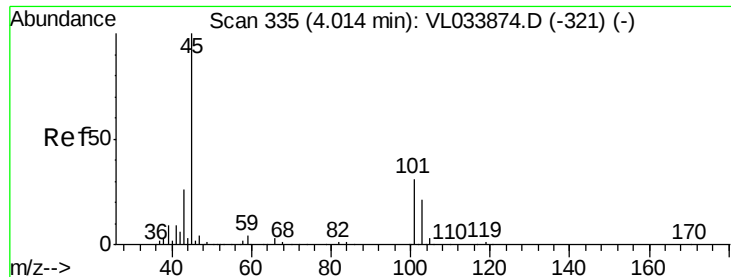
Tot Ion: 39 Resp: 181764
 Ion Ratio Lower Upper
 39 100
 54 5.4 68.6 103.0#



#17
 tert-Butyl alcohol
 Concen: 0.674 ppbv
 RT: 4.36 min Scan# 442
 Delta R.T. 0.01 min
 Lab File: VL033910.D
 Acq: 13 Jun 2019 23:26

Tgt Ion: 59 Resp: 76343
 Ion Ratio Lower Upper
 59 100
 57 11.8 8.4 12.6





#19

Isopropyl Alcohol

Concen: 0.983 ppbv

RT: 4.02 min Scan# 338

Delta R.T. 0.01 min

Lab File: VL033910.D

Acq: 13 Jun 2019 23:26

Instrument :

MSVOA_L

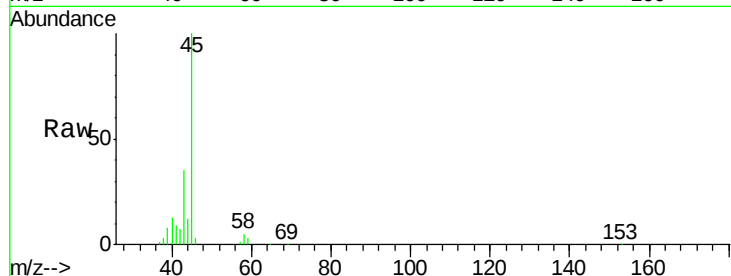
ClientSampleId :

Tot Ion: 45 Resp: 81365

Ion Ratio Lower Upper

45 100

58 0.0 1.8 2.6#

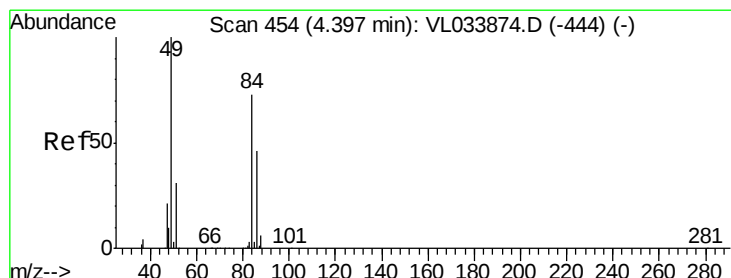
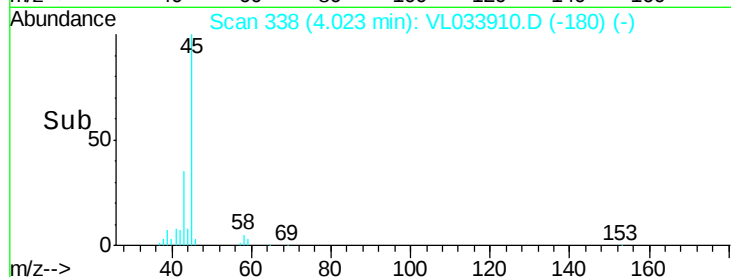


Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.02

Time-->



#20

Methylene Chloride

Concen: 0.031 ppbv

RT: 4.39 min Scan# 453

Delta R.T. -0.00 min

Lab File: VL033910.D

Acq: 13 Jun 2019 23:26

Tgt Ion: 84 Resp: 1726

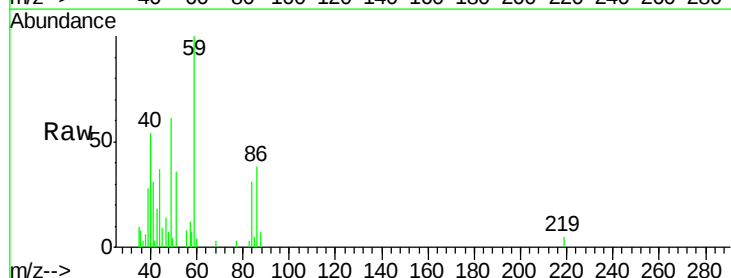
Ion Ratio Lower Upper

84 100

49 193.6 110.0 165.0#

51 91.8 34.6 51.8#

86 102.4 50.6 75.8#



Abundance Ion 84.00 (83.70 to 84.70): VL0

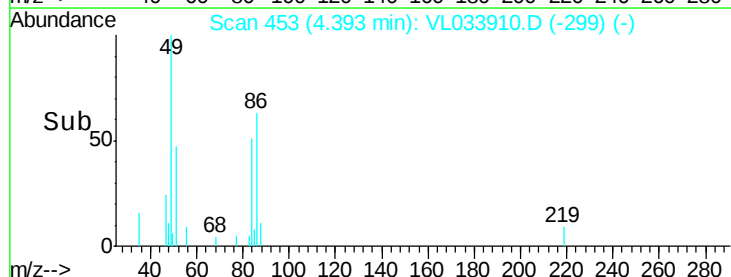
Ion 49.10 (48.80 to 49.80): VL0

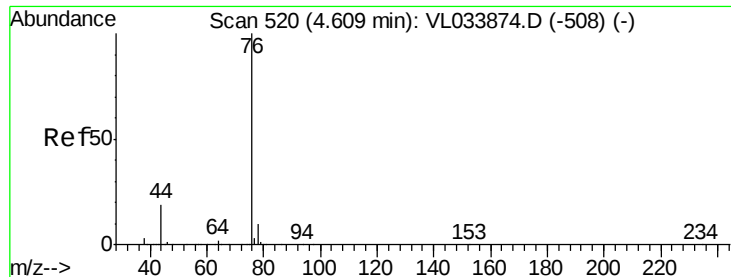
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

4.39

Time-->





#27

Carbon Disulfide

Concen: 0.087 ppbv

RT: 4.61 min Scan# 520

Delta R.T. -0.00 min

Lab File: VL033910.D

Acq: 13 Jun 2019 23:26

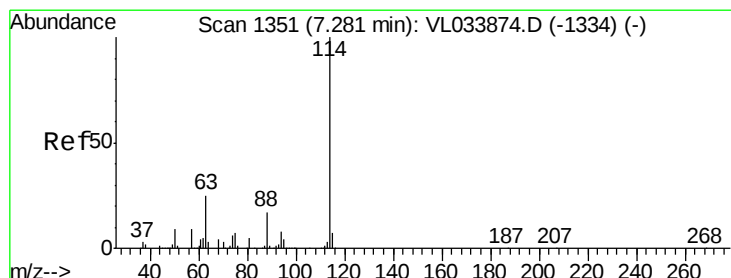
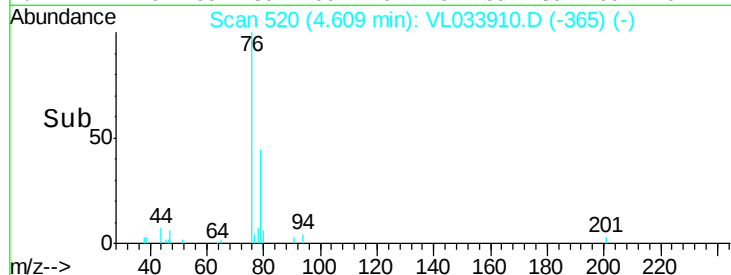
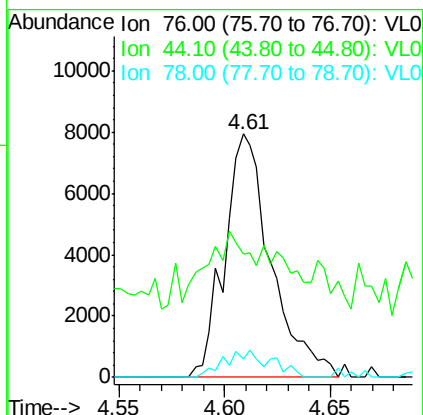
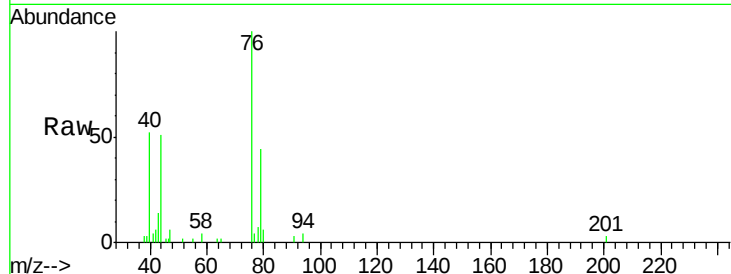
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 76 Resp: 12126

Ion	Ratio	Lower	Upper
76	100		
44	91.9	14.4	21.6#
78	11.1	7.5	11.3



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.28 min Scan# 1350

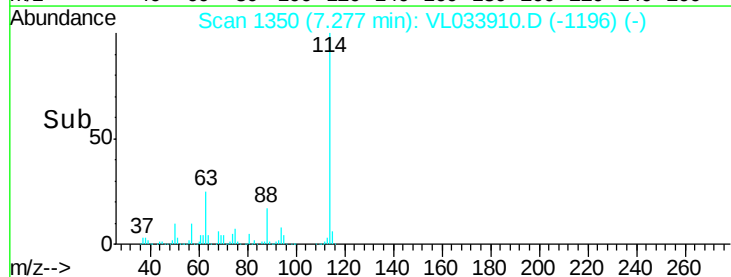
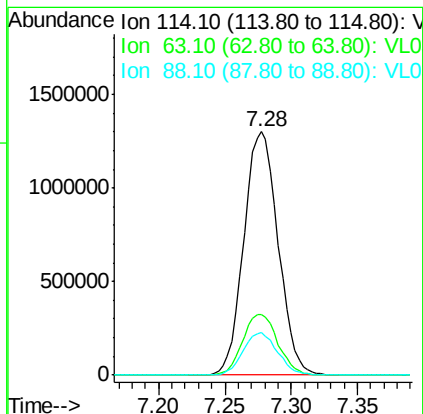
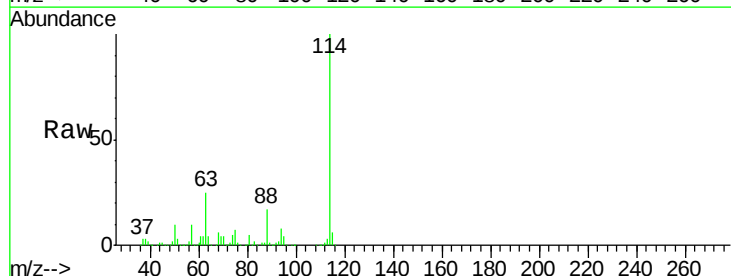
Delta R.T. -0.00 min

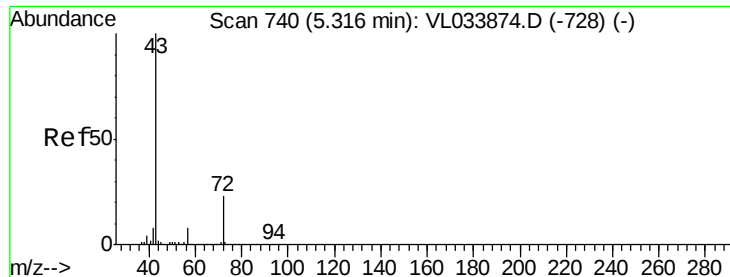
Lab File: VL033910.D

Acq: 13 Jun 2019 23:26

Tgt Ion: 114 Resp: 2342949

Ion	Ratio	Lower	Upper
114	100		
63	25.7	21.1	31.7
88	17.5	14.2	21.4

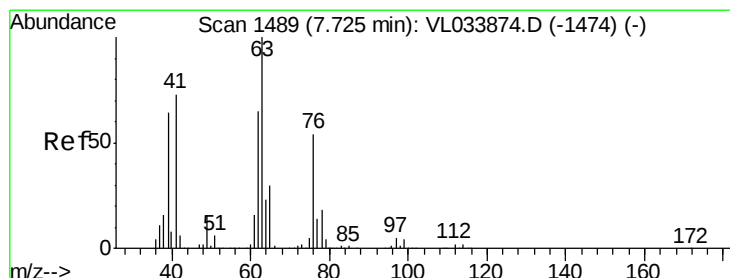
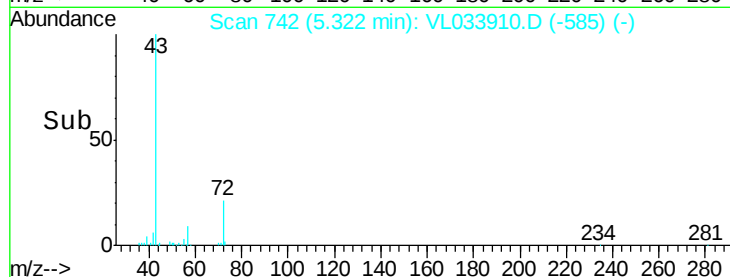
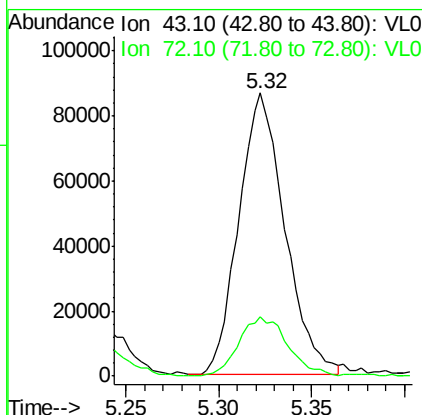
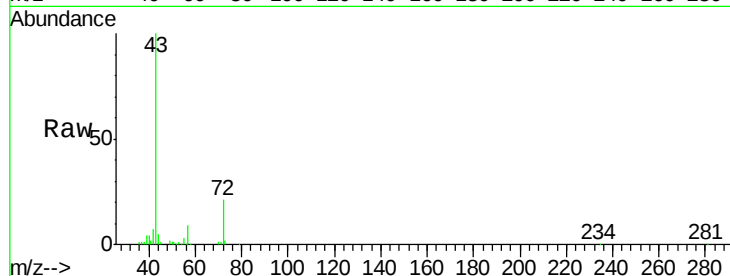




#34
 2-Butanone
 Concen: 1.128 ppbv
 RT: 5.32 min Scan# 742
 Delta R.T. 0.01 min
 Lab File: VL033910.D
 Acq: 13 Jun 2019 23:26

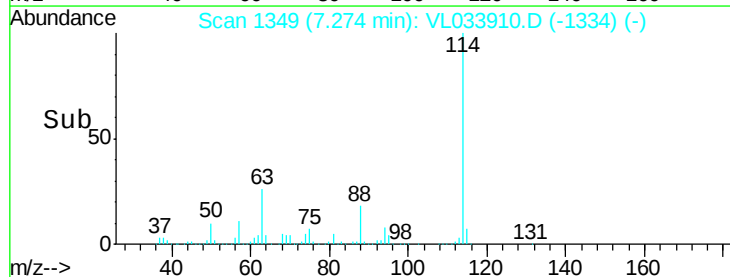
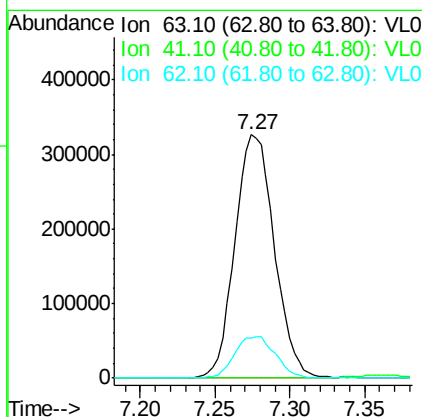
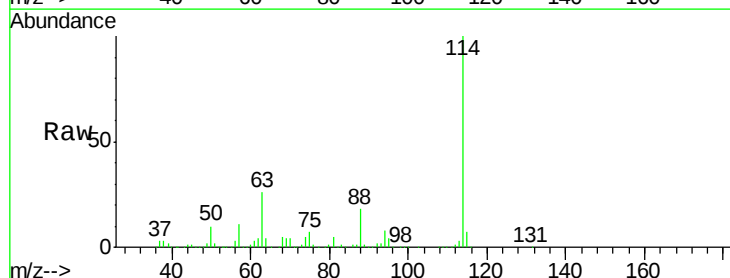
Instrument :
 MSVOA_L
 ClientSampleId :

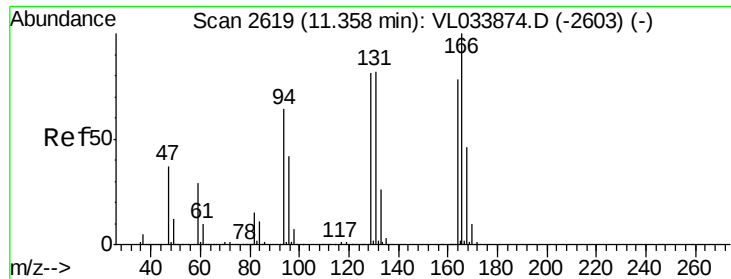
Tot Ion: 43 Resp: 149073
 Ion Ratio Lower Upper
 43 100
 72 22.6 17.9 26.9



#39
 1,2-Dichloropropane
 Concen: 8.677 ppbv
 RT: 7.27 min Scan# 1349
 Delta R.T. -0.45 min
 Lab File: VL033910.D
 Acq: 13 Jun 2019 23:26

Tgt Ion: 63 Resp: 599383
 Ion Ratio Lower Upper
 63 100
 41 0.1 58.7 88.1#
 62 16.5 51.9 77.9#





#52

Tetrachloroethene

Concen: 0.040 ppbv

RT: 11.36 min Scan# 2619

Delta R.T. -0.00 min

Lab File: VL033910.D

Acq: 13 Jun 2019 23:26

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:164 Resp: 2544

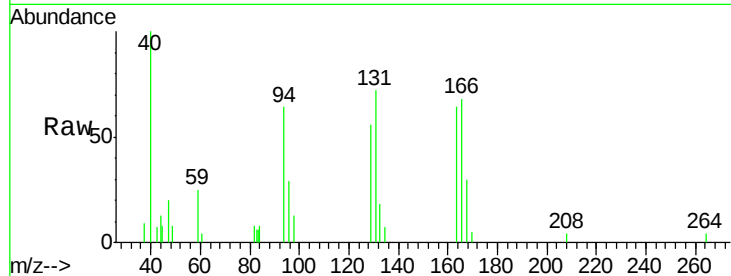
Ion Ratio Lower Upper

164 100

166 60.0 103.1 154.7#

129 13.0 83.9 125.9#

131 80.5 85.1 127.7#

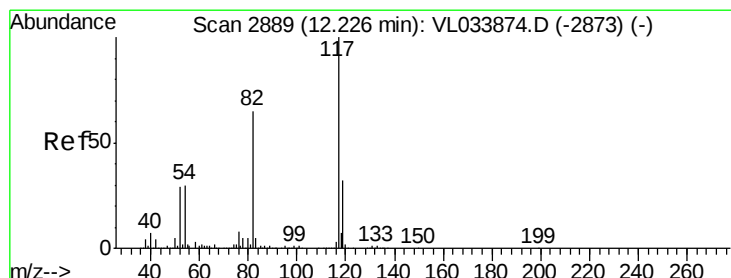
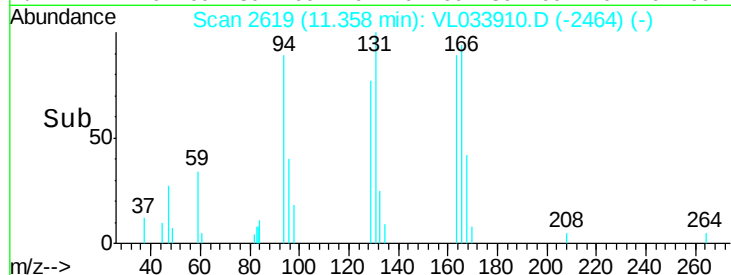
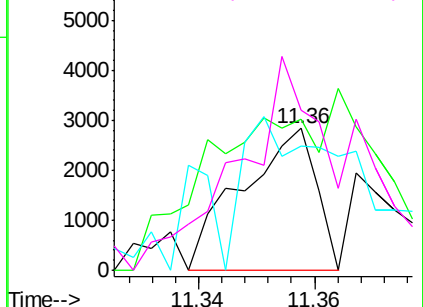


Abundance Ion 163.90 (163.60 to 164.60): V

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: 12.22 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VL033910.D

Acq: 13 Jun 2019 23:26

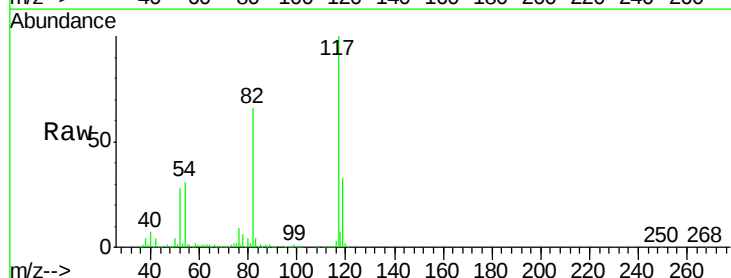
Tgt Ion:117 Resp: 2343020

Ion Ratio Lower Upper

117 100

82 66.9 50.2 75.2

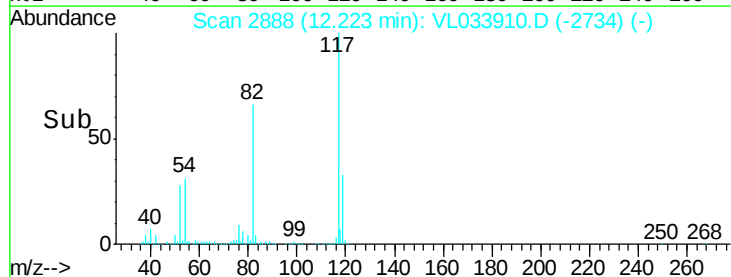
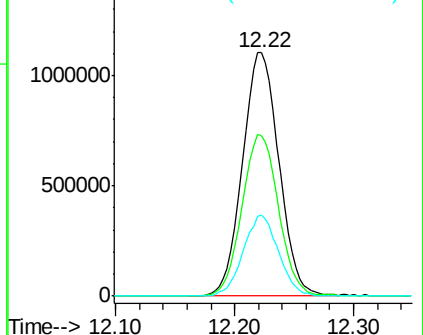
119 32.4 24.8 37.2

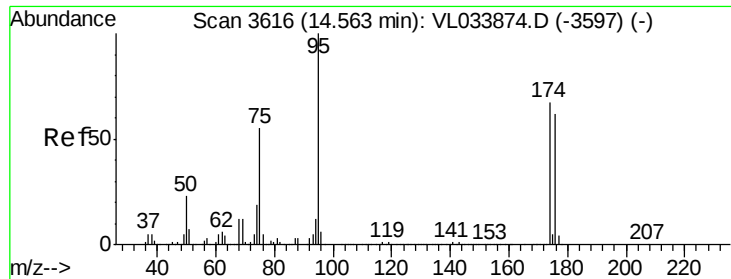


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.493 ppbv

RT: 14.56 min Scan# 3614

Delta R.T. -0.01 min

Lab File: VL033910.D

Acq: 13 Jun 2019 23:26

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 1826972

Ion Ratio Lower Upper

95 100

174 67.0 54.0 81.0

175 4.8 3.8 5.8

