

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081020\
 Data File : VL035374.D
 Acq On : 10 Aug 2020 14:57
 Operator : SY/AP
 Sample : L3554-04DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 4-UNDER-GROUND DL

Manual Integrations
 APPROVED

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 8/12/2020 3:58:24 PM

Quant Time: Aug 11 04:50:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 0
 QLast Update : Wed Aug 05 13:04:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1273017	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3106602	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2857639	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2438857	10.23	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.97	41	35552	0.687	ppbv	99
11) Trichlorofluoromethane	3.92	101	147313	0.672	ppbv	85
13) Ethanol	3.60	45	49028m	2.745	ppbv	
15) Acetone	3.81	43	1212303	6.706	ppbv	94
20) Methylene Chloride	4.32	84	184220	2.499	ppbv	96
26) Hexane	5.67	57	111230	0.934	ppbv #	39
34) 2-Butanone	5.23	43	161764	1.058	ppbv	100

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

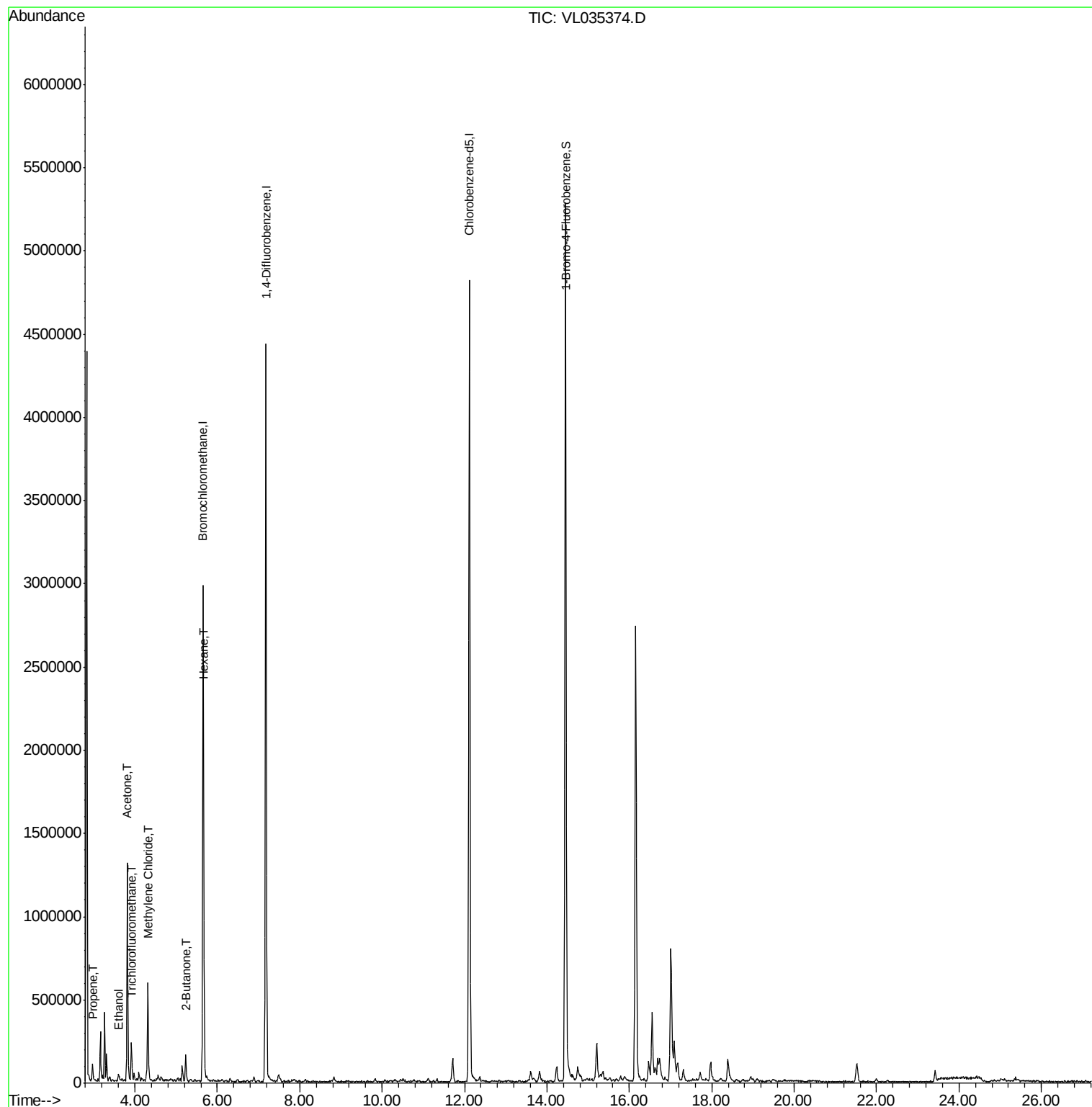
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081020\
Data File : VL035374.D
Acq On : 10 Aug 2020 14:57
Operator : SY/AP
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Misc : 400ml/MSVOA L
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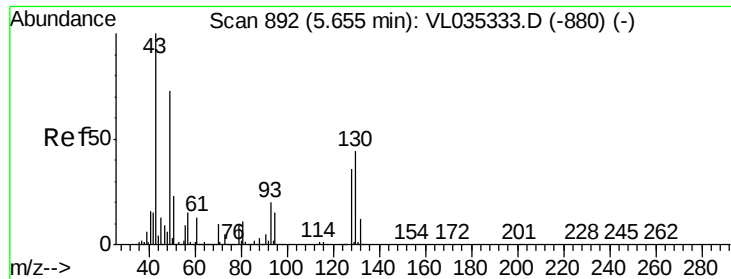
Instrument :
MSVOA_L
ClientSampleId :
4-UNDER-GROUNDL

Manual Integrations
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8/12/2020 3:58:24 PM

Quant Time: Aug 11 04:50:26 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug
QLast Update : Wed Aug 05 13:04:46 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.00 min

Lab File: VL035374.D

Acq: 10 Aug 2020 14:57

Instrument :

MSVOA_L

ClientSampleId :

4-UNDER-GROUND DL

Tot Ion: 49 Resp: 1273017

Ion Ratio Lower Upper

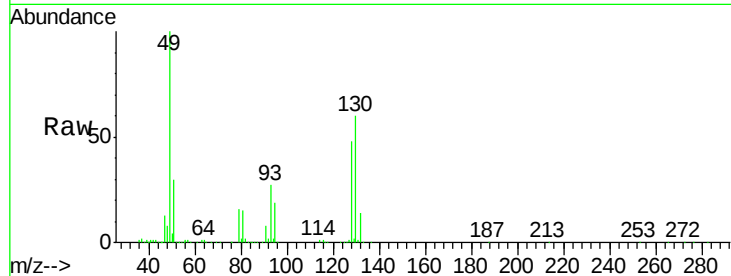
49 100

128 50.8 25.4 76.0

130 62.9 32.1 96.3

Manual Integrations
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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

800000

600000

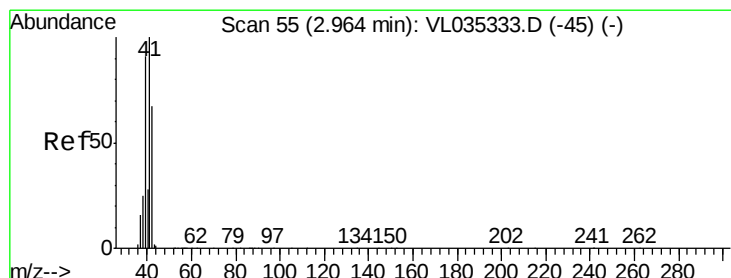
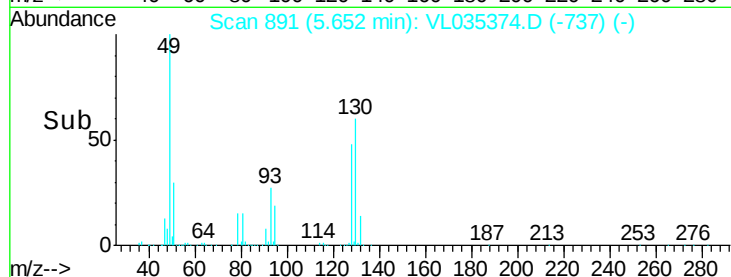
400000

200000

0

5.60 5.65 5.70

Time-->



#9

Propene

Concen: 0.687 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.01 min

Lab File: VL035374.D

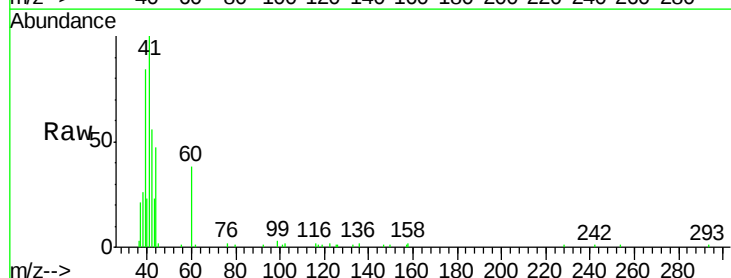
Acq: 10 Aug 2020 14:57

Tgt Ion: 41 Resp: 35552

Ion Ratio Lower Upper

41 100

42 68.2 55.3 82.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

30000

25000

20000

15000

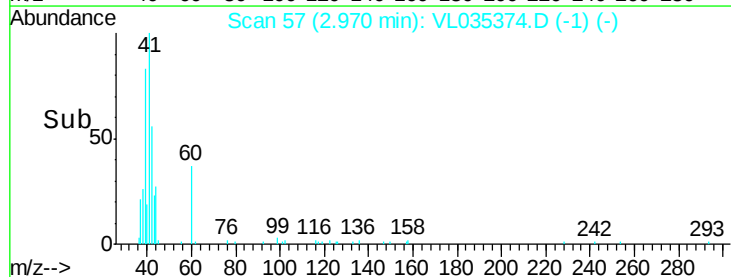
10000

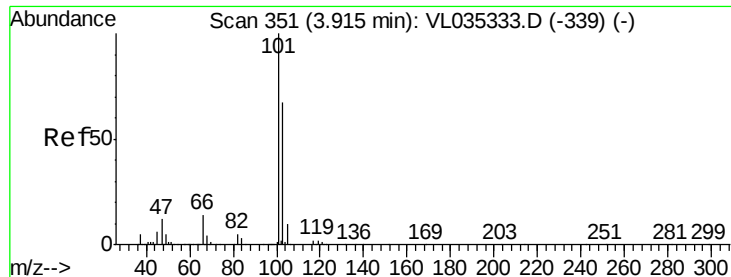
5000

0

2.95 2.97 3.00

Time-->





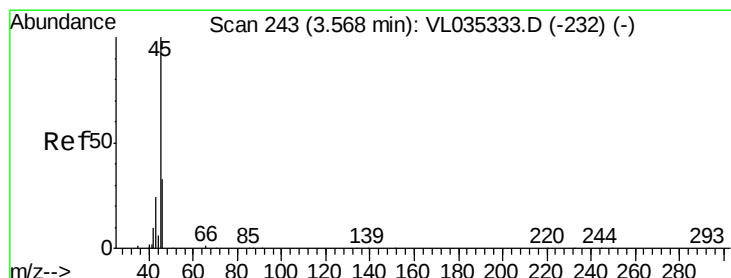
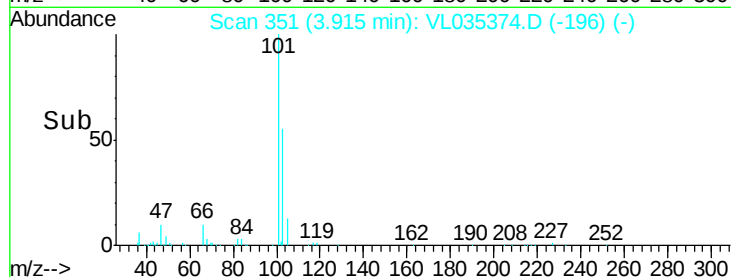
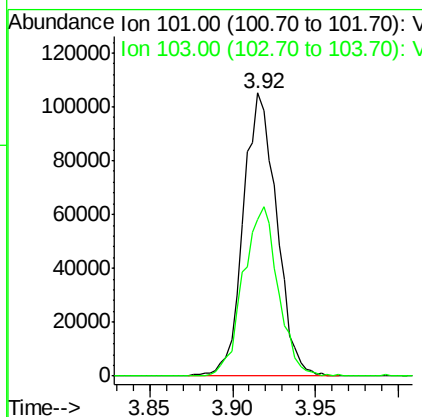
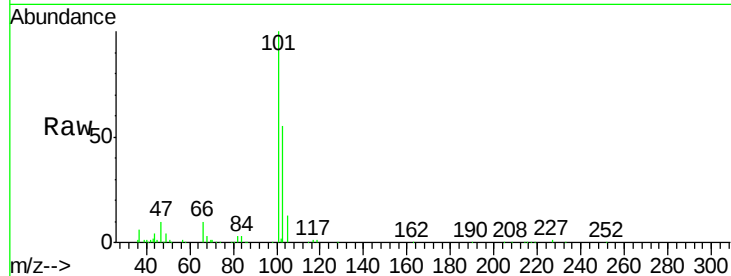
#11
 Trichlorofluoromethane
 Concen: 0.672 ppbv
 RT: 3.92 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VL035374.D
 Acq: 10 Aug 2020 14:57

Instrument :
 MSVOA_L
 ClientSampleId :
 4-UNDER-GROUND

Tot Ion	Ratio	Resp	Lower	Upper
101	100	147313		
103	55.2	53.8	80.8	

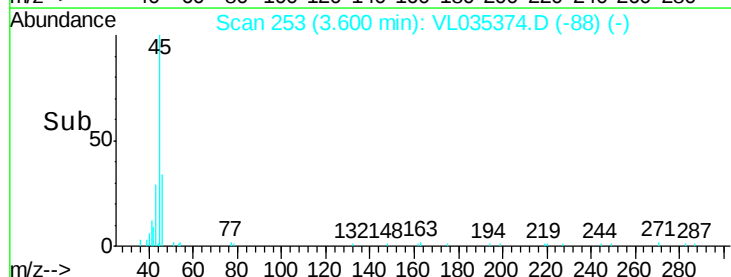
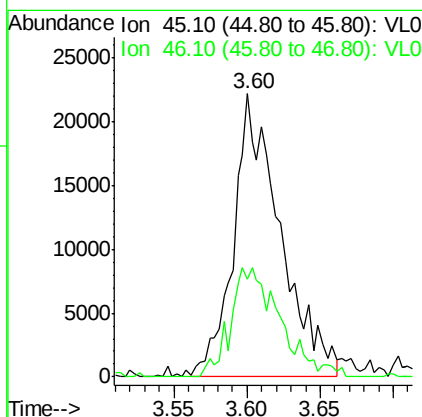
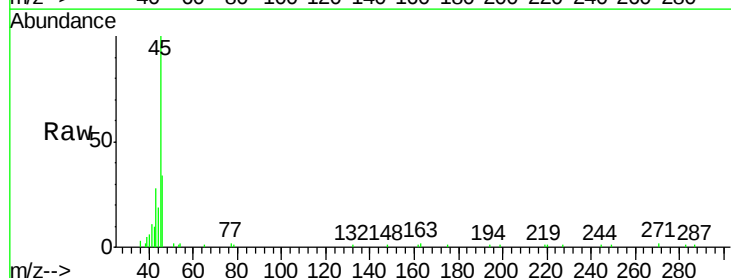
Manual Integrations
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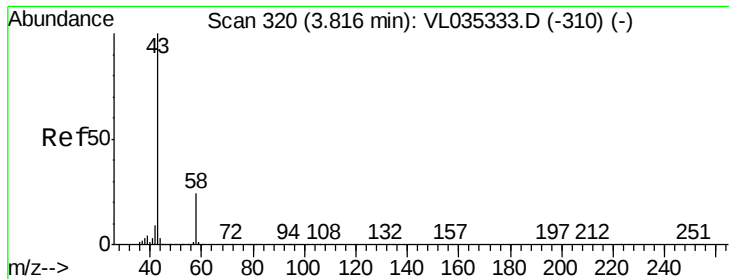
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#13
 Ethanol
 Concen: 2.745 ppbv m
 RT: 3.60 min Scan# 253
 Delta R.T. 0.03 min
 Lab File: VL035374.D
 Acq: 10 Aug 2020 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	49028		
46	41.1	15.2	61.0	





#15

Acetone

Concen: 6.706 ppbv

RT: 3.81 min Scan# 319

Delta R.T. -0.00 min

Lab File: VL035374.D

Acq: 10 Aug 2020 14:57

Instrument :

MSVOA_L

ClientSampleId :

4-UNDER-GROUND DL

Tot Ion: 43 Resp: 1212303

Ion Ratio Lower Upper

43 100

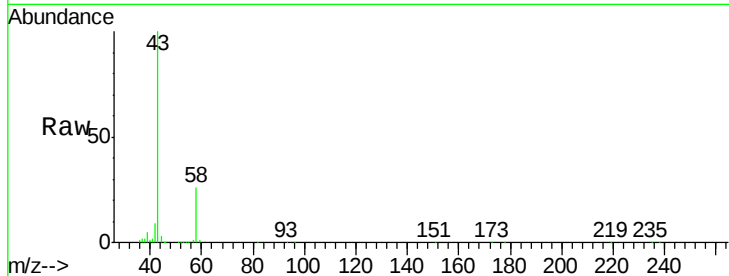
58 29.5 21.0 31.4

Manual Integrations

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

1000000

800000

600000

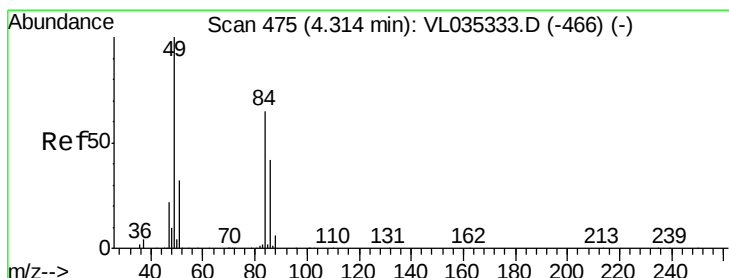
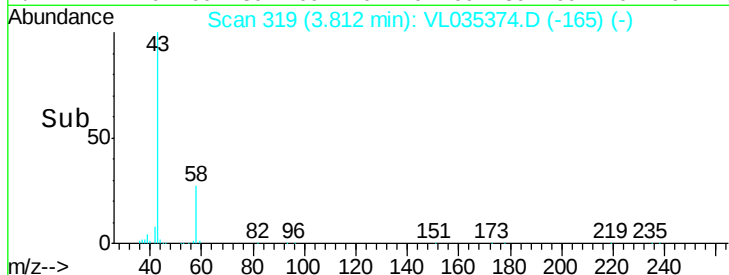
400000

200000

0

3.75 3.80 3.85 3.90

Time-->



#20

Methylene Chloride

Concen: 2.499 ppbv

RT: 4.32 min Scan# 476

Delta R.T. 0.00 min

Lab File: VL035374.D

Acq: 10 Aug 2020 14:57

Tgt Ion: 84 Resp: 184220

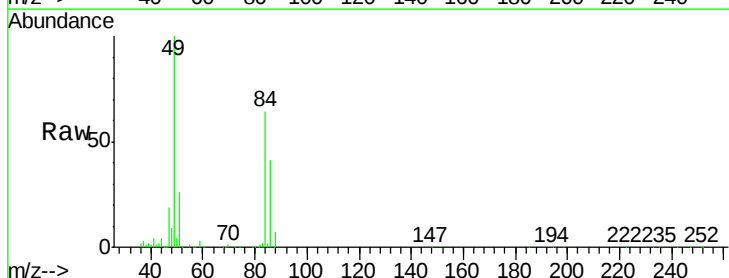
Ion Ratio Lower Upper

84 100

49 155.9 122.8 184.2

51 40.6 40.1 60.1

86 63.9 51.7 77.5



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

300000

250000

200000

150000

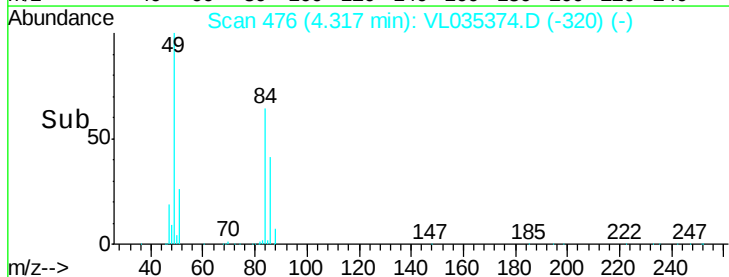
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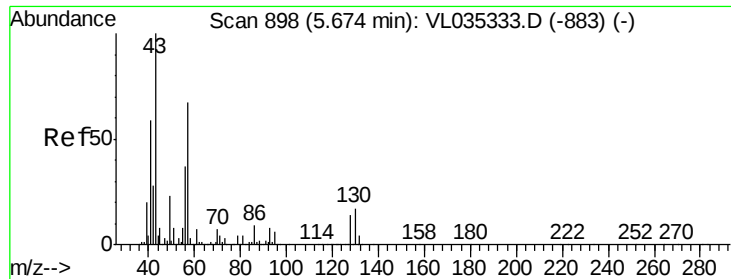
50000

0

4.25 4.30 4.35

Time-->





#26

Hexane

Concen: 0.934 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.00 min

Lab File: VL035374.D

Acq: 10 Aug 2020 14:57

Instrument :

MSVOA_L

ClientSampleId :

4-UNDER-GROUND

Tot Ion: 57 Resp: 111230

Ion Ratio Lower Upper

57 100

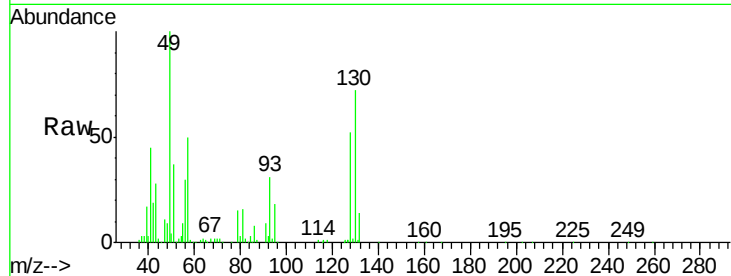
41 103.1 75.2 112.8

43 72.1 180.6 270.8#

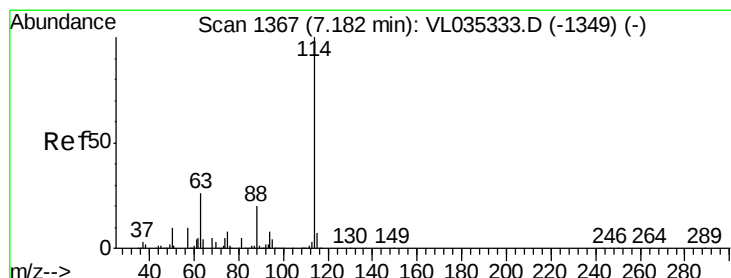
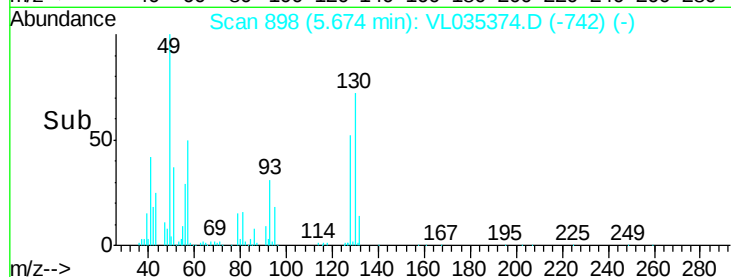
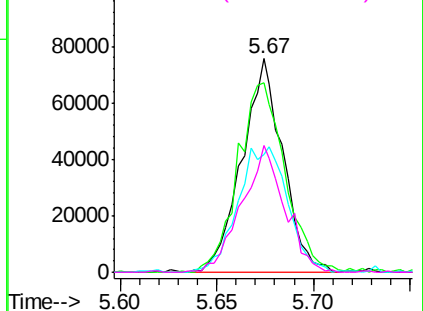
56 62.2 43.0 64.6

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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



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.00 min

Lab File: VL035374.D

Acq: 10 Aug 2020 14:57

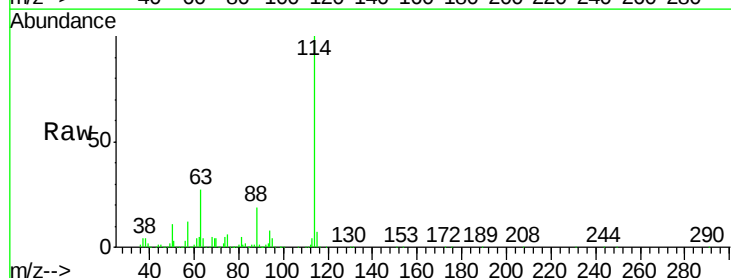
Tgt Ion: 114 Resp: 3106602

Ion Ratio Lower Upper

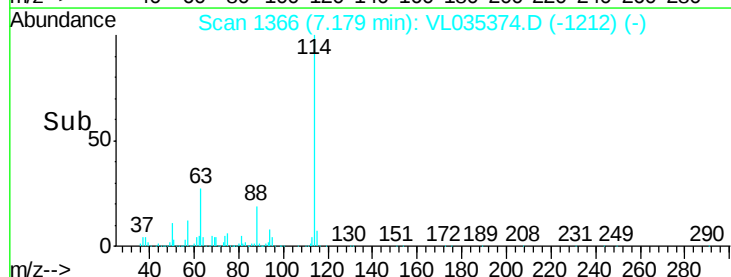
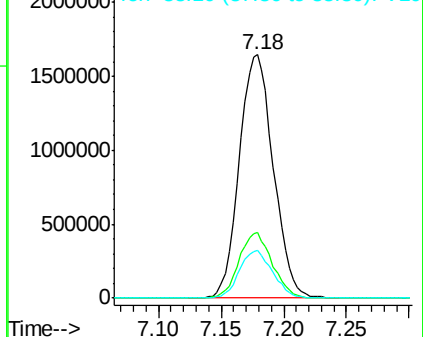
114 100

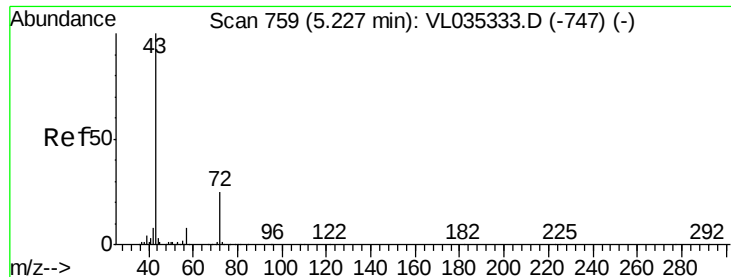
63 26.4 21.3 31.9

88 19.0 15.3 22.9



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





#34

2-Butanone

Concen: 1.058 ppbv

RT: 5.23 min Scan# 760

Delta R.T. 0.00 min

Lab File: VL035374.D

Acq: 10 Aug 2020 14:57

Instrument :

MSVOA_L

ClientSampleId :

4-UNDER-GROUND DL

Tot Ion: 43 Resp: 161764

Ion Ratio Lower Upper

43 100

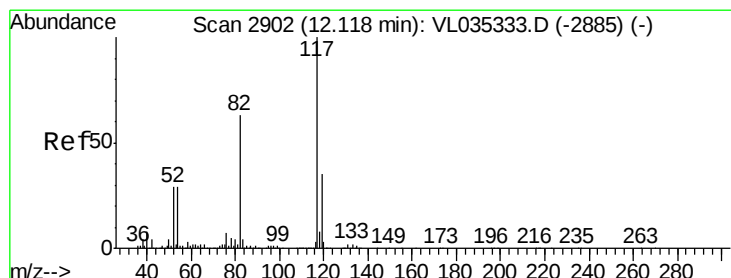
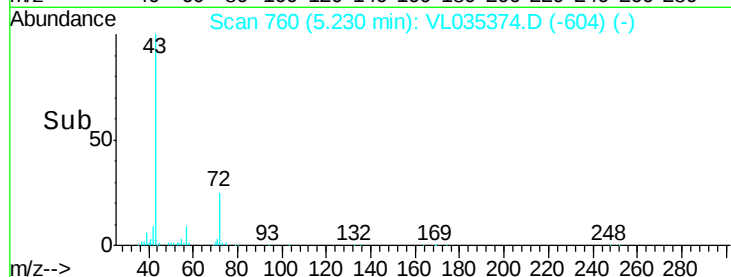
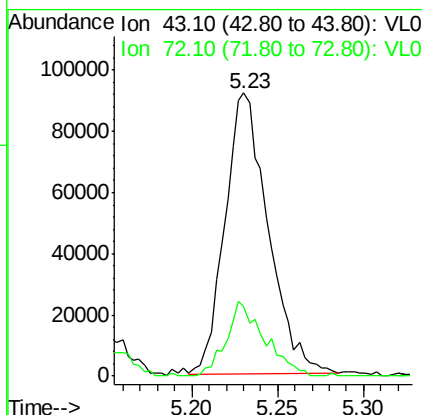
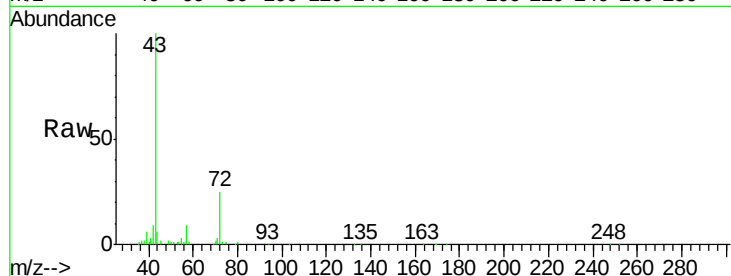
72 23.6 18.9 28.3

Manual Integrations

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2902

Delta R.T. -0.00 min

Lab File: VL035374.D

Acq: 10 Aug 2020 14:57

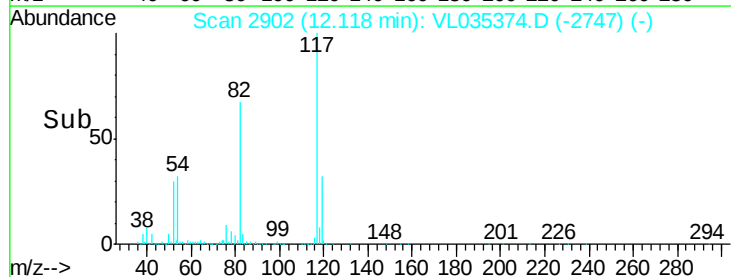
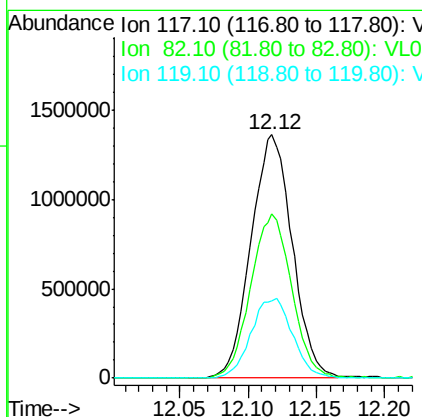
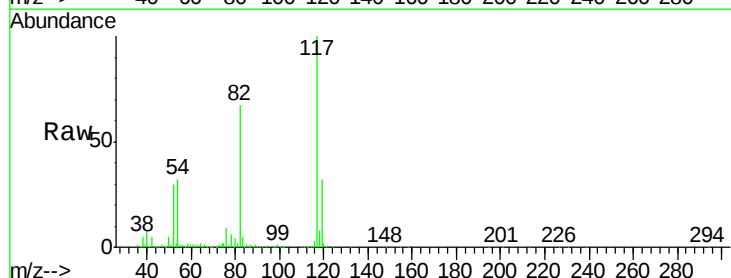
Tgt Ion: 117 Resp: 2857639

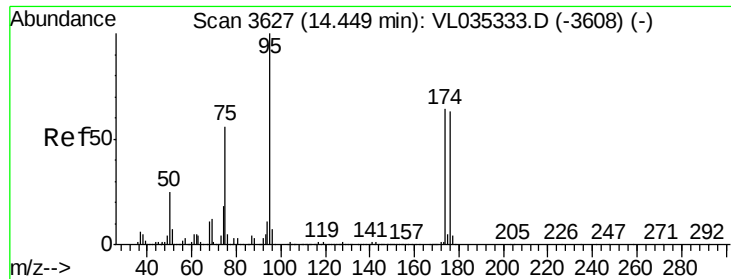
Ion Ratio Lower Upper

117 100

82 67.4 51.0 76.4

119 33.3 24.7 37.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.234 ppbv
 RT: 14.45 min Scan# 3627
 Delta R.T. -0.00 min
 Lab File: VL035374.D
 Acq: 10 Aug 2020 14:57

Instrument :
 MSVOA_L
 ClientSampleId :
 4-UNDER-GROUND

Tot Ion:	95	Resp:	2438857
Ion Ratio	Lower	Upper	
95	100		
174	66.8	53.5	80.3
175	5.0	4.2	6.2

Manual Integrations
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