

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061319\
 Data File : VL033913.D
 Acq On : 14 Jun 2019 1:28
 Operator : SY/AP
 Sample : K3357-03DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-3R-20190612-1DL

Manual Integrations
 APPROVED

MMDadoda
 6/17/2019 12:37:22 AM

Quant Time: Jun 14 07:55:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 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	1041053	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2284027	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.22	117	2242853	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.56	95	1659786	9.01	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	10402	0.227	ppbv	95
13) Ethanol	3.65	45	13129m	0.880	ppbv	
15) Acetone	3.89	43	2027720	13.355	ppbv	97
17) tert-Butyl alcohol	4.36	59	65343	0.551	ppbv	97
19) Isopropyl Alcohol	4.03	45	70104m	0.808	ppbv	
34) 2-Butanone	5.32	43	107911	0.837	ppbv	100

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

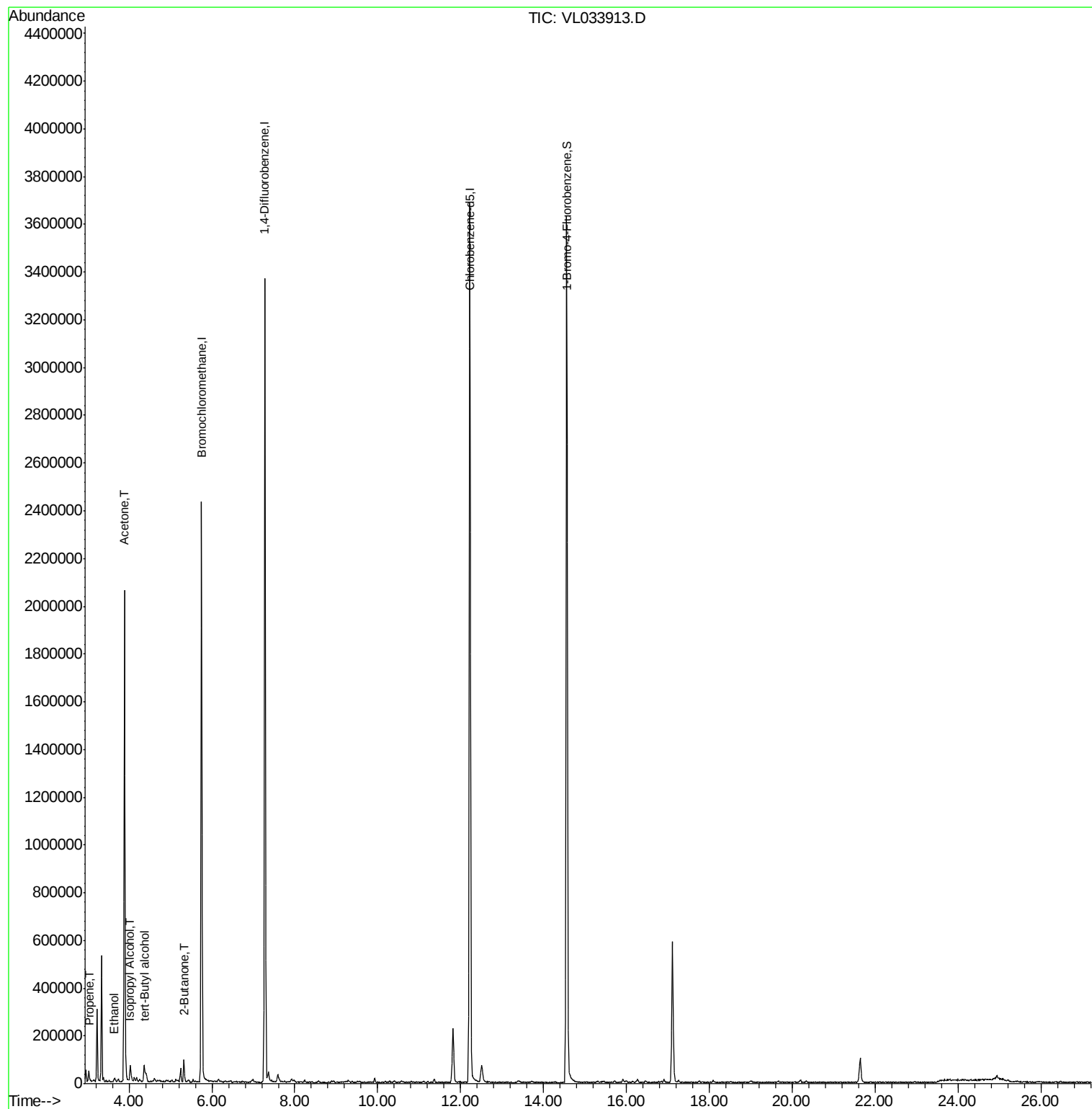
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL061319\
Data File : VL033913.D
Acq On : 14 Jun 2019 1:28
Operator : SY/AP
Sample : K3357-03DL 40X
Misc : 400ml/MSVOA L
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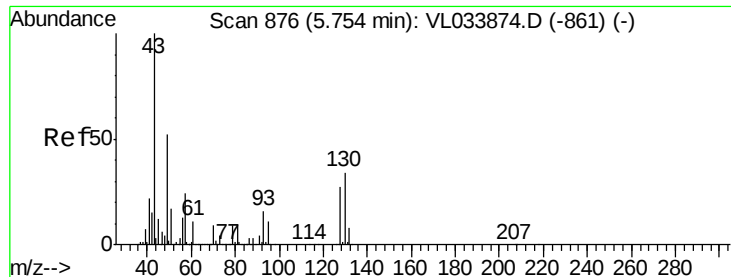
Instrument :
MSVOA_L
ClientSampleId :
SG-3R-20190612-1DL

Manual Integrations
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Quant Time: Jun 14 07:55:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun
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: VL033913.D

Acq: 14 Jun 2019 1:28

Instrument :

MSVOA_L

ClientSampleId :

SG-3R-20190612-1DL

Tot Ion: 49 Resp: 1041053

Ion Ratio Lower Upper

49 100

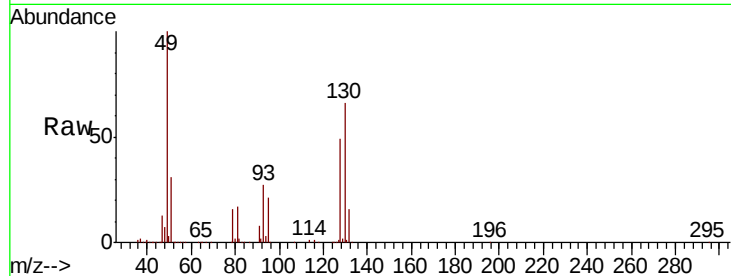
128 50.3 25.5 76.5

130 65.1 32.5 97.4

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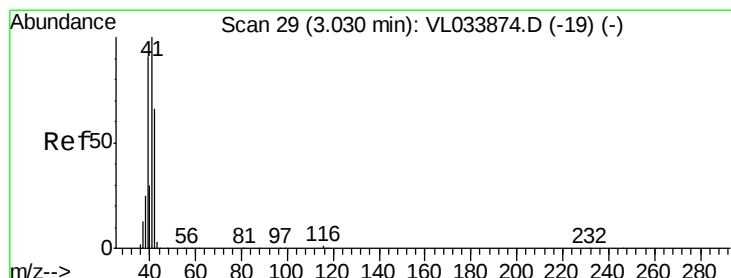
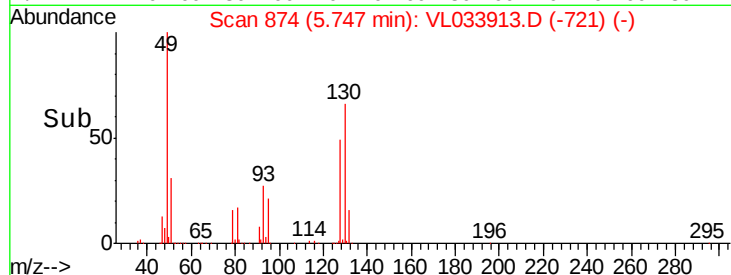
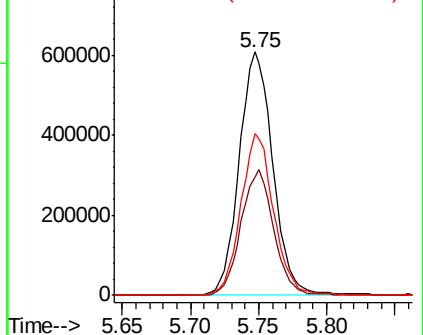
6/17/2019 12:37:22 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.227 ppbv

RT: 3.03 min Scan# 29

Delta R.T. -0.00 min

Lab File: VL033913.D

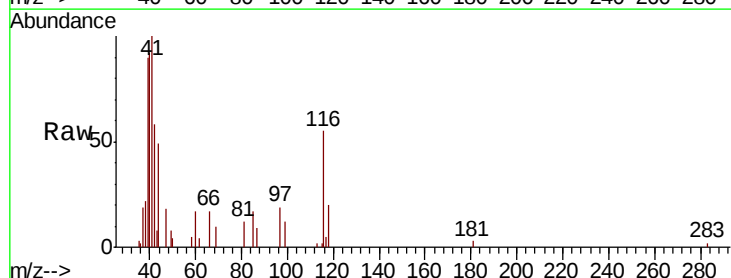
Acq: 14 Jun 2019 1:28

Tgt Ion: 41 Resp: 10402

Ion Ratio Lower Upper

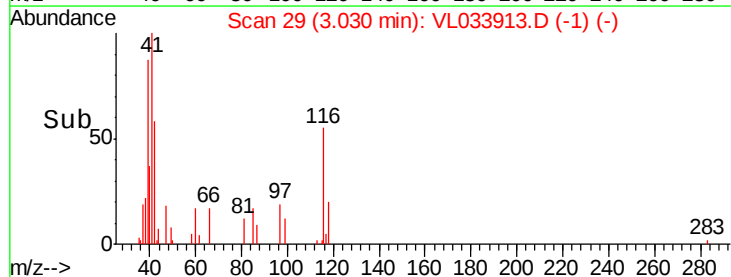
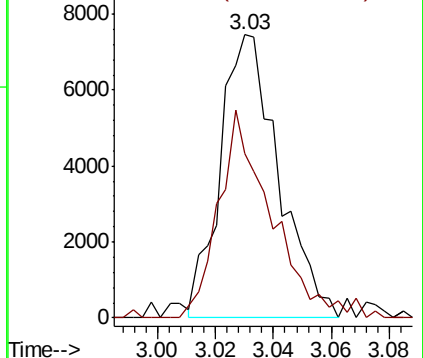
41 100

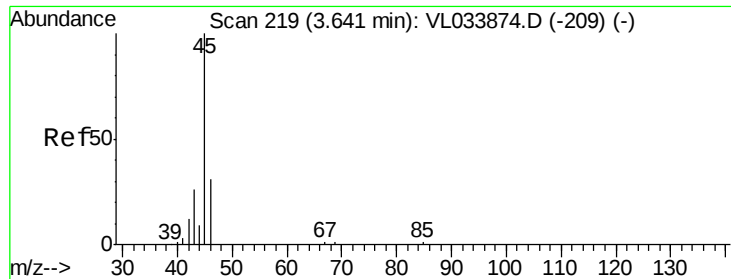
42 66.5 56.3 84.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





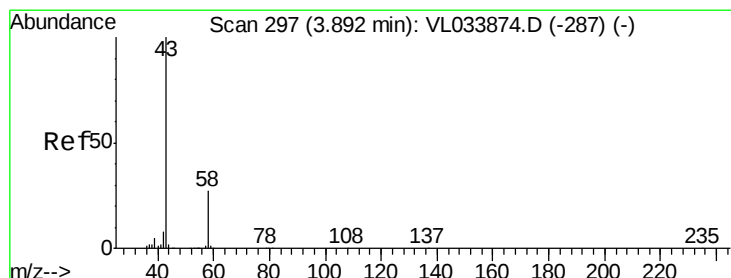
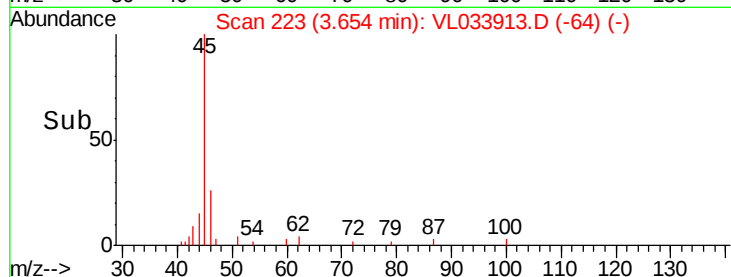
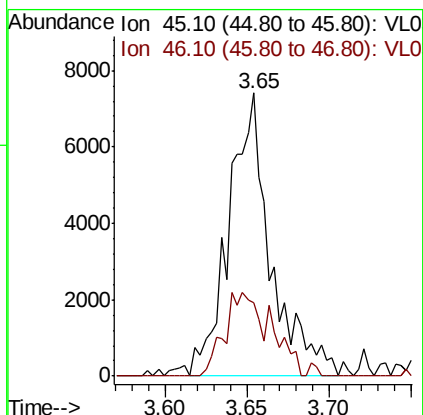
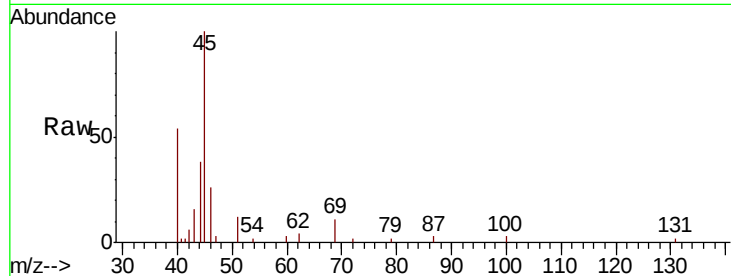
#13
Ethanol
Concen: 0.880 ppbv m
RT: 3.65 min Scan# 223
Delta R.T. 0.01 min
Lab File: VL033913.D
Acq: 14 Jun 2019 1:28

Instrument :
MSVOA_L
ClientSampleId :
SG-3R-20190612-1DL

Tot Ion: 45 Resp: 13129
Ion Ratio Lower Upper
45 100
46 33.4 15.3 61.1

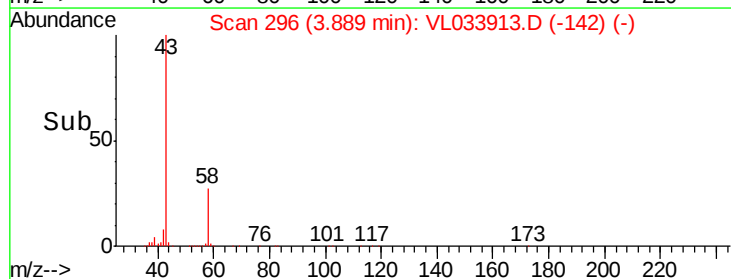
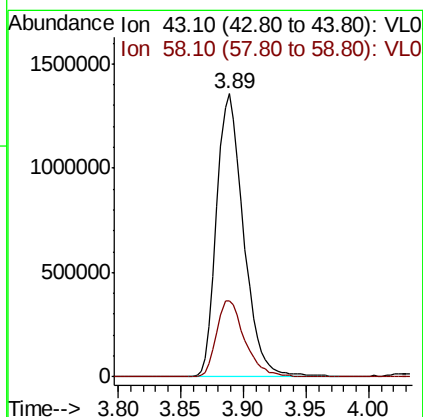
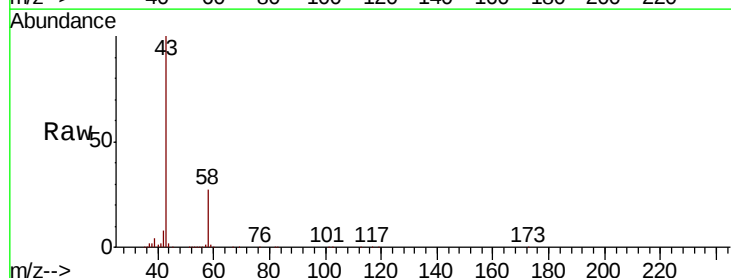
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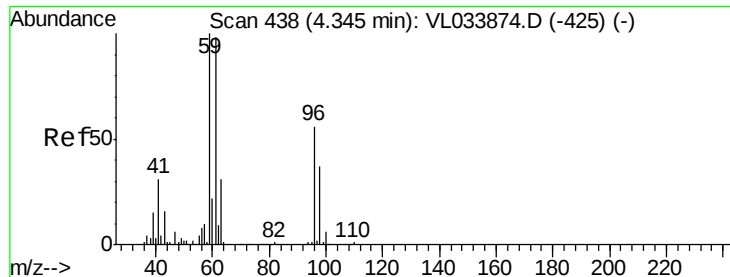
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#15
Acetone
Concen: 13.355 ppbv
RT: 3.89 min Scan# 296
Delta R.T. -0.00 min
Lab File: VL033913.D
Acq: 14 Jun 2019 1:28

Tgt Ion: 43 Resp: 2027720
Ion Ratio Lower Upper
43 100
58 28.4 21.3 31.9





#17

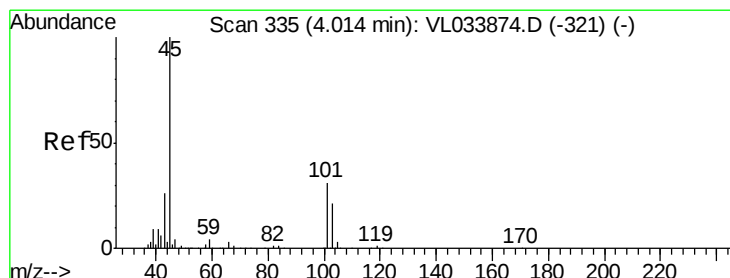
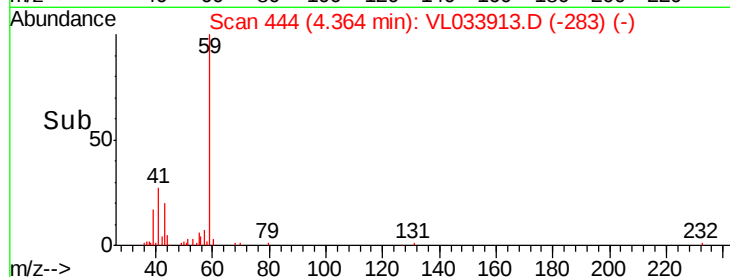
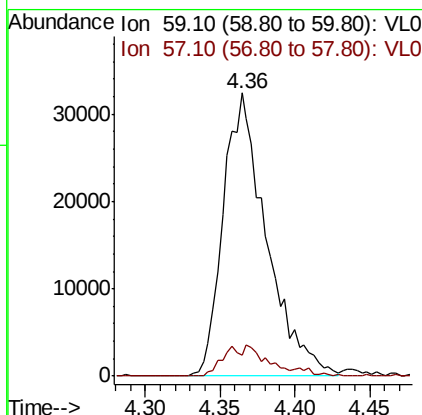
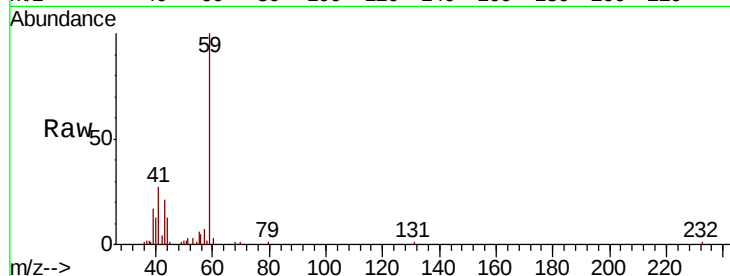
tert-Butyl alcohol
 Concen: 0.551 ppbv
 RT: 4.36 min Scan# 444
 Delta R.T. 0.02 min
 Lab File: VL033913.D
 Acq: 14 Jun 2019 1:28

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-3R-20190612-1DL

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.6	8.4	12.6

Manual Integrations
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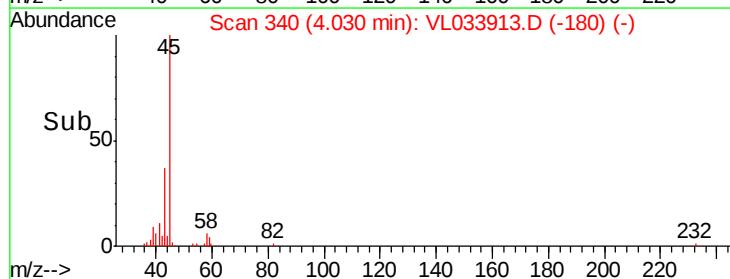
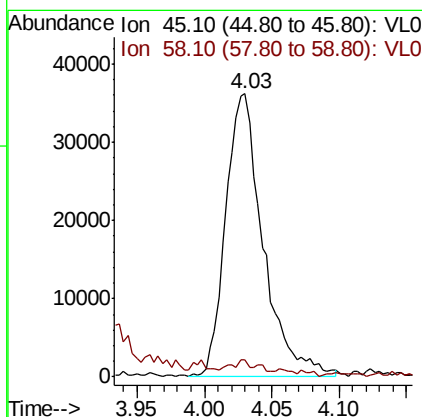
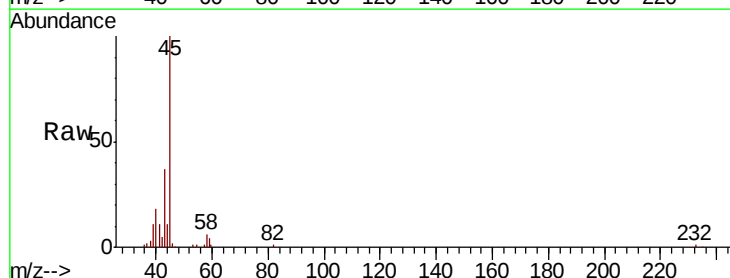
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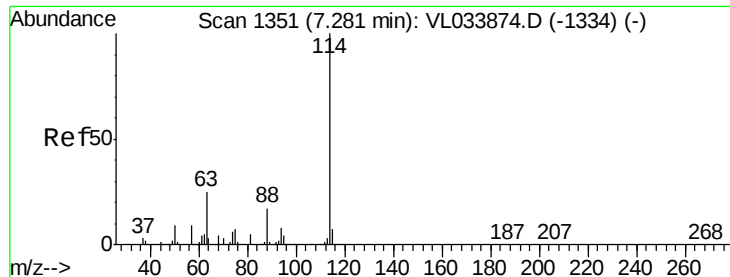


#19

Isopropyl Alcohol
 Concen: 0.808 ppbv m
 RT: 4.03 min Scan# 340
 Delta R.T. 0.02 min
 Lab File: VL033913.D
 Acq: 14 Jun 2019 1:28

Tgt Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.8	2.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.28 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VL033913.D

Acq: 14 Jun 2019 1:28

Instrument :

MSVOA_L

ClientSampleId :

SG-3R-20190612-1DL

Tot Ion:114 Resp: 2284027

Ion Ratio Lower Upper

114 100

63 26.3 21.1 31.7

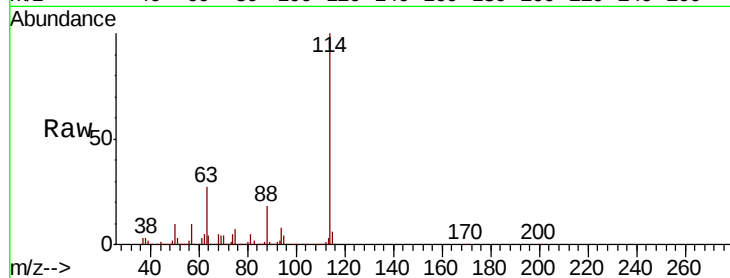
88 18.1 14.2 21.4

Manual Integrations

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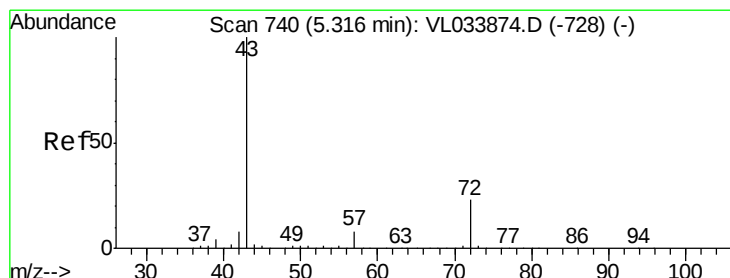
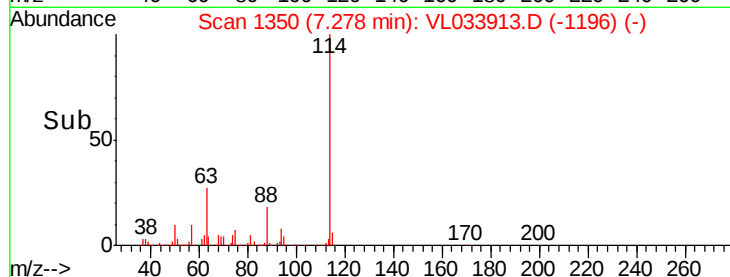
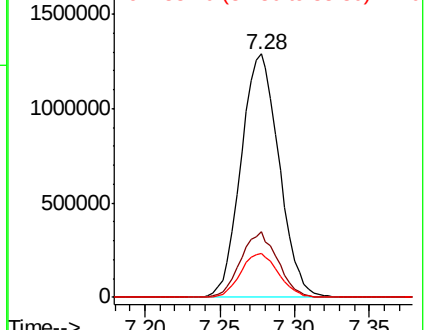
6/17/2019 12:37:22 AM



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 0.837 ppbv

RT: 5.32 min Scan# 742

Delta R.T. 0.01 min

Lab File: VL033913.D

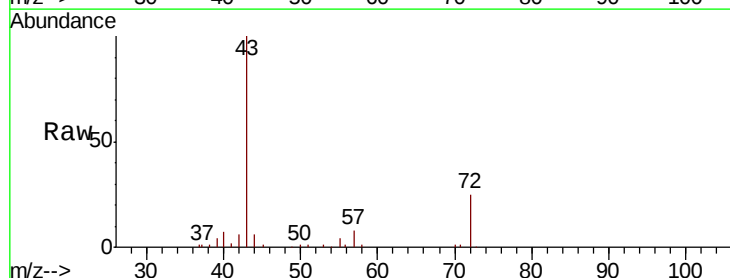
Acq: 14 Jun 2019 1:28

Tgt Ion: 43 Resp: 107911

Ion Ratio Lower Upper

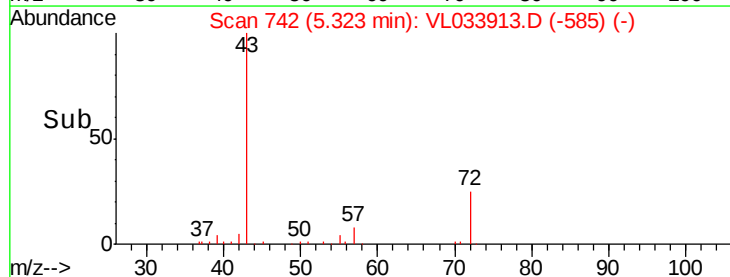
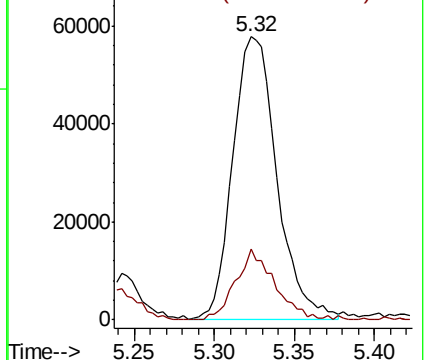
43 100

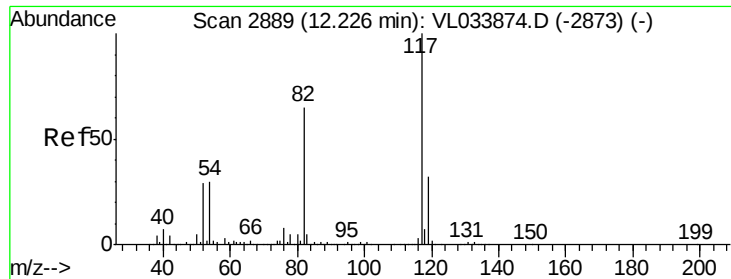
72 22.5 17.9 26.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





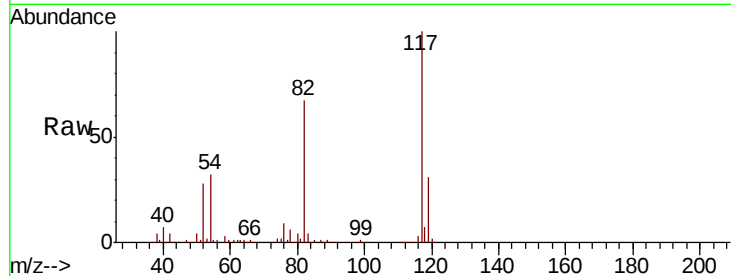
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.22 min Scan# 2887
Delta R.T. -0.01 min
Lab File: VL033913.D
Acq: 14 Jun 2019 1:28

Instrument :
MSVOA_L
ClientSampleId :
SG-3R-20190612-1DL

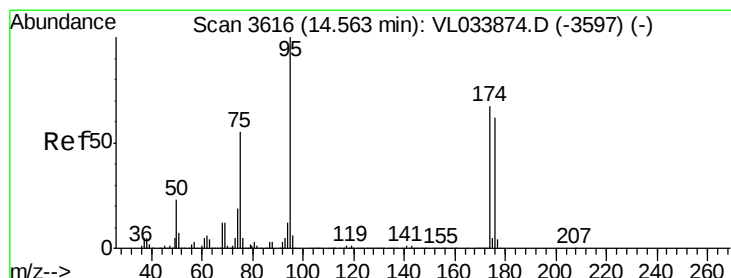
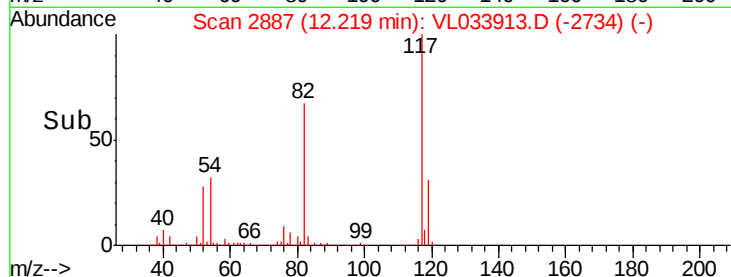
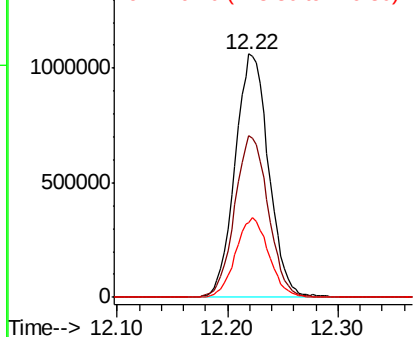
Tot Ion:117 Resp: 2242853
Ion Ratio Lower Upper
117 100
82 66.8 50.2 75.2
119 32.4 24.8 37.2

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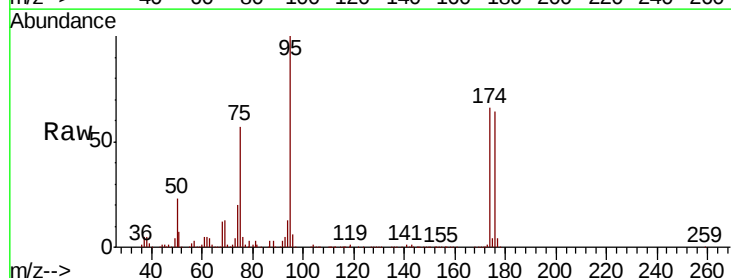


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.010 ppbv
RT: 14.56 min Scan# 3615
Delta R.T. -0.00 min
Lab File: VL033913.D
Acq: 14 Jun 2019 1:28

Tgt Ion: 95 Resp: 1659786
Ion Ratio Lower Upper
95 100
174 66.4 54.0 81.0
175 4.6 3.8 5.8



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

