

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
 Data File : VL032556.D
 Acq On : 27 Sep 2018 19:28
 Operator : SY/AP
 Sample : J5136-02DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 247DL

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 11:57:41 AM

Quant Time: Sep 28 10:24:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 28 10:24:51 2018
 QLast Update : Tue Sep 25 05:17:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1454112	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3159962	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3391292	10.00	ppbv	-0.03

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.61	95	2384172	9.32	ppbv	-0.03	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.03	51	215184	1.780	ppbv	98
9) Propene	3.05	41	16685	0.318	ppbv	93
13) Ethanol	3.68	45	19239m	1.220	ppbv	
15) Acetone	3.93	43	174355	1.366	ppbv #	77
34) 2-Butanone	5.36	43	376764	2.002	ppbv	100

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

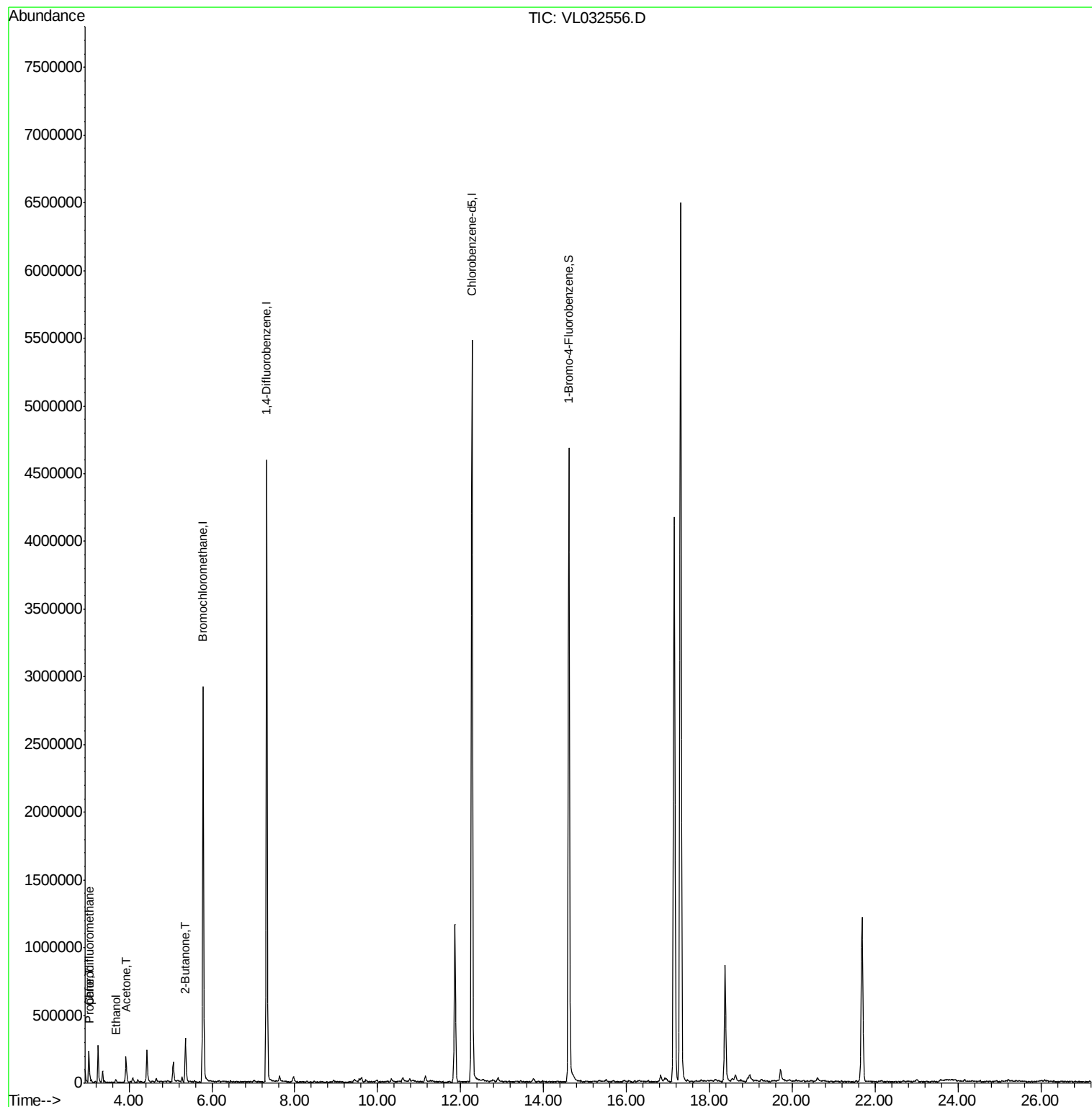
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
Data File : VL032556.D
Acq On : 27 Sep 2018 19:28
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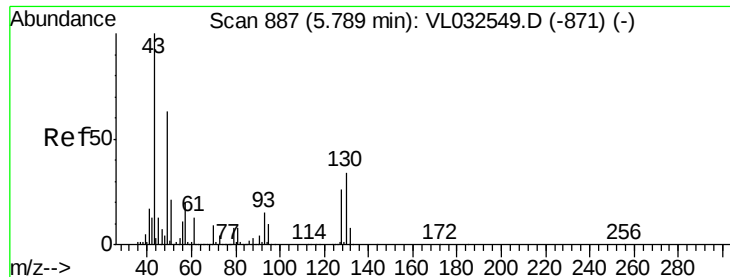
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QLast Update : Tue Sep 25 05:17:15 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 886

Delta R.T. -0.02 min

Lab File: VL032556.D

Acq: 27 Sep 2018 19:28

Instrument :

MSVOA_L

ClientSampleId :

247DL

Tgt Ion: 49 Resp: 1454112

Ion Ratio Lower Upper

49 100

128 43.2 20.7 62.1

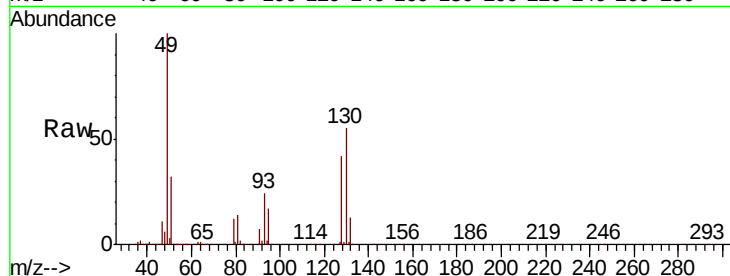
130 55.3 26.6 79.7

Manual Integrations

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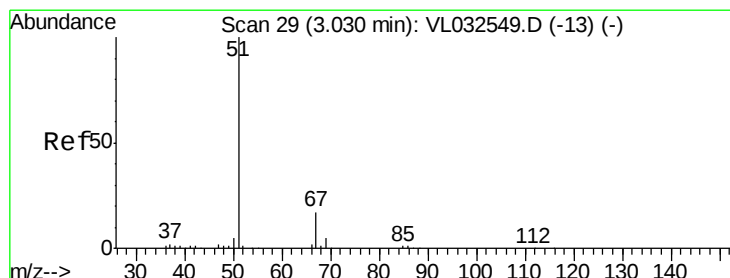
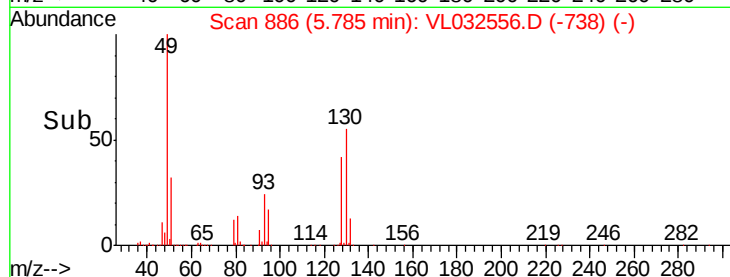
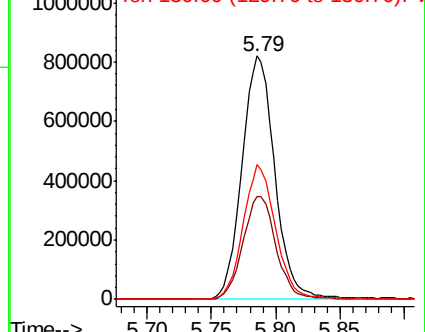
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#3

Chlorodifluoromethane

Concen: 1.780 ppbv

RT: 3.03 min Scan# 30

Delta R.T. -0.01 min

Lab File: VL032556.D

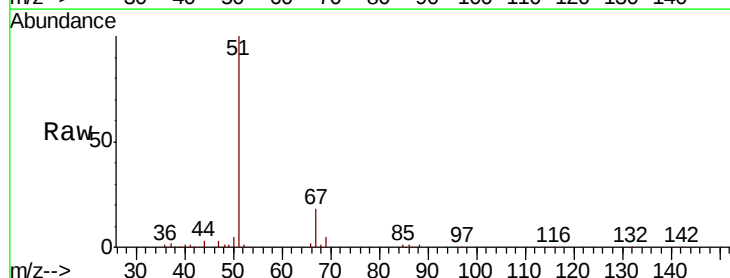
Acq: 27 Sep 2018 19:28

Tgt Ion: 51 Resp: 215184

Ion Ratio Lower Upper

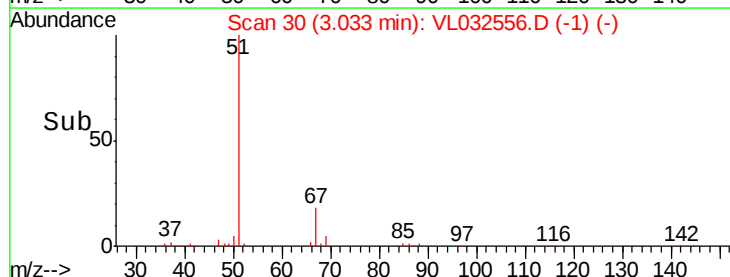
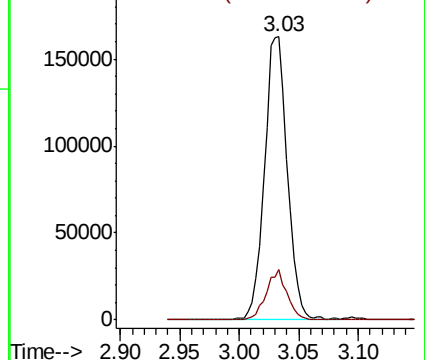
51 100

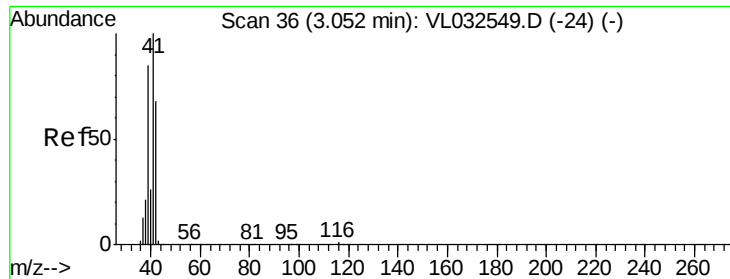
67 16.2 13.8 20.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.318 ppbv

RT: 3.05 min Scan# 36

Delta R.T. -0.01 min

Lab File: VL032556.D

Acq: 27 Sep 2018 19:28

Instrument :

MSVOA_L

ClientSampleId :

247DL

Tgt Ion: 41 Resp: 16685

Ion Ratio Lower Upper

41 100

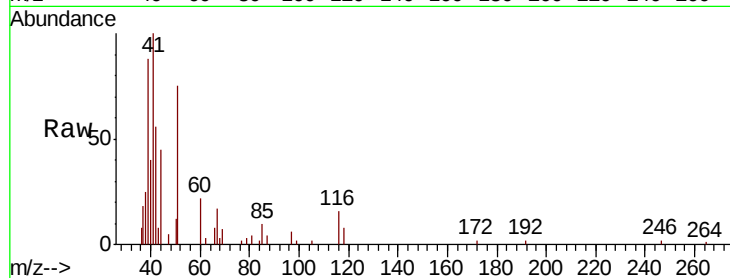
42 65.3 56.6 84.8

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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

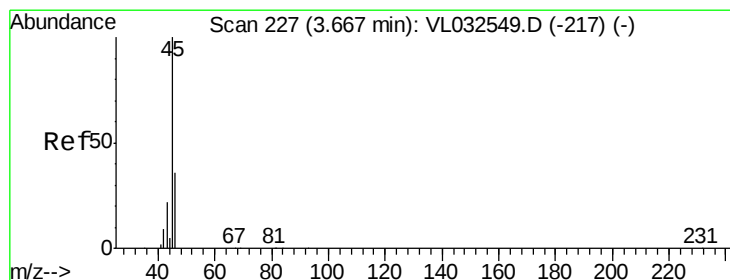
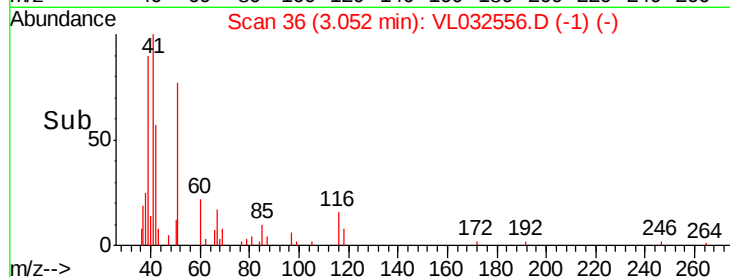
3.05

10000

5000

0

Time--> 3.00 3.05 3.10



#13

Ethanol

Concen: 1.220 ppbv m

RT: 3.68 min Scan# 231

Delta R.T. -0.01 min

Lab File: VL032556.D

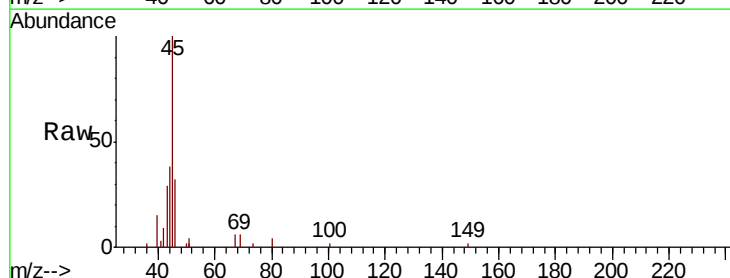
Acq: 27 Sep 2018 19:28

Tgt Ion: 45 Resp: 19239

Ion Ratio Lower Upper

45 100

46 38.9 14.2 56.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

12000

10000

8000

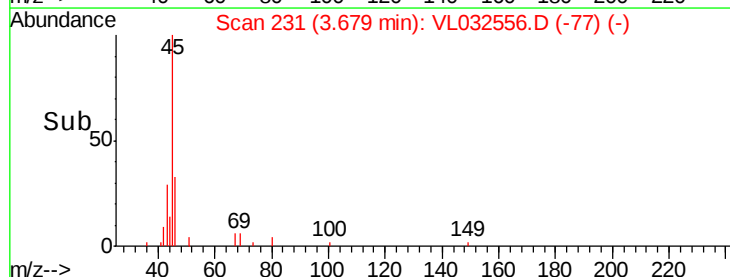
6000

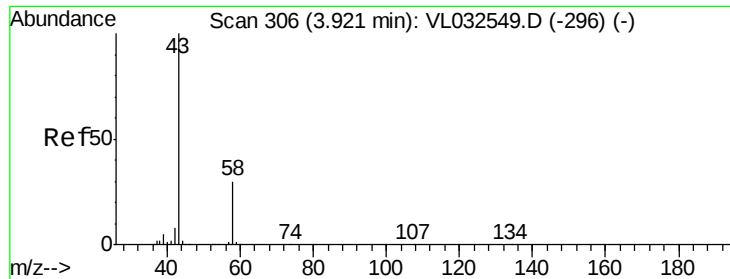
4000

2000

0

Time--> 3.65 3.70





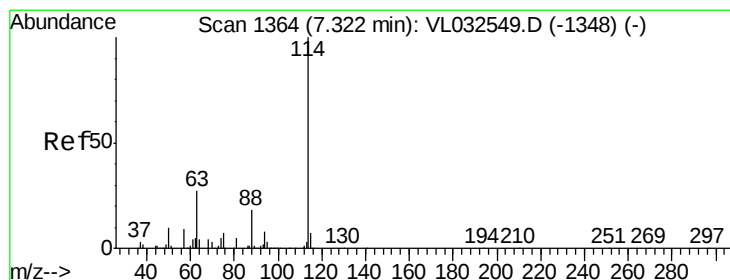
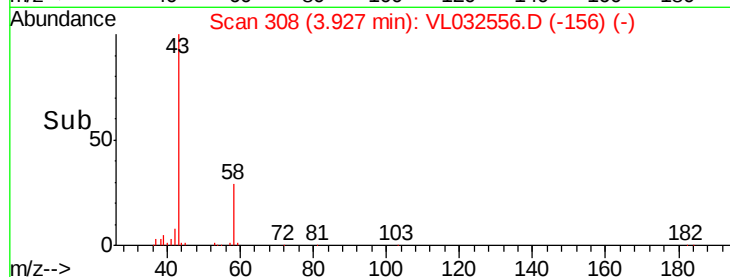
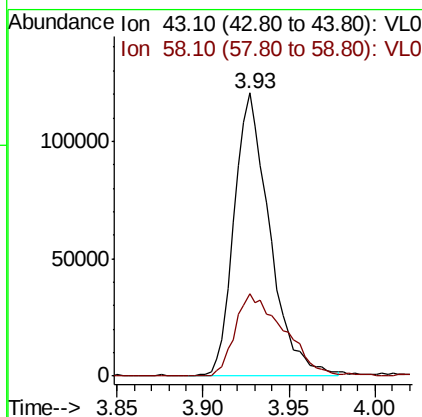
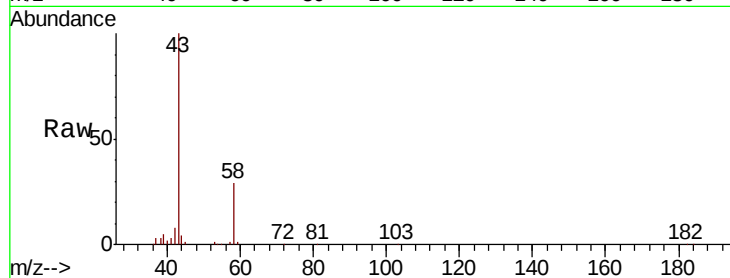
#15
Acetone
Concen: 1.366 ppbv
RT: 3.93 min Scan# 308
Delta R.T. -0.01 min
Lab File: VL032556.D
Acq: 27 Sep 2018 19:28

Instrument :
MSVOA_L
ClientSampled :
247DL

Tgt Ion: 43 Resp: 174355
Ion Ratio Lower Upper
43 100
58 40.5 22.6 33.8#

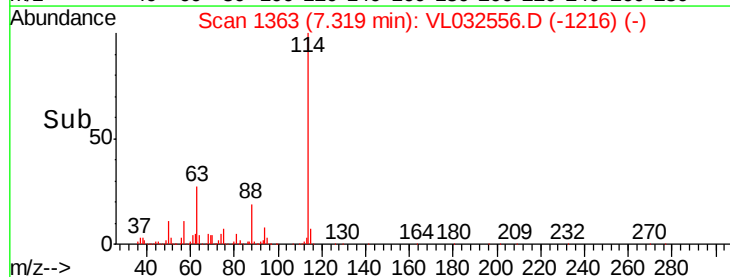
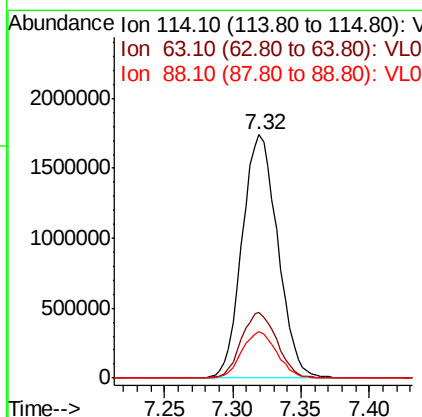
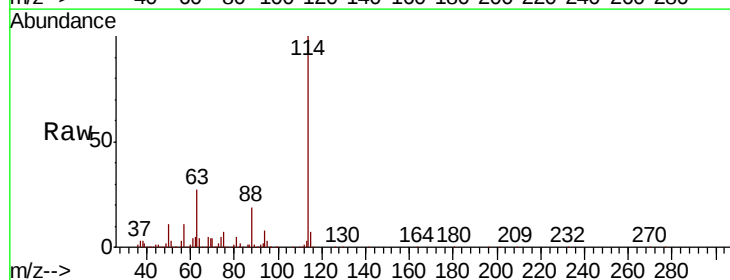
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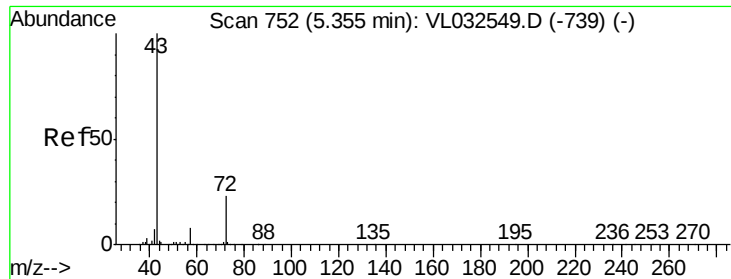
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.32 min Scan# 1363
Delta R.T. -0.03 min
Lab File: VL032556.D
Acq: 27 Sep 2018 19:28

Tgt Ion: 114 Resp: 3159962
Ion Ratio Lower Upper
114 100
63 27.0 22.2 33.4
88 18.8 15.0 22.4





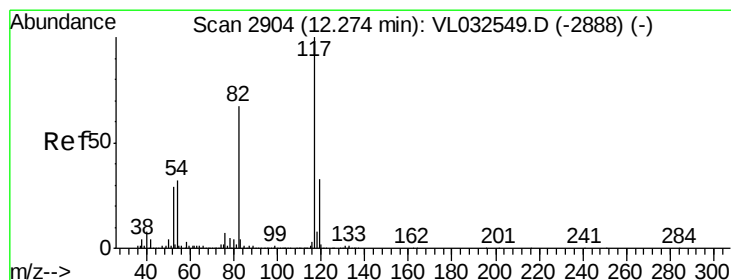
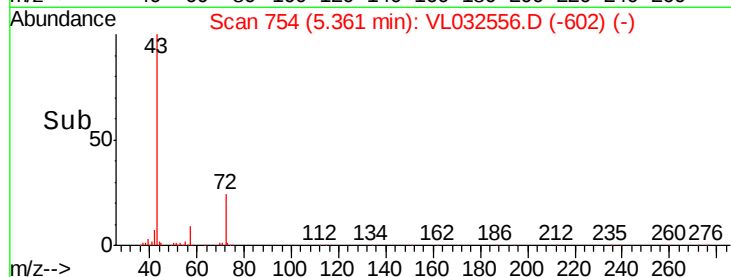
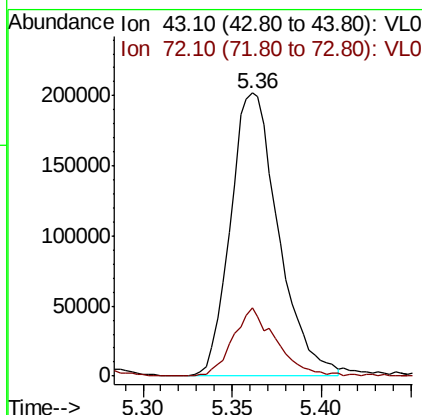
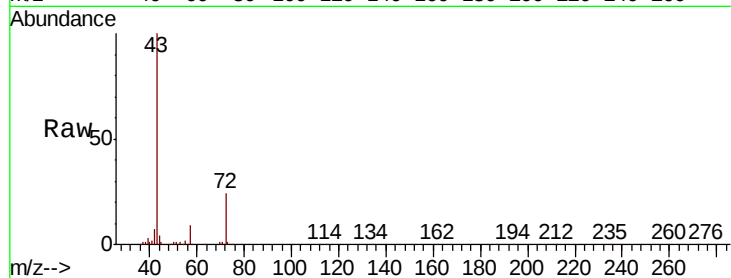
#34
2-Butanone
Concen: 2.002 ppbv
RT: 5.36 min Scan# 754
Delta R.T. -0.01 min
Lab File: VL032556.D
Acq: 27 Sep 2018 19:28

Instrument :
MSVOA_L
ClientSampleId :
247DL

Tgt Ion: 43 Resp: 376764
Ion Ratio Lower Upper
43 100
72 22.2 17.8 26.6

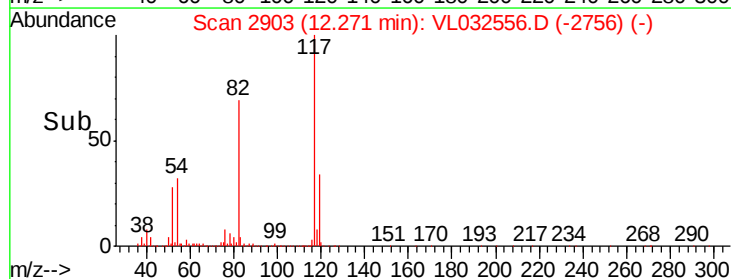
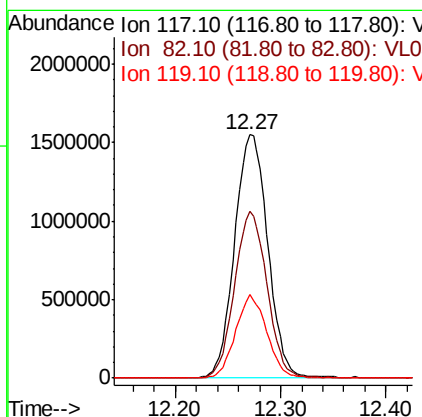
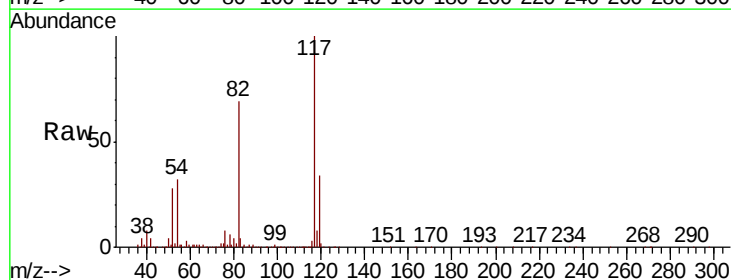
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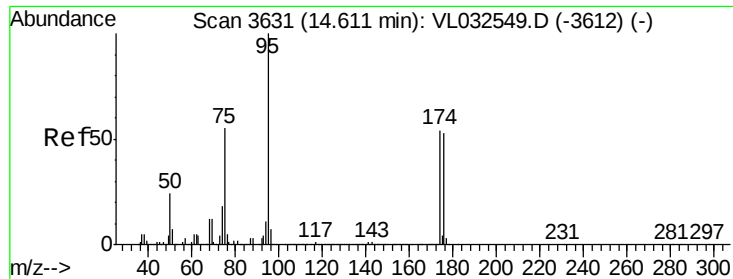
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2903
Delta R.T. -0.03 min
Lab File: VL032556.D
Acq: 27 Sep 2018 19:28

Tgt Ion: 117 Resp: 3391292
Ion Ratio Lower Upper
117 100
82 67.7 53.0 79.6
119 32.6 45.9 68.9#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.323 ppbv

RT: 14.61 min Scan# 3630

Delta R.T. -0.03 min

Lab File: VL032556.D

Acq: 27 Sep 2018 19:28

Instrument :

MSVOA_L

ClientSampleId :

247DL

Tgt Ion: 95 Resp: 2384172

Ion Ratio Lower Upper

95 100

174 57.4 46.3 69.5

175 4.0 3.4 5.0

Manual Integrations

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