

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
 Data File : VL032558.D
 Acq On : 27 Sep 2018 20:48
 Operator : SY/AP
 Sample : J5136-03DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 249DL

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 11:57:43 AM

Quant Time: Sep 28 10:26:43 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 10:26:43 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	1441031	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3085160	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3153054	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.61	95	2331868	9.81	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.03	51	230732	1.925	ppbv	100
9) Propene	3.06	41	22491	0.433	ppbv	99
13) Ethanol	3.68	45	24175m	1.547	ppbv	
15) Acetone	3.93	43	183449	1.450	ppbv #	78
26) Hexane	5.81	57	32281	0.233	ppbv #	38
34) 2-Butanone	5.36	43	532236	2.897	ppbv	100

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

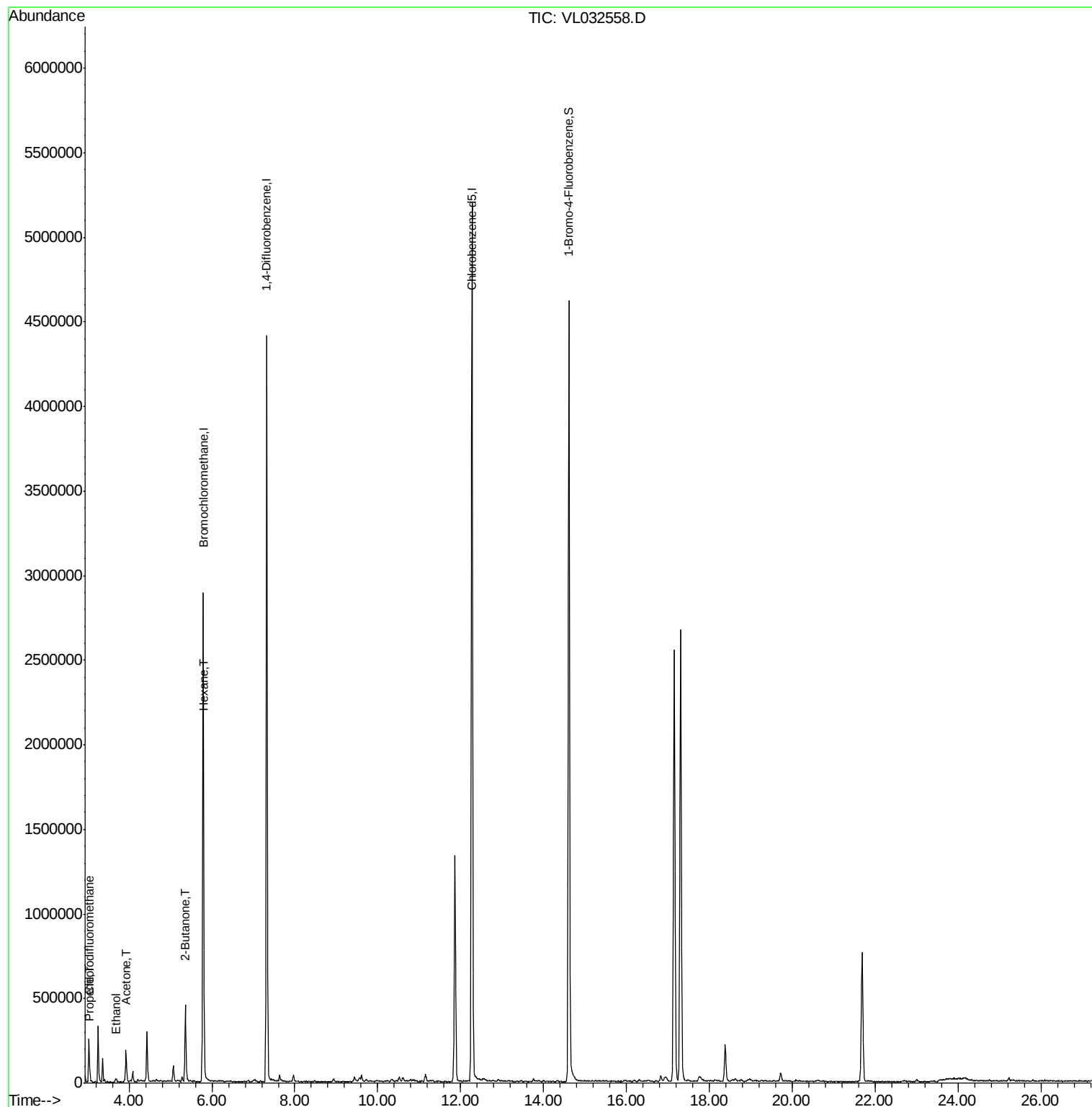
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
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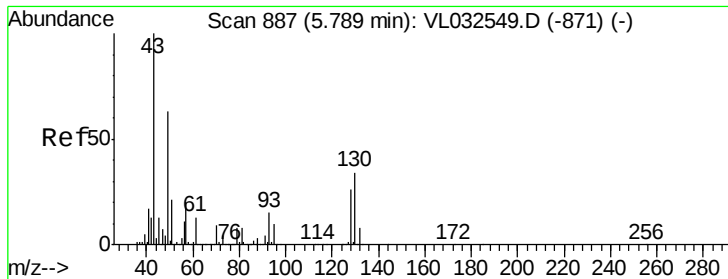
Instrument :
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#1

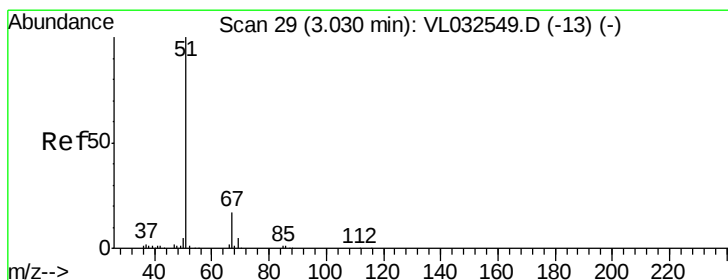
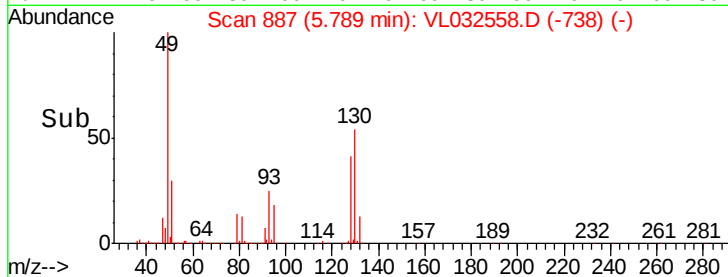
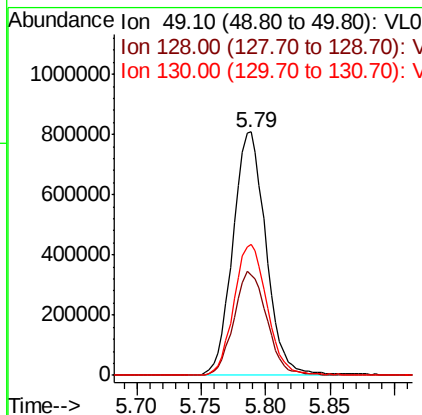
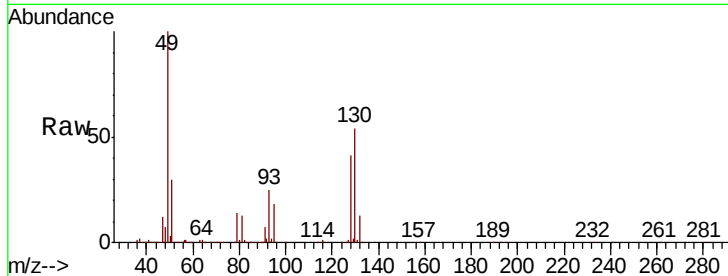
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.79 min Scan# 887
 Delta R.T. -0.02 min
 Lab File: VL032558.D
 Acq: 27 Sep 2018 20:48

Instrument :
 MSVOA_L
 ClientSampleId :
 249DL

Tgt Ion: 49 Resp: 1441031
 Ion Ratio Lower Upper
 49 100
 128 42.9 20.7 62.1
 130 54.7 26.6 79.7

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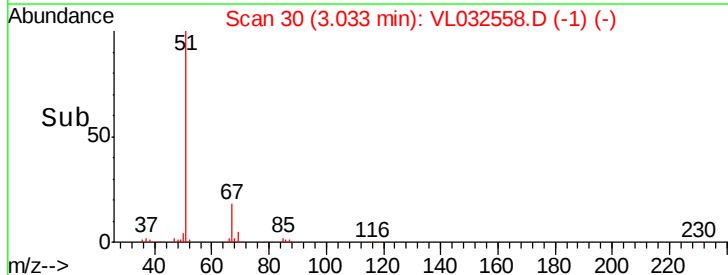
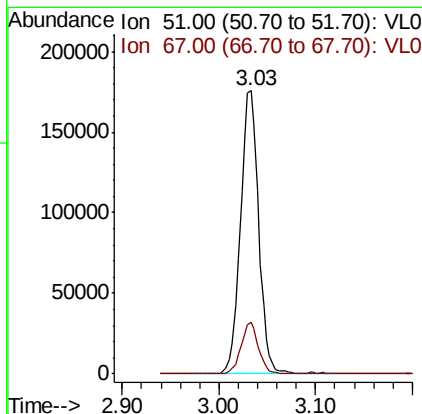
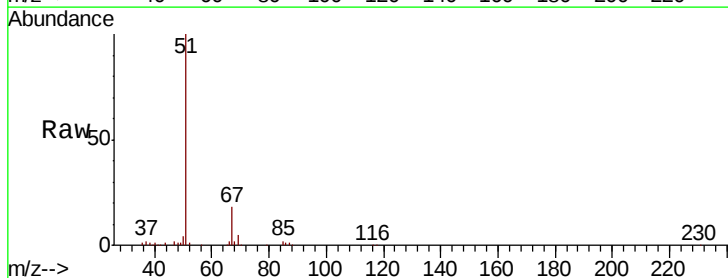
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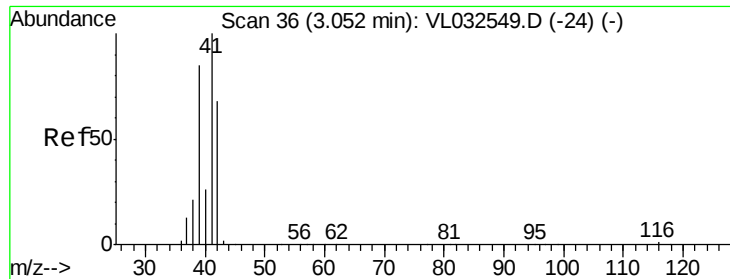


#3

Chlorodifluoromethane
 Concen: 1.925 ppbv
 RT: 3.03 min Scan# 30
 Delta R.T. -0.01 min
 Lab File: VL032558.D
 Acq: 27 Sep 2018 20:48

Tgt Ion: 51 Resp: 230732
 Ion Ratio Lower Upper
 51 100
 67 17.4 13.8 20.8





#9

Propene

Concen: 0.433 ppbv

RT: 3.06 min Scan# 37

Delta R.T. -0.01 min

Lab File: VL032558.D

Acq: 27 Sep 2018 20:48

Instrument :

MSVOA_L

ClientSampleId :

249DL

Tgt Ion: 41 Resp: 22491

Ion Ratio Lower Upper

41 100

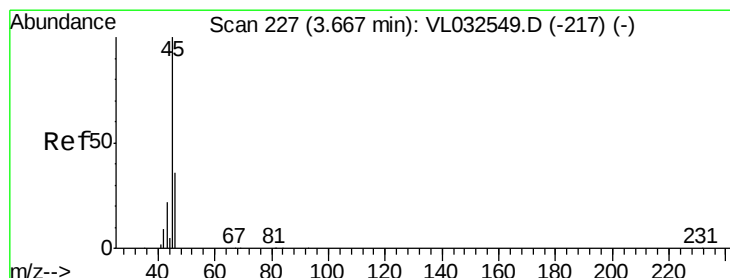
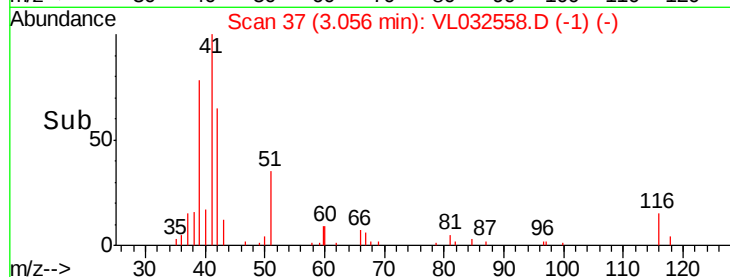
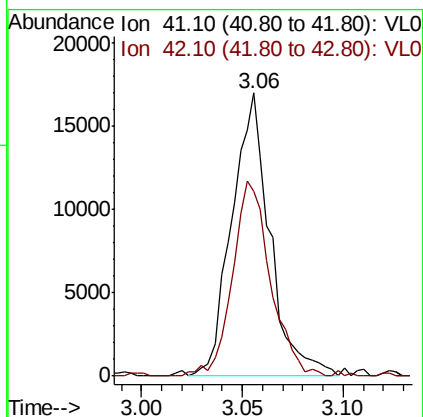
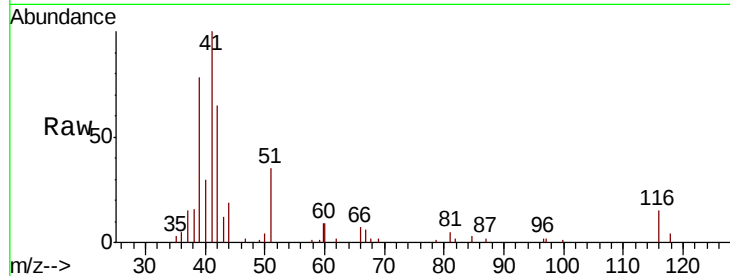
42 69.9 56.6 84.8

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#13

Ethanol

Concen: 1.547 ppbv m

RT: 3.68 min Scan# 230

Delta R.T. -0.01 min

Lab File: VL032558.D

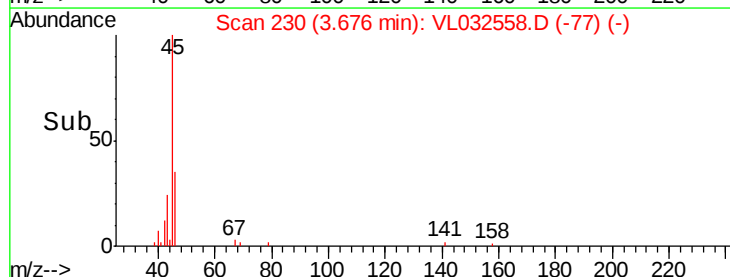
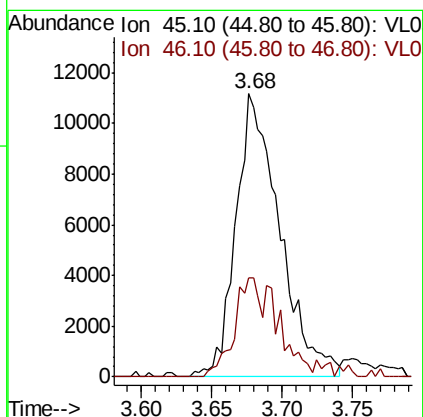
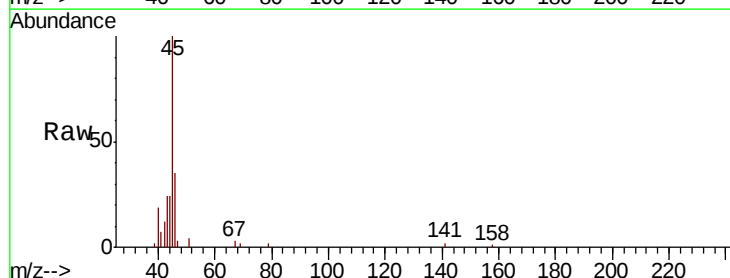
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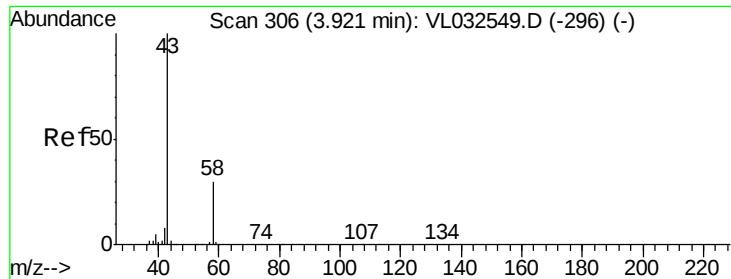
Tgt Ion: 45 Resp: 24175

Ion Ratio Lower Upper

45 100

46 36.8 14.2 56.8





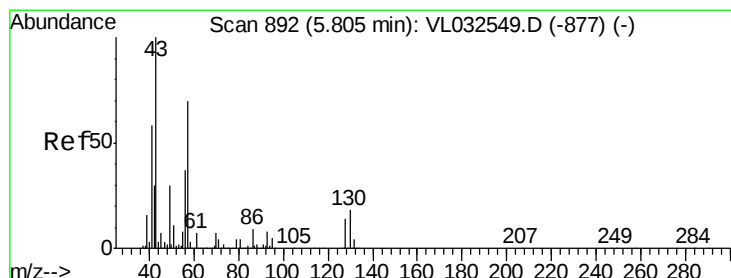
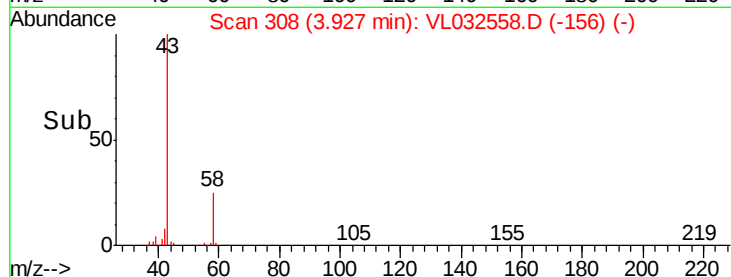
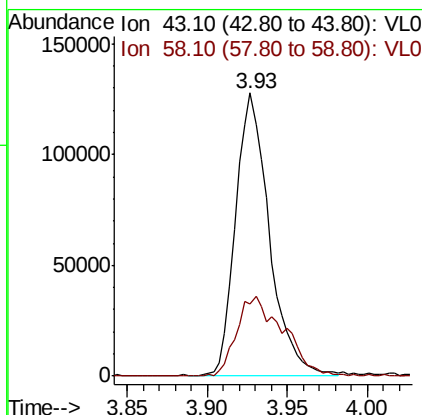
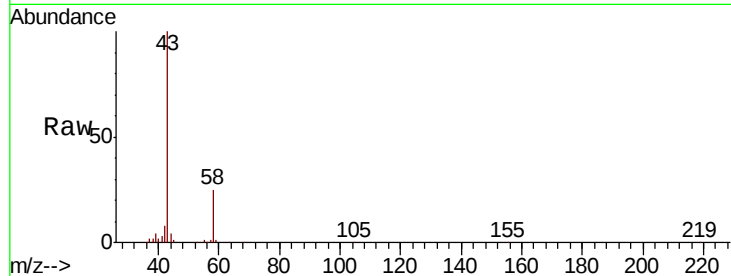
#15
Acetone
Concen: 1.450 ppbv
RT: 3.93 min Scan# 308
Delta R.T. -0.01 min
Lab File: VL032558.D
Acq: 27 Sep 2018 20:48

Instrument :
MSVOA_L
ClientSampled :
249DL

Tgt Ion: 43 Resp: 183449
Ion Ratio Lower Upper
43 100
58 39.7 22.6 33.8#

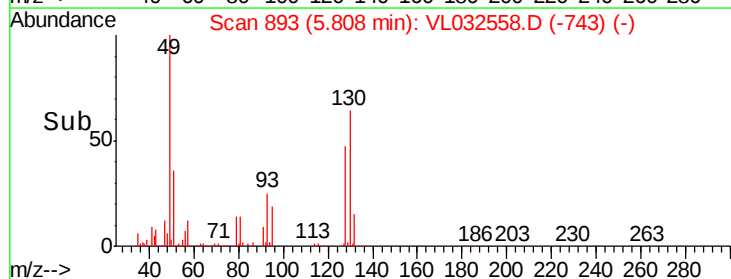
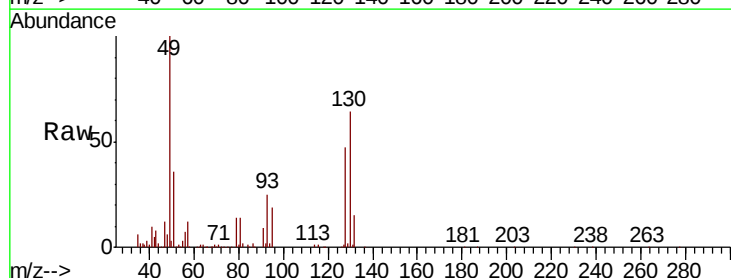
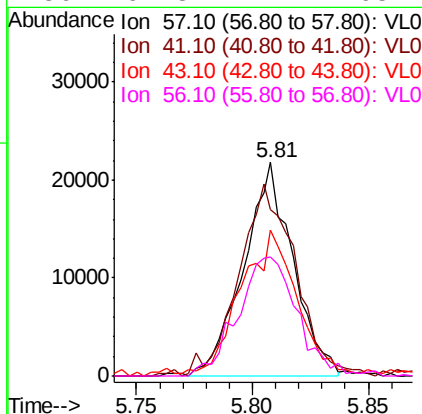
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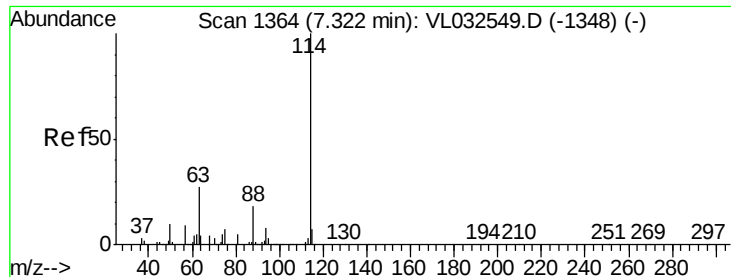
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#26
Hexane
Concen: 0.233 ppbv
RT: 5.81 min Scan# 893
Delta R.T. -0.02 min
Lab File: VL032558.D
Acq: 27 Sep 2018 20:48

Tgt Ion: 57 Resp: 32281
Ion Ratio Lower Upper
57 100
41 105.1 69.0 103.4#
43 73.4 172.1 258.1#
56 67.8 42.2 63.2#





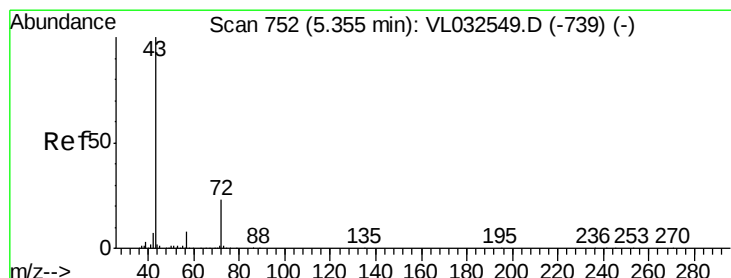
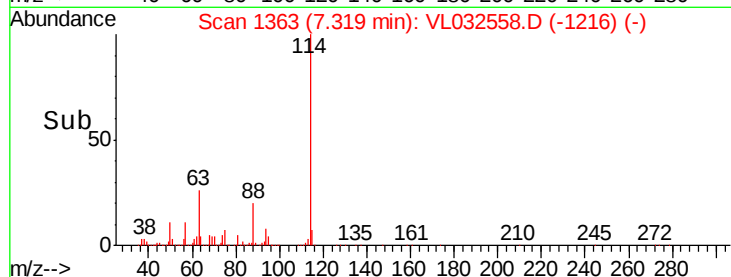
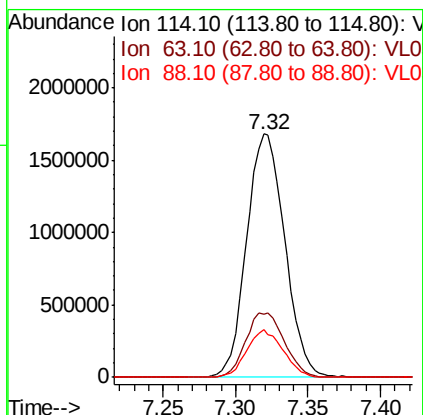
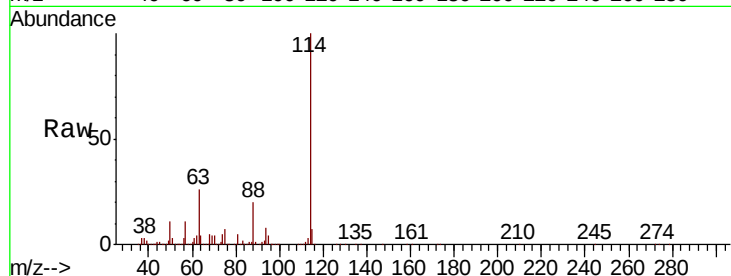
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.32 min Scan# 1363
 Delta R.T. -0.03 min
 Lab File: VL032558.D
 Acq: 27 Sep 2018 20:48

Instrument :
 MSVOA_L
 ClientSampleID :
 249DL

Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.0	22.2	33.4
88	18.6	15.0	22.4

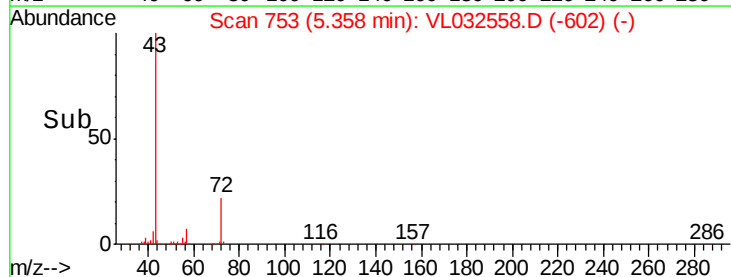
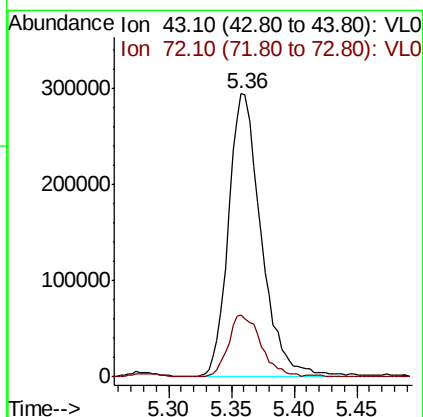
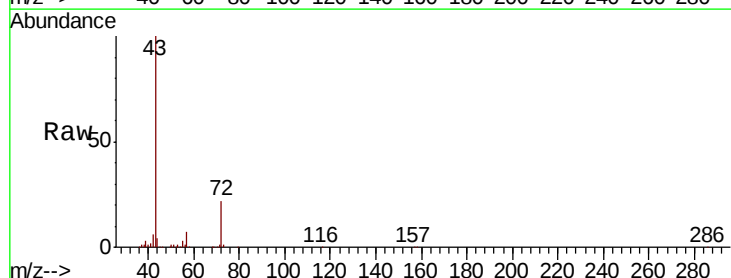
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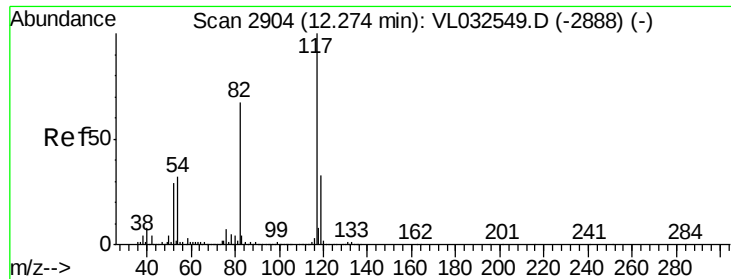
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#34
 2-Butanone
 Concen: 2.897 ppbv
 RT: 5.36 min Scan# 753
 Delta R.T. -0.01 min
 Lab File: VL032558.D
 Acq: 27 Sep 2018 20:48

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.4	17.8	26.6





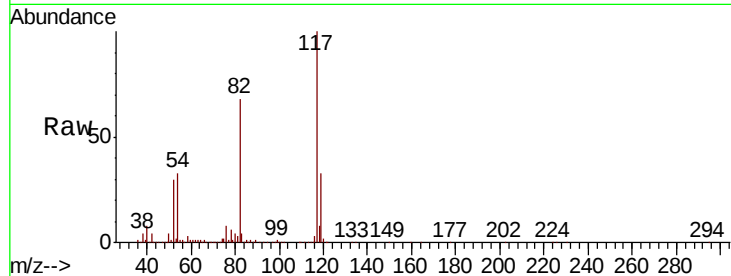
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.02 min
Lab File: VL032558.D
Acq: 27 Sep 2018 20:48

Instrument :
MSVOA_L
ClientSampled :
249DL

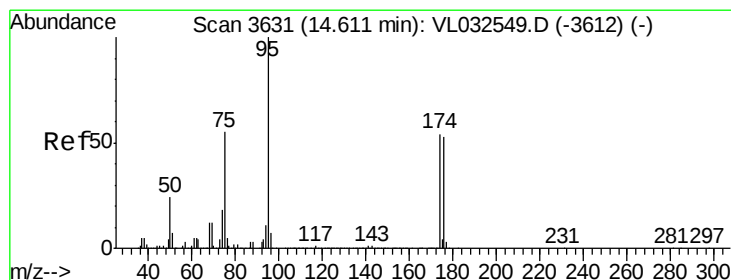
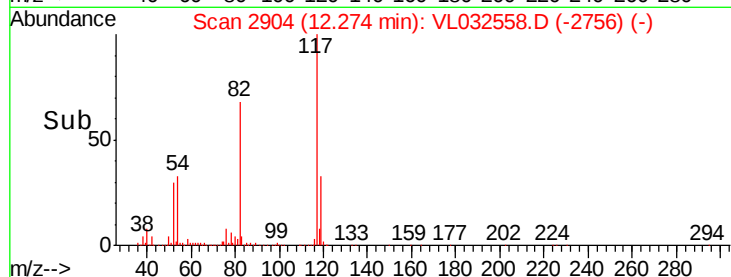
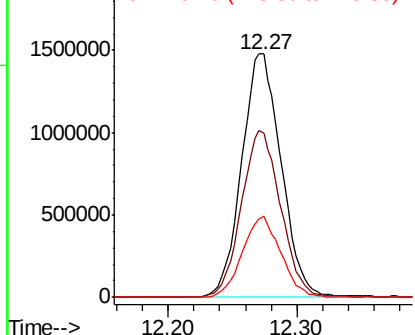
Tgt Ion: 117 Resp: 3153054
Ion Ratio Lower Upper
117 100
82 68.6 53.0 79.6
119 32.5 45.9 68.9#

Manual Integrations
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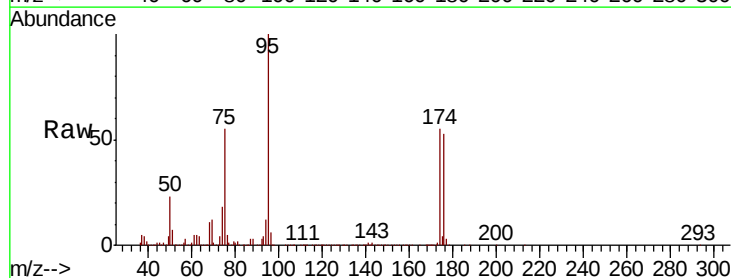


Abundance Ion 117.10 (116.80 to 117.80): V
2000000 Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.807 ppbv
RT: 14.61 min Scan# 3630
Delta R.T. -0.03 min
Lab File: VL032558.D
Acq: 27 Sep 2018 20:48

Tgt Ion: 95 Resp: 2331868
Ion Ratio Lower Upper
95 100
174 57.8 46.3 69.5
175 4.3 3.4 5.0



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

