

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
 Data File : VL032563.D
 Acq On : 28 Sep 2018 00:06
 Operator : SY/AP
 Sample : J5094-01DUP
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1DUP

Manual Integrations
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 10/1/2018 11:57:46 AM

Quant Time: Sep 28 04:24:18 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 04:24:18 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	1279700	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	2847854	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3023604	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.61	95	2118017	9.29	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.09	85	59441	0.502	ppbv	98
3) Chlorodifluoromethane	3.03	51	181724	1.708	ppbv	100
4) Chloromethane	3.19	50	28666	0.462	ppbv #	88
9) Propene	3.06	41	16357	0.354	ppbv	86
11) Trichlorofluoromethane	4.03	101	37944	0.270	ppbv	85
13) Ethanol	3.67	45	121335m	8.742	ppbv	
15) Acetone	3.92	43	661972	5.893	ppbv	100
20) Methylene Chloride	4.43	84	230079	4.230	ppbv	98
26) Hexane	5.80	57	228407	1.855	ppbv #	44
34) 2-Butanone	5.36	43	25585m	0.151	ppbv	
35) Carbon Tetrachloride	7.16	117	15546	0.079	ppbv	96
36) Benzene	7.03	78	34417	0.150	ppbv #	89
53) Toluene	9.98	91	577200	2.058	ppbv	99

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

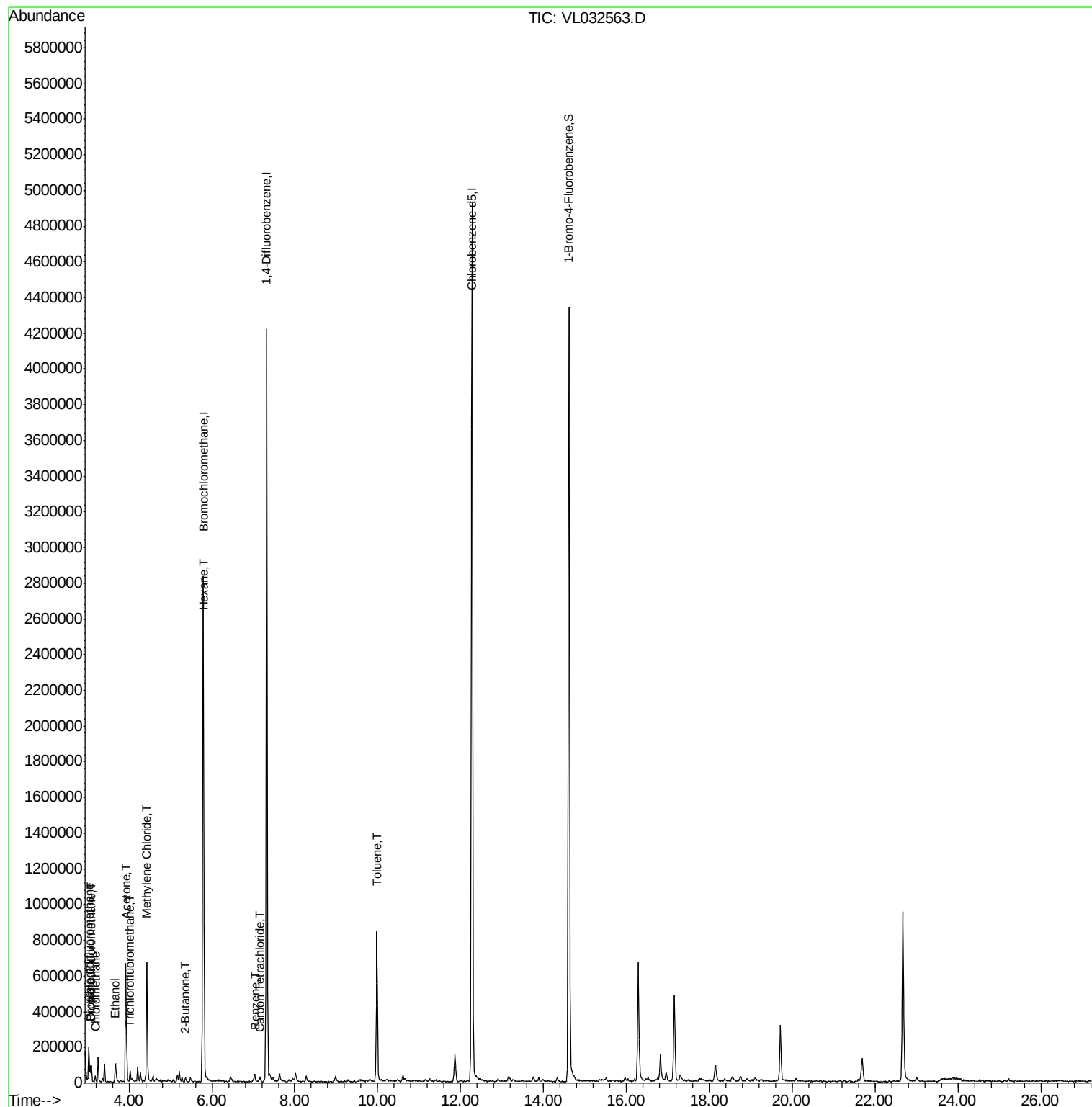
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
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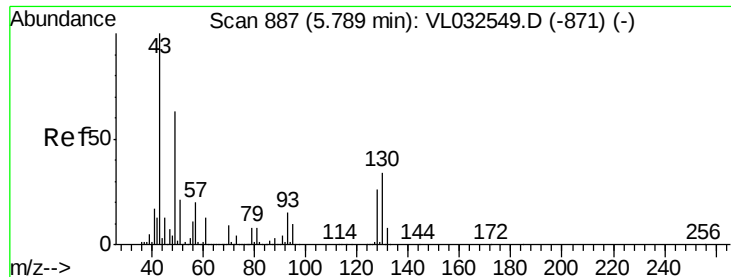
Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP

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Quant Time: Sep 28 04:24:18 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep
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: VL032563.D

Acq: 28 Sep 2018 00:06

Instrument :

MSVOA_L

ClientSampled :

AA-1DUP

Tgt Ion: 49 Resp: 1279700

Ion Ratio Lower Upper

49 100

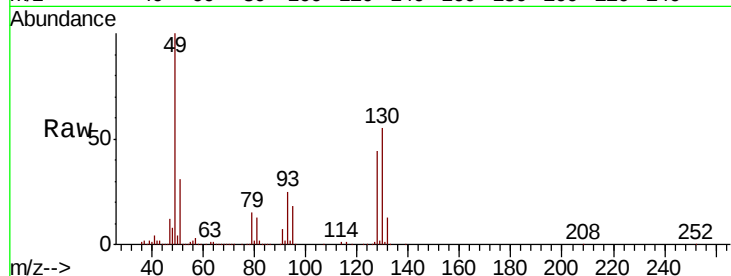
128 44.6 20.7 62.1

130 56.2 26.6 79.7

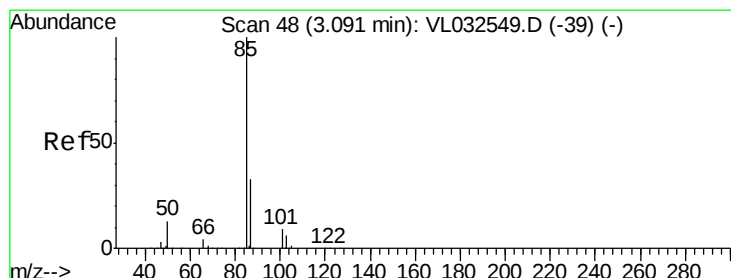
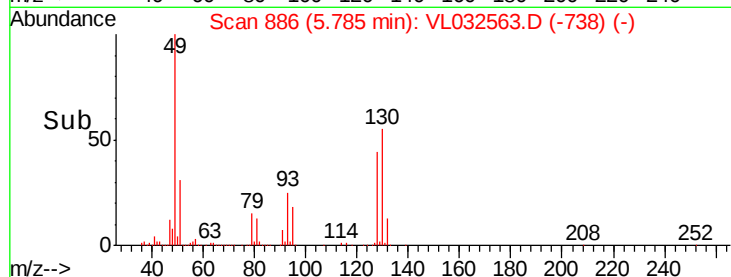
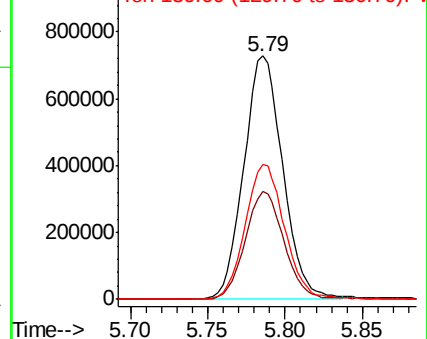
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Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.502 ppbv

RT: 3.09 min Scan# 49

Delta R.T. -0.02 min

Lab File: VL032563.D

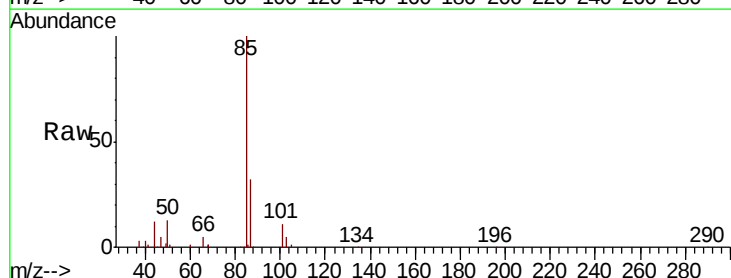
Acq: 28 Sep 2018 00:06

Tgt Ion: 85 Resp: 59441

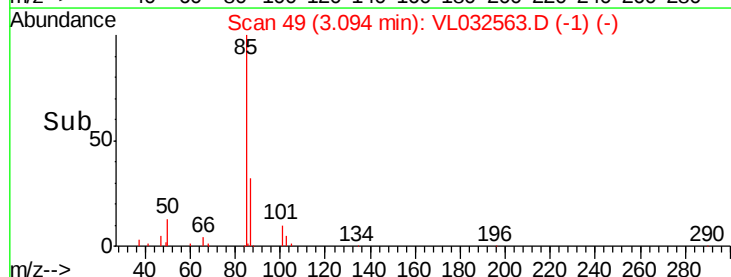
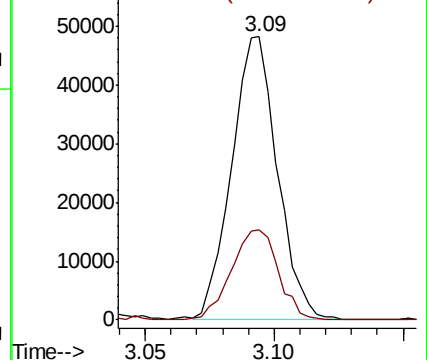
Ion Ratio Lower Upper

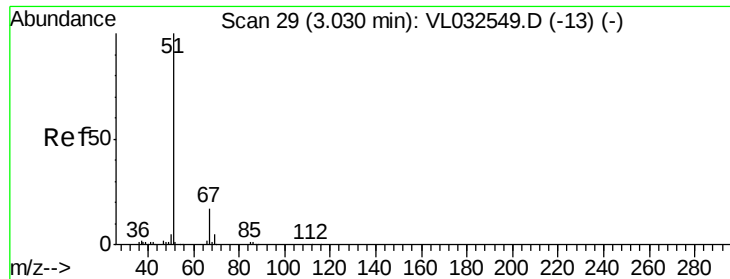
85 100

87 31.7 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.708 ppbv

RT: 3.03 min Scan# 29

Delta R.T. -0.02 min

Lab File: VL032563.D

Acq: 28 Sep 2018 00:06

Instrument :

MSVOA_L

ClientSampleId :

AA-1DUP

Tgt Ion: 51 Resp: 181724

Ion Ratio Lower Upper

51 100

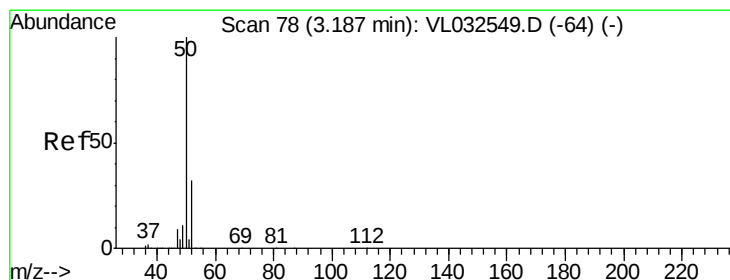
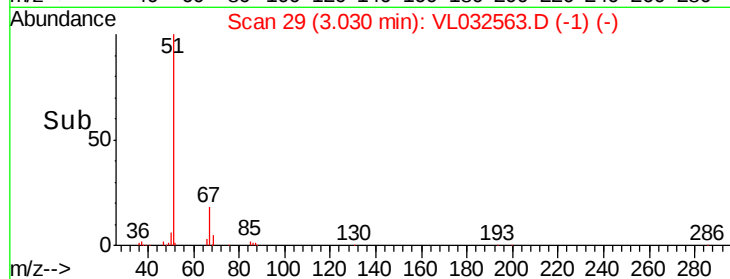
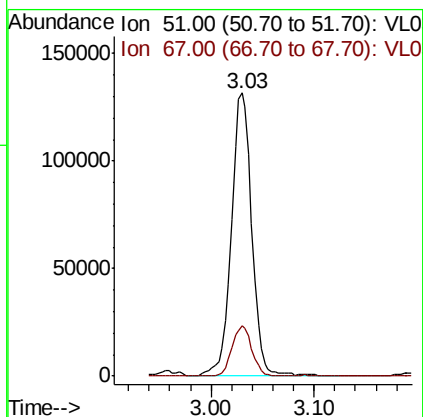
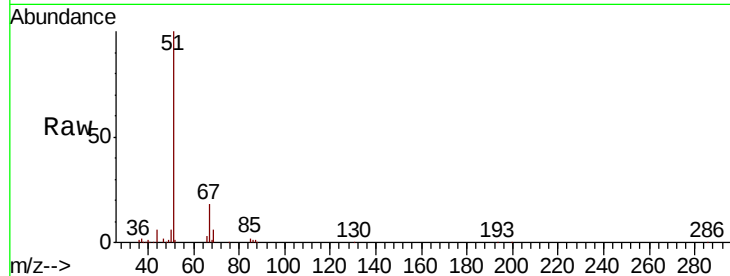
67 17.3 13.8 20.8

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#4

Chloromethane

Concen: 0.462 ppbv

RT: 3.19 min Scan# 78

Delta R.T. -0.02 min

Lab File: VL032563.D

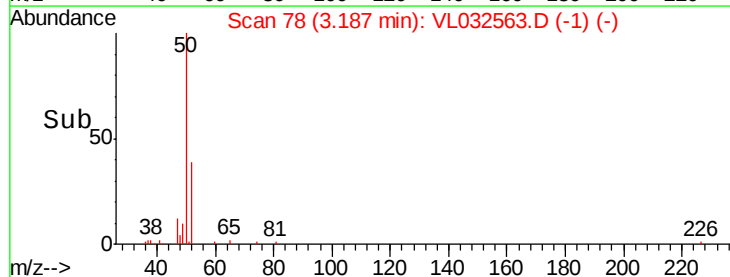
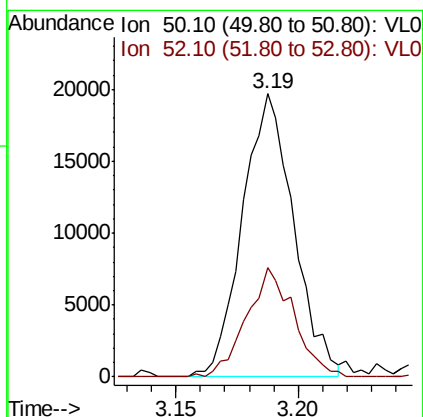
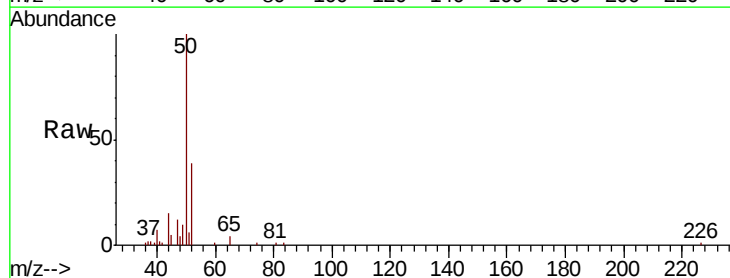
Acq: 28 Sep 2018 00:06

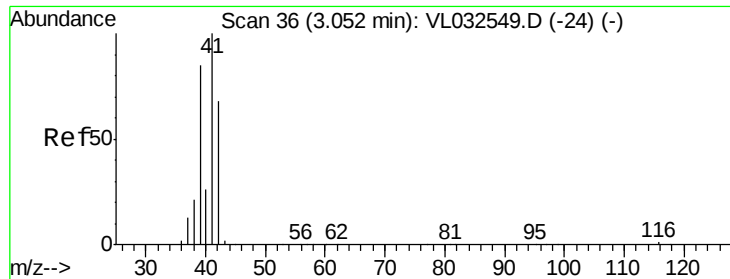
Tgt Ion: 50 Resp: 28666

Ion Ratio Lower Upper

50 100

52 38.5 25.6 38.4#





#9

Propene

Concen: 0.354 ppbv

RT: 3.06 min Scan# 39

Delta R.T. -0.01 min

Lab File: VL032563.D

Acq: 28 Sep 2018 00:06

Instrument :

MSVOA_L

ClientSampled :

AA-1DUP

Tgt Ion: 41 Resp: 16357

Ion Ratio Lower Upper

41 100

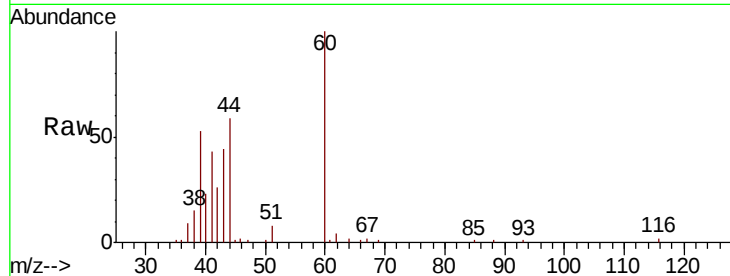
42 59.0 56.6 84.8

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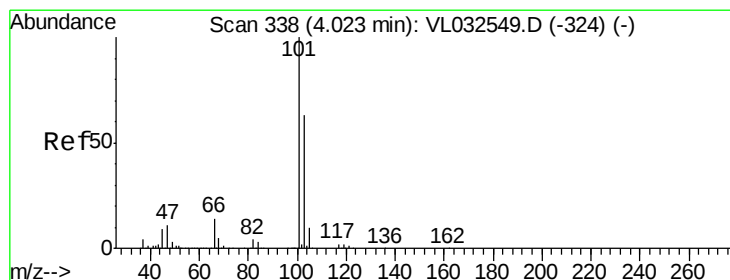
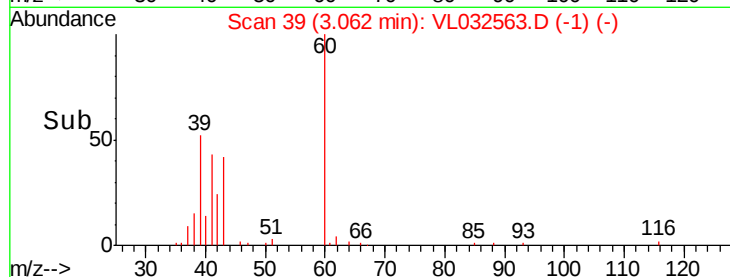
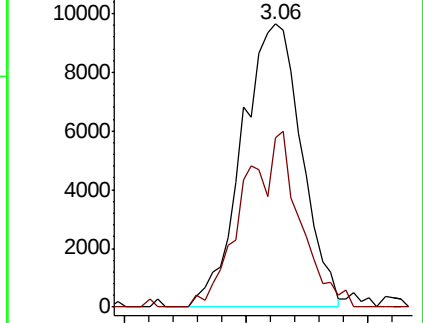
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#11

Trichlorofluoromethane

Concen: 0.270 ppbv

RT: 4.03 min Scan# 339

Delta R.T. -0.02 min

Lab File: VL032563.D

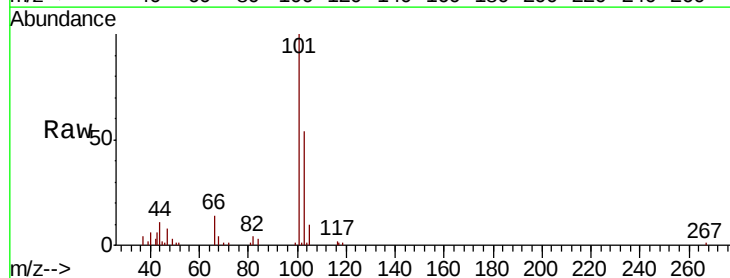
Acq: 28 Sep 2018 00:06

Tgt Ion: 101 Resp: 37944

Ion Ratio Lower Upper

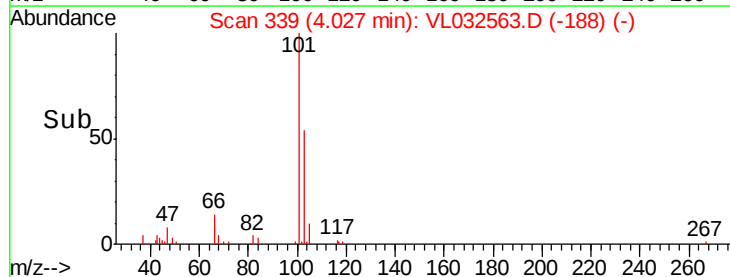
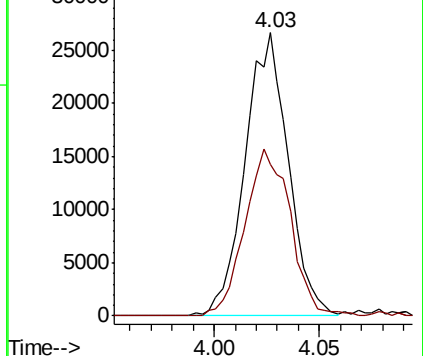
101 100

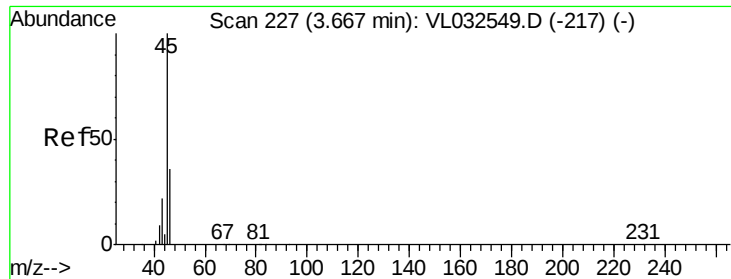
103 53.7 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





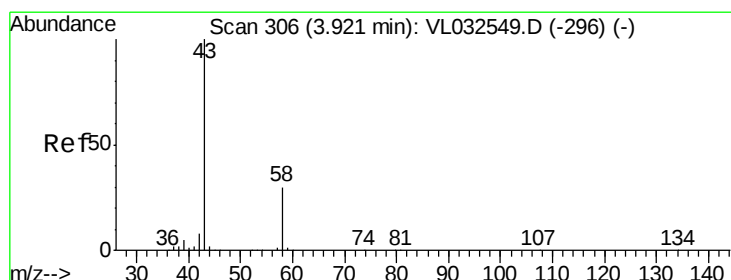
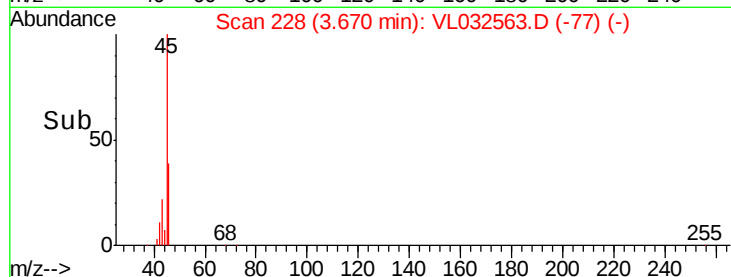
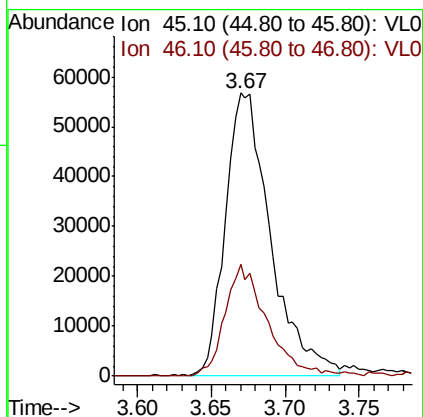
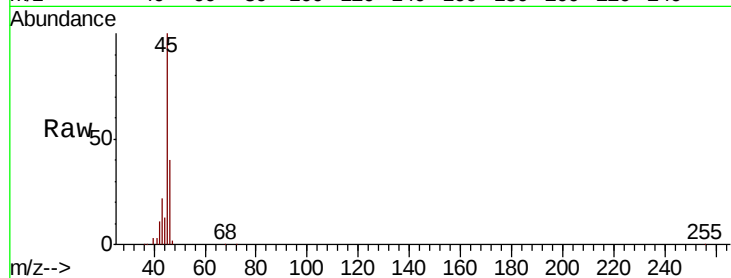
#13
Ethanol
Concen: 8.742 ppbv m
RT: 3.67 min Scan# 228
Delta R.T. -0.02 min
Lab File: VL032563.D
Acq: 28 Sep 2018 00:06

Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP

Tgt Ion: 45 Resp: 121335
Ion Ratio Lower Upper
45 100
46 37.8 14.2 56.8

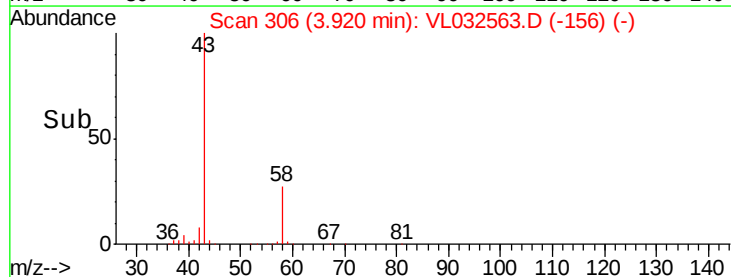
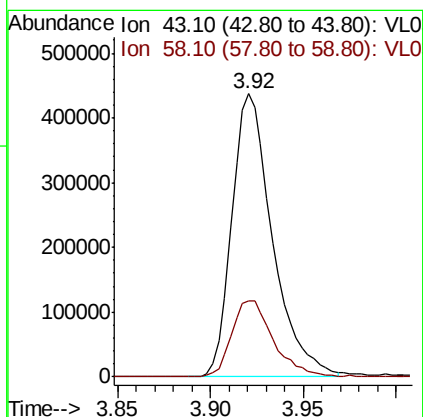
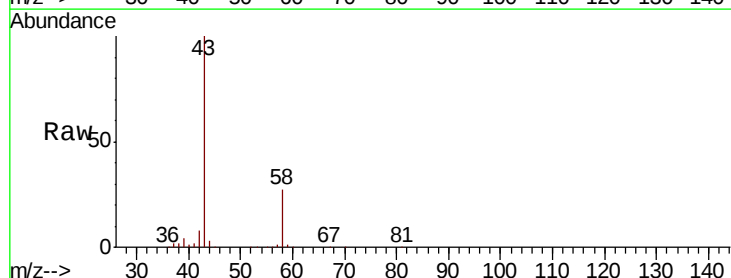
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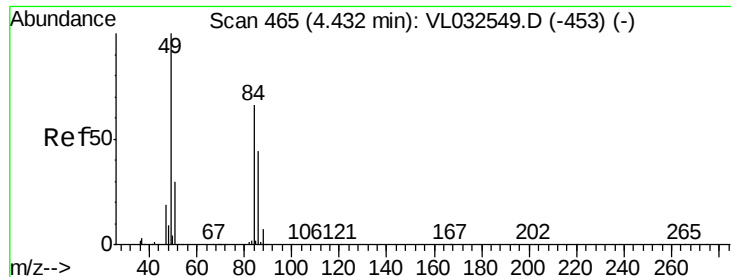
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#15
Acetone
Concen: 5.893 ppbv
RT: 3.92 min Scan# 306
Delta R.T. -0.02 min
Lab File: VL032563.D
Acq: 28 Sep 2018 00:06

Tgt Ion: 43 Resp: 661972
Ion Ratio Lower Upper
43 100
58 28.4 22.6 33.8





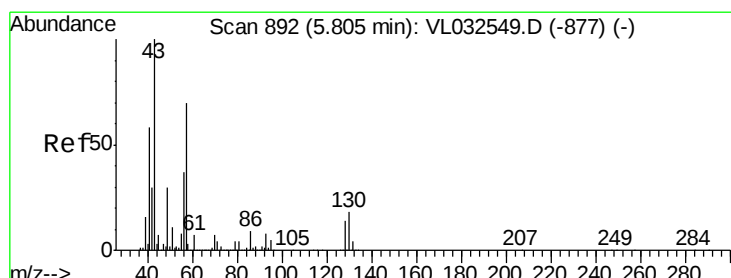
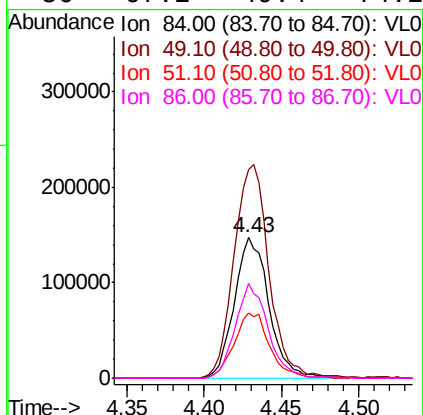
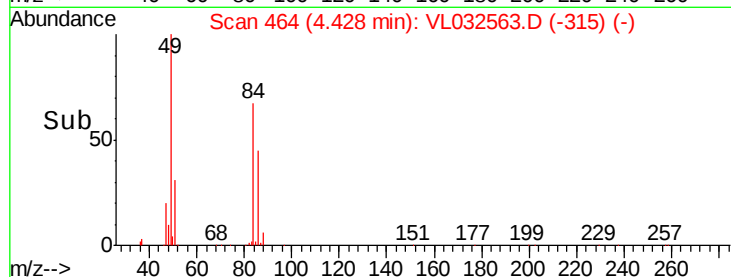
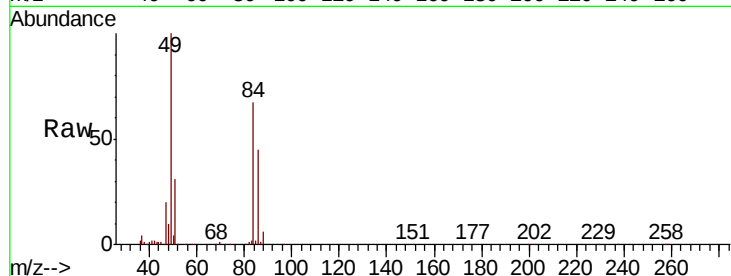
#20
Methylene Chloride
Concen: 4.230 ppbv
RT: 4.43 min Scan# 464
Delta R.T. -0.02 min
Lab File: VL032563.D
Acq: 28 Sep 2018 00:06

Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP

Tgt Ion:	84	Resp:	230079
Ion	Ratio	Lower	Upper
84	100		
49	149.1	119.1	178.7
51	46.6	35.2	52.8
86	67.2	49.4	74.2

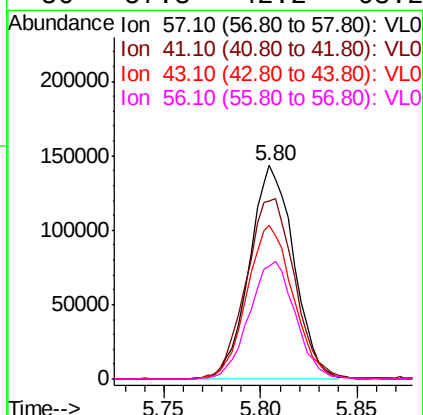
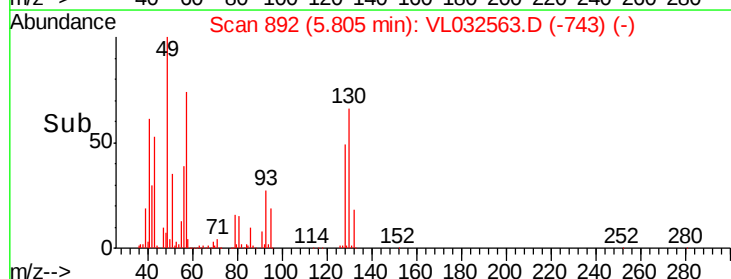
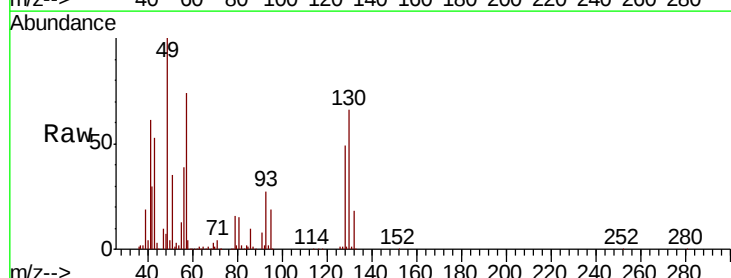
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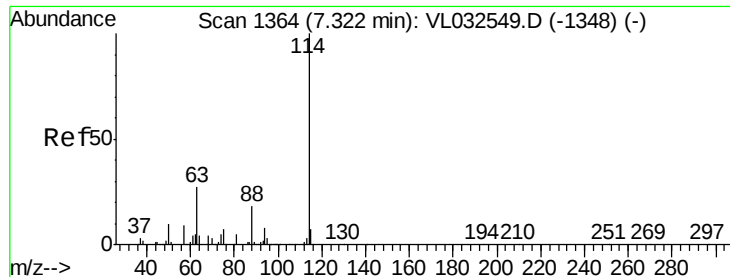
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#26
Hexane
Concen: 1.855 ppbv
RT: 5.80 min Scan# 892
Delta R.T. -0.02 min
Lab File: VL032563.D
Acq: 28 Sep 2018 00:06

Tgt Ion:	57	Resp:	228407
Ion	Ratio	Lower	Upper
57	100		
41	92.4	69.0	103.4
43	75.4	172.1	258.1#
56	57.3	42.2	63.2





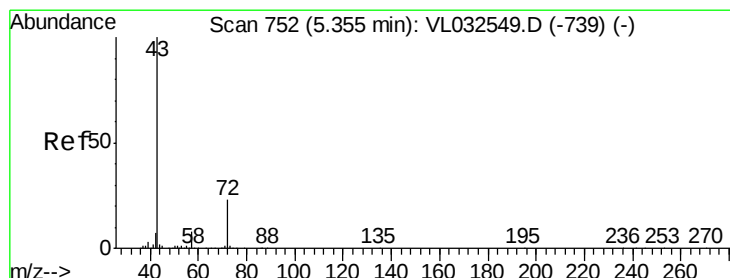
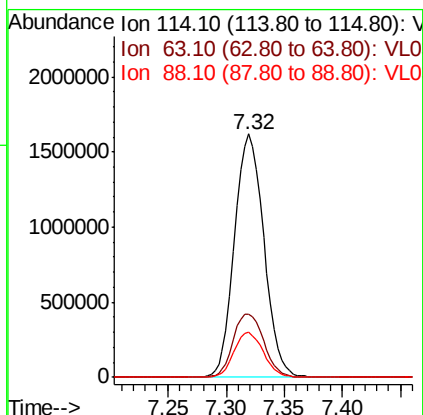
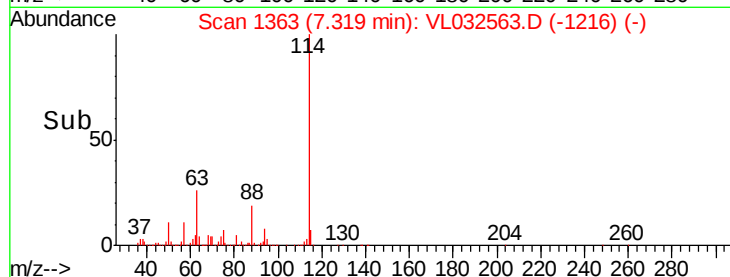
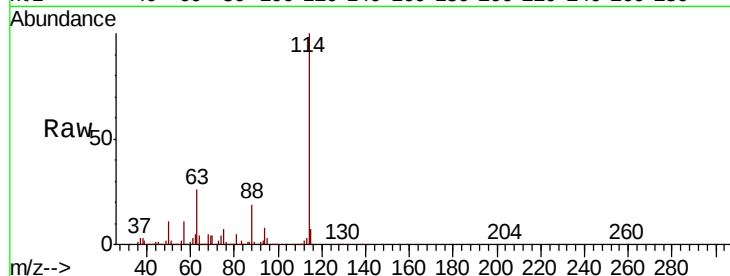
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.32 min Scan# 1363
 Delta R.T. -0.03 min
 Lab File: VL032563.D
 Acq: 28 Sep 2018 00:06

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1DUP

Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.2	22.2	33.4
88	18.5	15.0	22.4

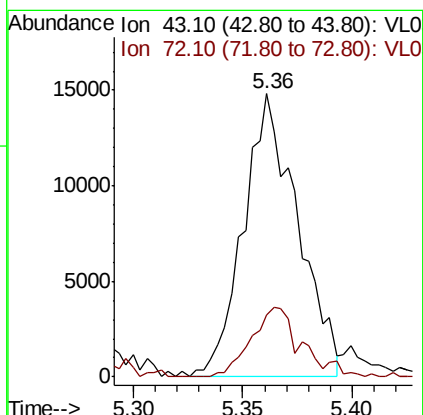
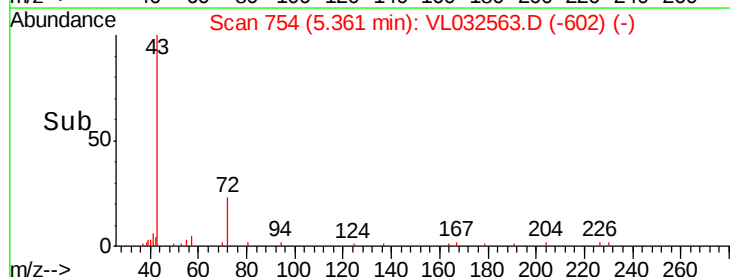
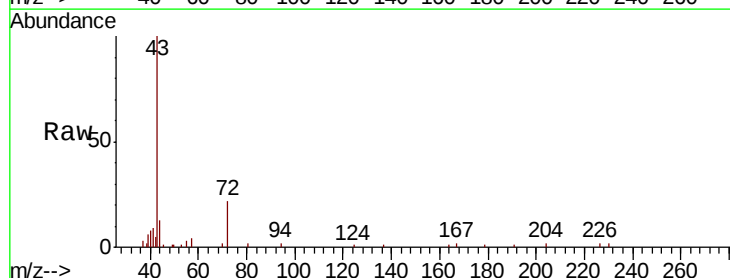
Manual Integrations
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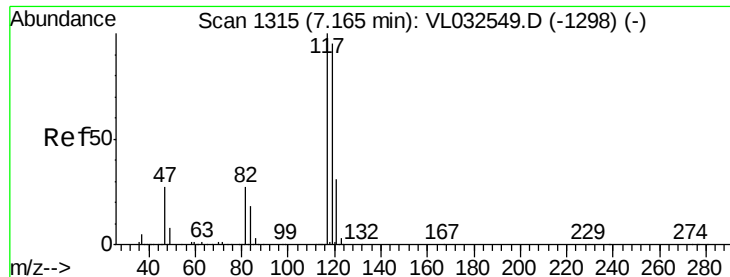
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#34
 2-Butanone
 Concen: 0.151 ppbv m
 RT: 5.36 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VL032563.D
 Acq: 28 Sep 2018 00:06

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.9	17.8	26.6





#35

Carbon Tetrachloride

Concen: 0.079 ppbv

RT: 7.16 min Scan# 1314

Delta R.T. -0.02 min

Lab File: VL032563.D

Acq: 28 Sep 2018 00:06

Instrument :

MSVOA_L

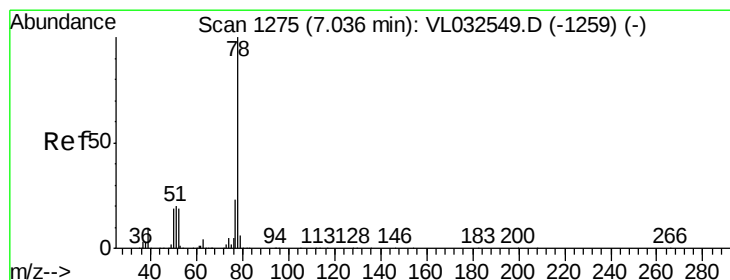
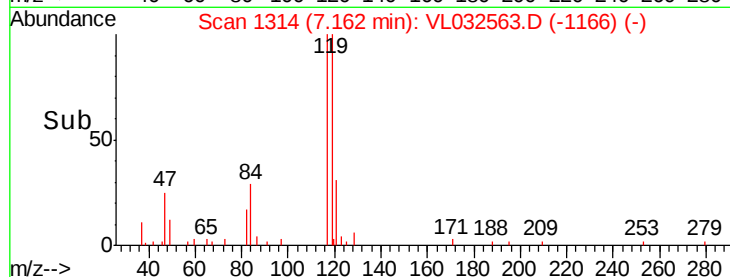
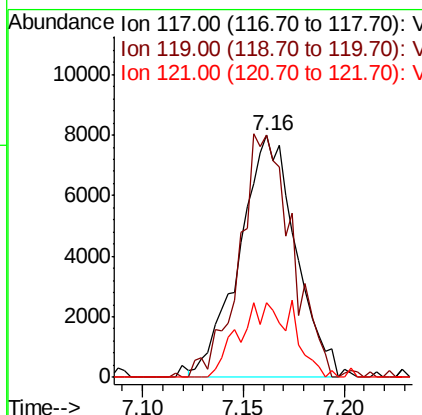
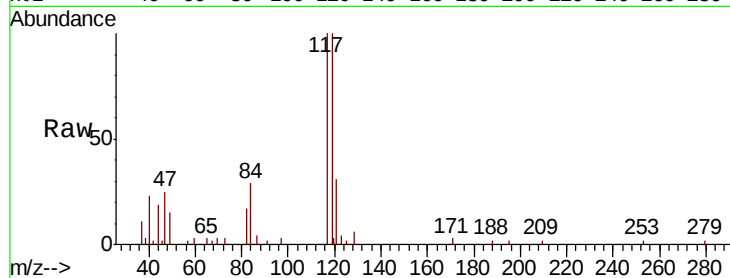
ClientSampled :

AA-1DUP

Tgt Ion:	117	Resp:	15546
Ion	Ratio	Lower	Upper
117	100		
119	100.4	76.6	115.0
121	31.1	24.6	36.8

Manual Integrations
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#36

Benzene

Concen: 0.150 ppbv

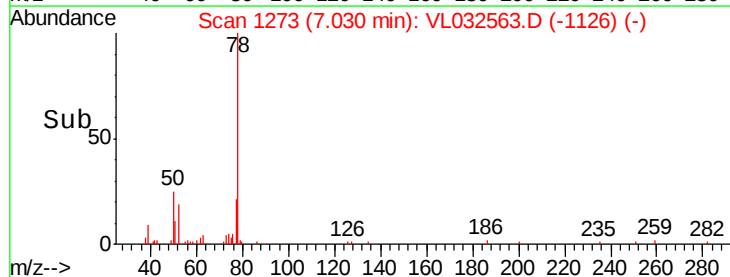
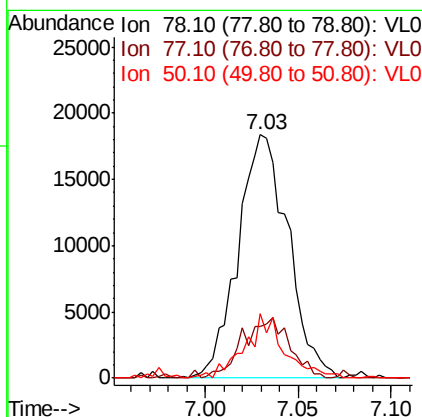
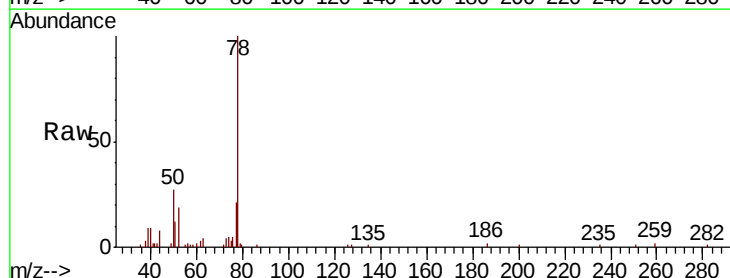
RT: 7.03 min Scan# 1273

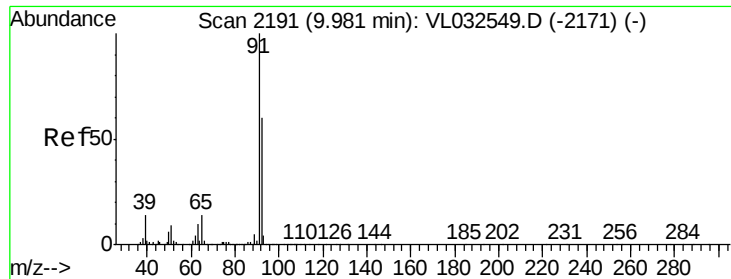
Delta R.T. -0.03 min

Lab File: VL032563.D

Acq: 28 Sep 2018 00:06

Tgt Ion:	78	Resp:	34417
Ion	Ratio	Lower	Upper
78	100		
77	21.8	18.4	27.6
50	27.3	14.4	21.6#





#53

Toluene

Concen: 2.058 ppbv

RT: 9.98 min Scan# 2191

Delta R.T. -0.02 min

Lab File: VL032563.D

Acq: 28 Sep 2018 00:06

Instrument :

MSVOA_L

ClientSampleId :

AA-1DUP

Tgt Ion: 91 Resp: 577200

Ion Ratio Lower Upper

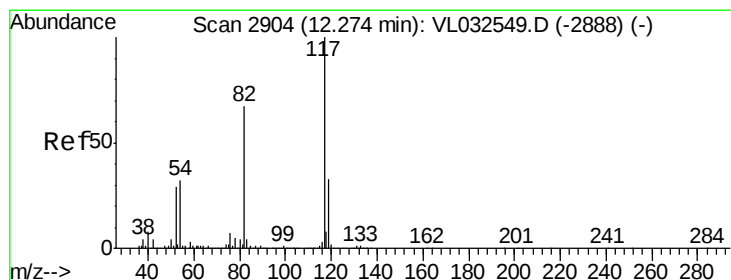
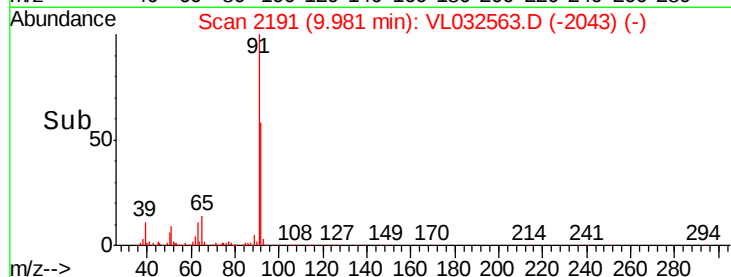
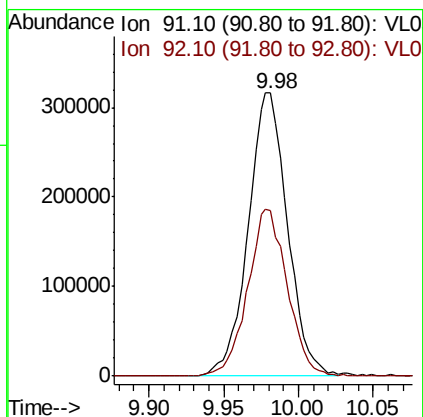
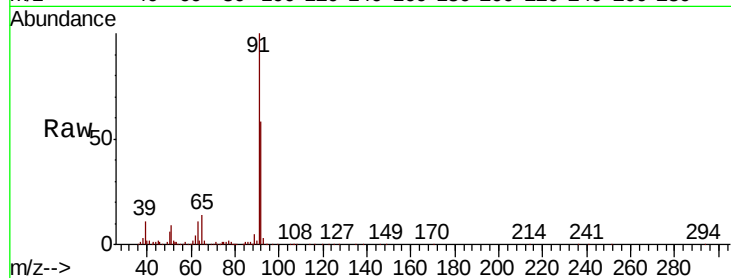
91 100

92 59.7 48.1 72.1

Manual Integrations
APPROVED

MMDadoda

10/1/2018 11:57:46 AM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.27 min Scan# 2903

Delta R.T. -0.03 min

Lab File: VL032563.D

Acq: 28 Sep 2018 00:06

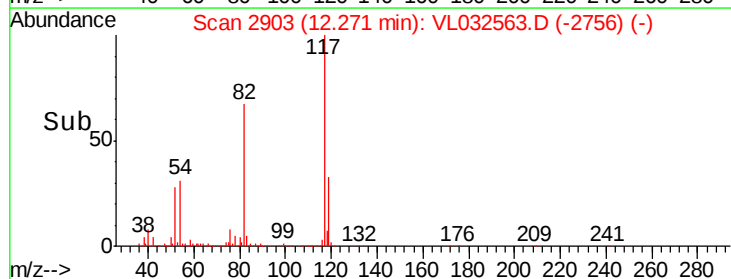
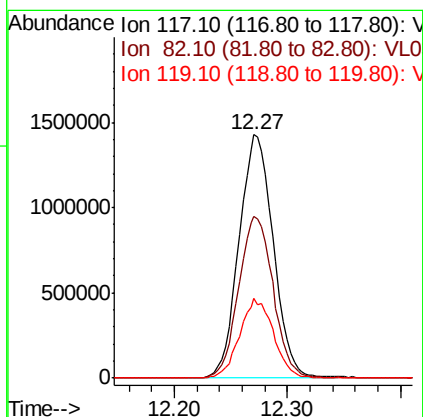
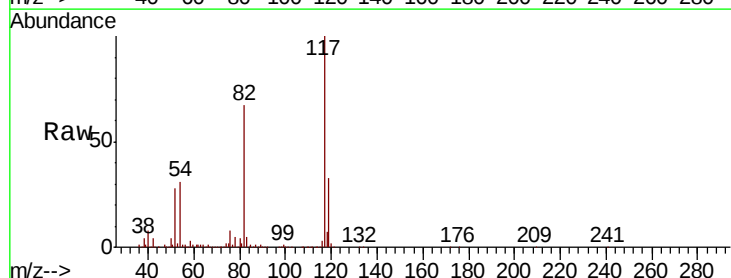
Tgt Ion: 117 Resp: 3023604

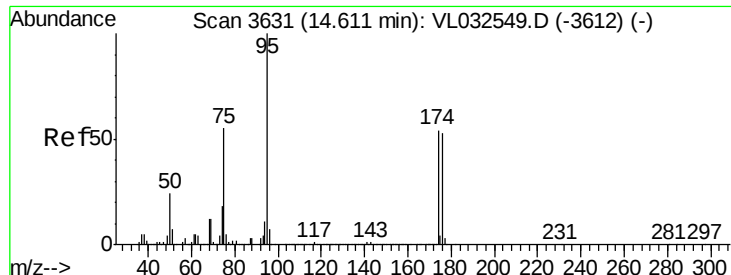
Ion Ratio Lower Upper

117 100

82 67.1 53.0 79.6

119 32.3 45.9 68.9#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.289 ppbv
 RT: 14.61 min Scan# 3630
 Delta R.T. -0.03 min
 Lab File: VL032563.D
 Acq: 28 Sep 2018 00:06

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1DUP

Tgt Ion	Ratio	Lower	Upper
95	100		
174	57.7	46.3	69.5
175	4.1	3.4	5.0

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 11:57:46 AM

