

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071918\
 Data File : VL032303.D
 Acq On : 20 Jul 2018 00:54
 Operator : SY/AP
 Sample : J4029-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AIR-01DL

Manual Integrations
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 7/20/2018 2:06:27 PM

Quant Time: Jul 20 04:26:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 18
 QLast Update : Wed Jul 18 14:38:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.83	49	1513067	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	3136395	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	3650229	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.66	95	2830537	9.56	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.06	51	643907	3.79	ppbv	93
11) Trichlorofluoromethane	4.06	101	243952	1.21	ppbv	100
13) Ethanol	3.71	45	198506m	9.36	ppbv	
15) Acetone	3.96	43	345730	2.18	ppbv	91
17) tert-Butyl alcohol	4.45	59	24309m	0.49	ppbv	
19) Isopropyl Alcohol	4.11	45	67404m	0.63	ppbv	
20) Methylene Chloride	4.47	84	151559	2.49	ppbv	91
26) Hexane	5.85	57	163159	1.03	ppbv #	41
27) Carbon Disulfide	4.69	76	59270	0.42	ppbv #	83
29) Chloroform	5.92	83	250338	1.07	ppbv	98
31) cis-1,2-Dichloroethene	5.71	61	15452m	0.10	ppbv	
34) 2-Butanone	5.41	43	23510m	0.11	ppbv	
52) Tetrachloroethene	11.47	164	3981m	0.04	ppbv	

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

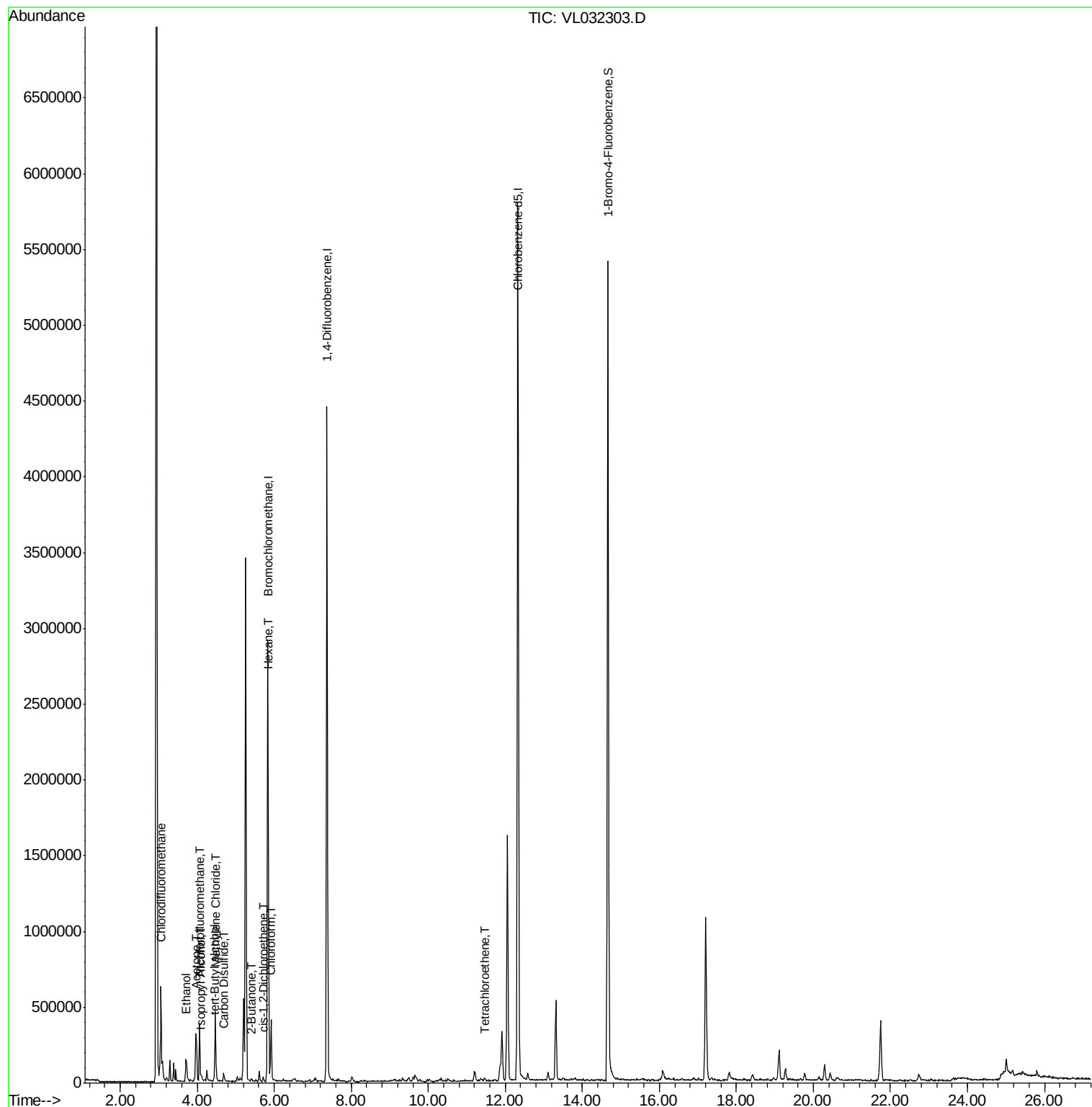
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL071918\
Data File : VL032303.D
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Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

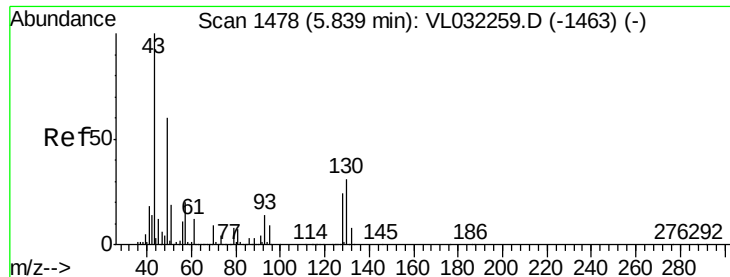
Instrument :
MSVOA_L
ClientSampleId :
AIR-01DL

Manual Integrations
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Quant Time: Jul 20 04:26:31 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul
QLast Update : Wed Jul 18 14:38:53 2018
Response via : Initial Calibration





#1

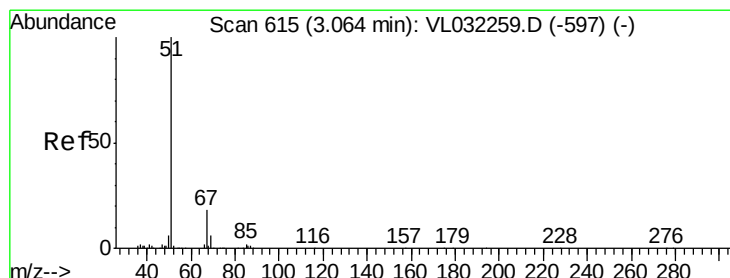
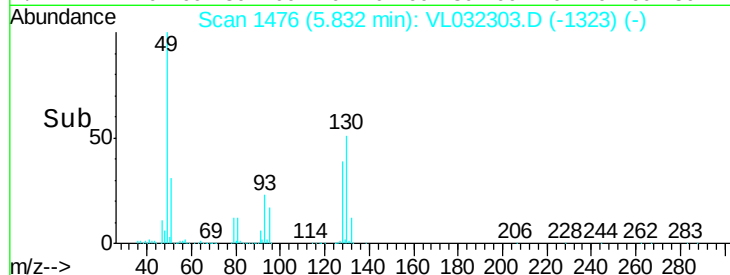
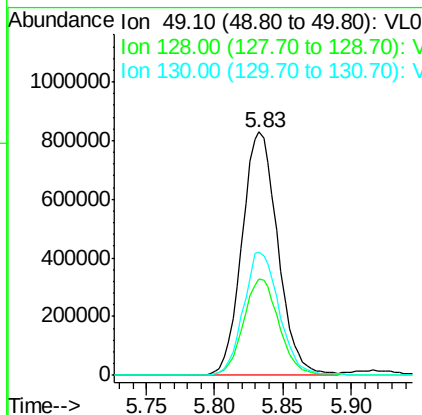
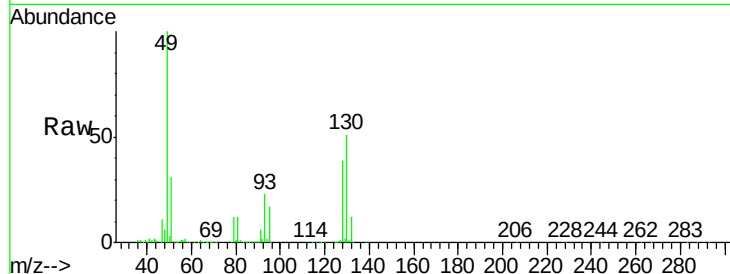
Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.83 min Scan# 1476
 Delta R.T. -0.01 min
 Lab File: VL032303.D
 Acq: 20 Jul 2018 00:54

Instrument :
 MSVOA_L
 ClientSampled :
 AIR-01DL

Tot Ion: 49 Resp: 1513067
 Ion Ratio Lower Upper
 49 100
 128 39.4 20.1 60.2
 130 50.9 25.9 77.6

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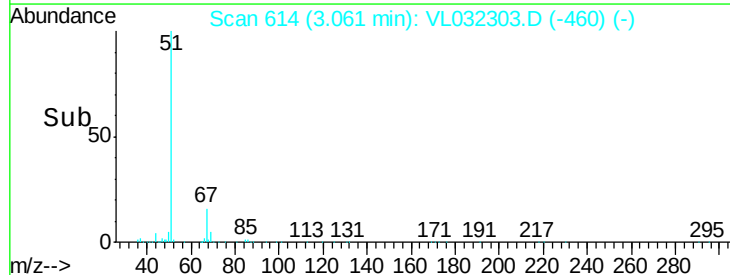
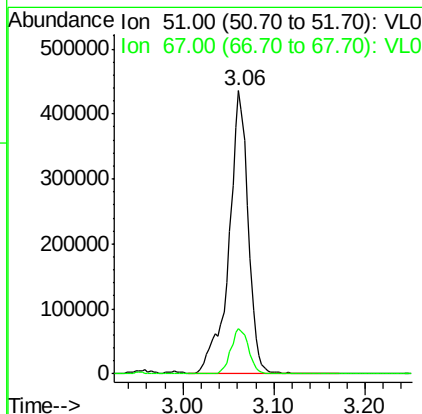
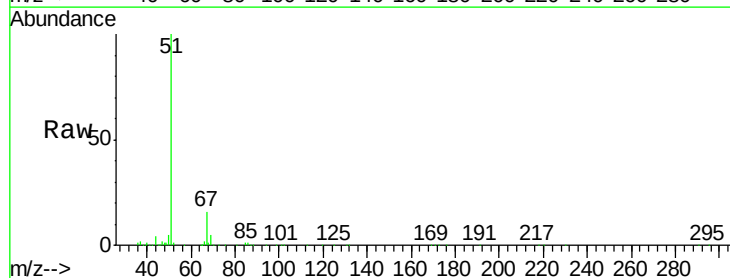
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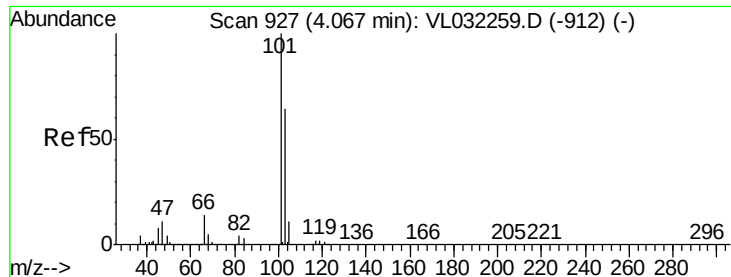


#3

Chlorodifluoromethane
 Concen: 3.79 ppbv
 RT: 3.06 min Scan# 614
 Delta R.T. -0.00 min
 Lab File: VL032303.D
 Acq: 20 Jul 2018 00:54

Tgt Ion: 51 Resp: 643907
 Ion Ratio Lower Upper
 51 100
 67 14.7 14.2 21.4





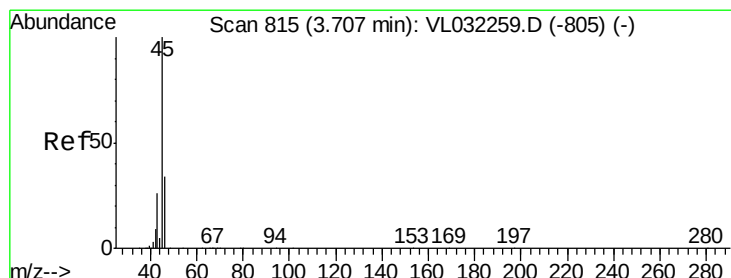
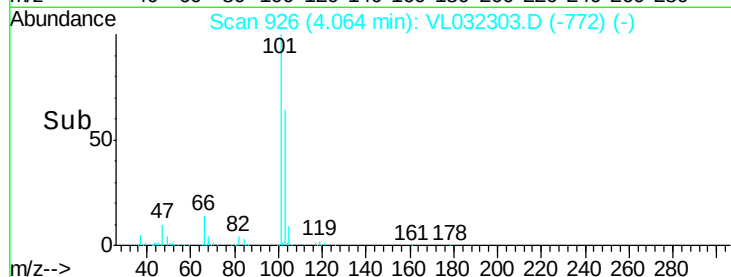
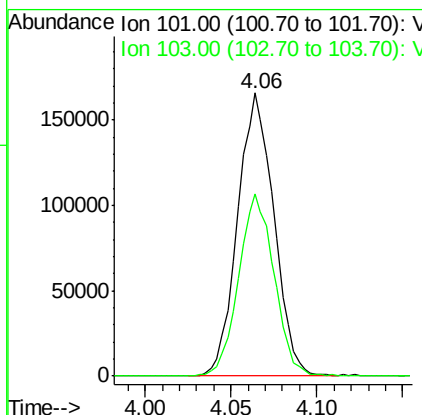
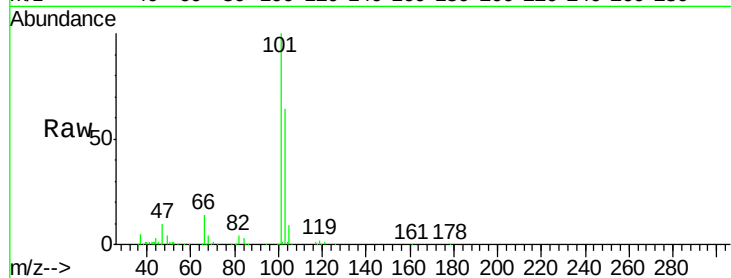
#11
 Trichlorofluoromethane
 Concen: 1.21 ppbv
 RT: 4.06 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: VL032303.D
 Acq: 20 Jul 2018 00:54

Instrument :
 MSVOA_L
 ClientSampleId :
 AIR-01DL

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.5	77.3

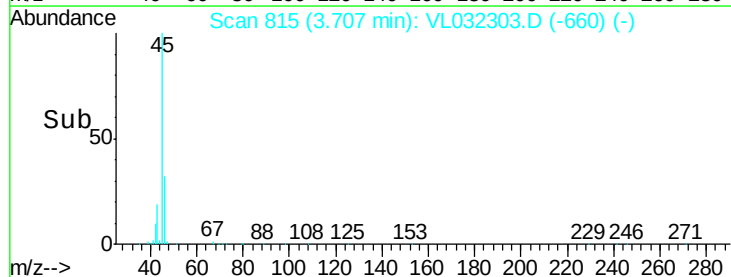
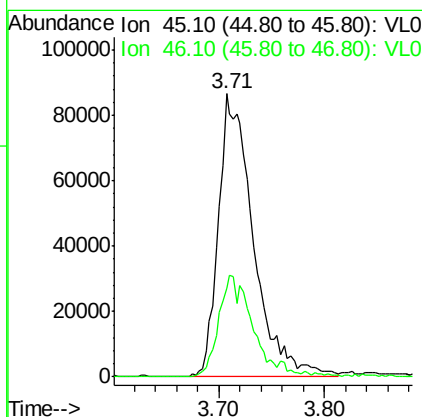
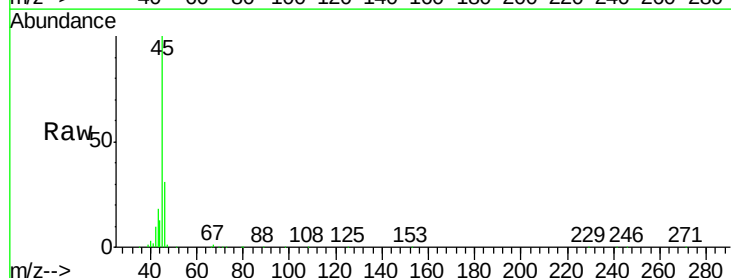
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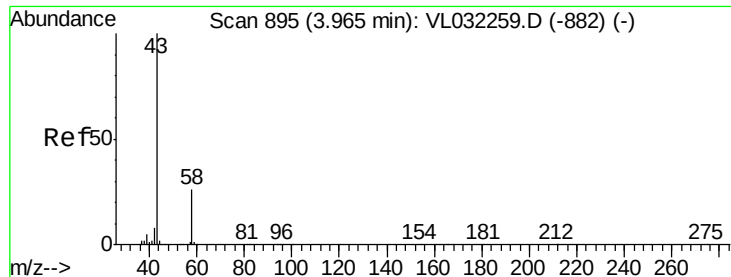
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#13
 Ethanol
 Concen: 9.36 ppbv m
 RT: 3.71 min Scan# 815
 Delta R.T. -0.00 min
 Lab File: VL032303.D
 Acq: 20 Jul 2018 00:54

Tgt Ion	Ratio	Lower	Upper
45	100		
46	35.9	15.2	60.8





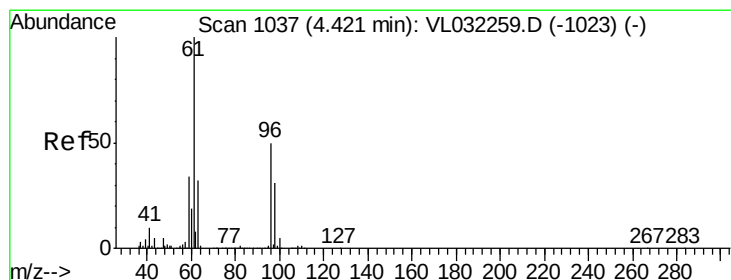
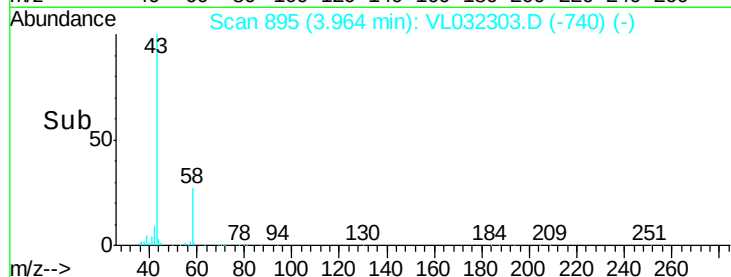
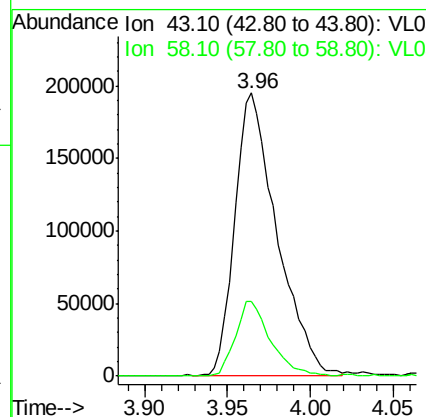
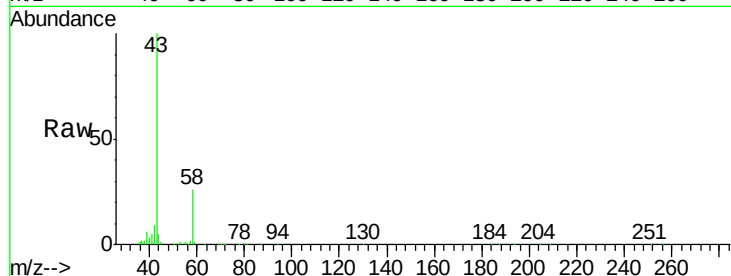
#15
Acetone
Concen: 2.18 ppbv
RT: 3.96 min Scan# 895
Delta R.T. -0.00 min
Lab File: VL032303.D
Acq: 20 Jul 2018 00:54

Instrument :
MSVOA_L
ClientSampleId :
AIR-01DL

Tot Ion: 43 Resp: 345730
Ion Ratio Lower Upper
43 100
58 22.5 21.8 32.6

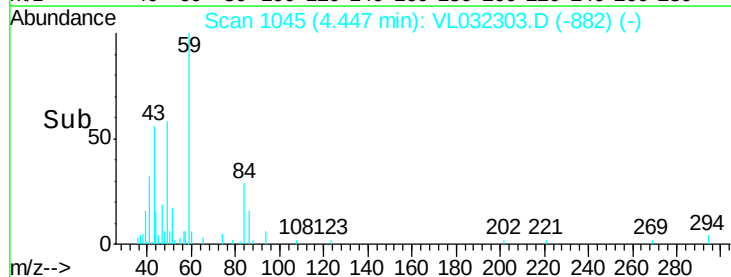
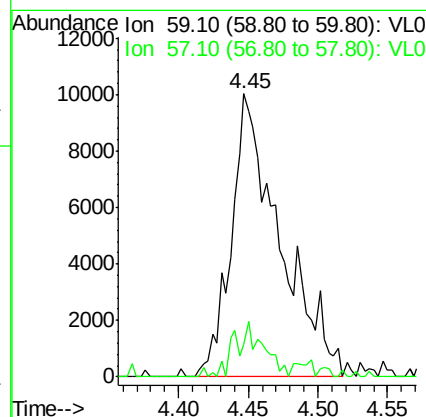
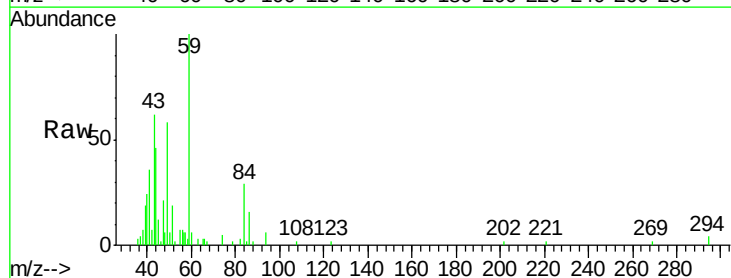
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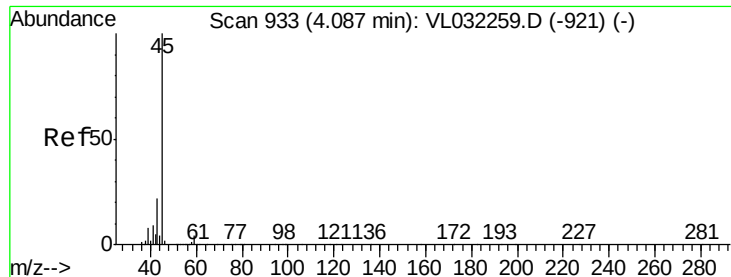
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#17
tert-Butyl alcohol
Concen: 0.49 ppbv m
RT: 4.45 min Scan# 1045
Delta R.T. 0.03 min
Lab File: VL032303.D
Acq: 20 Jul 2018 00:54

Tgt Ion: 59 Resp: 24309
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





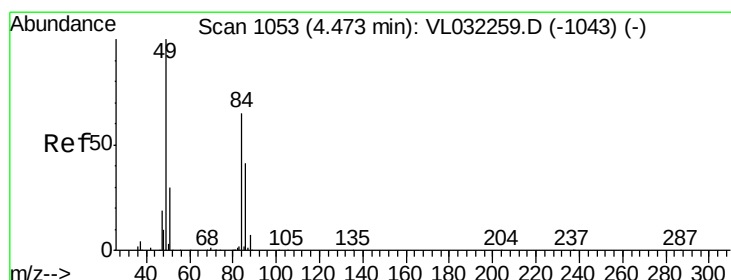
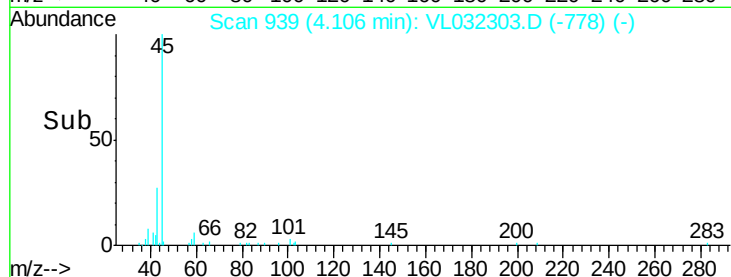
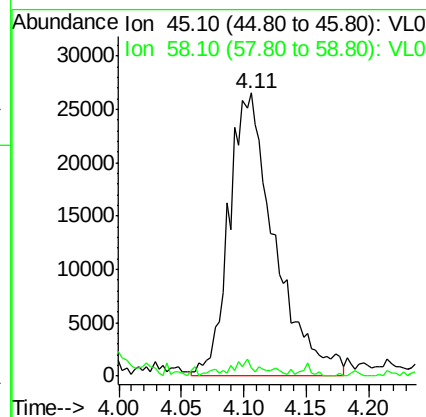
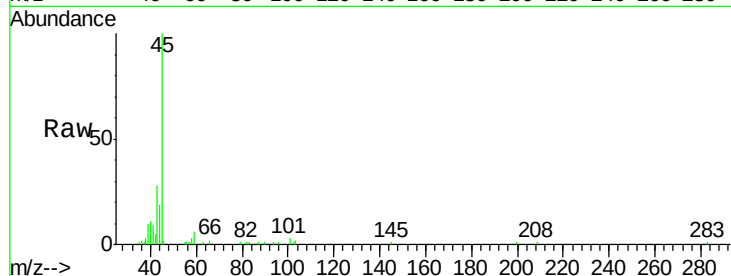
#19
Isopropyl Alcohol
Concen: 0.63 ppbv m
RT: 4.11 min Scan# 939
Delta R.T. 0.02 min
Lab File: VL032303.D
Acq: 20 Jul 2018 00:54

Instrument :
MSVOA_L
ClientSampleId :
AIR-01DL

Tot Ion: 45 Resp: 67404
Ion Ratio Lower Upper
45 100
58 4.1 1.5 2.3#

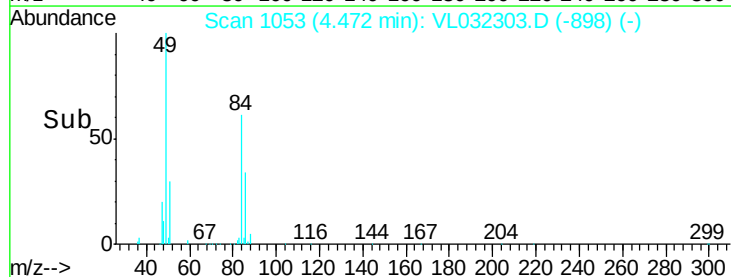
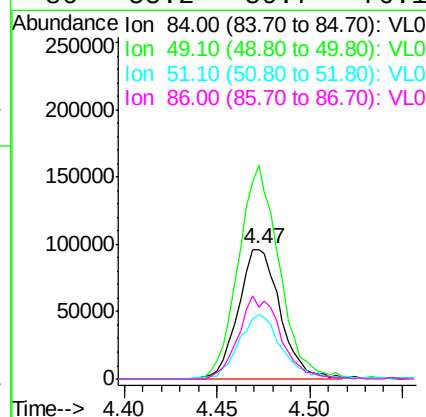
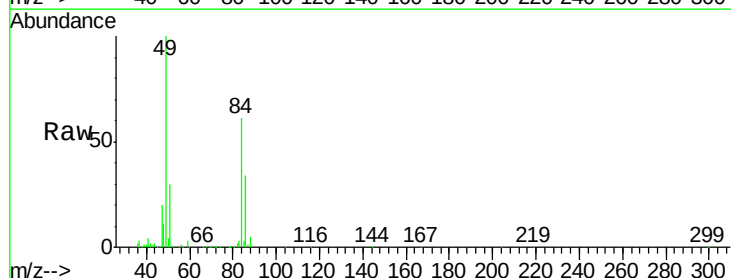
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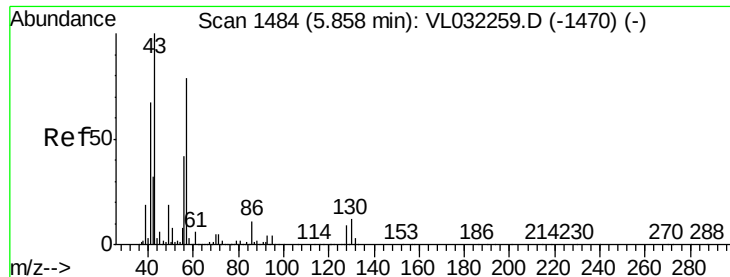
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#20
Methylene Chloride
Concen: 2.49 ppbv
RT: 4.47 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VL032303.D
Acq: 20 Jul 2018 00:54

Tgt Ion: 84 Resp: 151559
Ion Ratio Lower Upper
84 100
49 164.4 122.4 183.6
51 49.2 36.8 55.2
86 55.2 50.7 76.1





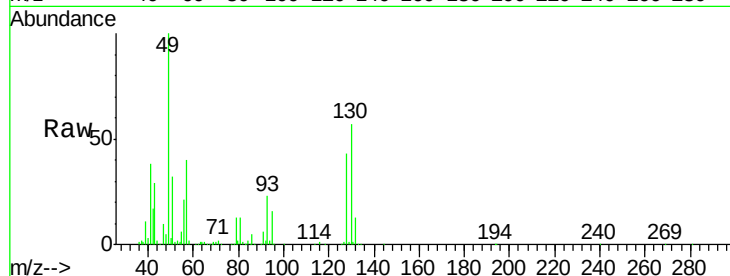
#26
Hexane
Concen: 1.03 ppbv
RT: 5.85 min Scan# 1482
Delta R.T. -0.01 min
Lab File: VL032303.D
Acq: 20 Jul 2018 00:54

Instrument :
MSVOA_L
ClientSampleId :
AIR-01DL

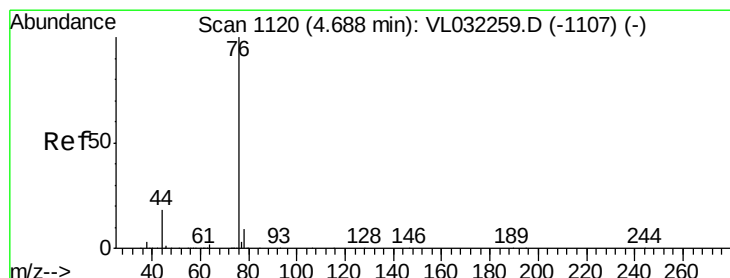
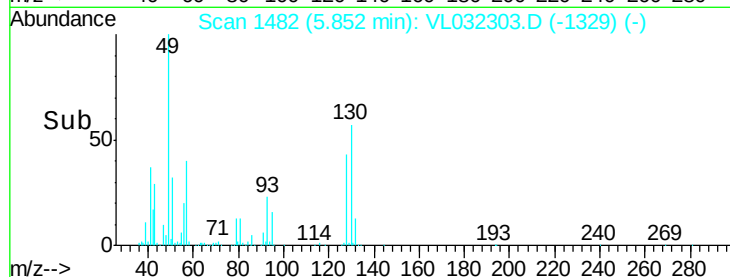
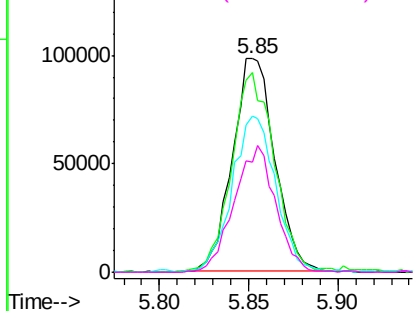
Tot Ion	Ratio	Lower	Upper
57	100		
41	96.9	67.9	101.9
43	76.2	175.9	263.9#
56	58.3	41.9	62.9

Manual Integrations
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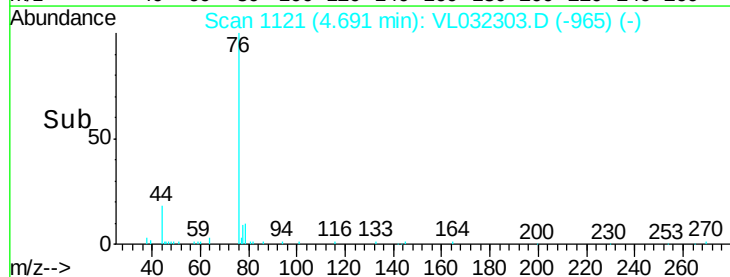
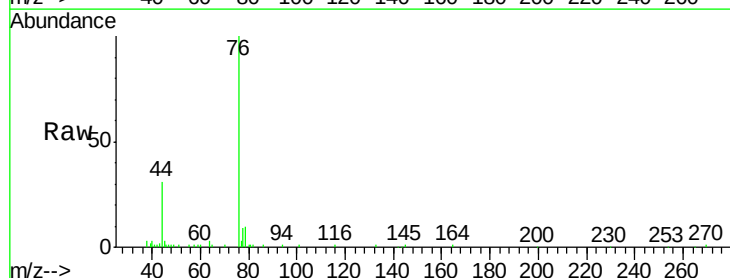
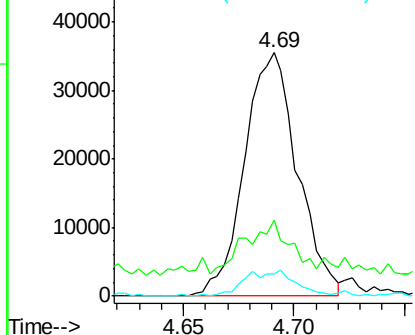
Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

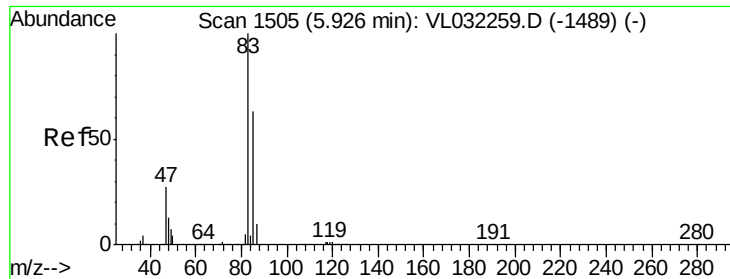


#27
Carbon Disulfide
Concen: 0.42 ppbv
RT: 4.69 min Scan# 1121
Delta R.T. 0.00 min
Lab File: VL032303.D
Acq: 20 Jul 2018 00:54

Tgt Ion	Ratio	Lower	Upper
76	100		
44	28.2	14.3	21.5#
78	11.3	7.4	11.0#

Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0





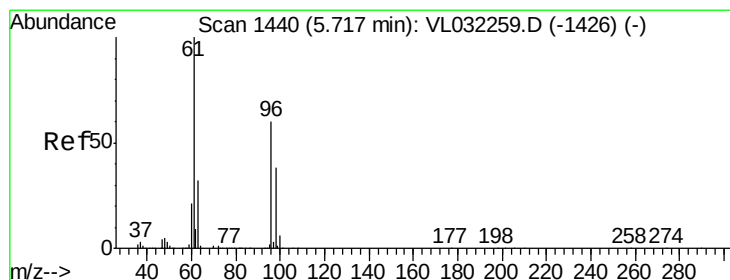
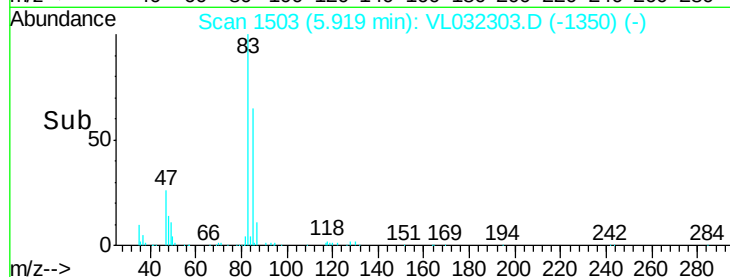
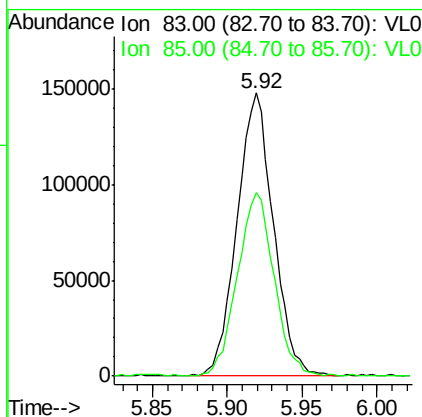
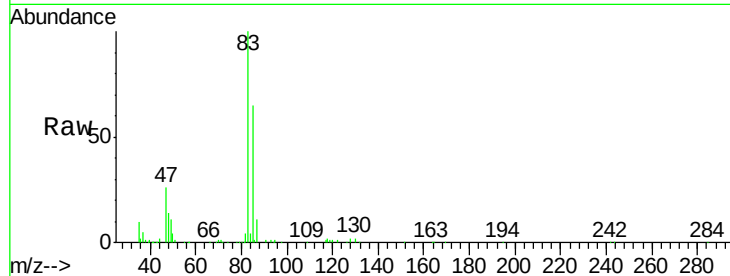
#29
Chloroform
Concen: 1.07 ppbv
RT: 5.92 min Scan# 1503
Delta R.T. -0.01 min
Lab File: VL032303.D
Acq: 20 Jul 2018 00:54

Instrument :
MSVOA_L
ClientSampleId :
AIR-01DL

Tot Ion	83	Resp	250338
Ion Ratio	Lower	Upper	
83	100		
85	64.8	50.7	76.1

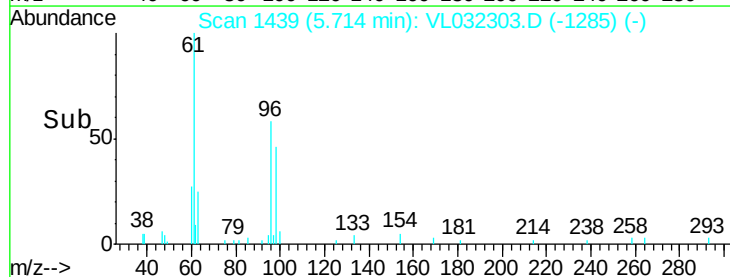
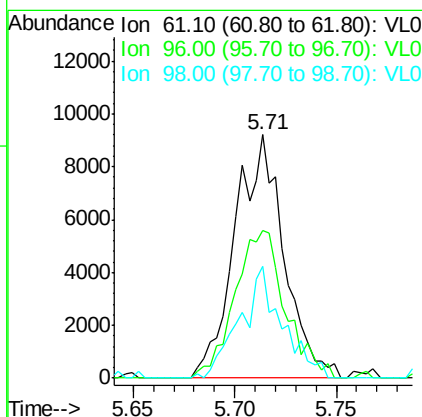
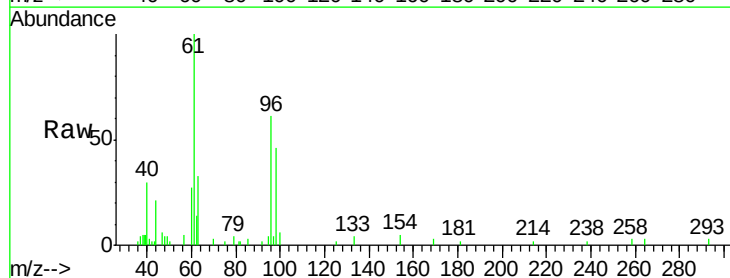
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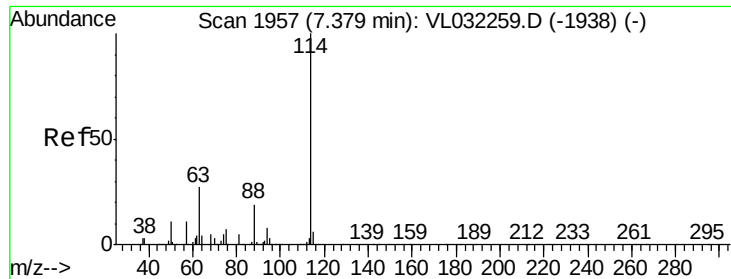
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#31
cis-1,2-Dichloroethene
Concen: 0.10 ppbv m
RT: 5.71 min Scan# 1439
Delta R.T. -0.00 min
Lab File: VL032303.D
Acq: 20 Jul 2018 00:54

Tgt Ion	61	Resp	15452
Ion Ratio	Lower	Upper	
61	100		
96	60.6	47.9	71.9
98	46.1	30.5	45.7#





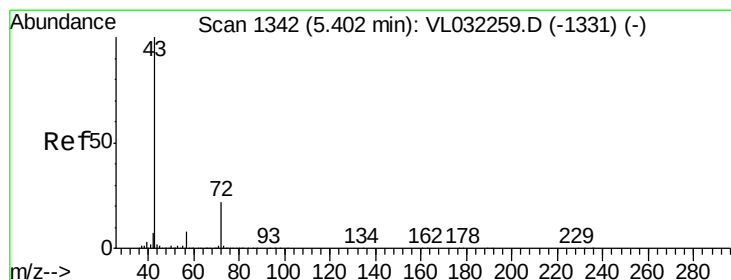
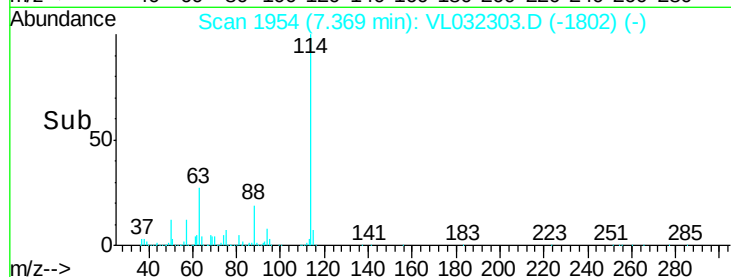
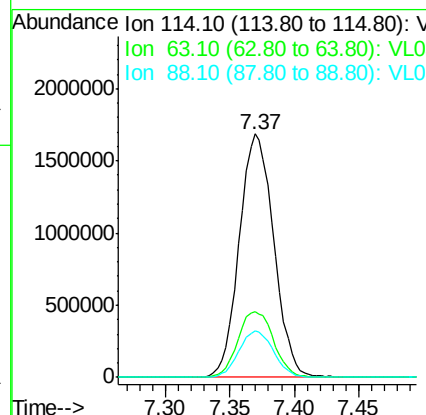
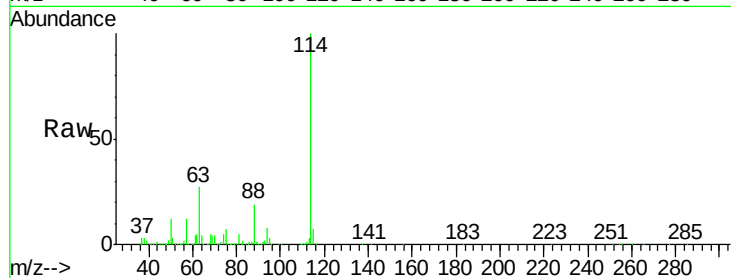
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.37 min Scan# 1954
 Delta R.T. -0.01 min
 Lab File: VL032303.D
 Acq: 20 Jul 2018 00:54

Instrument :
 MSVOA_L
 ClientSampleId :
 AIR-01DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.2	22.6	33.8
88	19.2	15.2	22.8

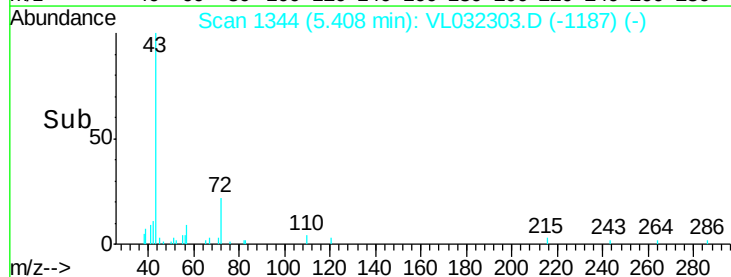
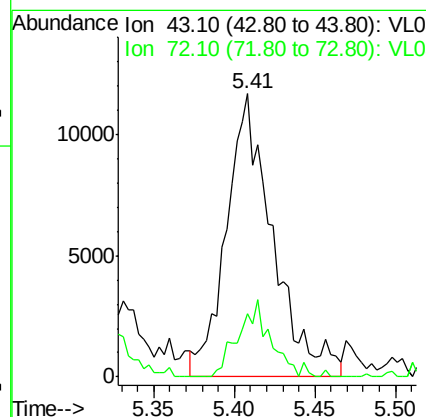
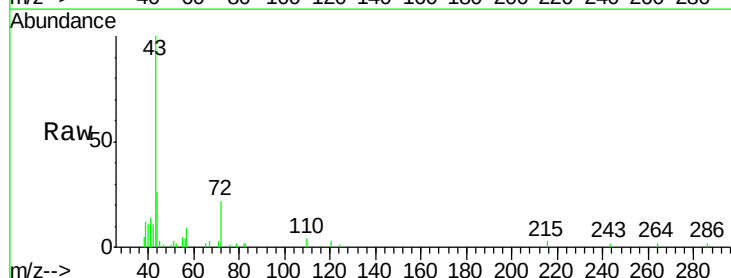
Manual Integrations
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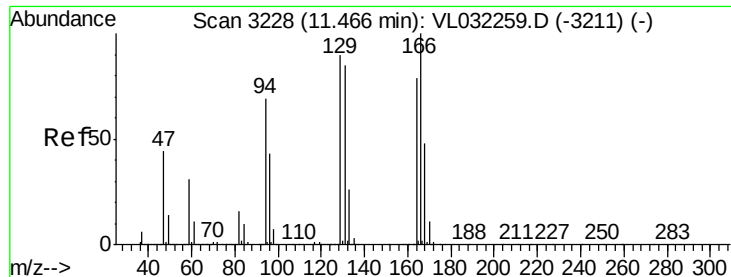
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#34
 2-Butanone
 Concen: 0.11 ppbv m
 RT: 5.41 min Scan# 1344
 Delta R.T. 0.01 min
 Lab File: VL032303.D
 Acq: 20 Jul 2018 00:54

Tgt Ion	Ratio	Lower	Upper
43	100		
72	159.3	17.7	26.5#





#52

Tetrachloroethene

Concen: 0.04 ppbv m

RT: 11.47 min Scan# 3228

Delta R.T. -0.00 min

Lab File: VL032303.D

Acq: 20 Jul 2018 00:54

Instrument :

MSVOA_L

ClientSampled :

AIR-01DL

Tot Ion:164 Resp: 3981

Ion Ratio Lower Upper

164 100

166 59.4 101.7 152.5#

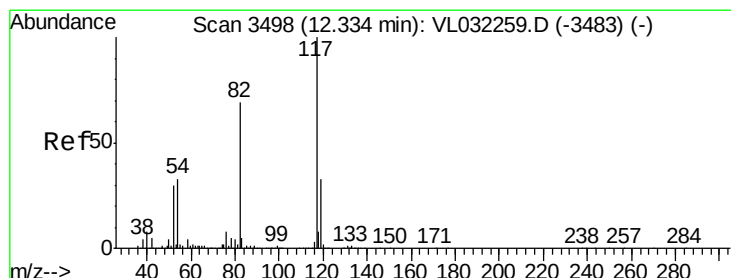
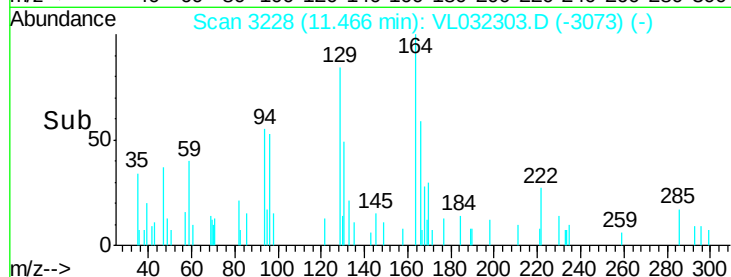
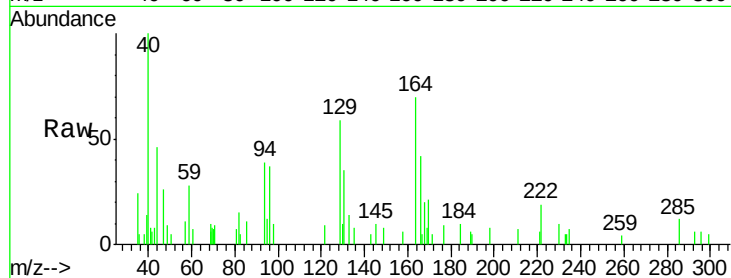
129 83.5 91.5 137.3#

131 49.3 86.6 129.8#

Manual Integrations
APPROVED

MMDadoda

7/20/2018 2:06:27 PM



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.33 min Scan# 3497

Delta R.T. -0.00 min

Lab File: VL032303.D

Acq: 20 Jul 2018 00:54

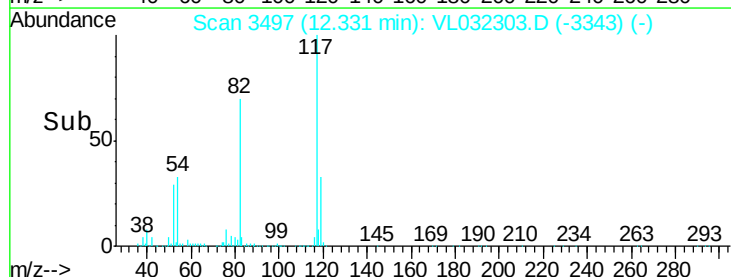
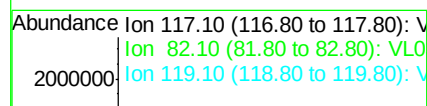
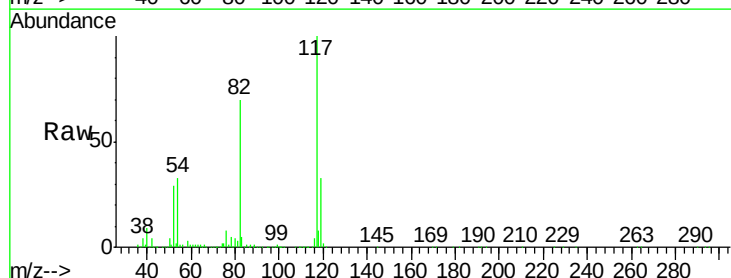
Tgt Ion:117 Resp: 3650229

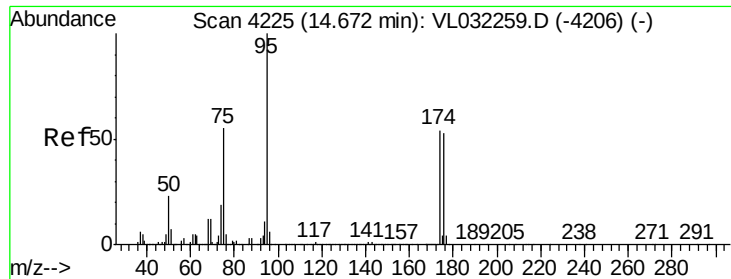
Ion Ratio Lower Upper

117 100

82 69.6 53.9 80.9

119 32.5 25.5 38.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.56 ppbv
 RT: 14.66 min Scan# 4223
 Delta R.T. -0.01 min
 Lab File: VL032303.D
 Acq: 20 Jul 2018 00:54

Instrument :
 MSVOA_L
 ClientSampleId :
 AIR-01DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	56.2	44.3	66.5
175	4.1	3.3	4.9

Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 2:06:27 PM

