

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071918\
 Data File : VL032304.D
 Acq On : 20 Jul 2018 1:34
 Operator : SY/AP
 Sample : J4029-01DL 40X
 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 2:06:28 PM

Quant Time: Jul 20 04:31:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 18 2018
 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	1480498	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	3029143	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	3550025	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.66	95	2790249	9.69	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.06	51	170713	1.03	ppbv	92
11) Trichlorofluoromethane	4.07	101	65026	0.33	ppbv	96
13) Ethanol	3.72	45	51287m	2.47	ppbv	
15) Acetone	3.97	43	99957	0.65	ppbv	92
19) Isopropyl Alcohol	4.11	45	17104m	0.16	ppbv	
20) Methylene Chloride	4.48	84	44928m	0.75	ppbv	
26) Hexane	5.85	57	37662	0.24	ppbv #	40
27) Carbon Disulfide	4.69	76	14692	0.11	ppbv #	39
29) Chloroform	5.92	83	68688	0.30	ppbv	91

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

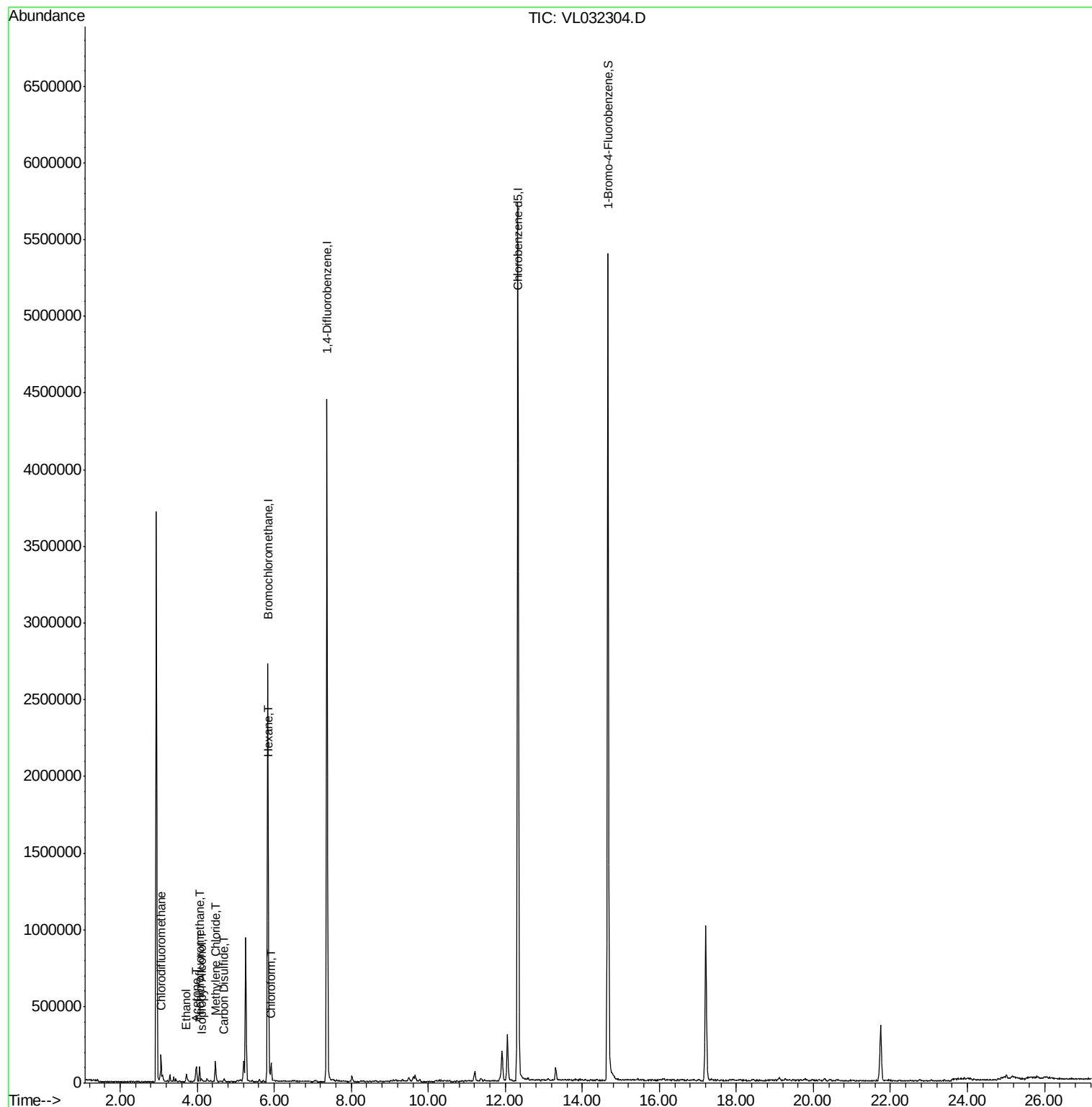
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL071918\
Data File : VL032304.D
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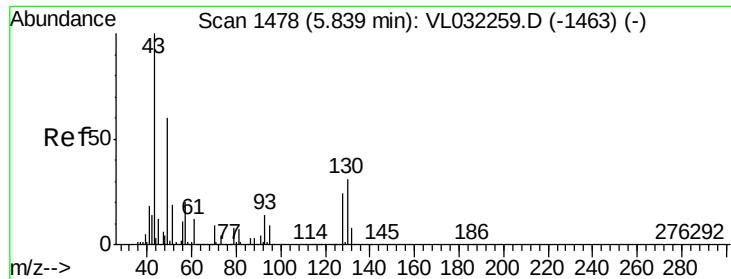
Instrument :
MSVOA_L
ClientSampleId :
AIR-01DL

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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: VL032304.D

Acq: 20 Jul 2018 1:34

Instrument :

MSVOA_L

ClientSampleId :

AIR-01DL

Tot Ion: 49 Resp: 1480498

Ion Ratio Lower Upper

49 100

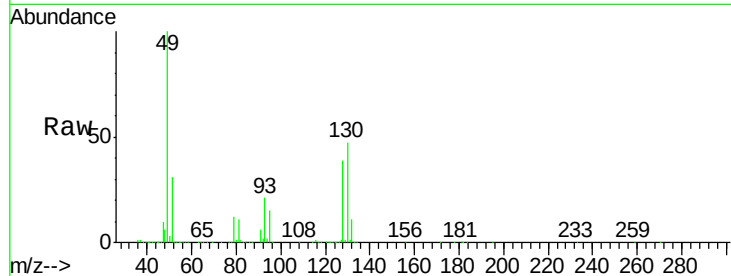
128 39.8 20.1 60.2

130 50.6 25.9 77.6

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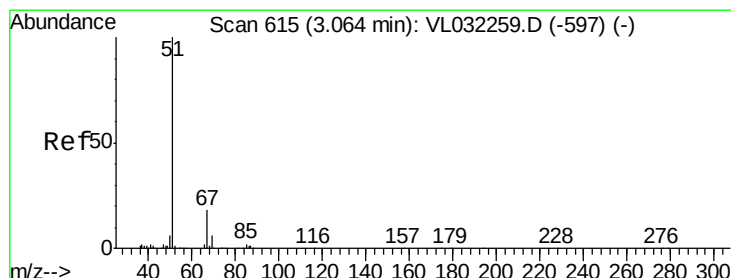
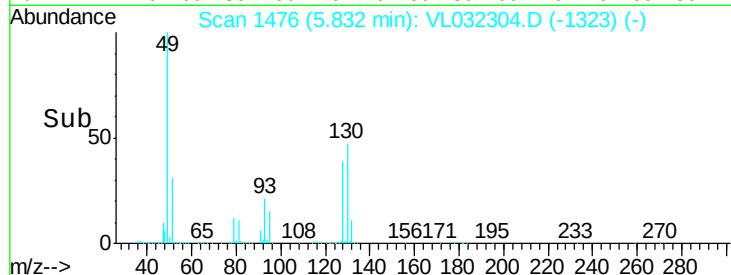
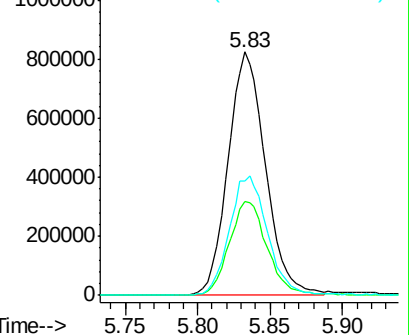
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#3

Chlorodifluoromethane

Concen: 1.03 ppbv

RT: 3.06 min Scan# 615

Delta R.T. -0.00 min

Lab File: VL032304.D

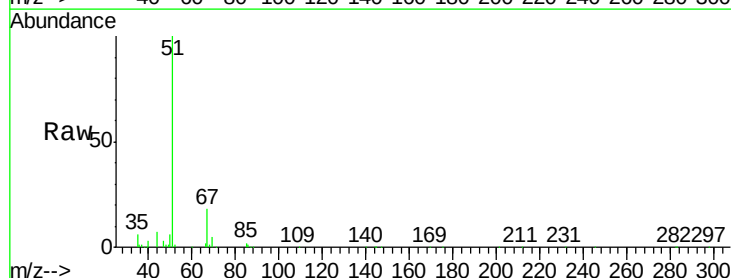
Acq: 20 Jul 2018 1:34

Tgt Ion: 51 Resp: 170713

Ion Ratio Lower Upper

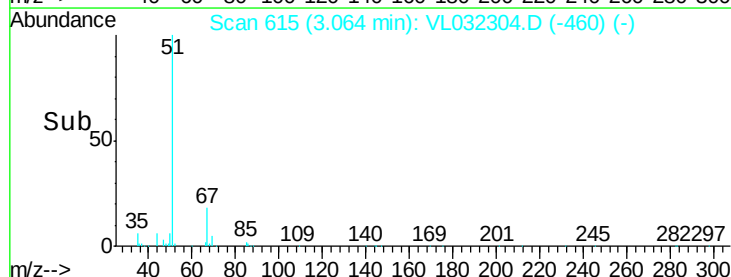
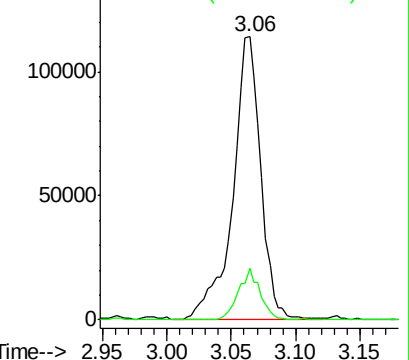
51 100

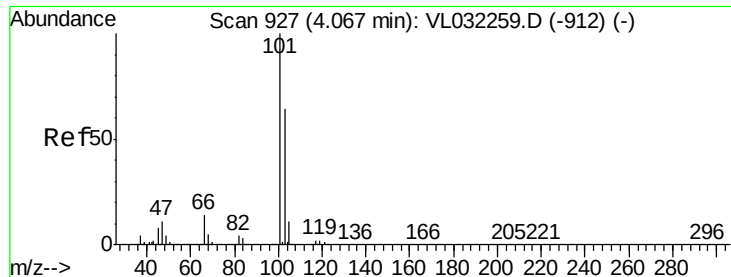
67 14.4 14.2 21.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





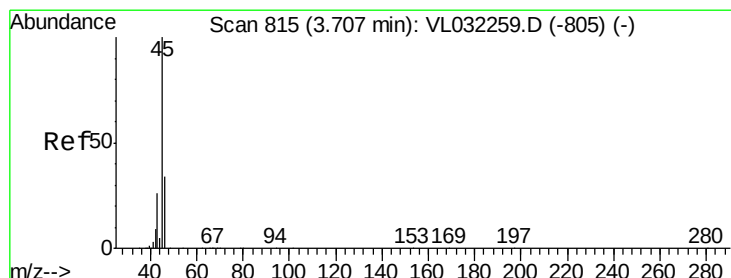
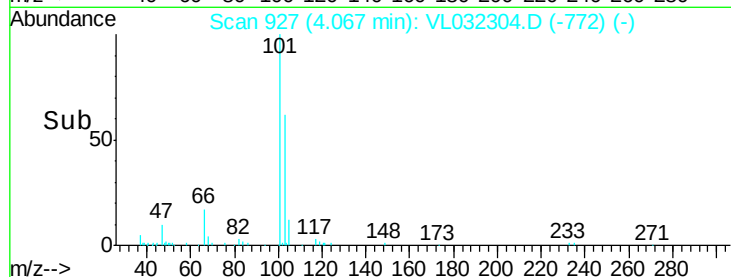
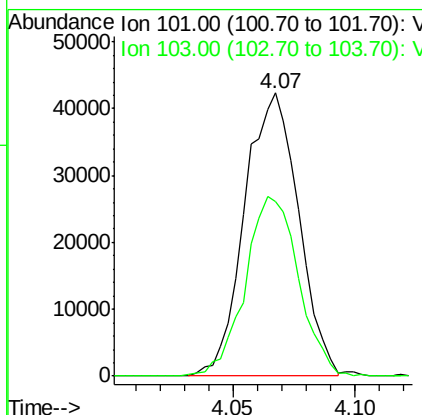
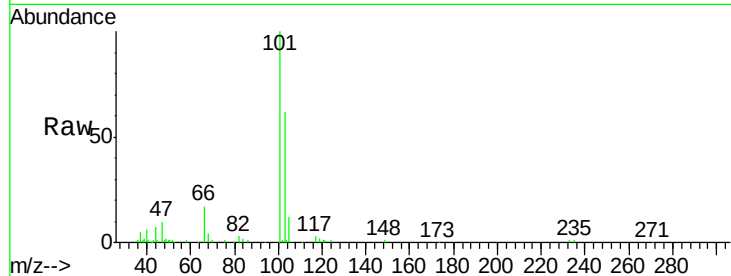
#11
Trichlorofluoromethane
Concen: 0.33 ppbv
RT: 4.07 min Scan# 927
Delta R.T. -0.00 min
Lab File: VL032304.D
Acq: 20 Jul 2018 1:34

Instrument :
MSVOA_L
ClientSampleId :
AIR-01DL

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.0	51.5	77.3

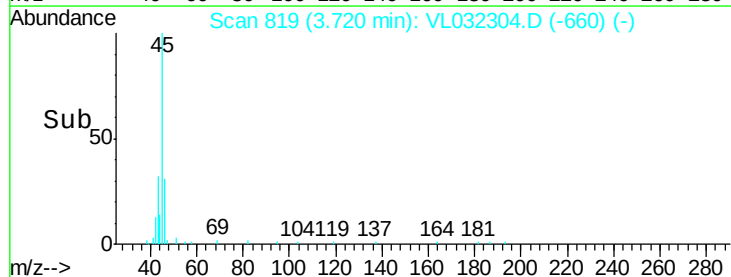
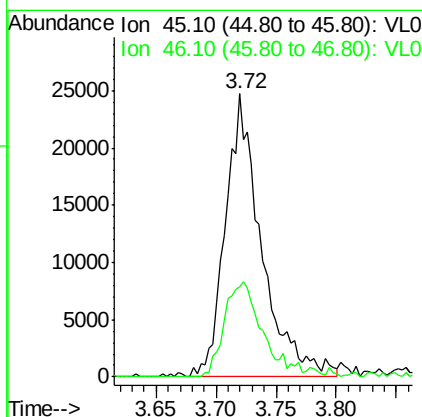
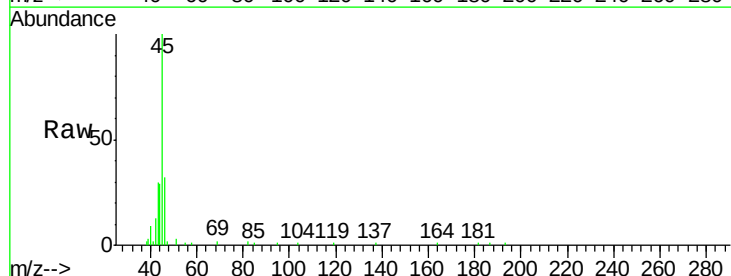
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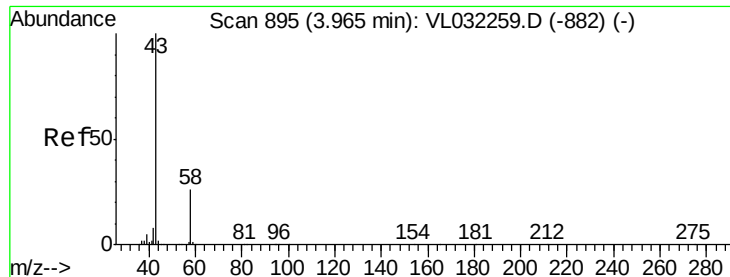
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#13
Ethanol
Concen: 2.47 ppbv m
RT: 3.72 min Scan# 819
Delta R.T. 0.01 min
Lab File: VL032304.D
Acq: 20 Jul 2018 1:34

Tgt Ion	Ratio	Lower	Upper
45	100		
46	37.0	15.2	60.8





#15

Acetone

Concen: 0.65 ppbv

RT: 3.97 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL032304.D

Acq: 20 Jul 2018 1:34

Tot Ion: 43 Resp: 99957

Ion Ratio Lower Upper

43 100

58 22.8 21.8 32.6

Instrument :

MSVOA_L

ClientSampleId :

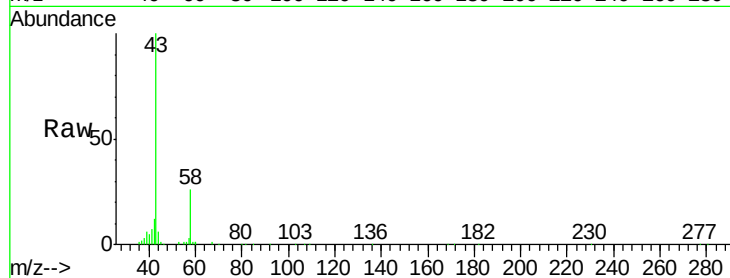
AIR-01DL

Manual Integrations

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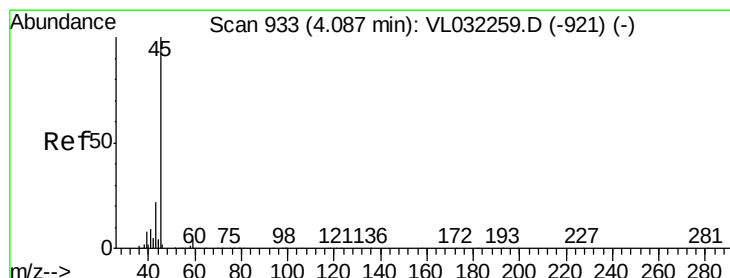
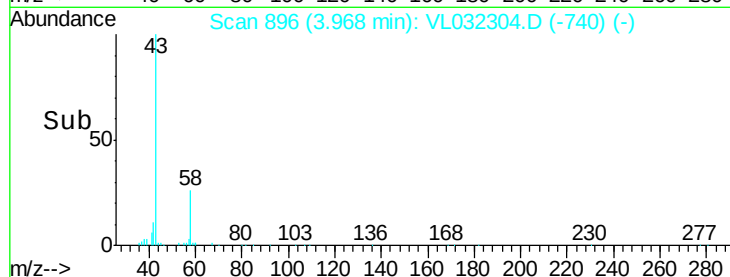
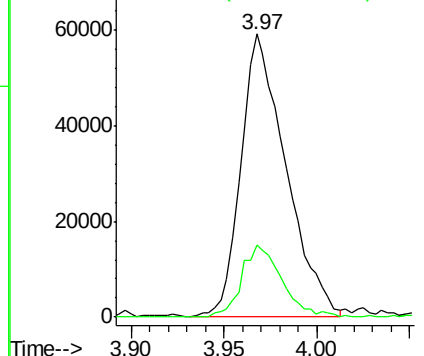
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#19

Isopropyl Alcohol

Concen: 0.16 ppbv m

RT: 4.11 min Scan# 941

Delta R.T. 0.03 min

Lab File: VL032304.D

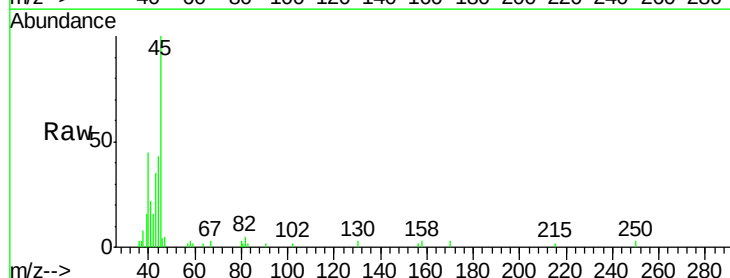
Acq: 20 Jul 2018 1:34

Tgt Ion: 45 Resp: 17104

Ion Ratio Lower Upper

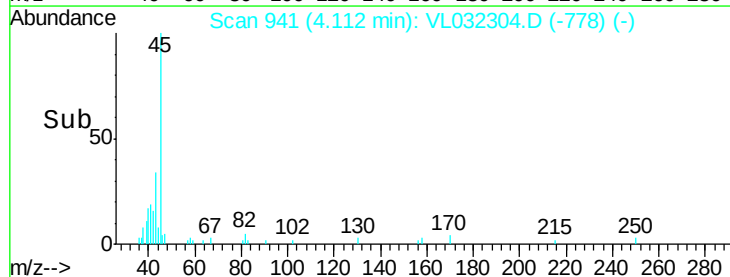
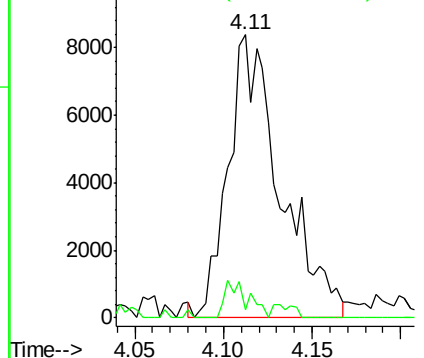
45 100

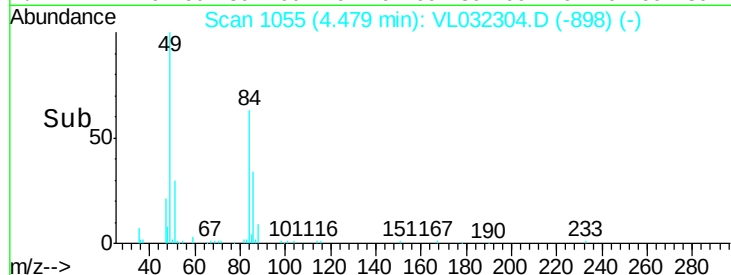
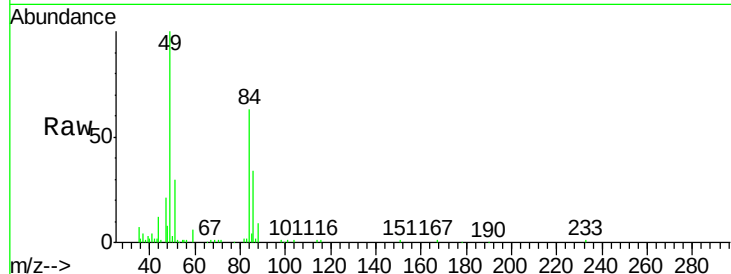
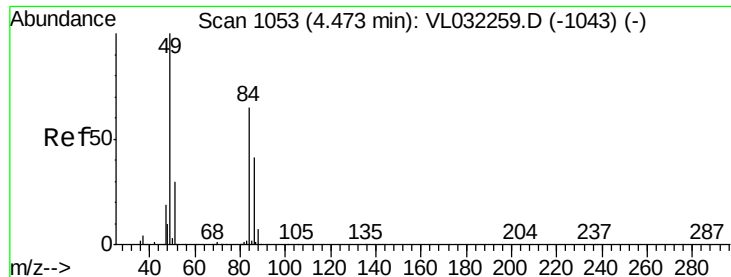
58 7.7 1.5 2.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





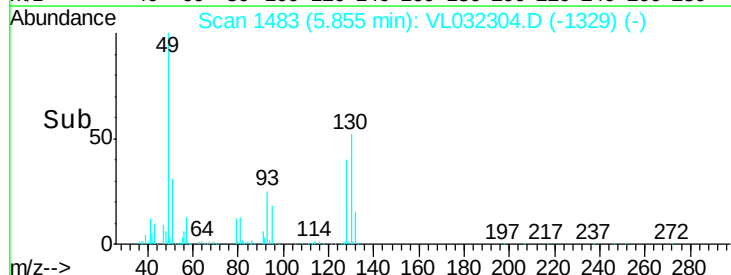
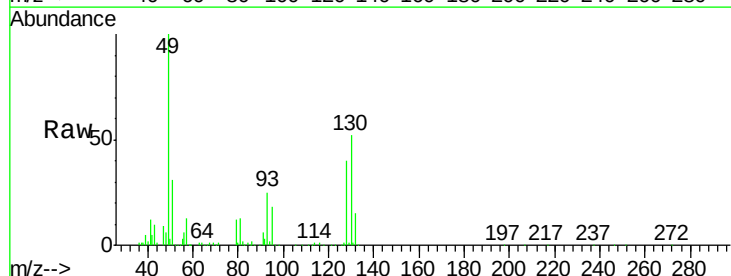
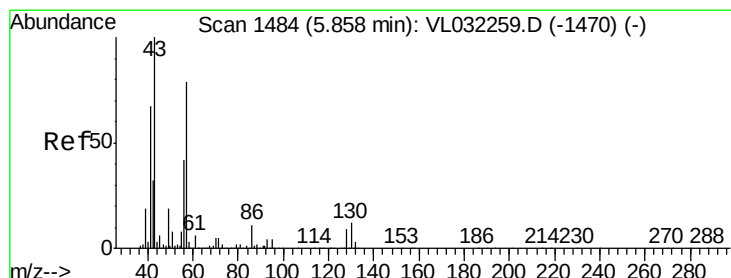
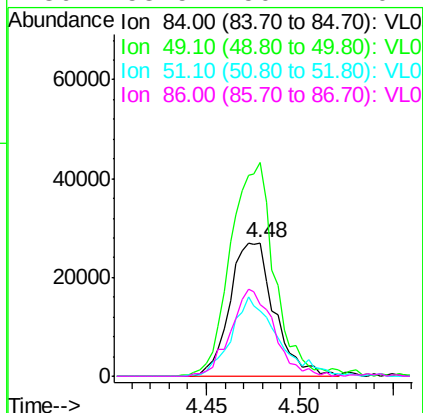
#20
Methvlene Chloride
Concen: 0.75 ppbv m
RT: 4.48 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VL032304.D
Acq: 20 Jul 2018 1:34

Tot Ion:	84	Resp:	44928
Ion	Ratio	Lower	Upper
84	100		
49	159.7	122.4	183.6
51	48.5	36.8	55.2
86	53.5	50.7	76.1

Instrument :
MSVOA_L
ClientSampleId :
AIR-01DL

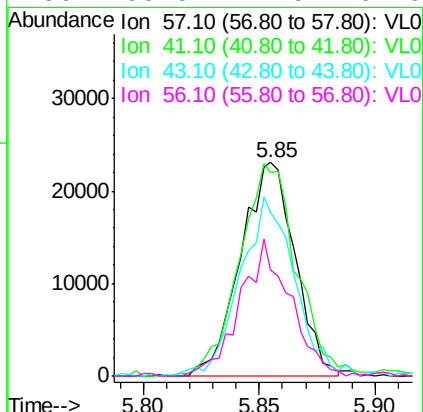
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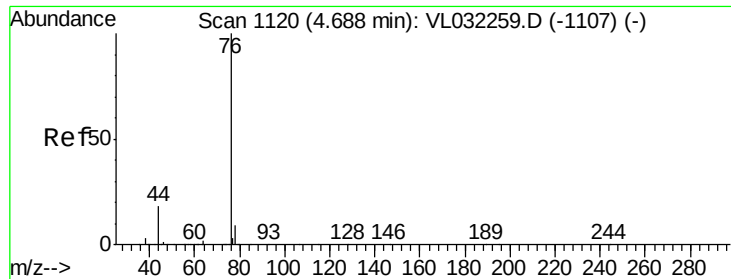
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#26
Hexane
Concen: 0.24 ppbv
RT: 5.85 min Scan# 1483
Delta R.T. -0.00 min
Lab File: VL032304.D
Acq: 20 Jul 2018 1:34

Tgt Ion:	57	Resp:	37662
Ion	Ratio	Lower	Upper
57	100		
41	110.0	67.9	101.9#
43	84.8	175.9	263.9#
56	59.0	41.9	62.9





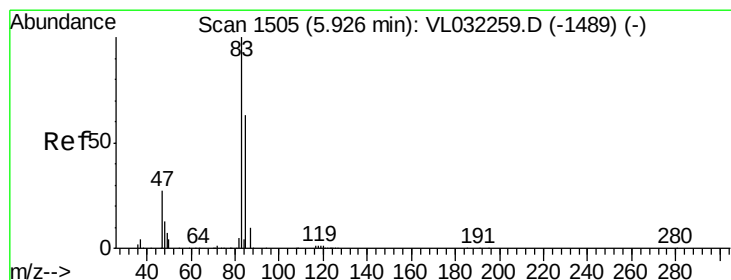
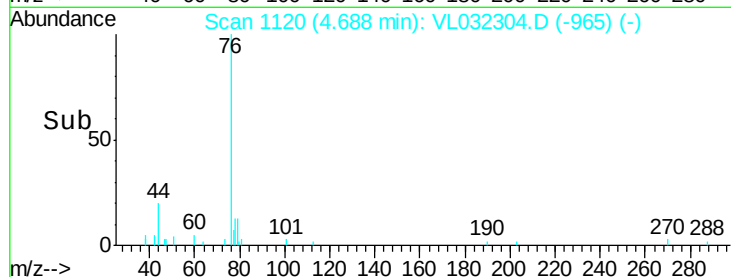
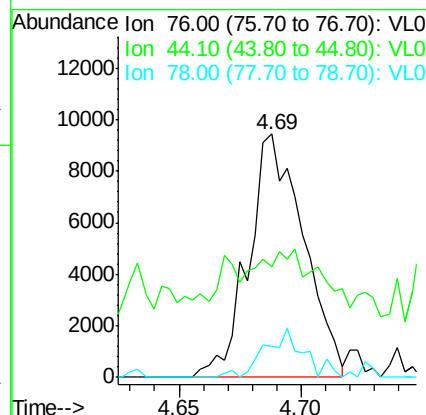
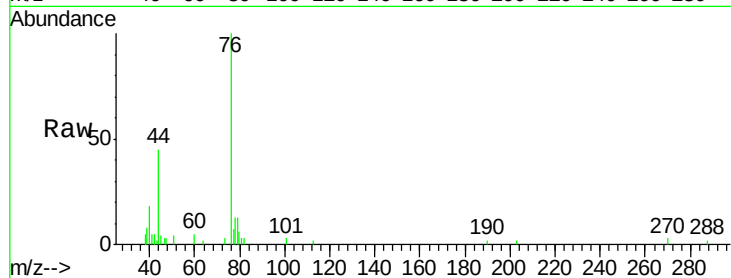
#27
Carbon Disulfide
Concen: 0.11 ppbv
RT: 4.69 min Scan# 1120
Delta R.T. -0.00 min
Lab File: VL032304.D
Acq: 20 Jul 2018 1:34

Instrument :
MSVOA_L
ClientSampleId :
AIR-01DL

Tot Ion	Ratio	Lower	Upper
76	100		
44	54.4	14.3	21.5#
78	15.8	7.4	11.0#

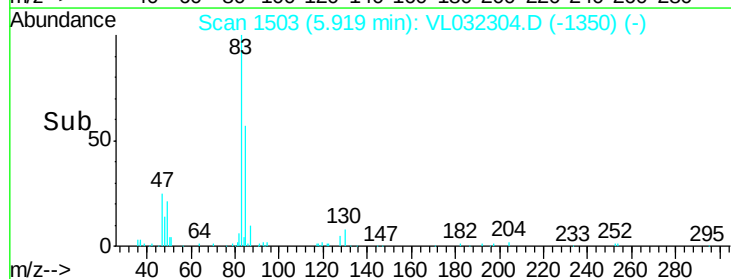
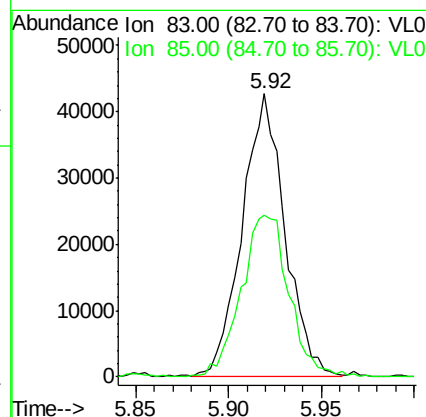
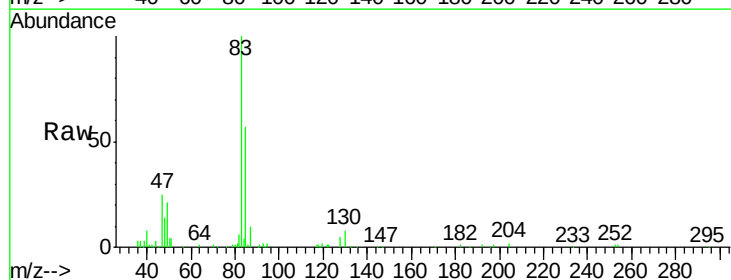
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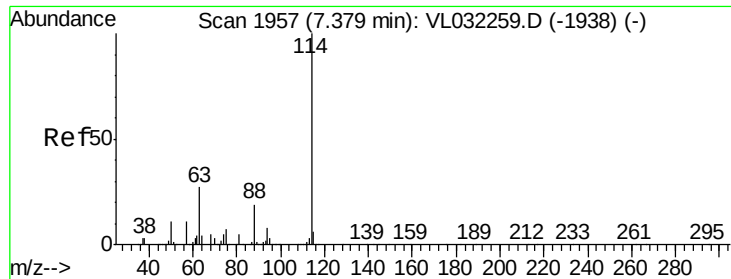
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#29
Chloroform
Concen: 0.30 ppbv
RT: 5.92 min Scan# 1503
Delta R.T. -0.01 min
Lab File: VL032304.D
Acq: 20 Jul 2018 1:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	56.5	50.7	76.1





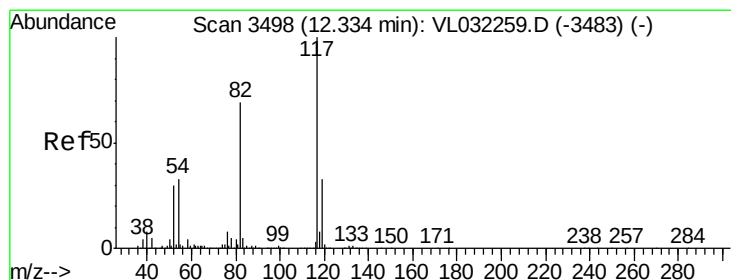
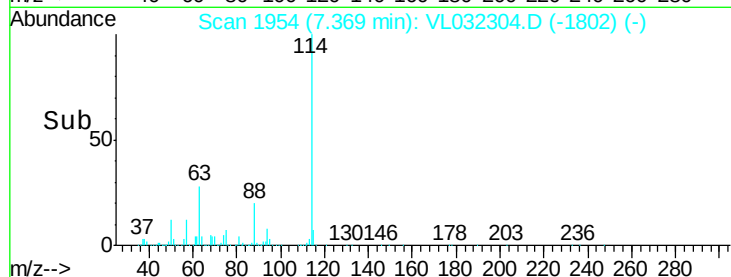
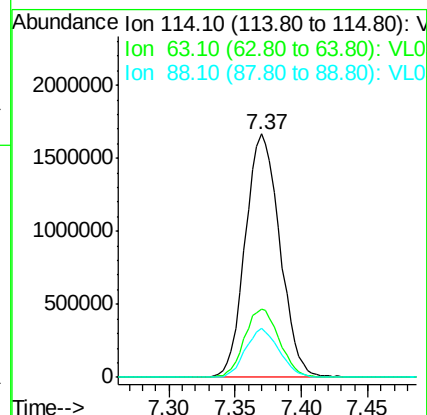
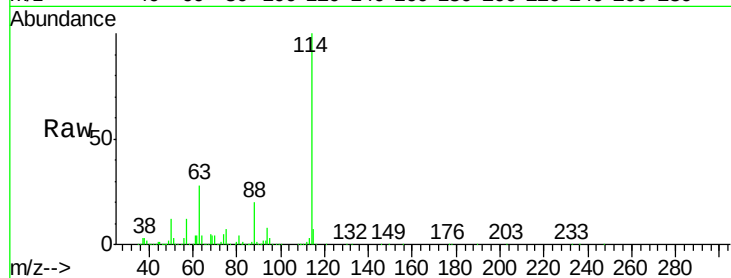
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.37 min Scan# 1954
 Delta R.T. -0.01 min
 Lab File: VL032304.D
 Acq: 20 Jul 2018 1:34

Instrument :
 MSVOA_L
 ClientSampleId :
 AIR-01DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.4	22.6	33.8
88	19.4	15.2	22.8

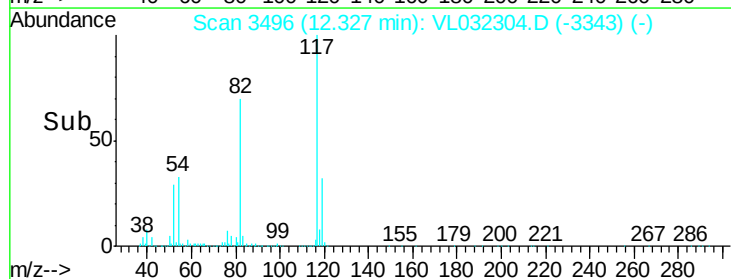
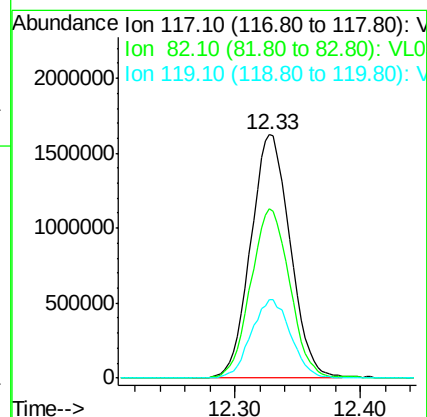
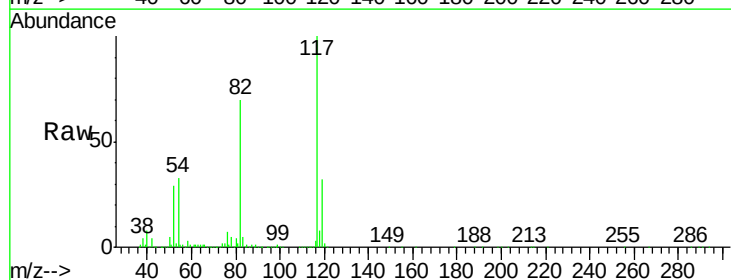
Manual Integrations
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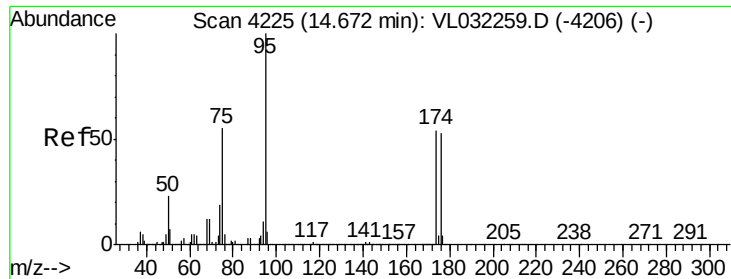
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#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.33 min Scan# 3496
 Delta R.T. -0.01 min
 Lab File: VL032304.D
 Acq: 20 Jul 2018 1:34

Tgt Ion	Ratio	Lower	Upper
117	100		
82	69.6	53.9	80.9
119	32.6	25.5	38.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.69 ppbv
 RT: 14.66 min Scan# 4223
 Delta R.T. -0.01 min
 Lab File: VL032304.D
 Acq: 20 Jul 2018 1:34

Instrument :
 MSVOA_L
 ClientSampleId :
 AIR-01DL

Tot Ion: 95 Resp: 2790249
 Ion Ratio Lower Upper
 95 100
 174 56.0 44.3 66.5
 175 3.9 3.3 4.9

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