

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070518\
 Data File : VL032220.D
 Acq On : 6 Jul 2018 1:53
 Operator : SY/AP
 Sample : J3762-13 0.4 PPB LOD
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2018

Manual Integrations
 APPROVED

MMDadoda
 7/9/2018 10:47:46 AM

Quant Time: Jul 06 12:28:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 29 2018
 QLast Update : Fri Jun 29 22:27:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1592177	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.38	114	4146441	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.33	117	3942063	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3052946	10.13	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.73	45	13253m	0.48	ppbv	
40) 1,4-Dioxane	8.10	88	24937m	0.40	ppbv	
66) Benzyl Chloride	17.25	91	73919m	0.17	ppbv	
80) Naphthalene,2-methyl-	25.20	142	7655	0.04	ppbv	100

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

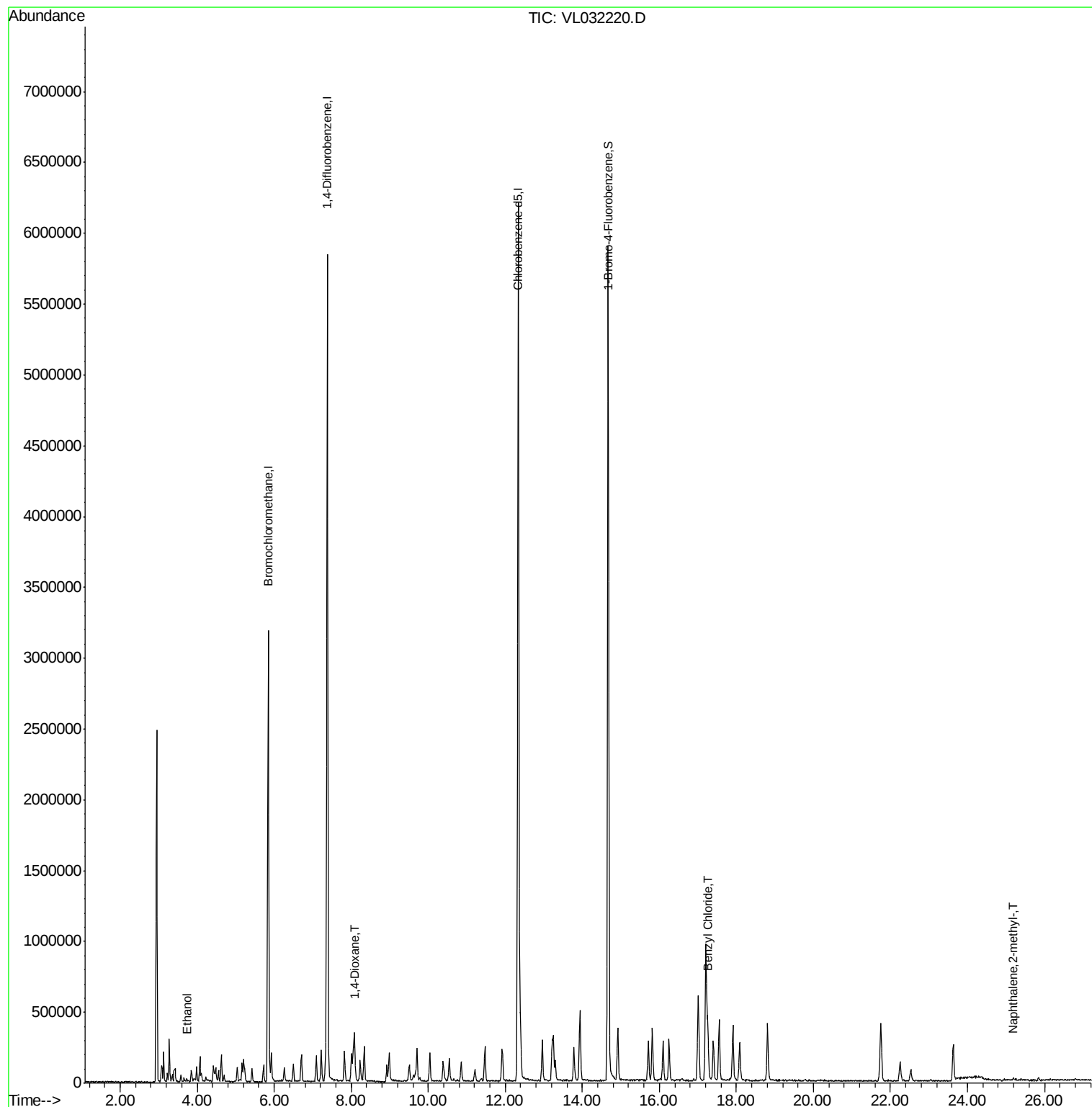
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL070518\
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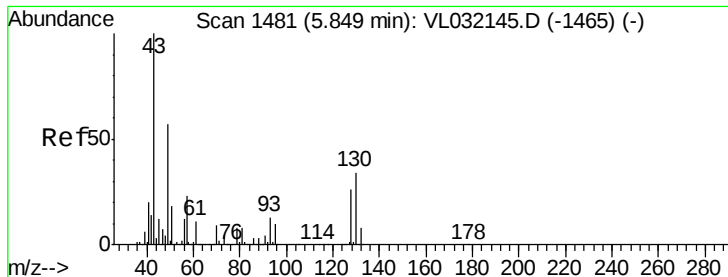
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL062918AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun
QLast Update : Fri Jun 29 22:27:58 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.84 min Scan# 1478

Delta R.T. -0.02 min

Lab File: VL032220.D

Acq: 6 Jul 2018 1:53

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2018

Tot Ion: 49 Resp: 1592177

Ion Ratio Lower Upper

49 100

128 42.3 23.4 70.0

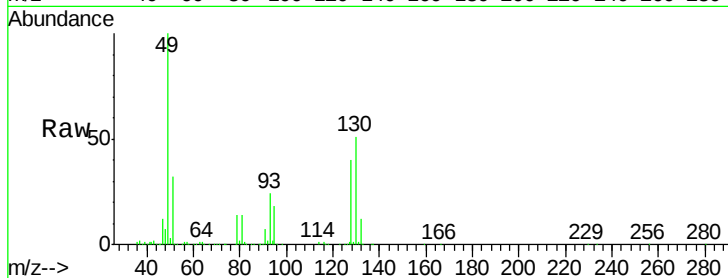
130 53.8 30.3 90.9

Manual Integrations

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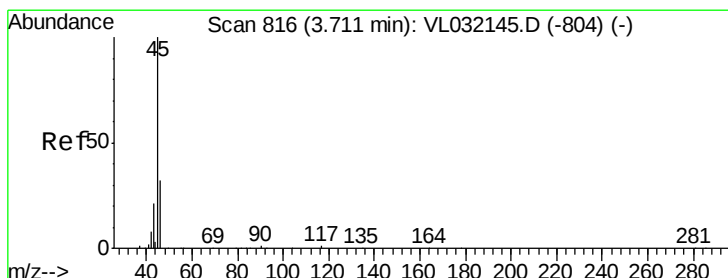
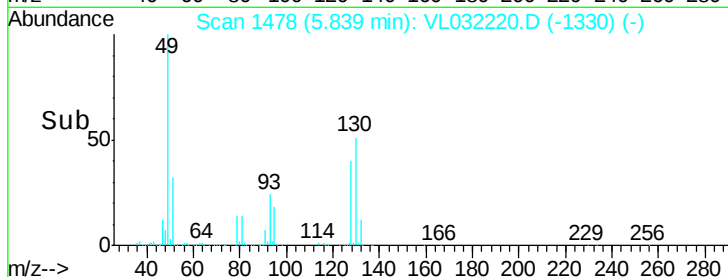
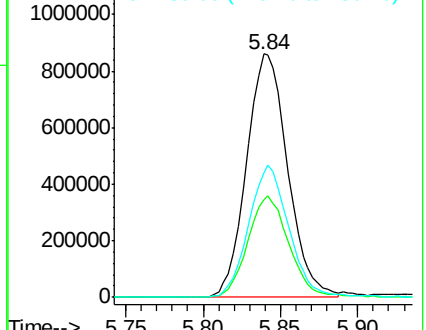
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#13

Ethanol

Concen: 0.48 ppbv m

RT: 3.73 min Scan# 823

Delta R.T. 0.01 min

Lab File: VL032220.D

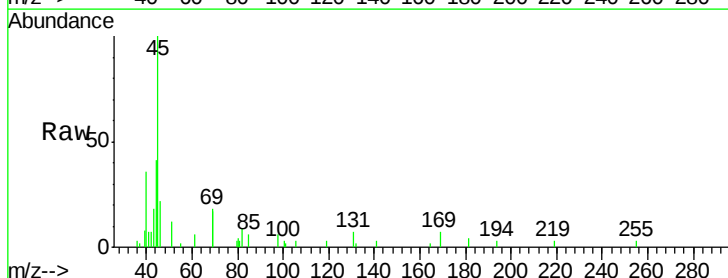
Acq: 6 Jul 2018 1:53

Tgt Ion: 45 Resp: 13253

Ion Ratio Lower Upper

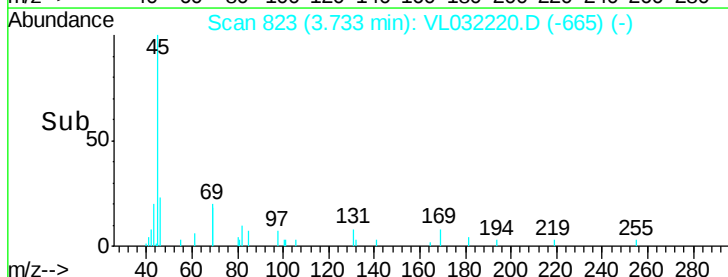
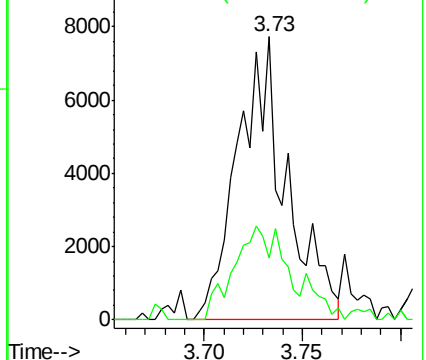
45 100

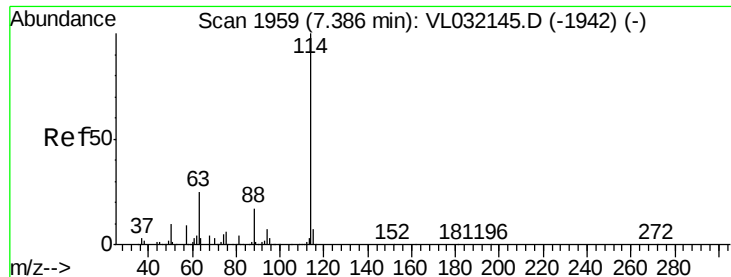
46 0.0 14.6 58.4#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





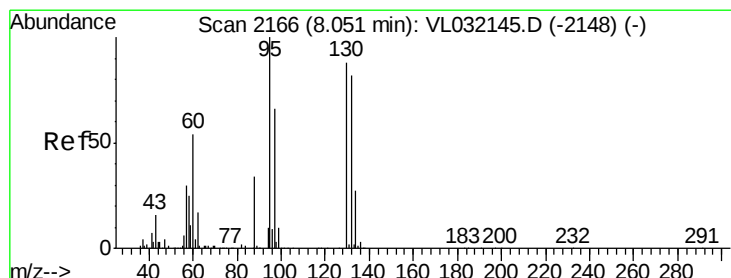
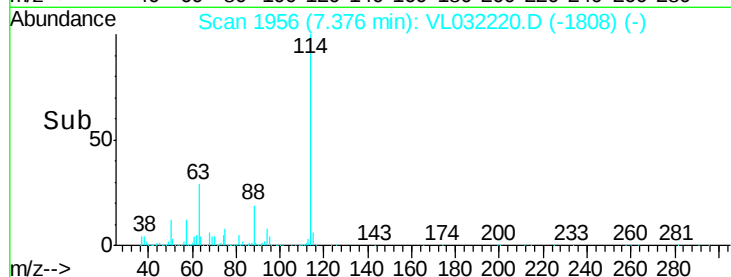
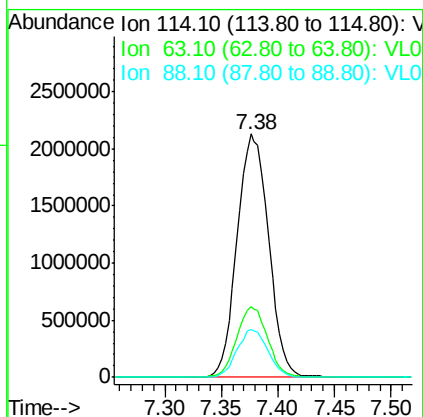
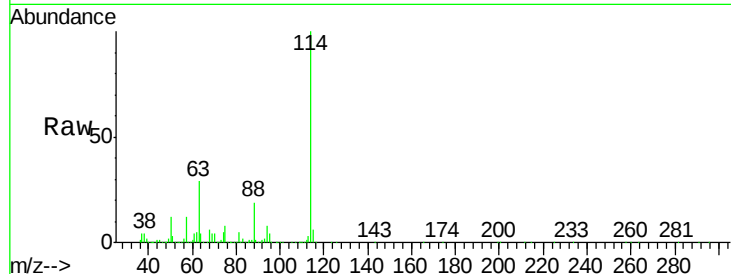
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.38 min Scan# 1956
 Delta R.T. -0.02 min
 Lab File: VL032220.D
 Acq: 6 Jul 2018 1:53

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.4	19.1	28.7
88	19.2	13.9	20.9

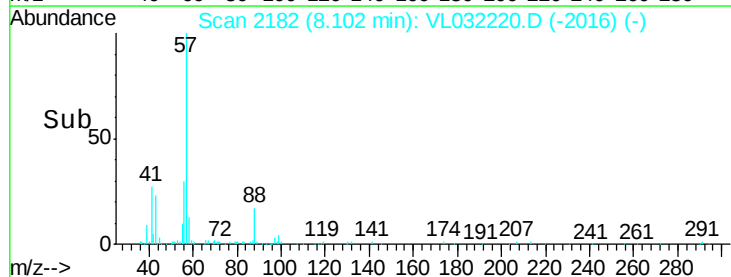
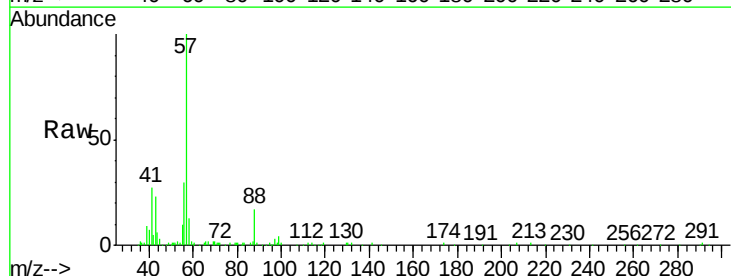
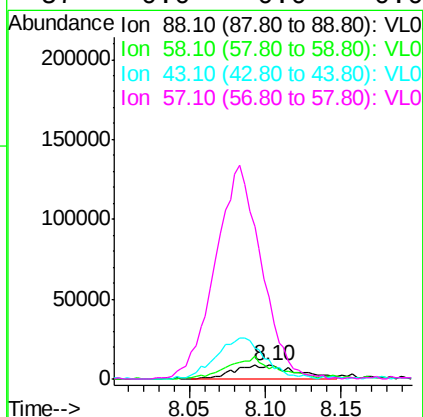
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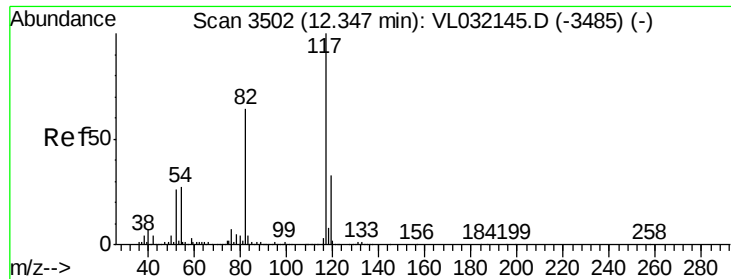
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#40
 1,4-Dioxane
 Concen: 0.40 ppbv m
 RT: 8.10 min Scan# 2182
 Delta R.T. 0.04 min
 Lab File: VL032220.D
 Acq: 6 Jul 2018 1:53

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	47.4	71.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





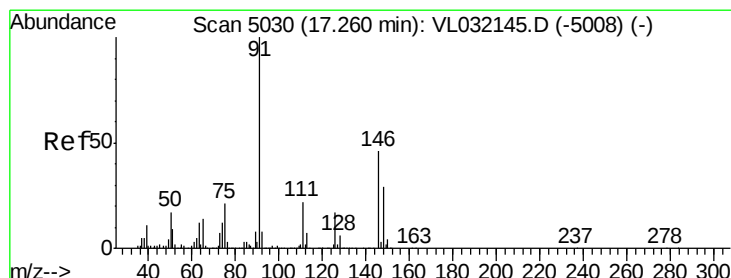
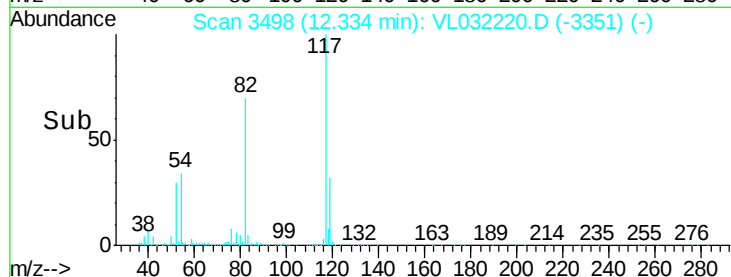
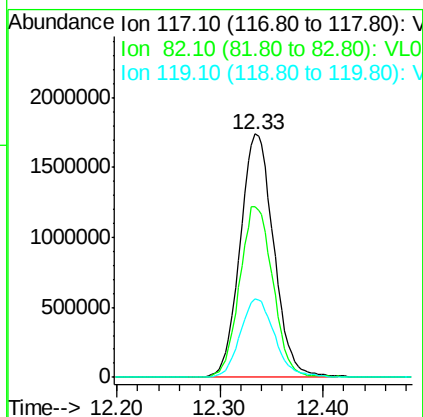
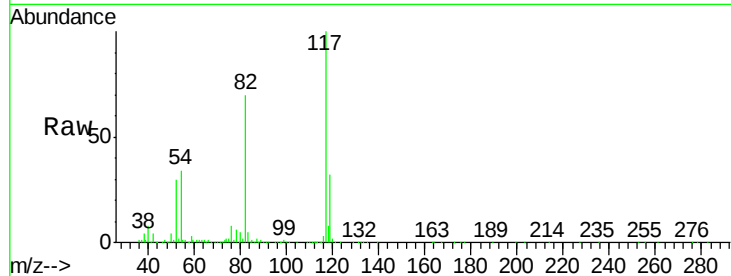
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.33 min Scan# 3498
Delta R.T. -0.03 min
Lab File: VL032220.D
Acq: 6 Jul 2018 1:53

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.9	47.8	71.8
119	33.2	43.3	64.9#

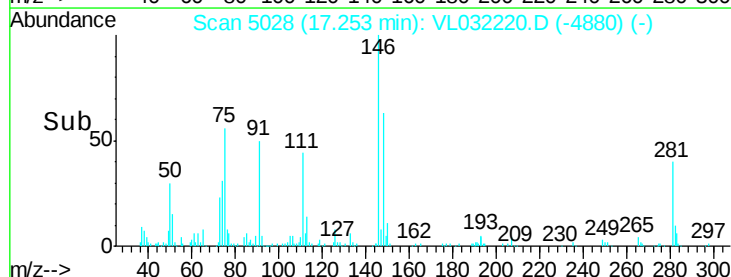
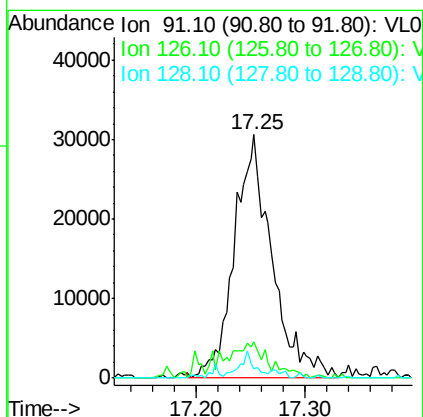
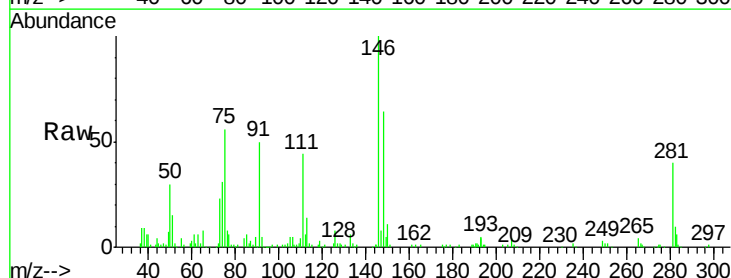
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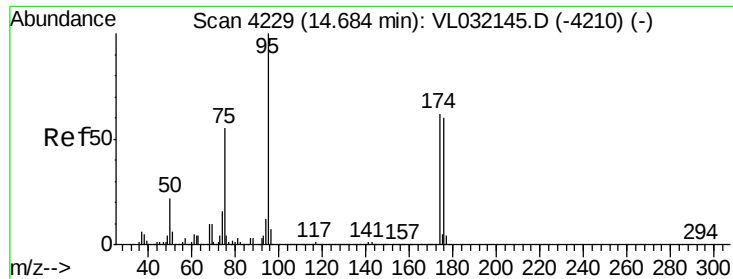
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#66
Benzyl Chloride
Concen: 0.17 ppbv m
RT: 17.25 min Scan# 5028
Delta R.T. -0.02 min
Lab File: VL032220.D
Acq: 6 Jul 2018 1:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	0.0	15.7	23.5#
128	0.0	5.2	7.8#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.13 ppbv

RT: 14.67 min Scan# 4225

Delta R.T. -0.03 min

Lab File: VL032220.D

Acq: 6 Jul 2018 1:53

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2018

Tot Ion: 95 Resp: 3052946

Ion Ratio Lower Upper

95 100

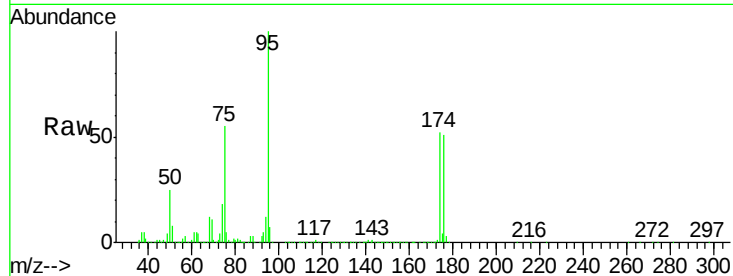
174 54.8 52.1 78.1

175 3.9 4.0 6.0#

Manual Integrations
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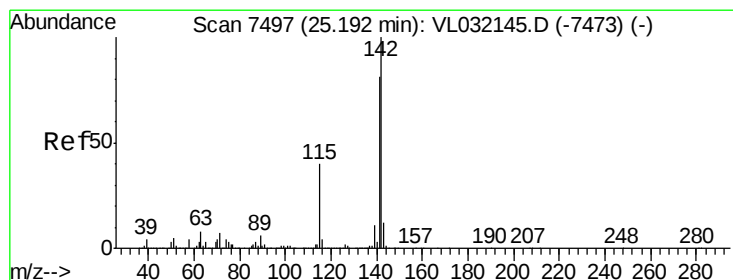
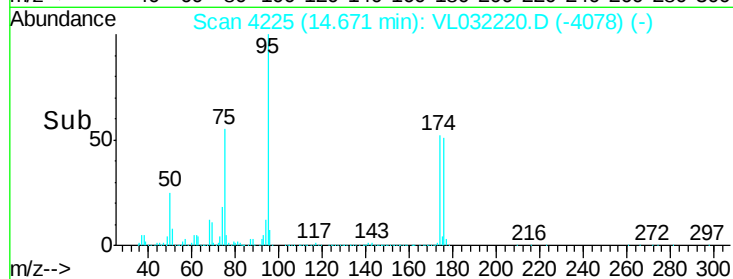
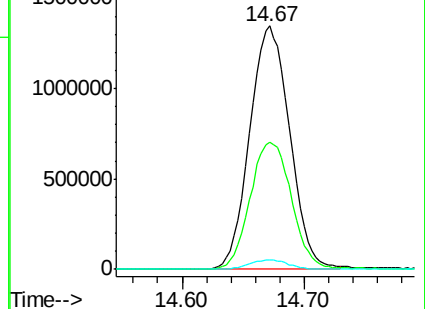
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Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



#80

Naphthalene, 2-methyl-

Concen: 0.04 ppbv

RT: 25.20 min Scan# 7499

Delta R.T. -0.01 min

Lab File: VL032220.D

Acq: 6 Jul 2018 1:53

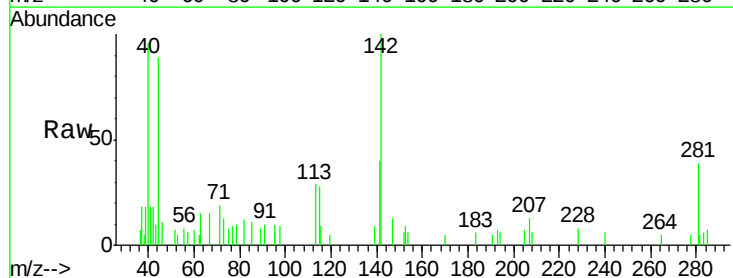
Tgt Ion: 142 Resp: 7655

Ion Ratio Lower Upper

142 100

141 82.3 65.8 98.6

115 36.8 29.4 44.0



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

