

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL012218\
 Data File : VL031433.D
 Acq On : 23 Jan 2018 2:04
 Operator : SY/AP
 Sample : J1089-08 0.025 MDL
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-1DL

Manual Integrations
 APPROVED

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 1/24/2018 5:10:33 PM

Quant Time: Jan 23 07:14:16 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL012218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 23 07:14:16 2018
 QLast Update : Mon Jan 22 17:52:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.91	49	1209087	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	2698591	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	2638308	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	2159292	10.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.41	62	2629	0.04	ppbv	# 71
35) Carbon Tetrachloride	7.28	117	7314m	0.03	ppbv	
38) Trichloroethene	8.12	130	3437m	0.04	ppbv	
52) Tetrachloroethene	11.53	164	2771m	0.03	ppbv	
63) 1,1,2,2-Tetrachloroethane	14.01	83	7033m	0.03	ppbv	

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

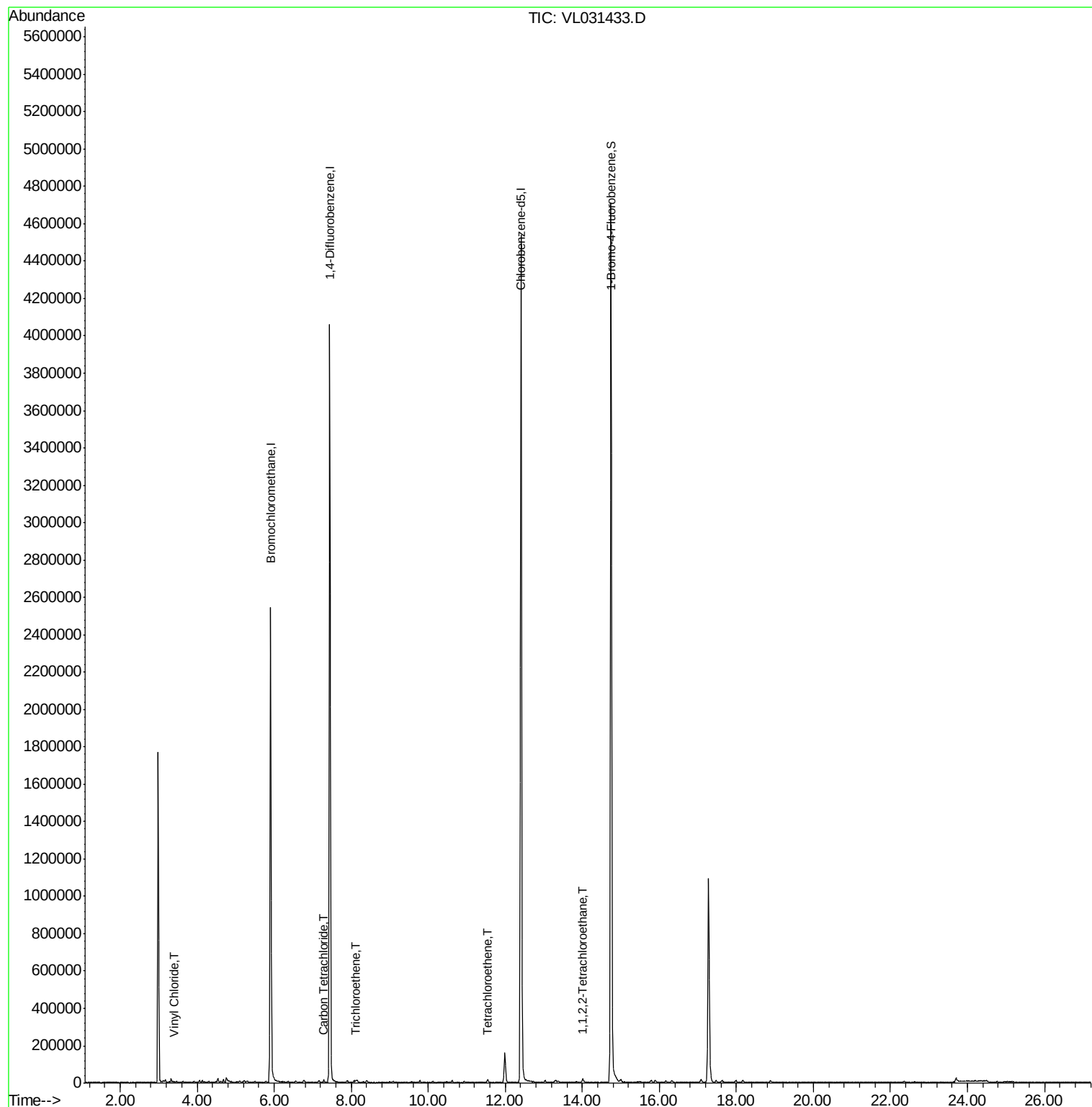
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL012218\
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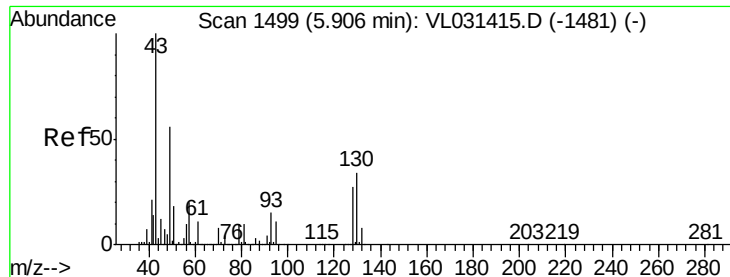
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-1DL

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Quant Time: Jan 23 07:14:16 2018
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL012218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan
QLast Update : Mon Jan 22 17:52:32 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.91 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VL031433.D

Acq: 23 Jan 2018 2:04

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-1DL

Tot Ion: 49 Resp: 1209087

Ion Ratio Lower Upper

49 100

128 45.2 23.5 70.6

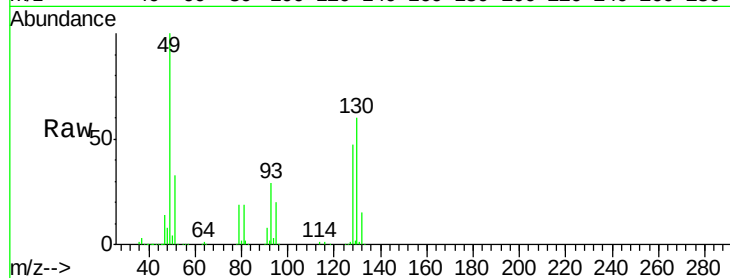
130 58.3 29.9 89.7

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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

800000

600000

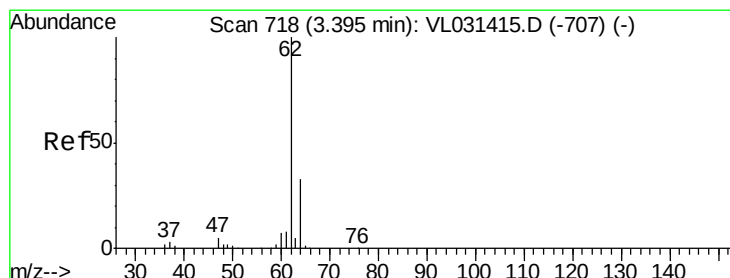
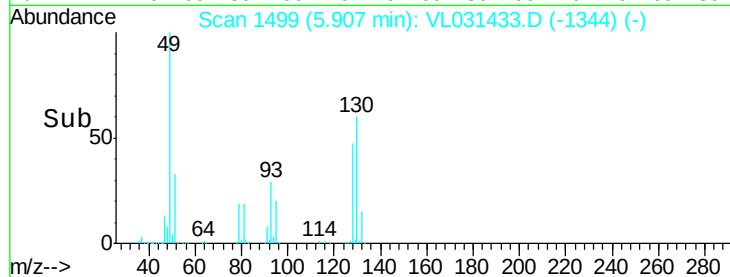
400000

200000

0

5.85 5.90 5.95 6.00

Time-->



#5

Vinyl Chloride

Concen: 0.04 ppbv

RT: 3.41 min Scan# 721

Delta R.T. 0.01 min

Lab File: VL031433.D

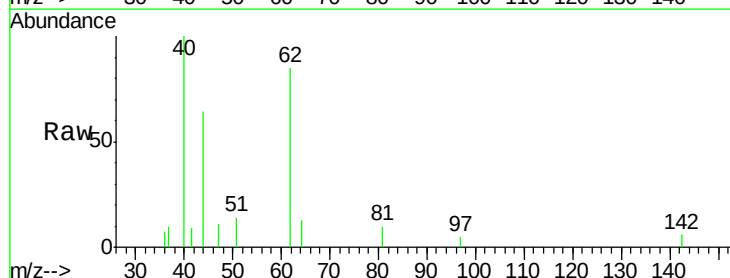
Acq: 23 Jan 2018 2:04

Tgt Ion: 62 Resp: 2629

Ion Ratio Lower Upper

62 100

64 15.7 25.4 38.0#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

2500

2000

1500

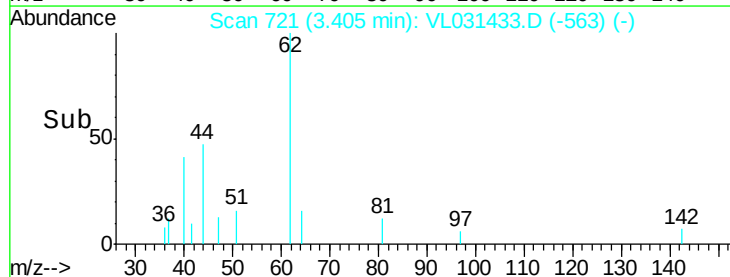
1000

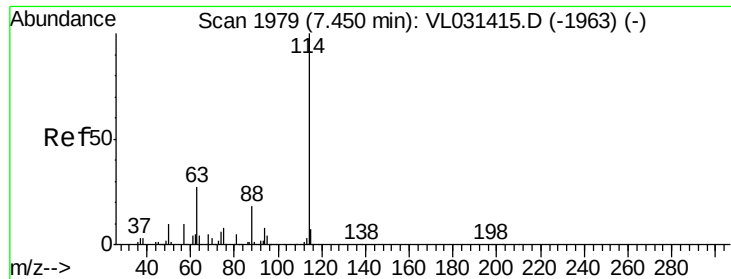
500

0

3.38 3.40 3.42 3.44

Time-->





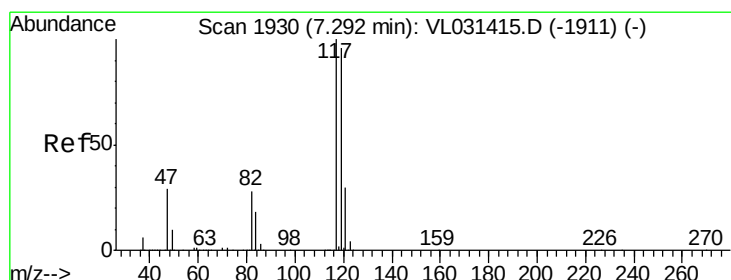
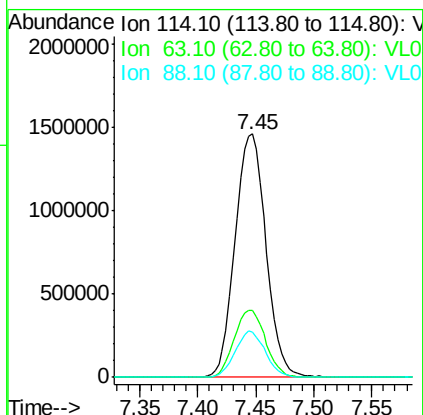
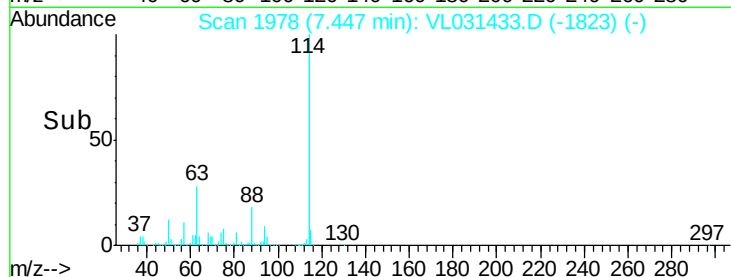
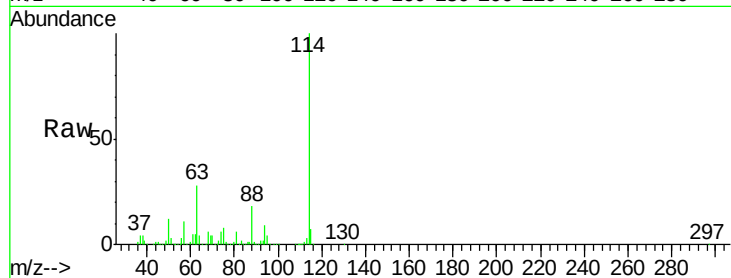
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.45 min Scan# 1978
 Delta R.T. -0.00 min
 Lab File: VL031433.D
 Acq: 23 Jan 2018 2:04

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-1DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.1	22.5	33.7
88	18.5	14.6	22.0

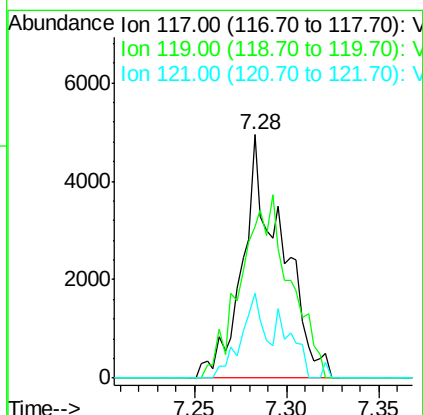
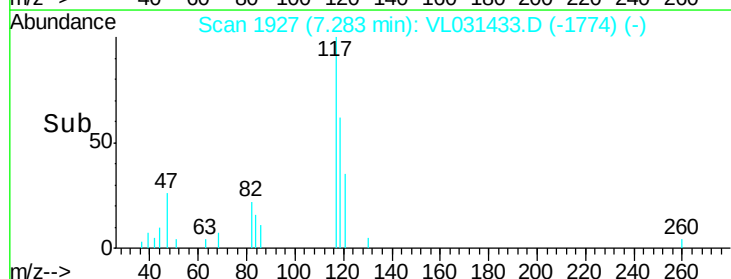
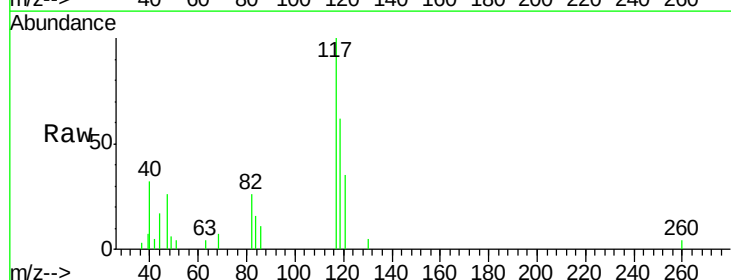
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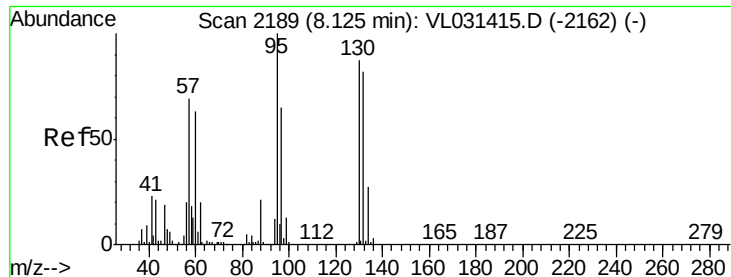
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#35
 Carbon Tetrachloride
 Concen: 0.03 ppbv m
 RT: 7.28 min Scan# 1927
 Delta R.T. -0.01 min
 Lab File: VL031433.D
 Acq: 23 Jan 2018 2:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	62.4	74.2	111.4#
121	35.0	24.2	36.4





#38

Trichloroethene

Concen: 0.04 ppbv m

RT: 8.12 min Scan# 2188

Delta R.T. -0.00 min

Lab File: VL031433.D

Acq: 23 Jan 2018 2:04

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-1DL

Tot Ion:130 Resp: 3437

Ion Ratio Lower Upper

130 100

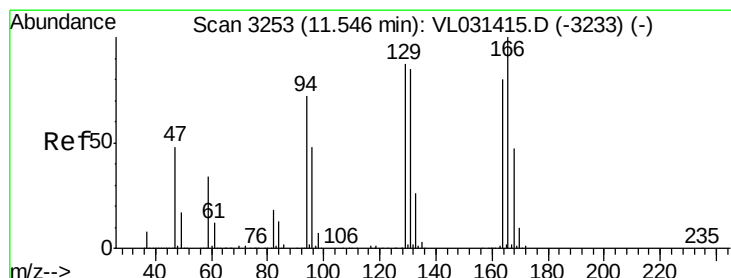
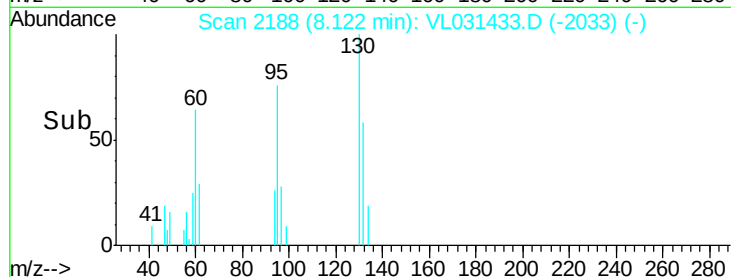
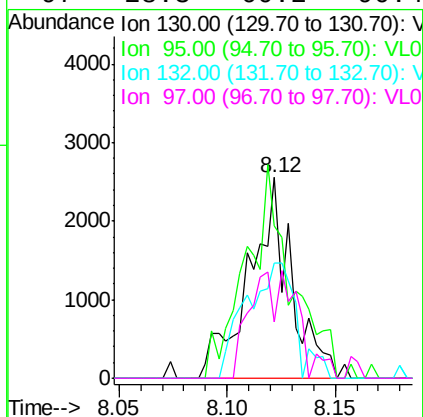
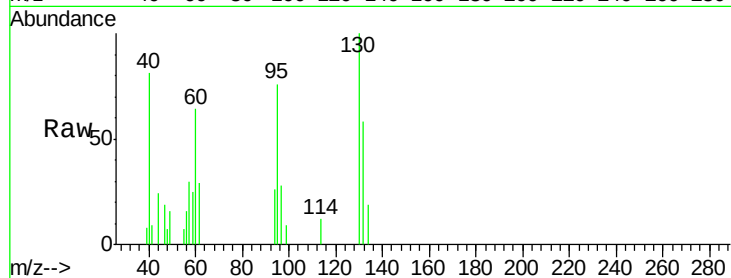
95 75.6 92.9 139.3#

132 57.7 74.9 112.3#

97 28.3 60.2 90.4#

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#52

Tetrachloroethene

Concen: 0.03 ppbv m

RT: 11.53 min Scan# 3248

Delta R.T. -0.02 min

Lab File: VL031433.D

Acq: 23 Jan 2018 2:04

Tgt Ion:164 Resp: 2771

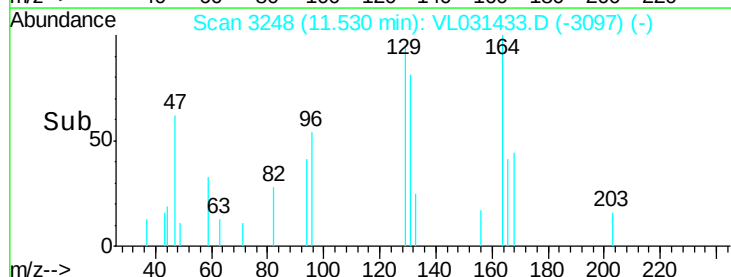
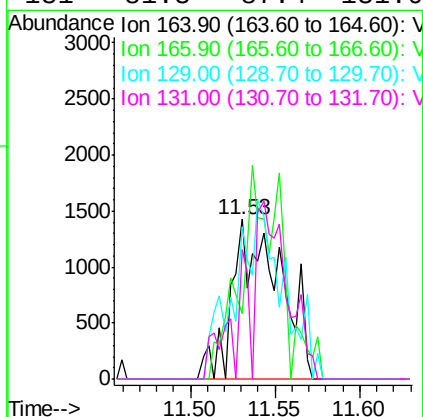
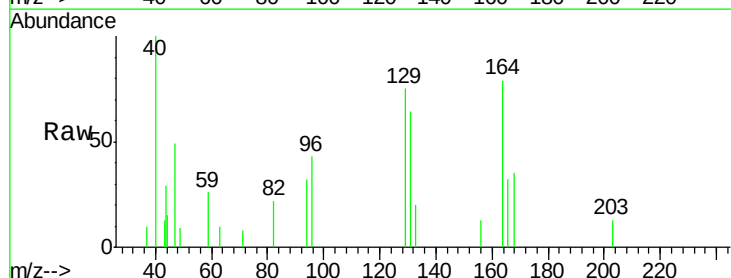
Ion Ratio Lower Upper

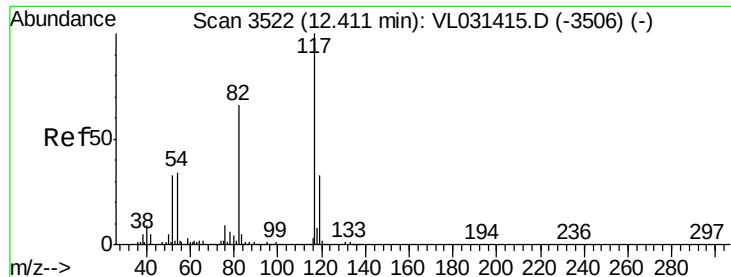
164 100

166 41.0 100.2 150.2#

129 95.2 91.4 137.0

131 81.3 87.4 131.0#





#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.41 min Scan# 3522

Delta R.T. -0.00 min

Lab File: VL031433.D

Acq: 23 Jan 2018 2:04

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-1DL

Tot Ion:117 Resp: 2638308

Ion Ratio Lower Upper

117 100

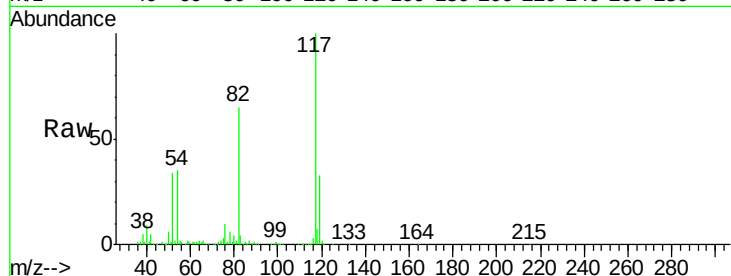
82 68.3 51.8 77.6

119 32.3 24.2 36.2

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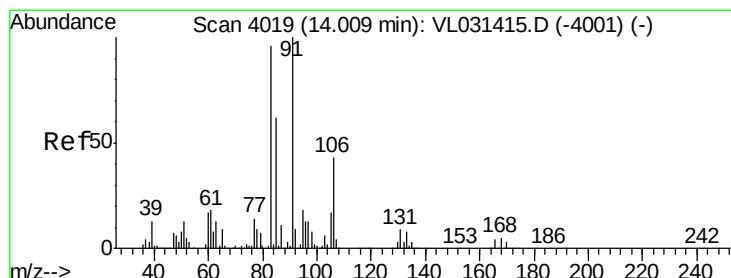
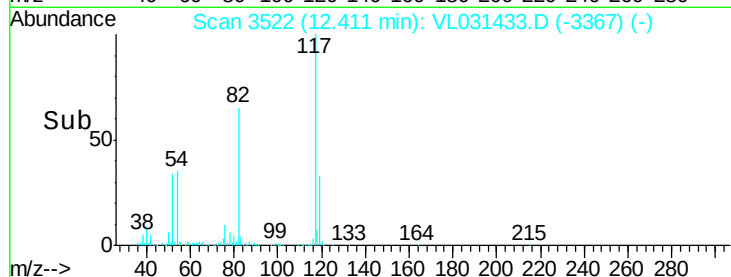
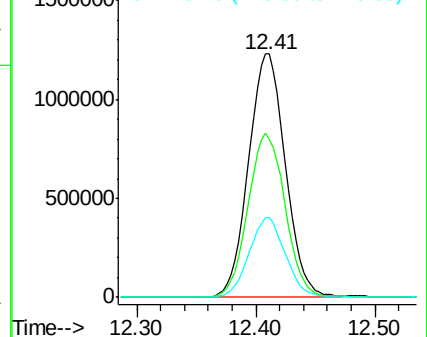
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#63

1,1,2,2-Tetrachloroethane

Concen: 0.03 ppbv m

RT: 14.01 min Scan# 4019

Delta R.T. 0.00 min

Lab File: VL031433.D

Acq: 23 Jan 2018 2:04

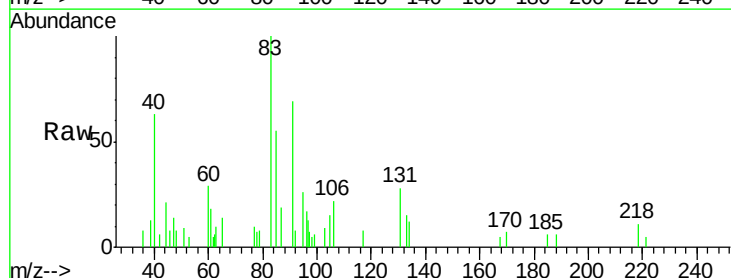
Tgt Ion: 83 Resp: 7033

Ion Ratio Lower Upper

83 100

131 3.1 4.8 14.3#

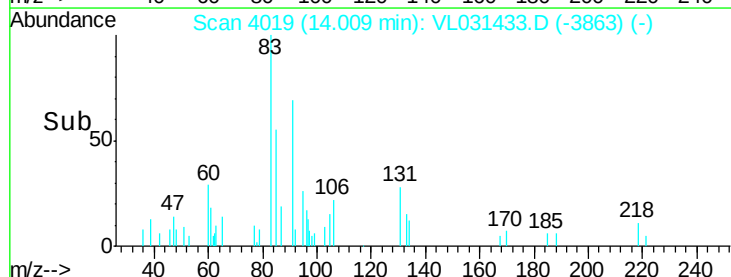
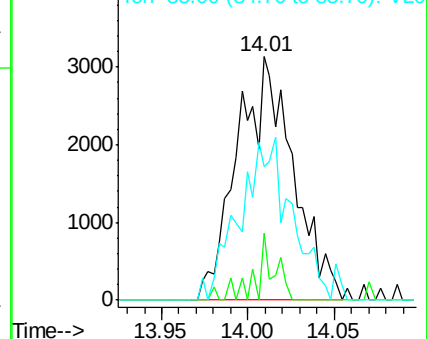
85 0.0 32.4 97.0#

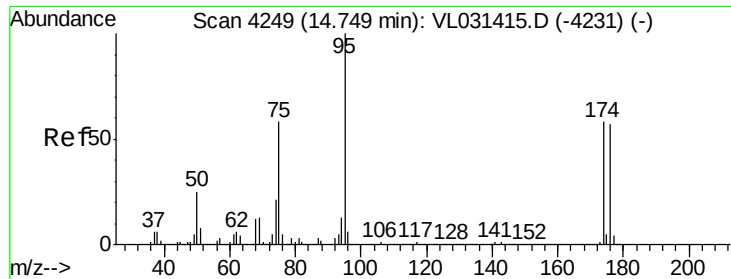


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.22 ppbv
 RT: 14.75 min Scan# 4248
 Delta R.T. -0.00 min
 Lab File: VL031433.D
 Acq: 23 Jan 2018 2:04

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-1DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	60.5	48.2	72.4
175	4.4	3.6	5.4

Manual Integrations
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