

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL012218\
 Data File : VL031438.D
 Acq On : 23 Jan 2018 5:04
 Operator : SY/AP
 Sample : J1089-13
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-6

Manual Integrations
 APPROVED

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 1/24/2018 5:10:39 PM

Quant Time: Jan 23 07:24:30 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL012218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 22 17:52:32 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	1197943	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	2827346	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	2710879	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	2277905	10.49	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.40	62	2358m	0.03	ppbv	
32) 1,1,1-Trichloroethane	6.77	97	6785m	0.03	ppbv	
35) Carbon Tetrachloride	7.29	117	7538m	0.03	ppbv	
52) Tetrachloroethene	11.55	164	3350m	0.04	ppbv	
63) 1,1,2,2-Tetrachloroethane	14.01	83	7347m	0.03	ppbv	

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

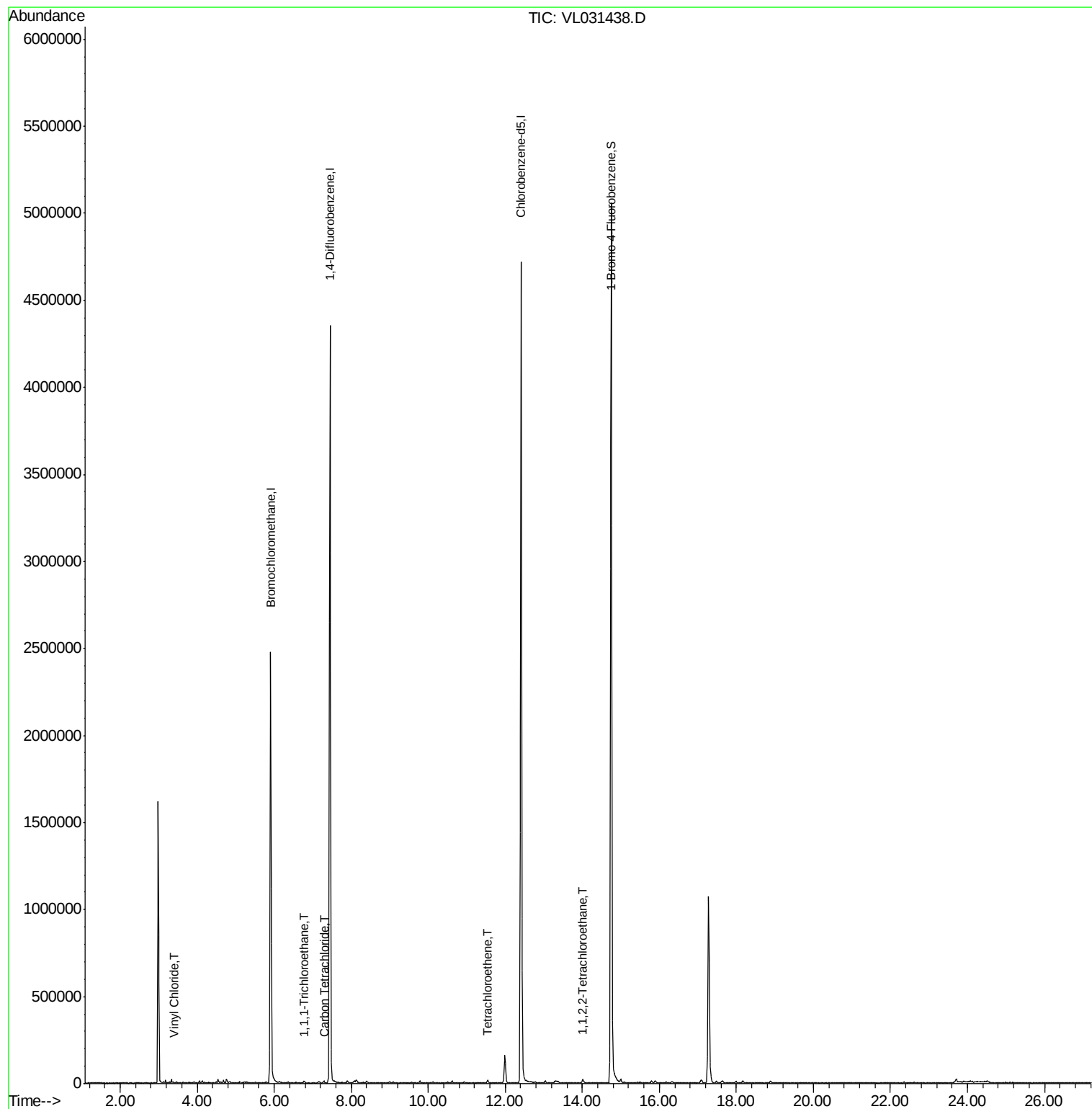
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL012218\
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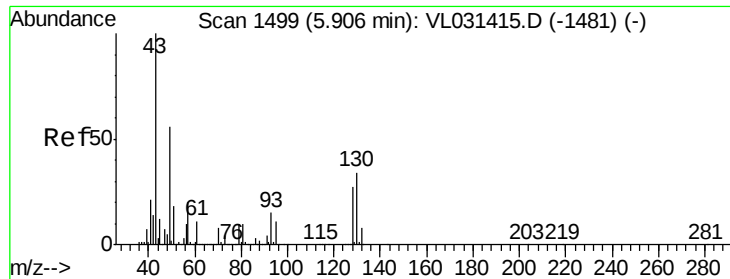
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

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Quant Time: Jan 23 07:24:30 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: VL031438.D

Acq: 23 Jan 2018 5:04

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-6

Tot Ion: 49 Resp: 1197943

Ion Ratio Lower Upper

49 100

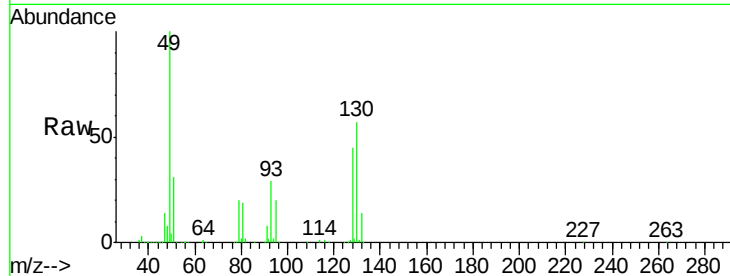
128 44.4 23.5 70.6

130 57.3 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): VL0

Ion 130.00 (129.70 to 130.70): VL0

800000

600000

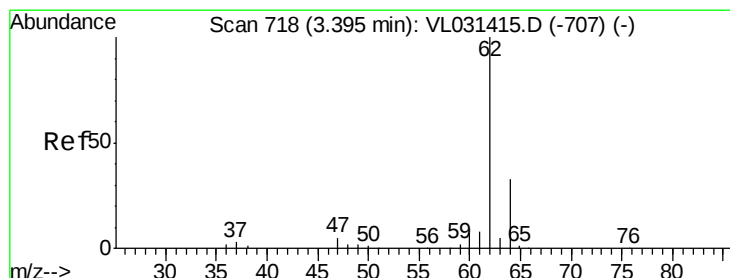
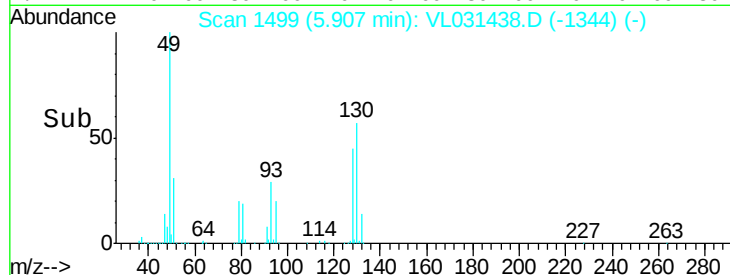
400000

200000

0

5.85 5.90 5.95 6.00

Time-->



#5

Vinyl Chloride

Concen: 0.03 ppbv m

RT: 3.40 min Scan# 718

Delta R.T. -0.00 min

Lab File: VL031438.D

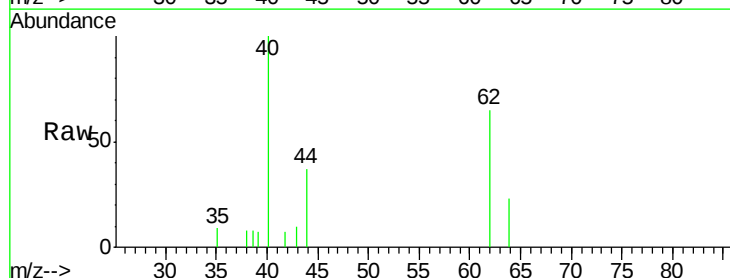
Acq: 23 Jan 2018 5:04

Tgt Ion: 62 Resp: 2358

Ion Ratio Lower Upper

62 100

64 35.6 25.4 38.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

2000

1500

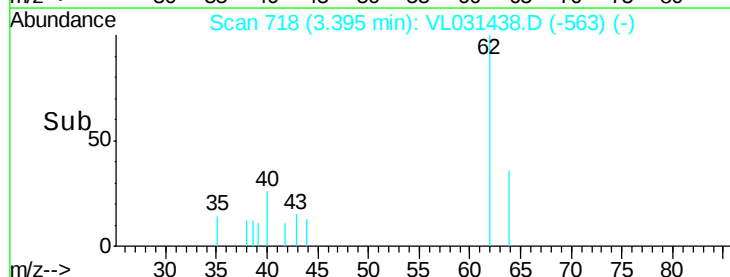
1000

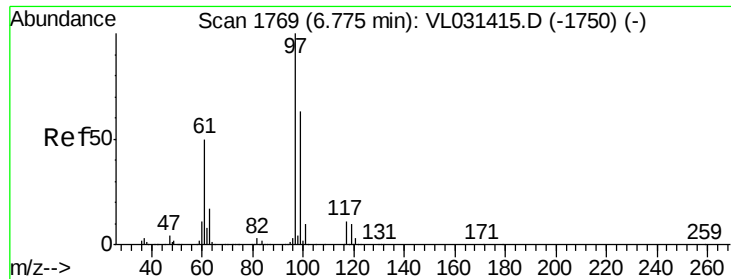
500

0

3.35 3.40 3.45

Time-->





#32

1,1,1-Trichloroethane

Concen: 0.03 ppbv m

RT: 6.77 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

Instrument :

MSVOA_L

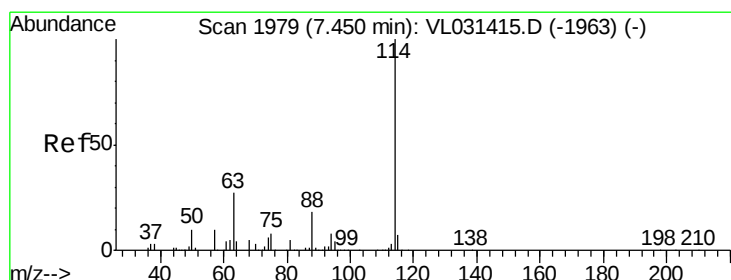
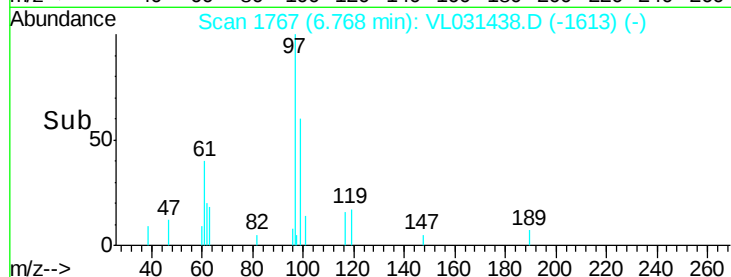
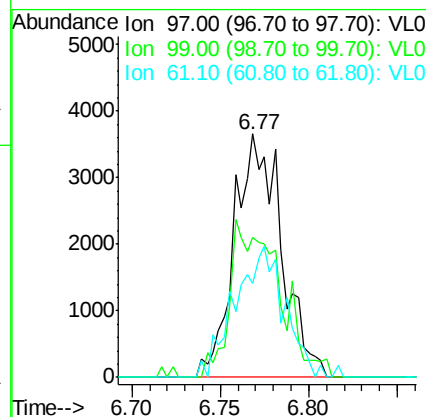
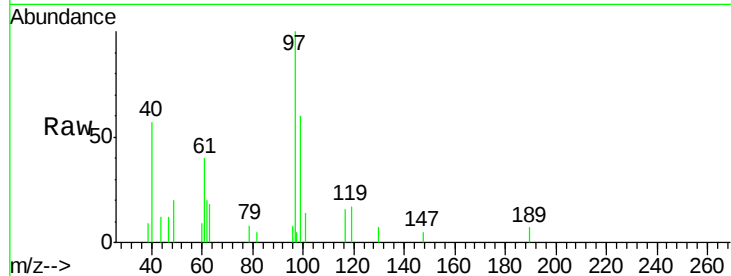
ClientSampled :

MDL-AIR-6

Tot Ion:	97	Resp:	6785
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.9	77.9#
61	0.0	40.6	61.0#

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#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

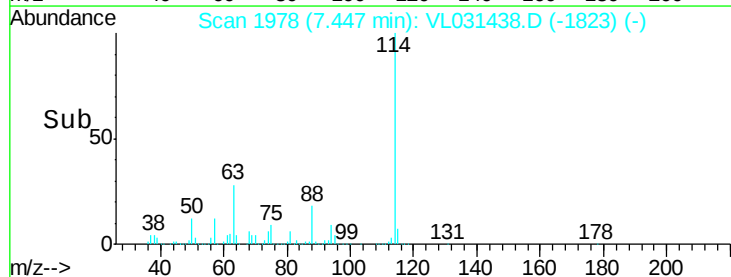
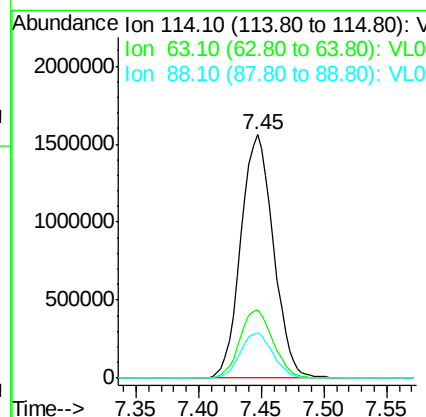
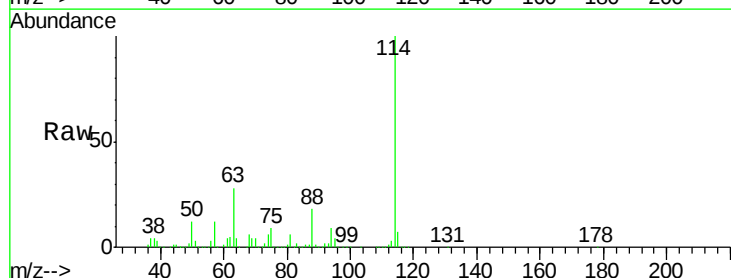
RT: 7.45 min Scan# 1978

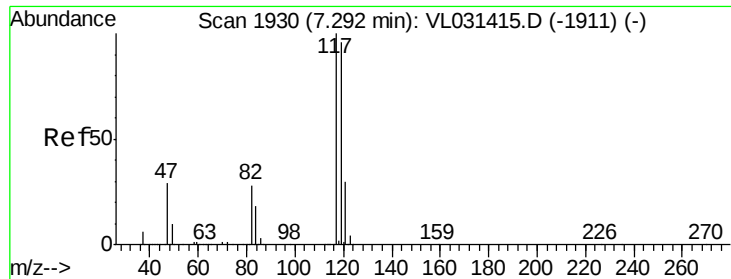
Delta R.T. -0.00 min

Lab File: VL031438.D

Acq: 23 Jan 2018 5:04

Tgt Ion:	114	Resp:	2827346
Ion	Ratio	Lower	Upper
114	100		
63	28.5	22.5	33.7
88	18.7	14.6	22.0





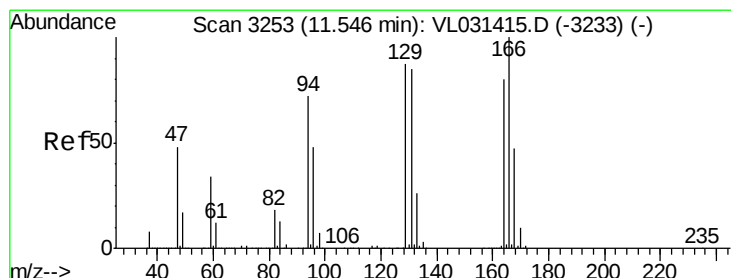
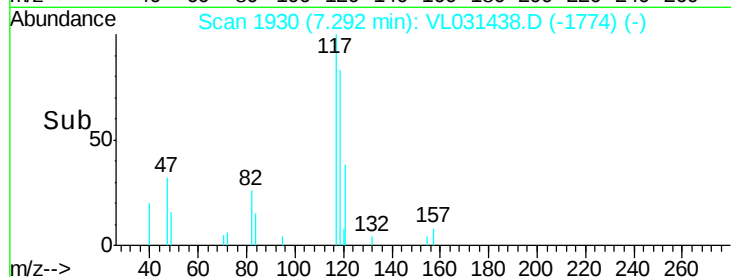
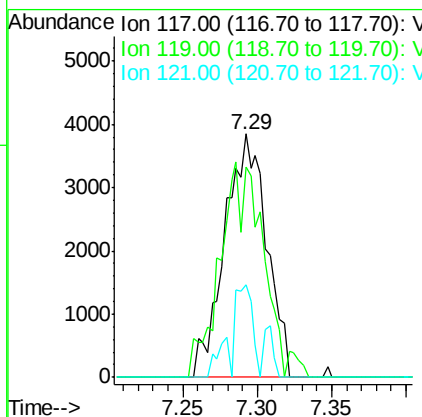
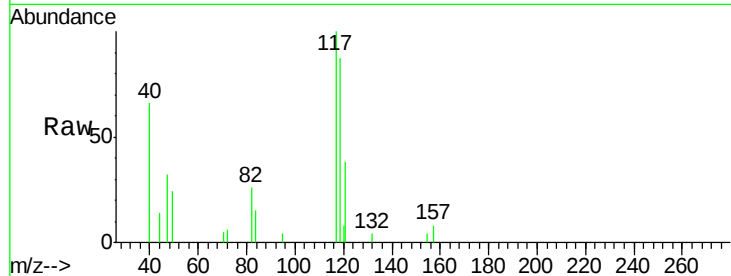
#35
Carbon Tetrachloride
Concen: 0.03 ppbv m
RT: 7.29 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VL031438.D
Acq: 23 Jan 2018 5:04

Instrument :
MSVOA_L
ClientSampled :
MDL-AIR-6

Tot Ion	Ratio	Lower	Upper
117	100		
119	86.6	74.2	111.4
121	38.0	24.2	36.4

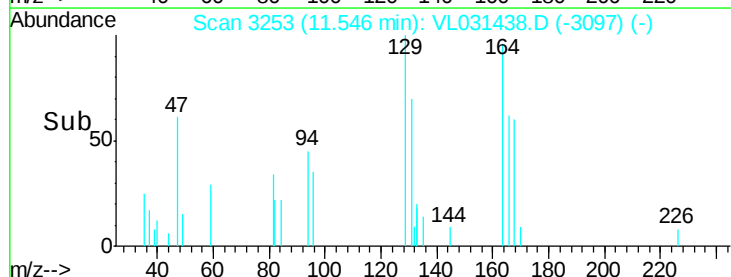
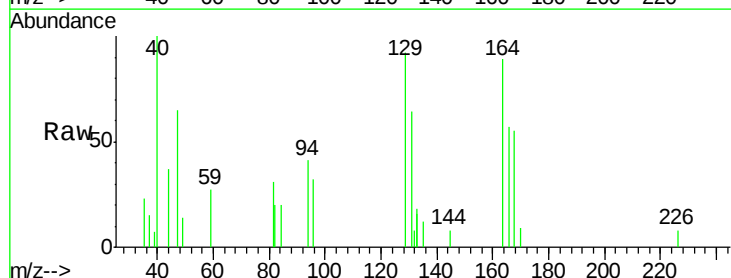
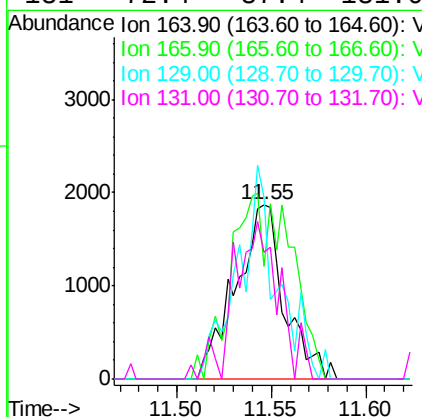
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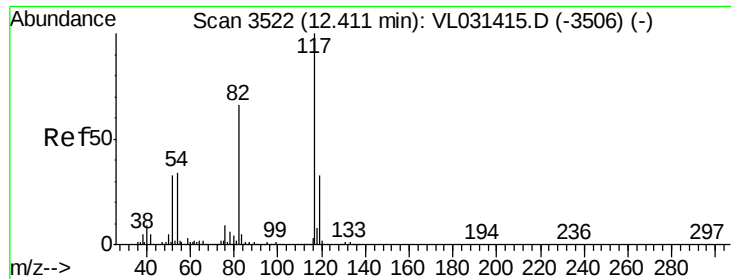
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#52
Tetrachloroethene
Concen: 0.04 ppbv m
RT: 11.55 min Scan# 3253
Delta R.T. 0.00 min
Lab File: VL031438.D
Acq: 23 Jan 2018 5:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	64.9	100.2	150.2
129	104.0	91.4	137.0
131	72.4	87.4	131.0





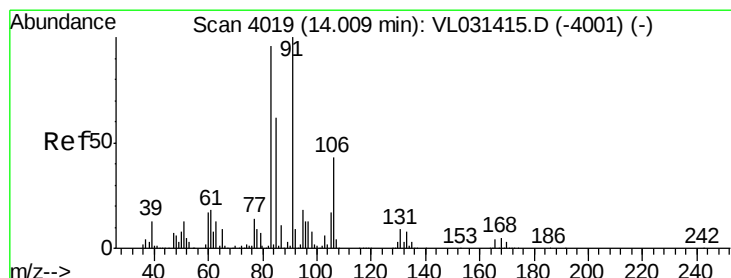
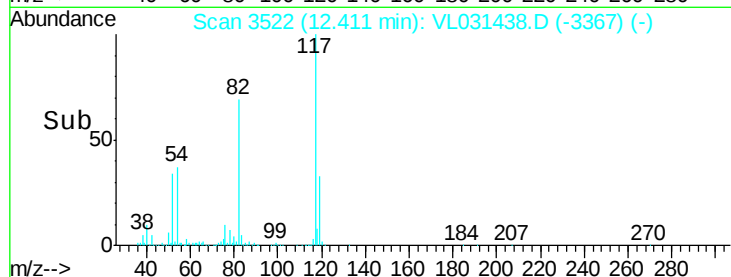
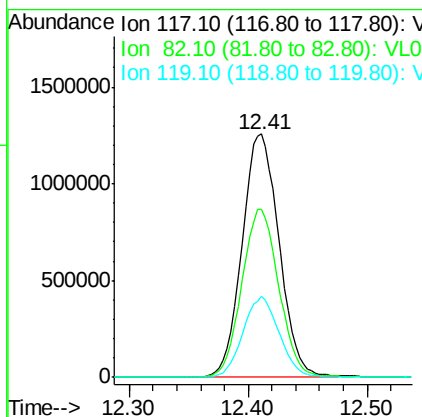
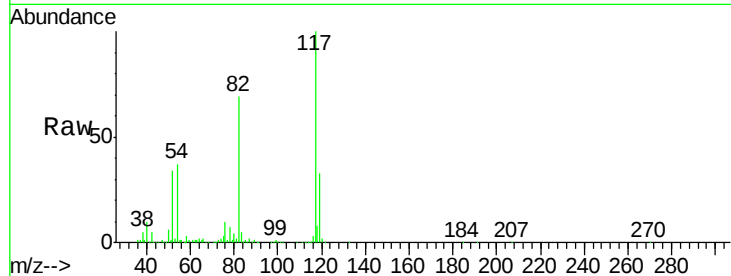
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.41 min Scan# 3522
Delta R.T. -0.00 min
Lab File: VL031438.D
Acq: 23 Jan 2018 5:04

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

Tot Ion:117 Resp: 2710879
Ion Ratio Lower Upper
117 100
82 69.6 51.8 77.6
119 32.8 24.2 36.2

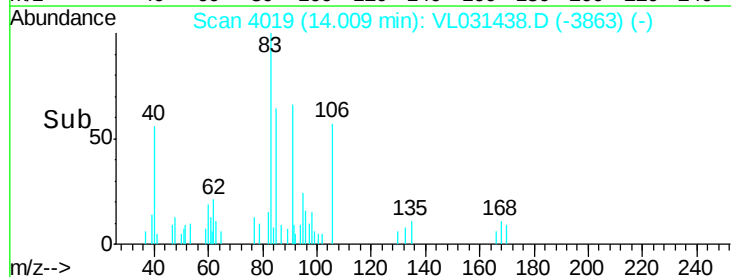
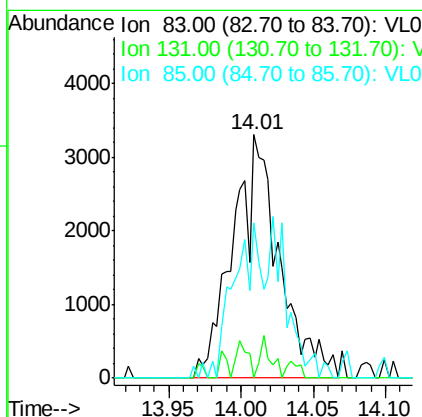
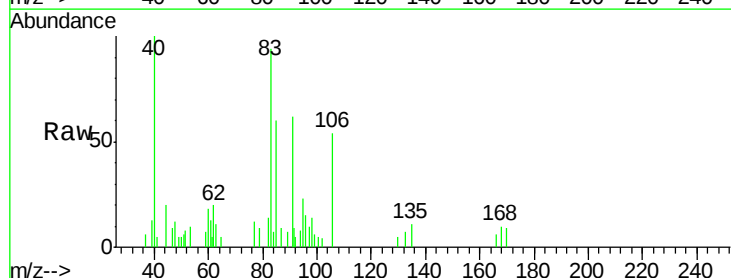
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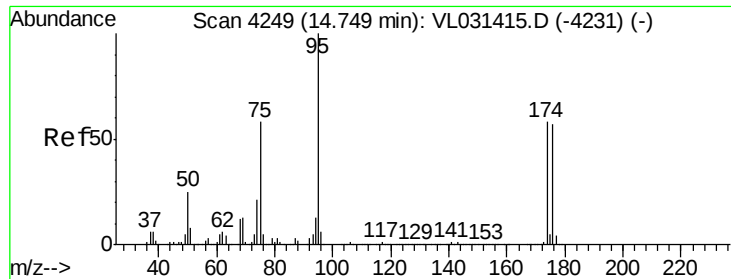
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#63
1,1,2,2-Tetrachloroethane
Concen: 0.03 ppbv m
RT: 14.01 min Scan# 4019
Delta R.T. 0.00 min
Lab File: VL031438.D
Acq: 23 Jan 2018 5:04

Tgt Ion: 83 Resp: 7347
Ion Ratio Lower Upper
83 100
131 0.0 4.8 14.3#
85 0.0 32.4 97.0#





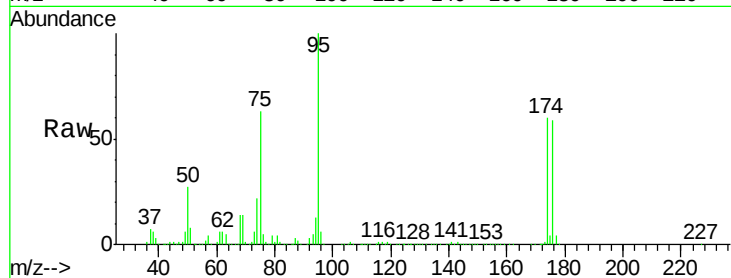
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.49 ppbv
 RT: 14.75 min Scan# 4249
 Delta R.T. 0.00 min
 Lab File: VL031438.D
 Acq: 23 Jan 2018 5:04

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-6

Tot Ion: 95 Resp: 2277905
 Ion Ratio Lower Upper
 95 100
 174 60.4 48.2 72.4
 175 4.4 3.6 5.4

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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

