

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL012218\
 Data File : VL031434.D
 Acq On : 23 Jan 2018 2:40
 Operator : SY/AP
 Sample : J1089-09
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-2

Manual Integrations
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 1/24/2018 5:10:34 PM

Quant Time: Jan 23 07:16:31 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL012218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 22 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	1210405	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.44	114	2703907	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	2650342	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	2152521	10.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.40	62	2933m	0.04	ppbv	
35) Carbon Tetrachloride	7.29	117	7552m	0.03	ppbv	
38) Trichloroethene	8.12	130	3482m	0.04	ppbv	
52) Tetrachloroethene	11.54	164	2812m	0.03	ppbv	
63) 1,1,2,2-Tetrachloroethane	14.01	83	7013m	0.03	ppbv	

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

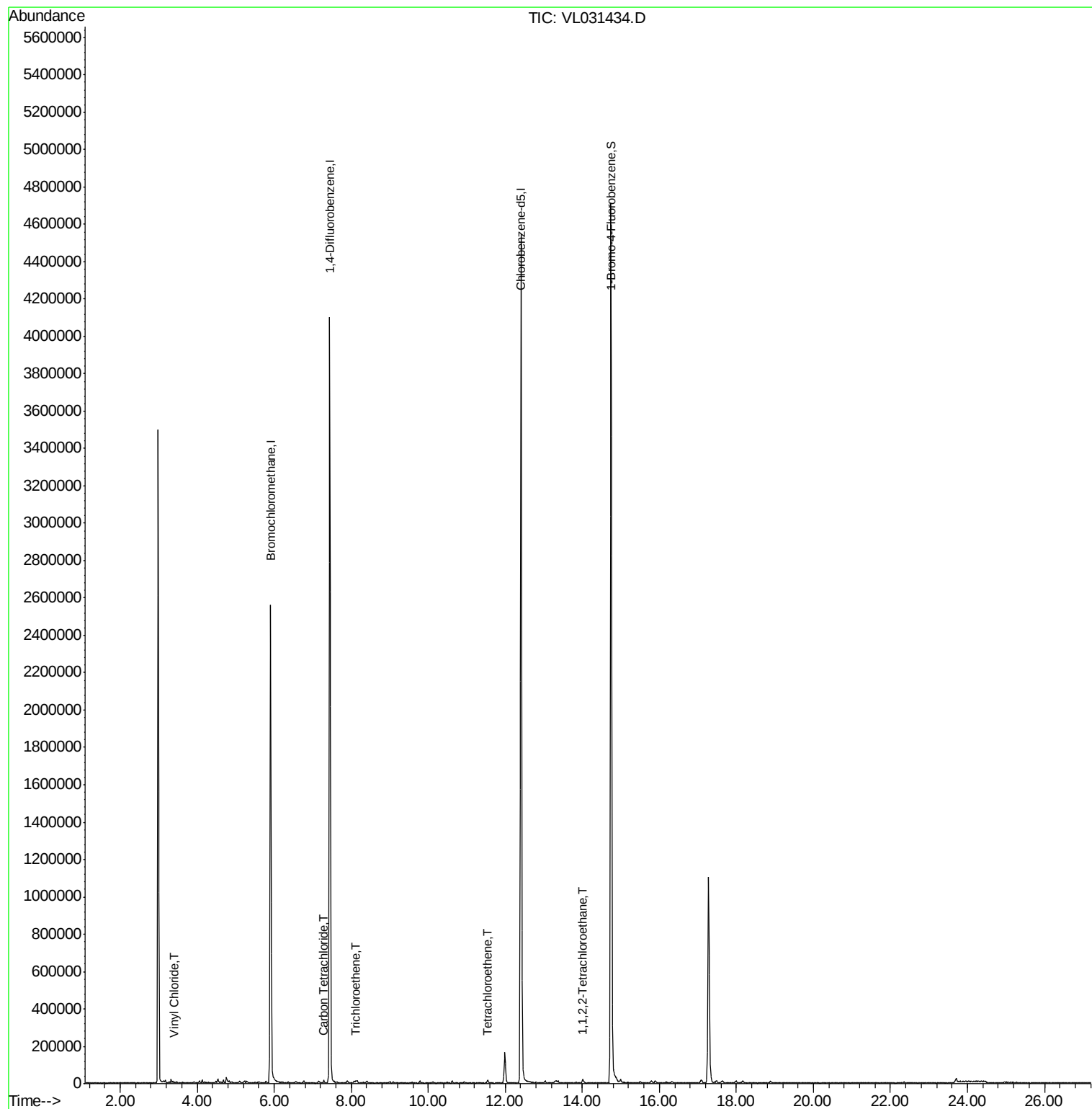
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL012218\
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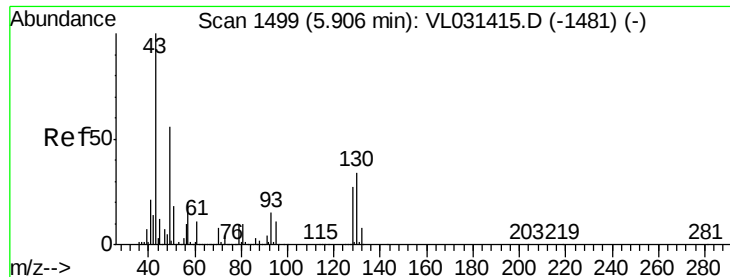
Instrument :
MSVOA_L
ClientSampleId :
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Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL012218AIR.M
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QLast Update : Mon Jan 22 17:52:32 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.91 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VL031434.D

Acq: 23 Jan 2018 2:40

Instrument :

MSVOA_L

ClientSampled :

MDL-AIR-2

Tot Ion: 49 Resp: 1210405

Ion Ratio Lower Upper

49 100

128 45.5 23.5 70.6

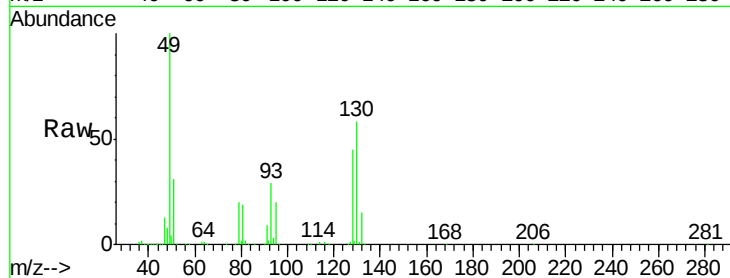
130 58.1 29.9 89.7

Manual Integrations

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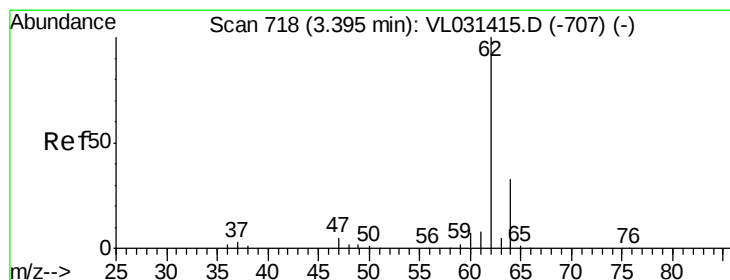
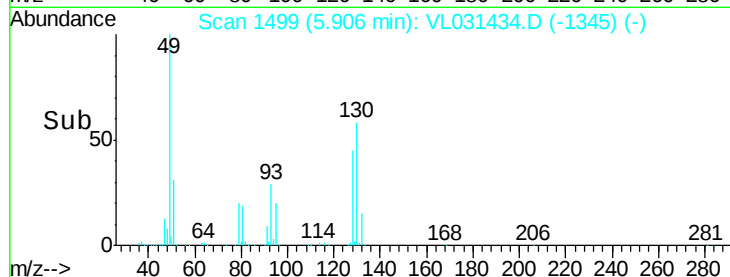
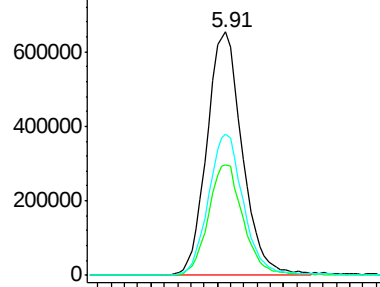
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#5

Vinyl Chloride

Concen: 0.04 ppbv m

RT: 3.40 min Scan# 719

Delta R.T. -0.00 min

Lab File: VL031434.D

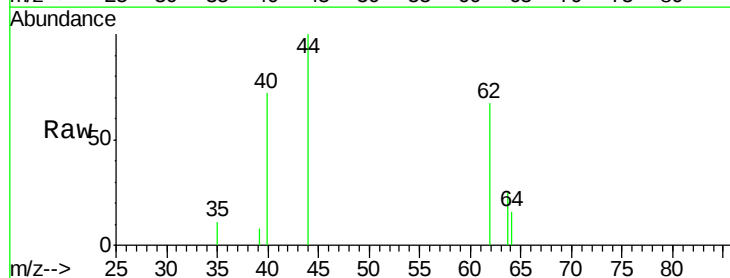
Acq: 23 Jan 2018 2:40

Tgt Ion: 62 Resp: 2933

Ion Ratio Lower Upper

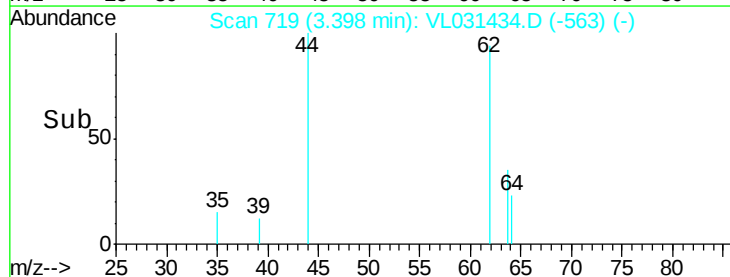
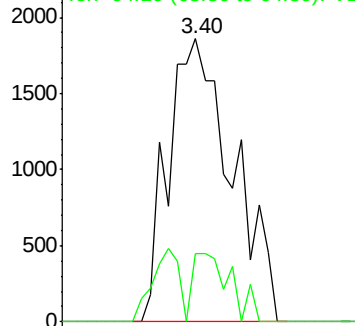
62 100

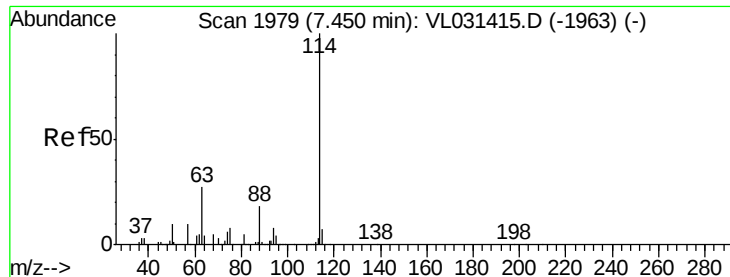
64 24.3 25.4 38.0#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





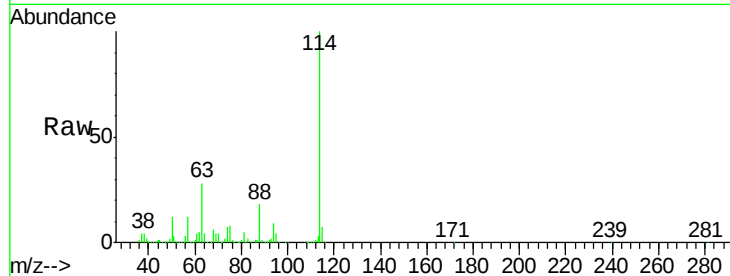
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.44 min Scan# 1977
 Delta R.T. -0.01 min
 Lab File: VL031434.D
 Acq: 23 Jan 2018 2:40

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-2

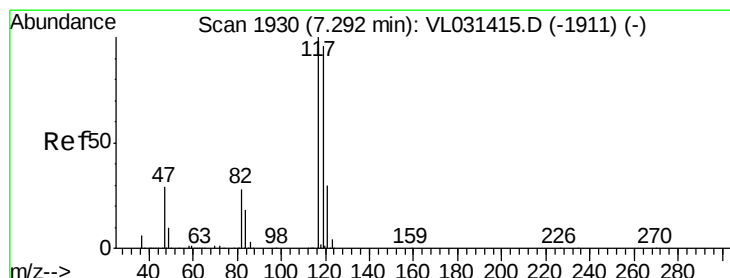
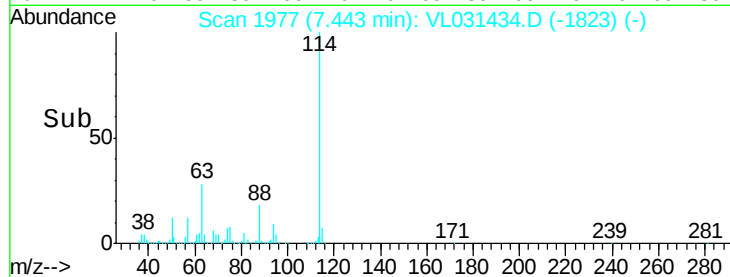
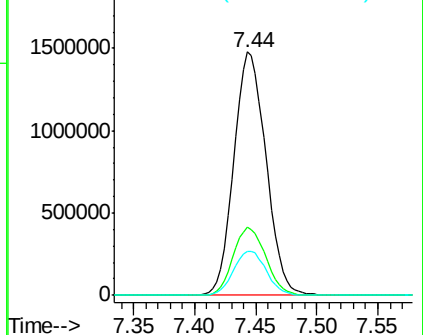
Tot Ion	Ratio	Lower	Upper
114	100		
63	28.5	22.5	33.7
88	18.6	14.6	22.0

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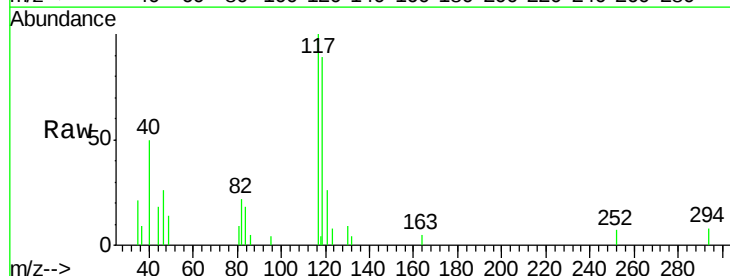


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

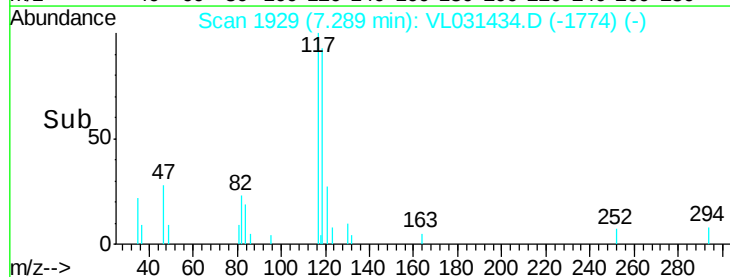
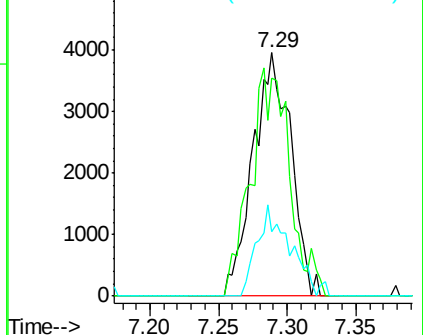


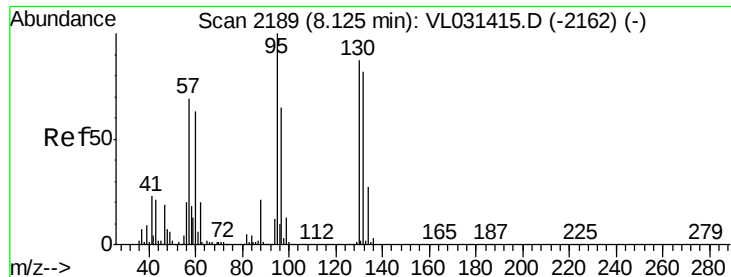
#35
 Carbon Tetrachloride
 Concen: 0.03 ppbv m
 RT: 7.29 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VL031434.D
 Acq: 23 Jan 2018 2:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.3	74.2	111.4
121	26.4	24.2	36.4



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V
 Ion 121.00 (120.70 to 121.70): V





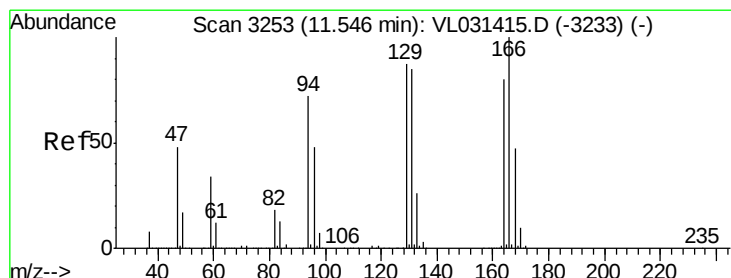
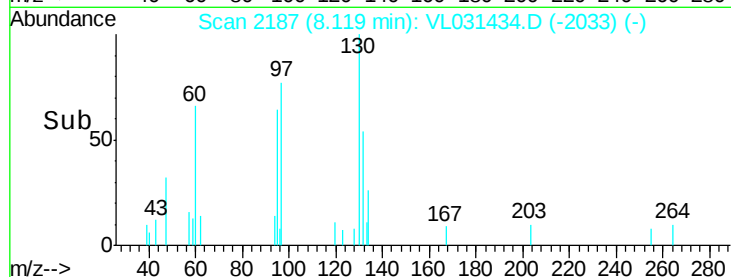
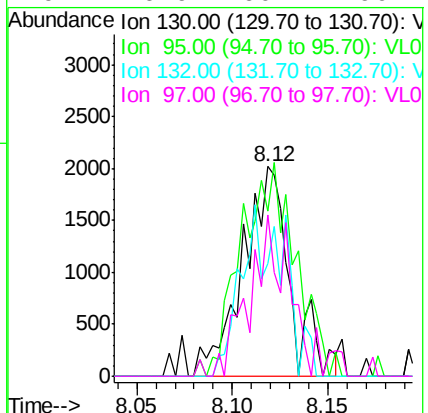
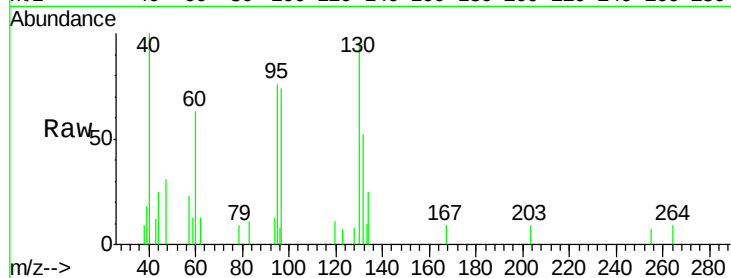
#38
 Trichloroethene
 Concen: 0.04 ppbv m
 RT: 8.12 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VL031434.D
 Acq: 23 Jan 2018 2:40

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-2

Tot Ion	Ratio	Lower	Upper
130	100		
95	78.6	92.9	139.3#
132	53.8	74.9	112.3#
97	76.9	60.2	90.4

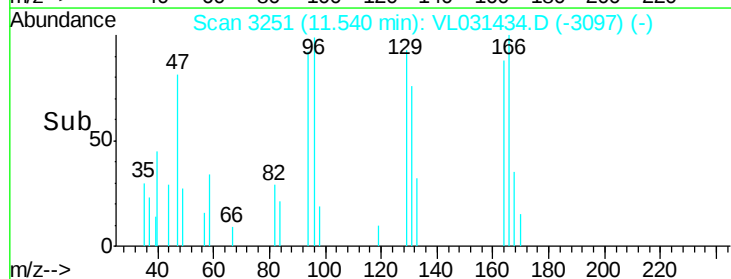
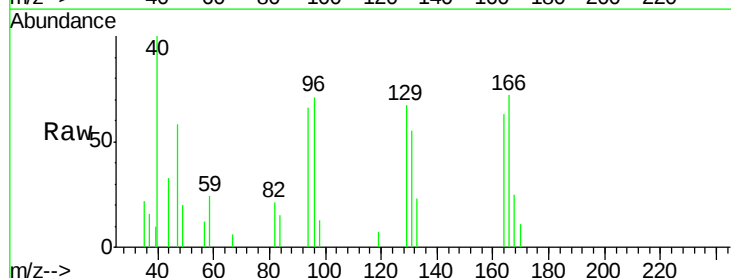
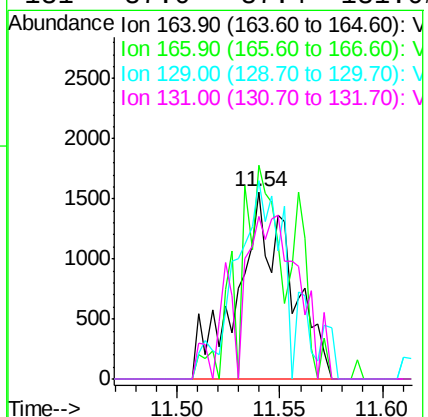
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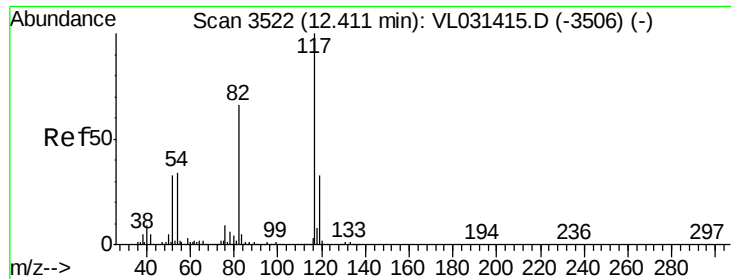
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#52
 Tetrachloroethene
 Concen: 0.03 ppbv m
 RT: 11.54 min Scan# 3251
 Delta R.T. -0.01 min
 Lab File: VL031434.D
 Acq: 23 Jan 2018 2:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	114.0	100.2	150.2
129	106.2	91.4	137.0
131	87.0	87.4	131.0#





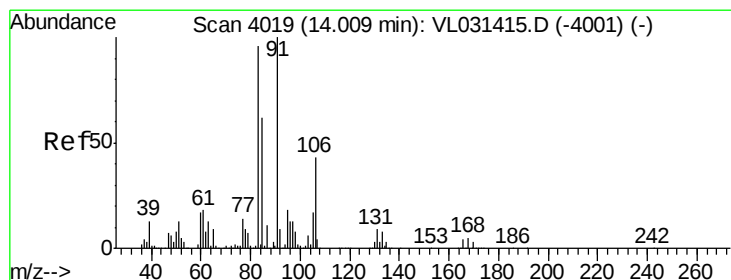
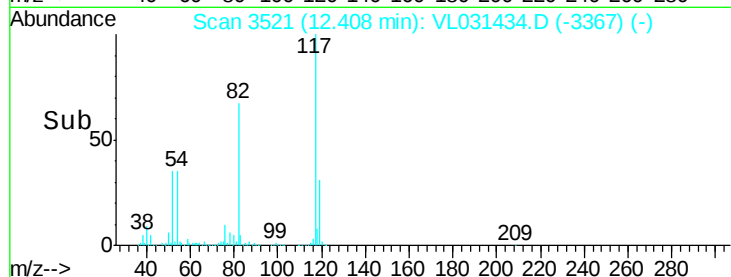
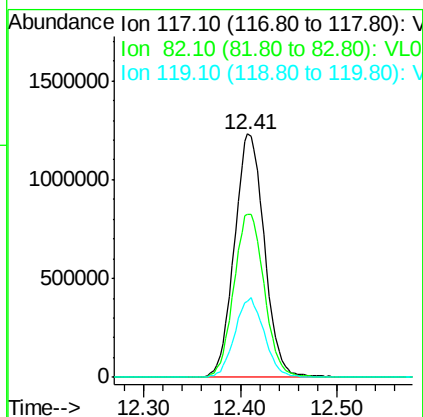
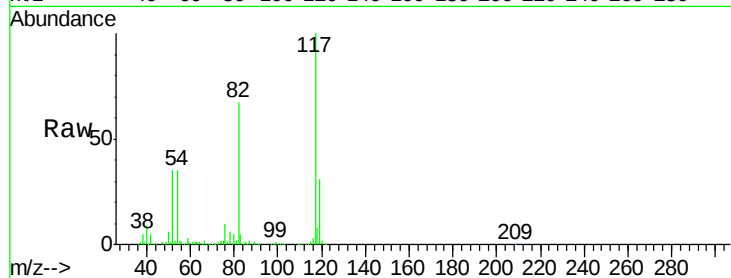
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.41 min Scan# 3521
Delta R.T. -0.01 min
Lab File: VL031434.D
Acq: 23 Jan 2018 2:40

Instrument :
MSVOA_L
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MDL-AIR-2

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.3	51.8	77.6
119	32.3	24.2	36.2

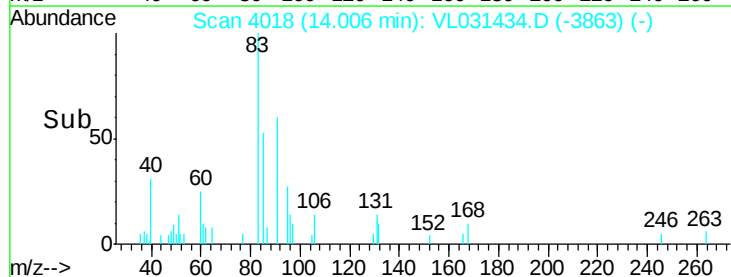
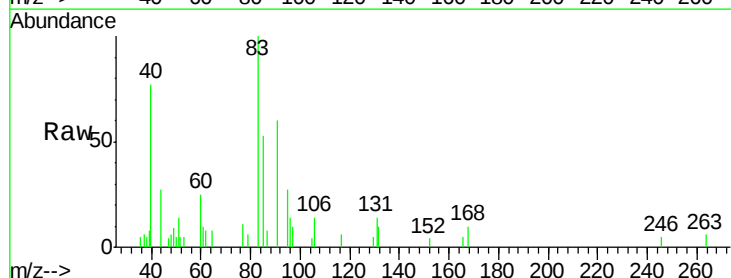
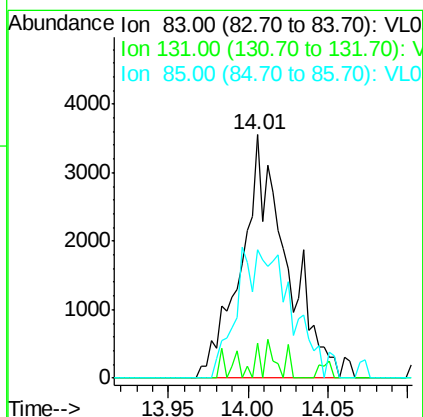
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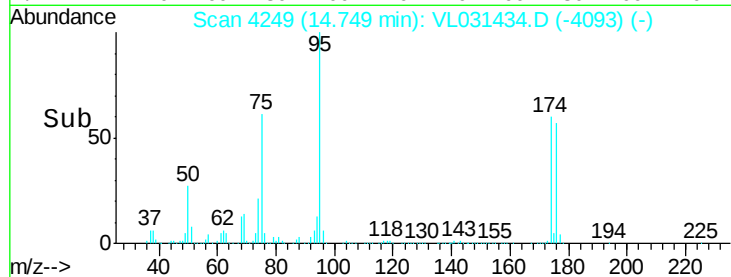
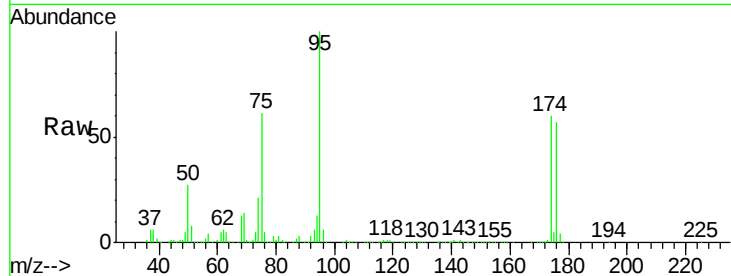
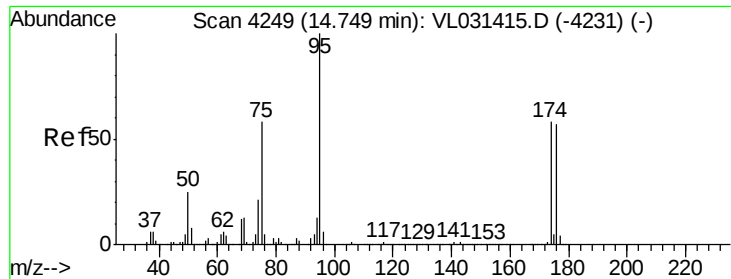
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#63
1,1,2,2-Tetrachloroethane
Concen: 0.03 ppbv m
RT: 14.01 min Scan# 4018
Delta R.T. -0.00 min
Lab File: VL031434.D
Acq: 23 Jan 2018 2:40

Tgt Ion	Ratio	Lower	Upper
83	100		
131	3.2	4.8	14.3#
85	66.6	32.4	97.0





#68

1-Bromo-4-Fluorobenzene

Concen: 10.14 ppbv

RT: 14.75 min Scan# 4249

Delta R.T. -0.00 min

Lab File: VL031434.D

Acq: 23 Jan 2018 2:40

Tot Ion: 95 Resp: 2152521

Ion Ratio Lower Upper

95 100

174 60.6 48.2 72.4

175 4.4 3.6 5.4

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-2

Manual Integrations

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