

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL012218\
 Data File : VL031436.D
 Acq On : 23 Jan 2018 3:52
 Operator : SY/AP
 Sample : J1089-11
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-4

Manual Integrations
 APPROVED

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 1/24/2018 5:10:36 PM

Quant Time: Jan 23 07:20:32 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	5.90	49	1212045	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	2651549	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	2603116	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	2115439	10.15	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.40	62	2234	0.03	ppbv	# 65
32) 1,1,1-Trichloroethane	6.77	97	6475m	0.03	ppbv	
35) Carbon Tetrachloride	7.29	117	6699m	0.03	ppbv	
38) Trichloroethene	8.12	130	2871m	0.03	ppbv	
52) Tetrachloroethene	11.54	164	2813m	0.03	ppbv	

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

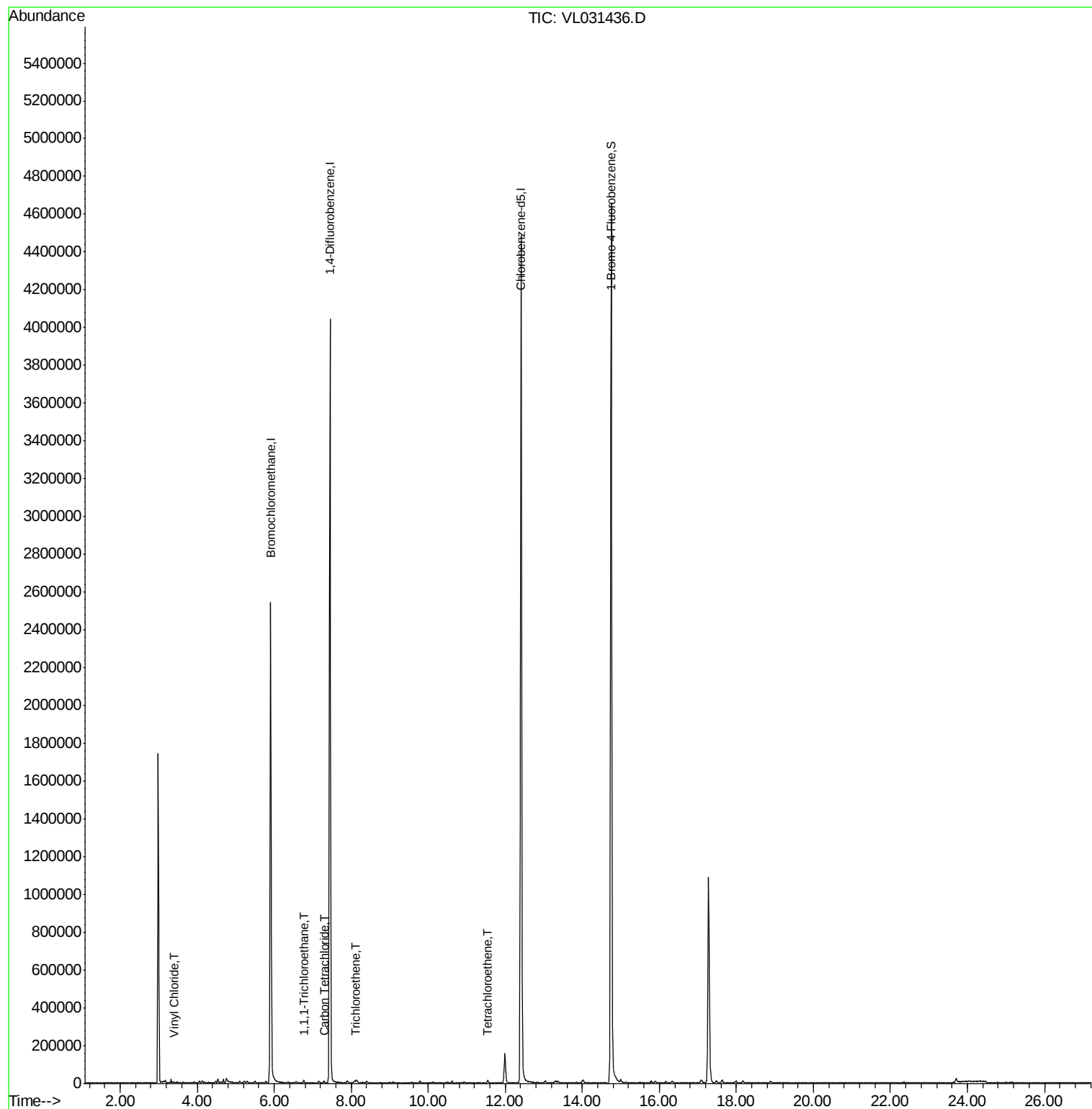
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL012218\
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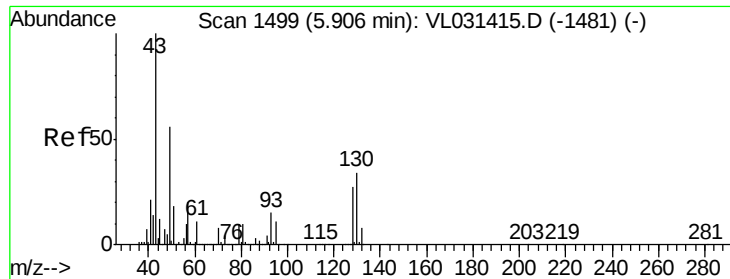
Instrument :
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#1

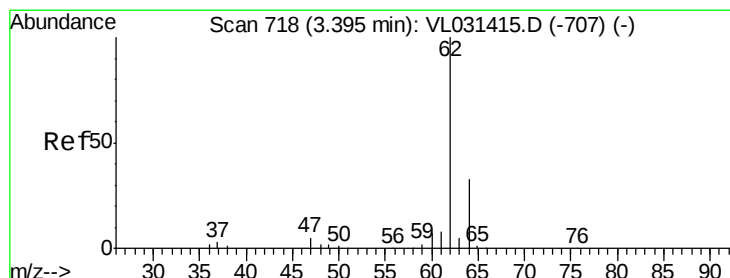
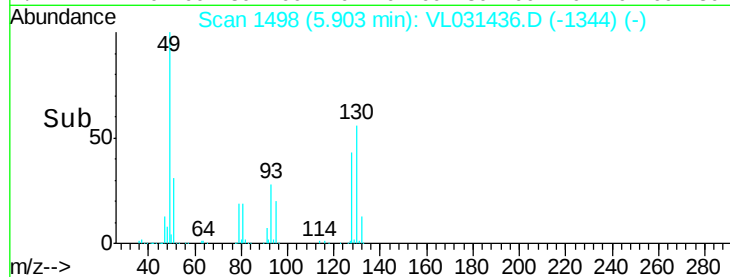
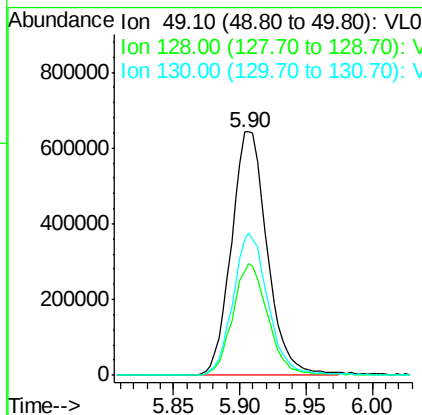
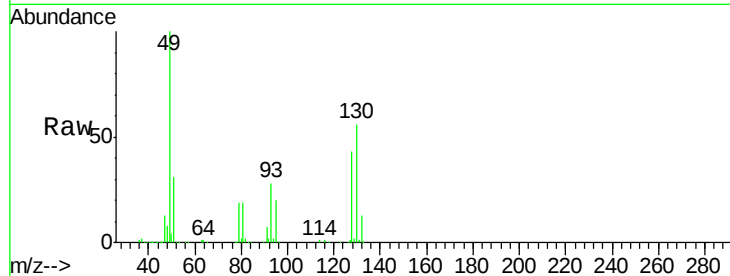
Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.90 min Scan# 1498
 Delta R.T. -0.01 min
 Lab File: VL031436.D
 Acq: 23 Jan 2018 3:52

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-4

Tot Ion	Ratio	Lower	Upper
49	100		
128	45.1	23.5	70.6
130	57.4	29.9	89.7

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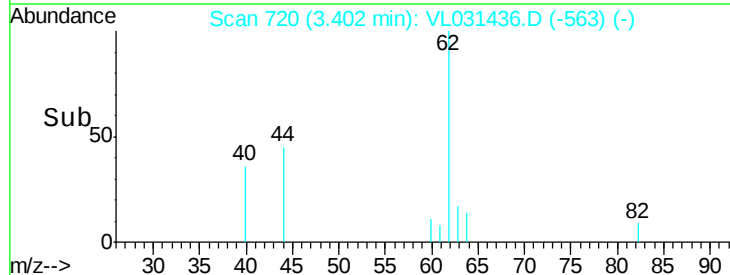
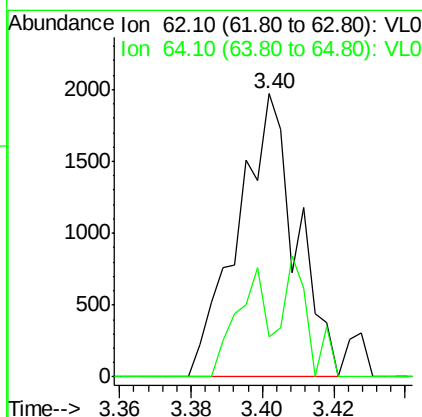
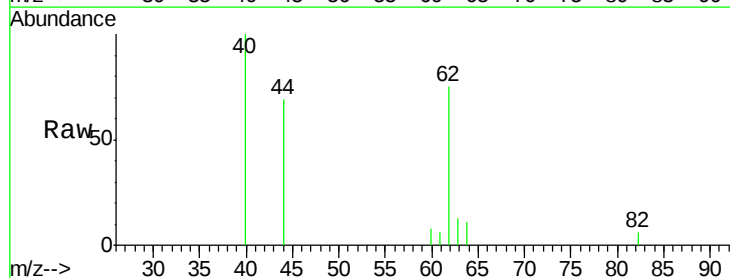
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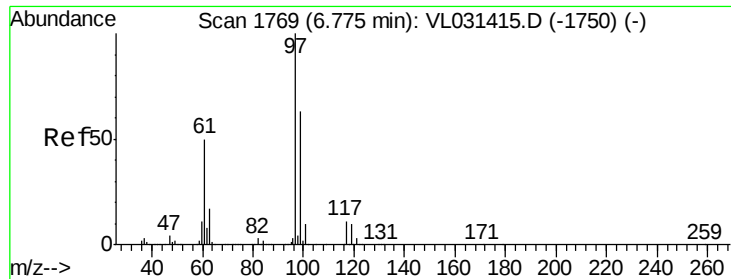


#5

Vinyl Chloride
 Concen: 0.03 ppbv
 RT: 3.40 min Scan# 720
 Delta R.T. 0.00 min
 Lab File: VL031436.D
 Acq: 23 Jan 2018 3:52

Tgt Ion	Ratio	Lower	Upper
62	100		
64	12.1	25.4	38.0





#32

1,1,1-Trichloroethane

Concen: 0.03 ppbv m

RT: 6.77 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VL031436.D

Acq: 23 Jan 2018 3:52

Instrument :

MSVOA_L

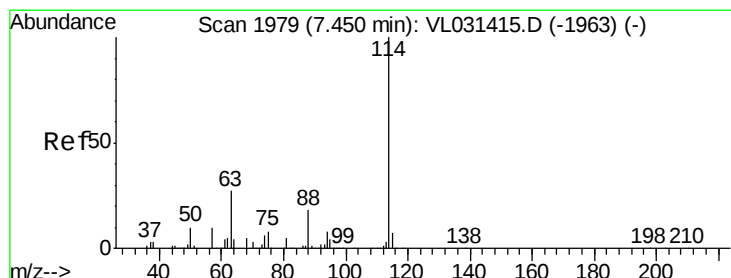
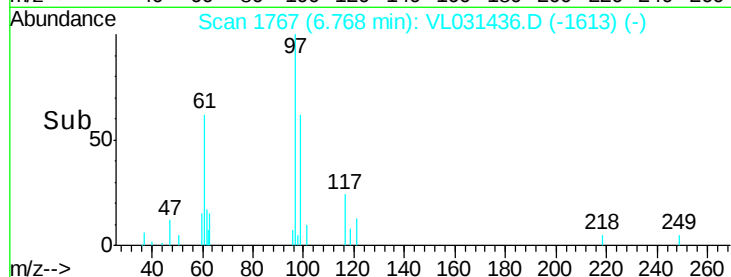
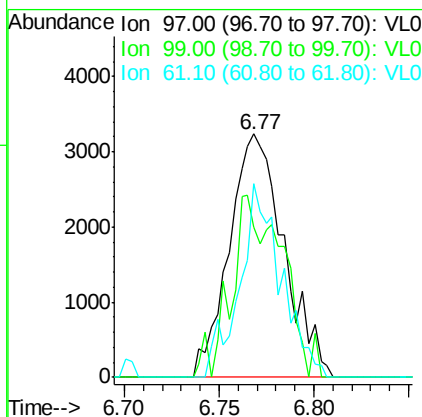
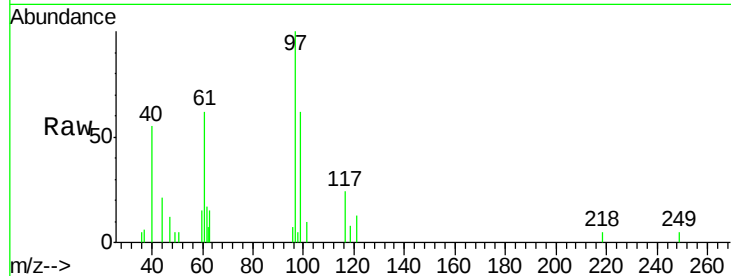
ClientSampleId :

MDL-AIR-4

Tot Ion:	97	Resp:	6475
Ion	Ratio	Lower	Upper
97	100		
99	71.1	51.9	77.9
61	60.5	40.6	61.0

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#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

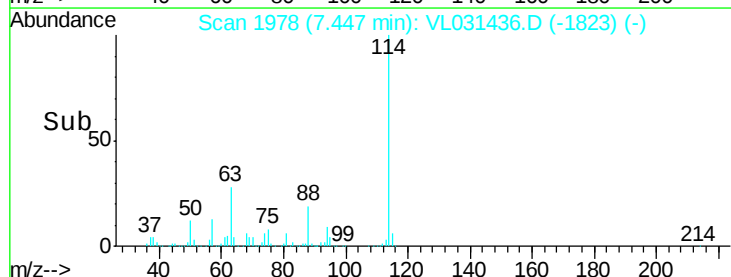
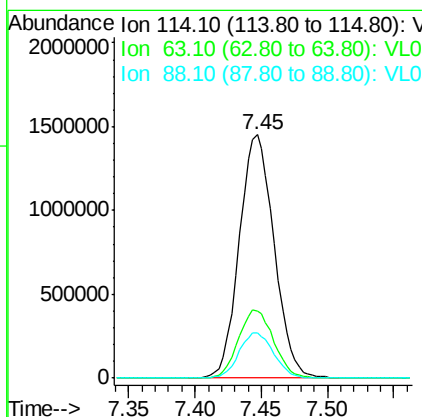
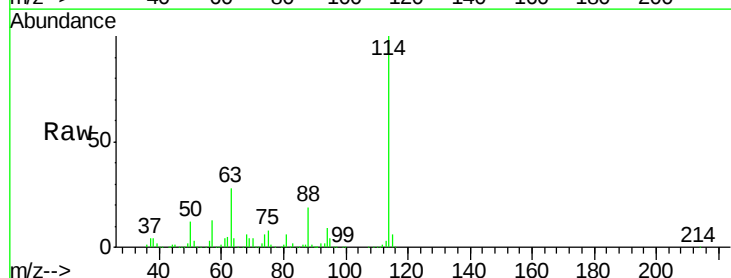
RT: 7.45 min Scan# 1978

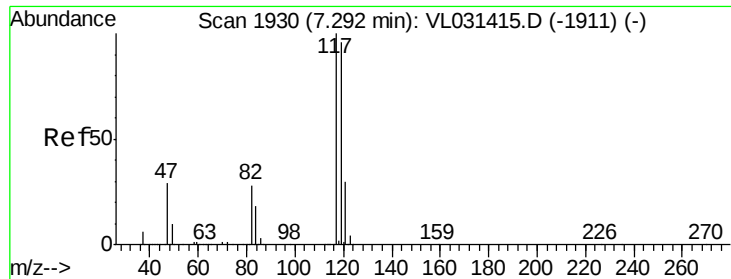
Delta R.T. -0.00 min

Lab File: VL031436.D

Acq: 23 Jan 2018 3:52

Tgt Ion:	114	Resp:	2651549
Ion	Ratio	Lower	Upper
114	100		
63	28.4	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: VL031436.D

Acq: 23 Jan 2018 3:52

Instrument :

MSVOA_L

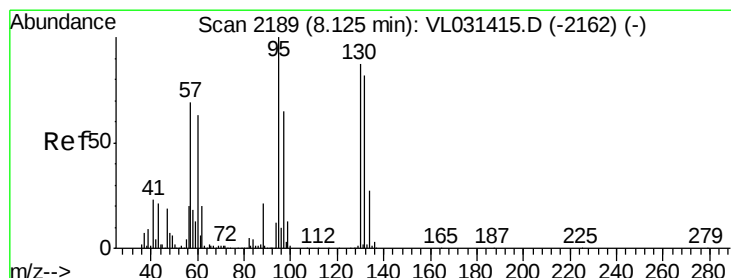
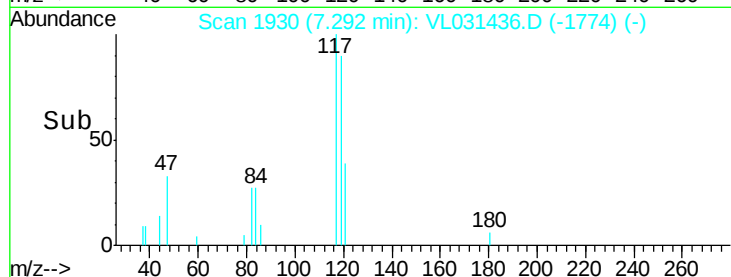
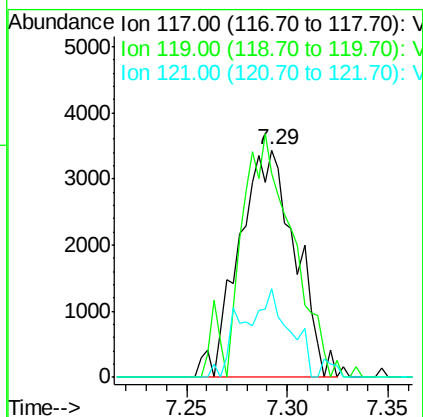
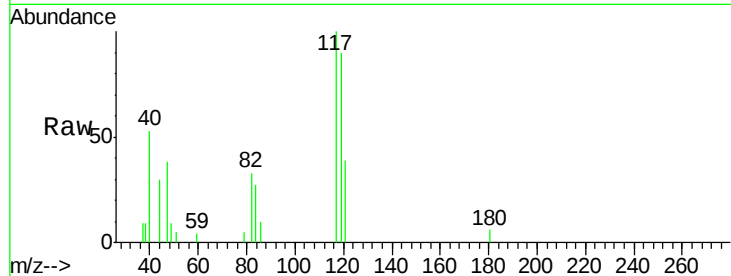
ClientSampled :

MDL-AIR-4

Tot Ion:	117	Resp:	6699
Ion	Ratio	Lower	Upper
117	100		
119	89.8	74.2	111.4
121	38.9	24.2	36.4#

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#38

Trichloroethene

Concen: 0.03 ppbv m

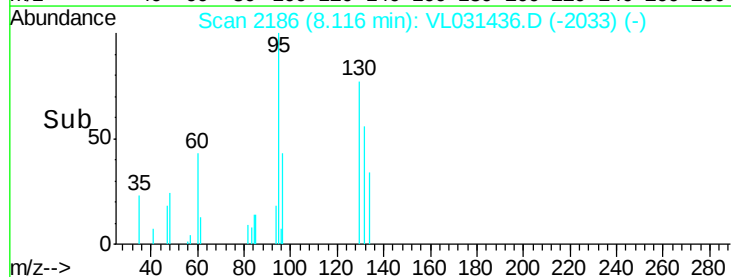
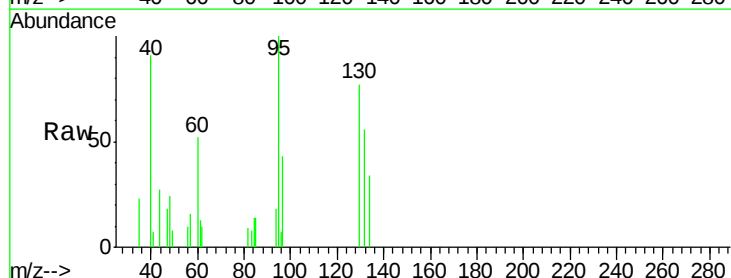
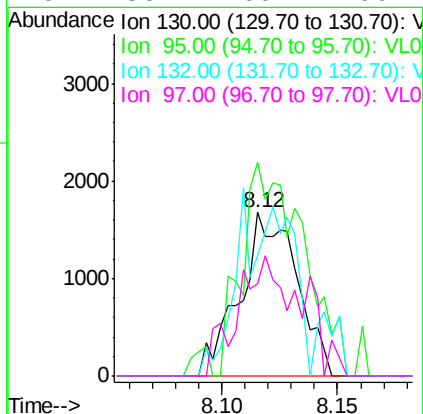
RT: 8.12 min Scan# 2186

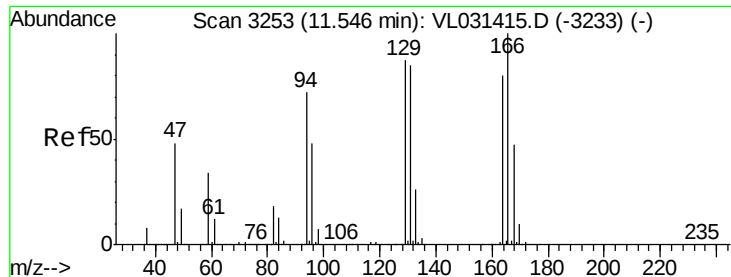
Delta R.T. -0.01 min

Lab File: VL031436.D

Acq: 23 Jan 2018 3:52

Tgt Ion:	130	Resp:	2871
Ion	Ratio	Lower	Upper
130	100		
95	130.6	92.9	139.3
132	73.7	74.9	112.3#
97	56.1	60.2	90.4#





#52

Tetrachloroethene

Concen: 0.03 ppbv m

RT: 11.54 min Scan# 3250

Delta R.T. -0.01 min

Lab File: VL031436.D

Acq: 23 Jan 2018 3:52

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-4

Tot Ion:164 Resp: 2813

Ion Ratio Lower Upper

164 100

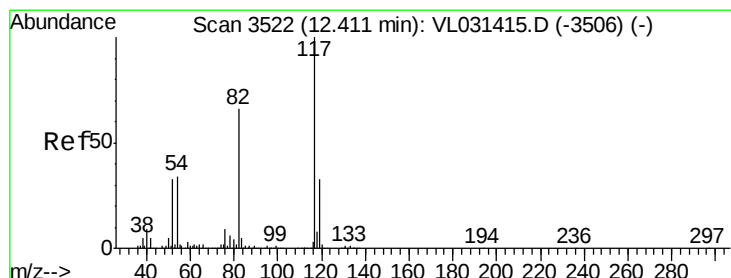
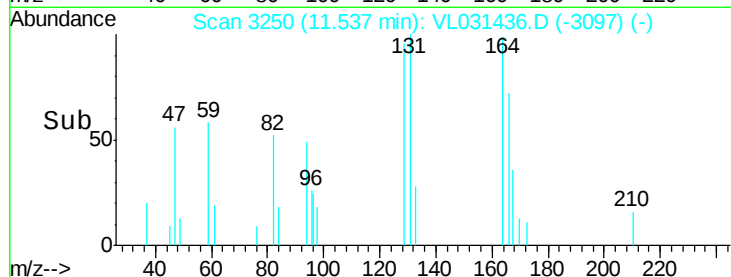
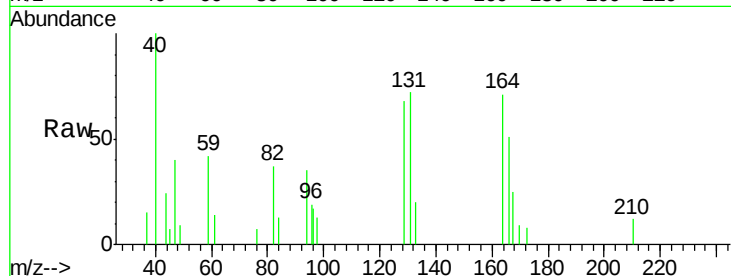
166 72.4 100.2 150.2#

129 96.6 91.4 137.0

131 101.1 87.4 131.0

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#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.41 min Scan# 3522

Delta R.T. -0.00 min

Lab File: VL031436.D

Acq: 23 Jan 2018 3:52

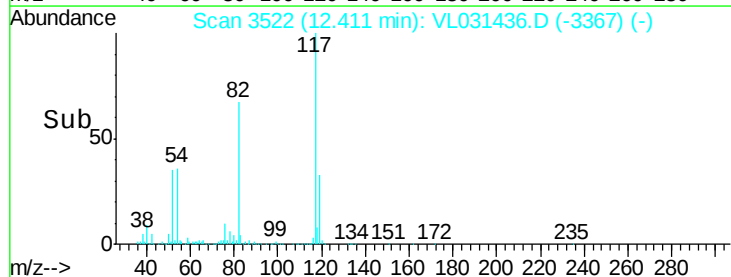
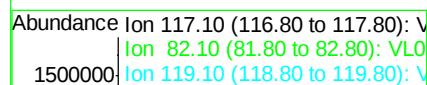
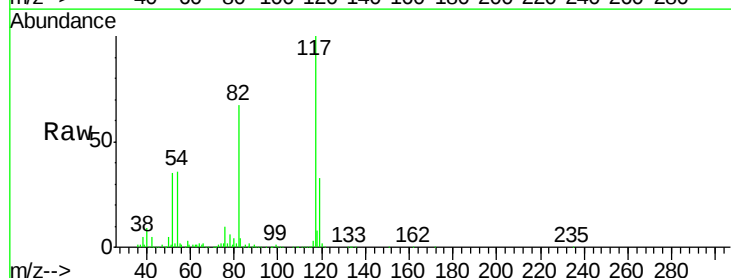
Tgt Ion:117 Resp: 2603116

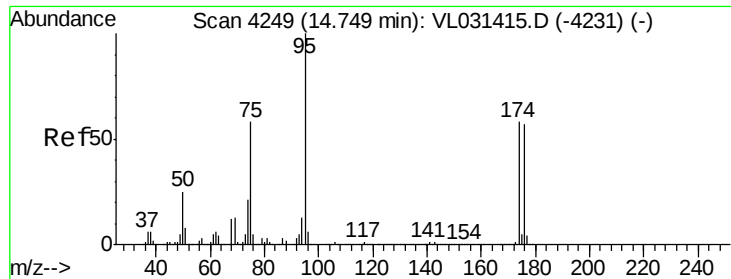
Ion Ratio Lower Upper

117 100

82 68.6 51.8 77.6

119 32.4 24.2 36.2





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.15 ppbv
 RT: 14.75 min Scan# 4249
 Delta R.T. 0.00 min
 Lab File: VL031436.D
 Acq: 23 Jan 2018 3:52

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-4

Tot Ion: 95 Resp: 2115439
 Ion Ratio Lower Upper
 95 100
 174 61.0 48.2 72.4
 175 4.5 3.6 5.4

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