

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL012218\
 Data File : VL031437.D
 Acq On : 23 Jan 2018 4:28
 Operator : SY/AP
 Sample : J1089-12
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-5

Manual Integrations
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 1/24/2018 5:10:50 PM

Quant Time: Jan 23 07:22:26 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	1172957	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	2640567	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	2591603	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	2130221	10.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.40	62	2402	0.04	ppbv	# 69
32) 1,1,1-Trichloroethane	6.77	97	6529m	0.03	ppbv	
35) Carbon Tetrachloride	7.29	117	7189m	0.03	ppbv	
38) Trichloroethene	8.12	130	3286m	0.04	ppbv	
52) Tetrachloroethene	11.56	164	2767m	0.03	ppbv	
63) 1,1,2,2-Tetrachloroethane	14.00	83	6780m	0.03	ppbv	

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

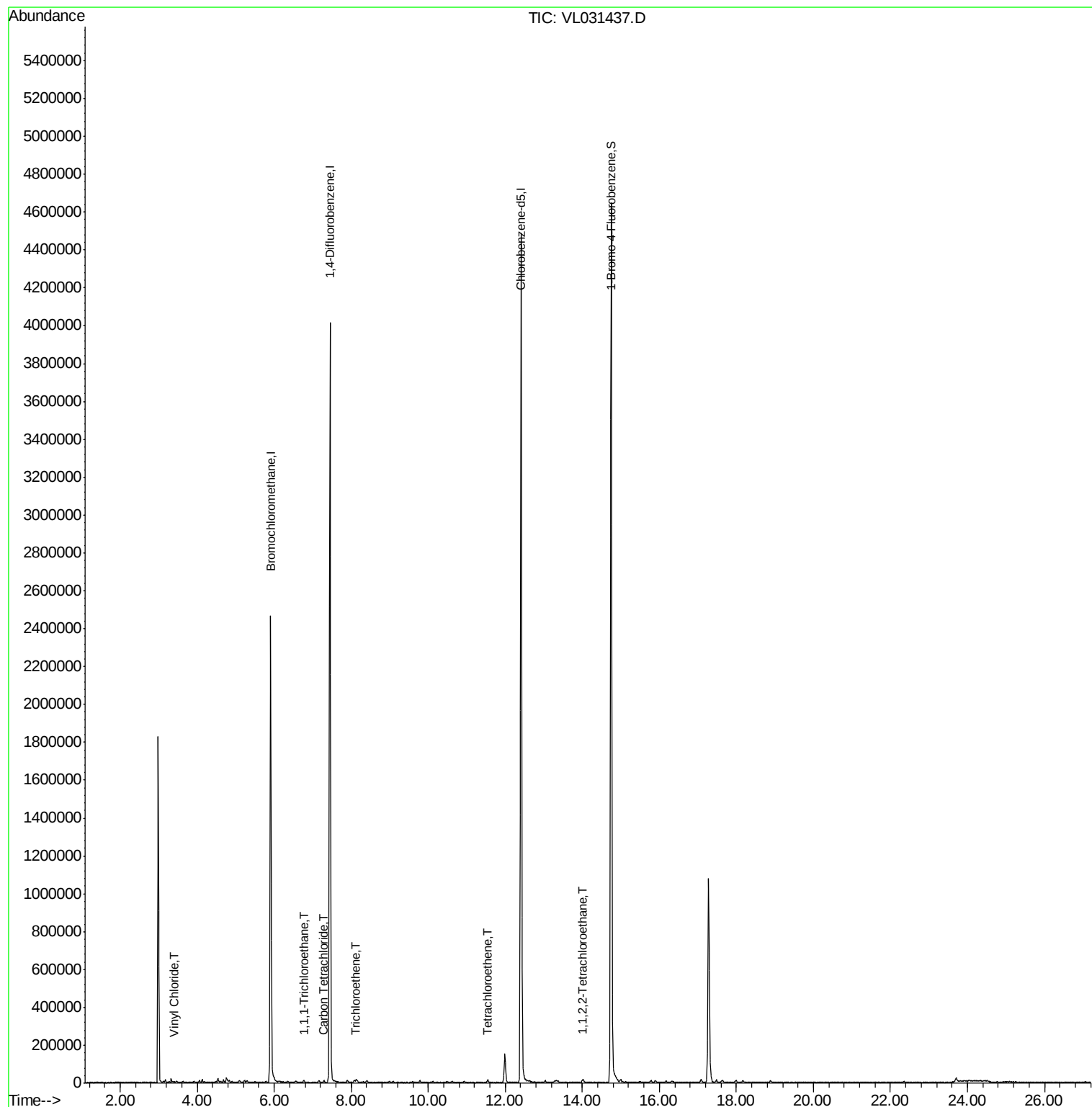
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL012218\
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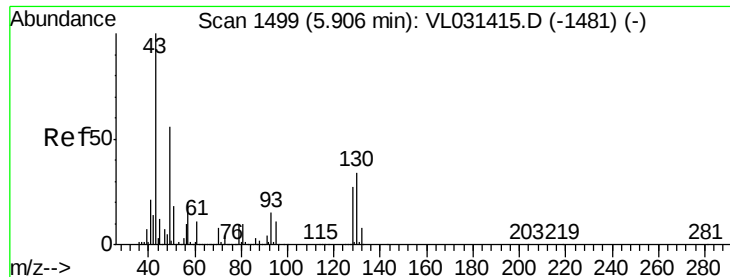
Instrument :
MSVOA_L
ClientSampleId :
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Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL012218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan
QLast Update : Mon Jan 22 17:52:32 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.91 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VL031437.D

Acq: 23 Jan 2018 4:28

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-5

Tot Ion: 49 Resp: 1172957

Ion Ratio Lower Upper

49 100

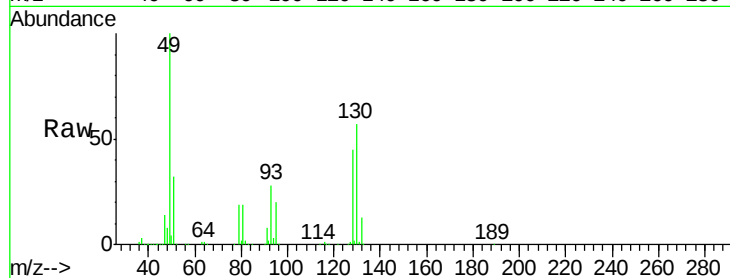
128 45.0 23.5 70.6

130 57.8 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

5.91

800000

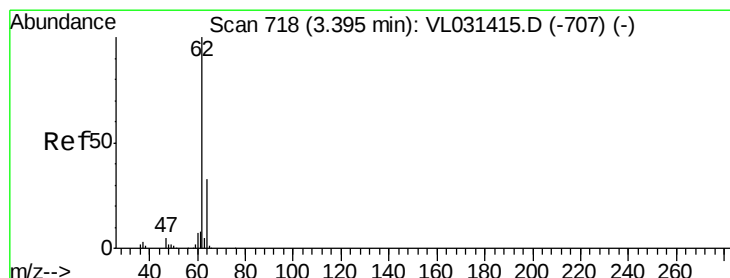
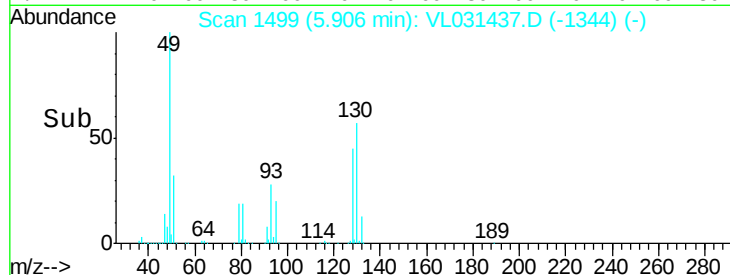
600000

400000

200000

0

Time--> 5.80 5.90 6.00



#5

Vinyl Chloride

Concen: 0.04 ppbv

RT: 3.40 min Scan# 720

Delta R.T. 0.00 min

Lab File: VL031437.D

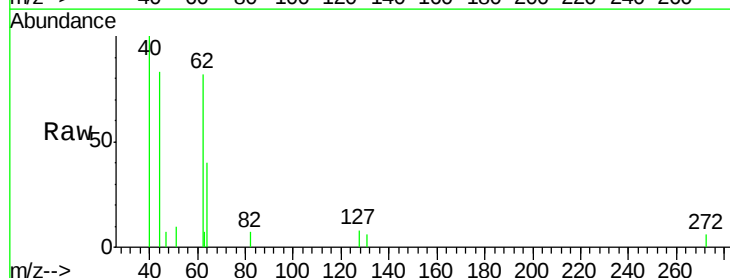
Acq: 23 Jan 2018 4:28

Tgt Ion: 62 Resp: 2402

Ion Ratio Lower Upper

62 100

64 48.8 25.4 38.0#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.40

2000

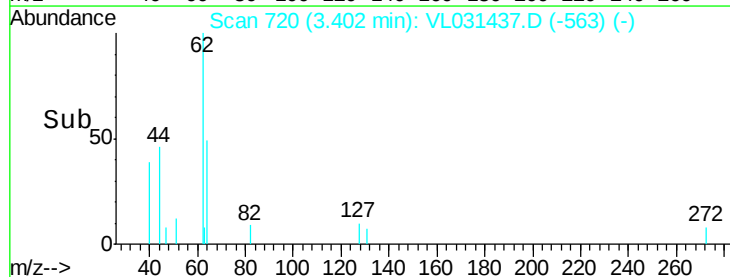
1500

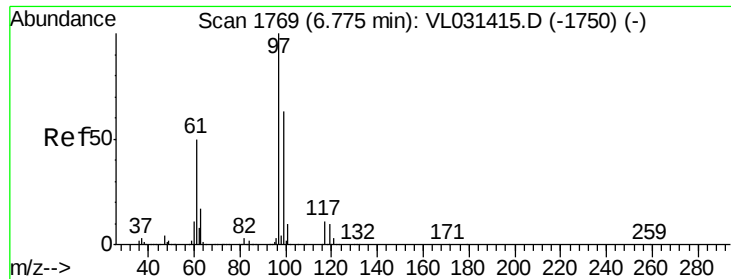
1000

500

0

Time--> 3.36 3.38 3.40 3.42 3.44





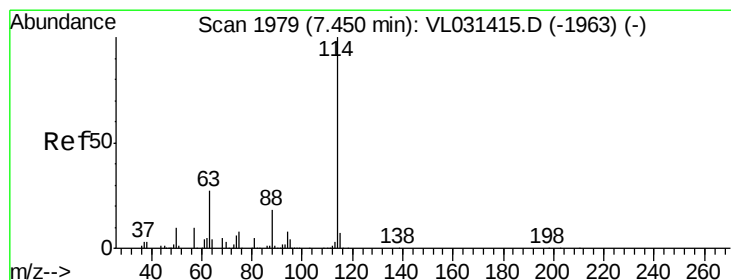
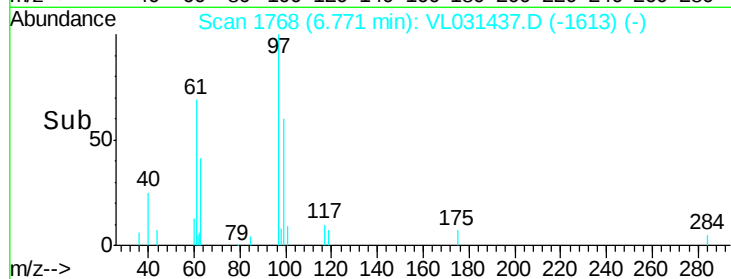
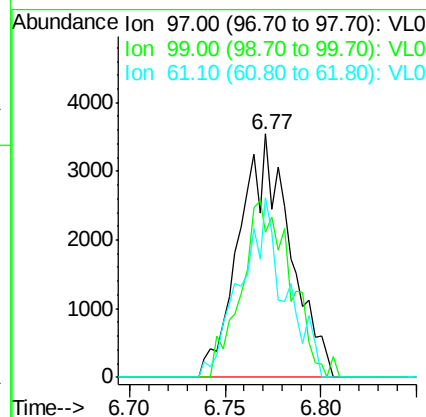
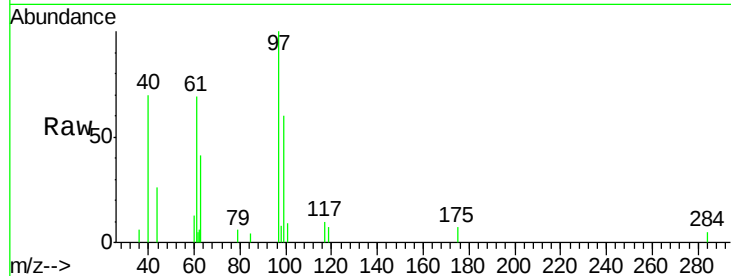
#32
 1,1,1-Trichloroethane
 Concen: 0.03 ppbv m
 RT: 6.77 min Scan# 1768
 Delta R.T. -0.00 min
 Lab File: VL031437.D
 Acq: 23 Jan 2018 4:28

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-5

Tot Ion	Ratio	Lower	Upper
97	100		
99	70.7	51.9	77.9
61	64.3	40.6	61.0#

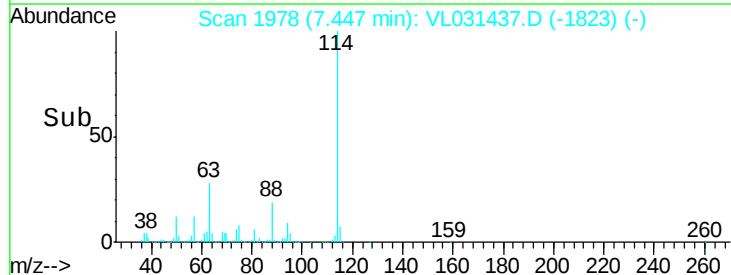
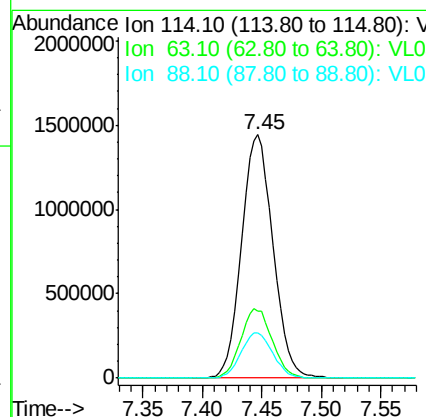
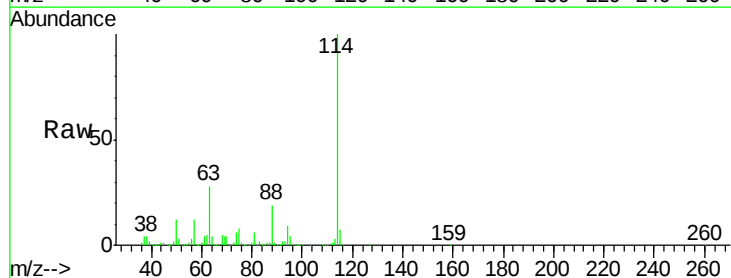
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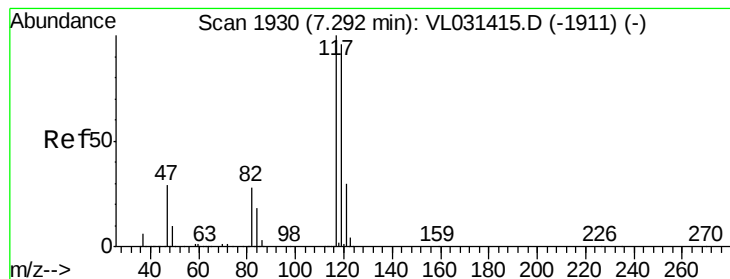
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#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.45 min Scan# 1978
 Delta R.T. -0.00 min
 Lab File: VL031437.D
 Acq: 23 Jan 2018 4:28

Tgt Ion	Ratio	Lower	Upper
114	100		
63	28.6	22.5	33.7
88	18.8	14.6	22.0





#35

Carbon Tetrachloride

Concen: 0.03 ppbv m

RT: 7.29 min Scan# 1929

Delta R.T. -0.00 min

Lab File: VL031437.D

Acq: 23 Jan 2018 4:28

Instrument :

MSVOA_L

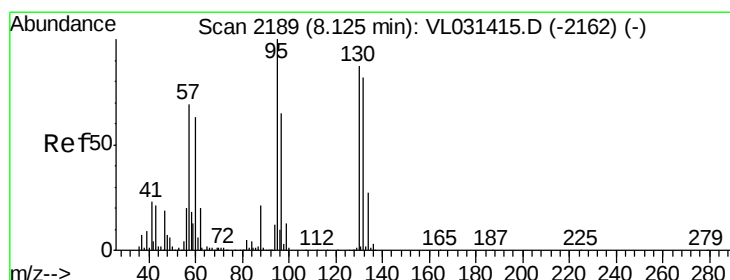
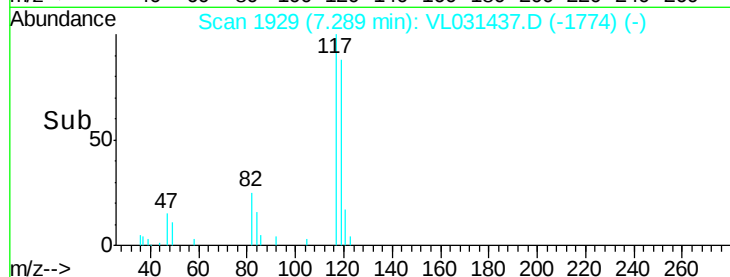
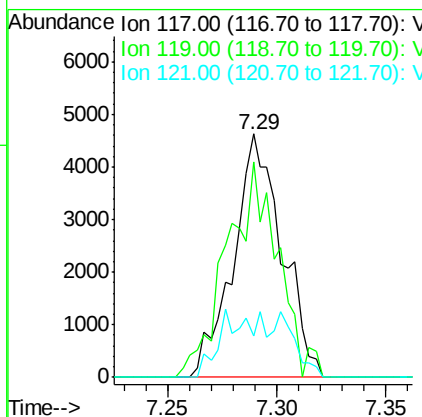
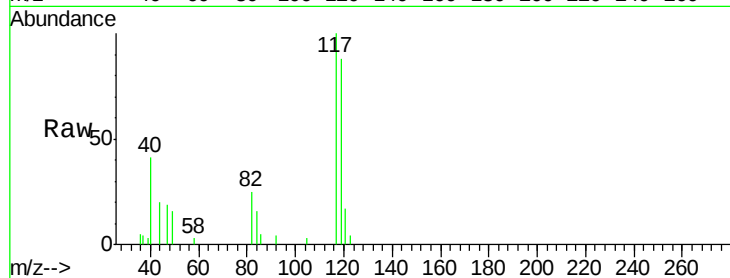
ClientSampleId :

MDL-AIR-5

Tot Ion:	117	Resp:	7189
Ion Ratio	Lower	Upper	
117	100		
119	88.3	74.2	111.4
121	16.8	24.2	36.4#

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#38

Trichloroethene

Concen: 0.04 ppbv m

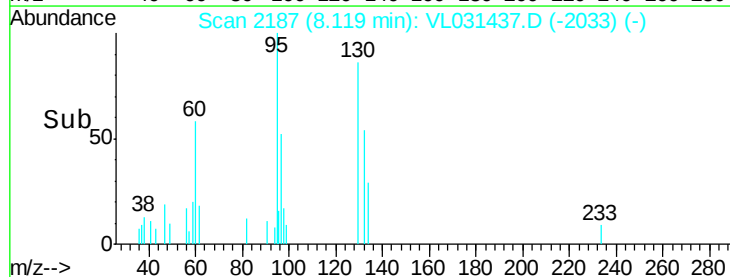
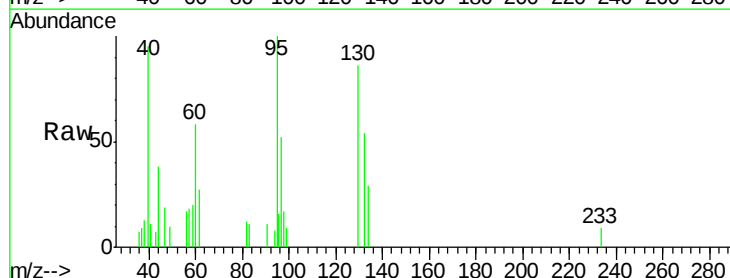
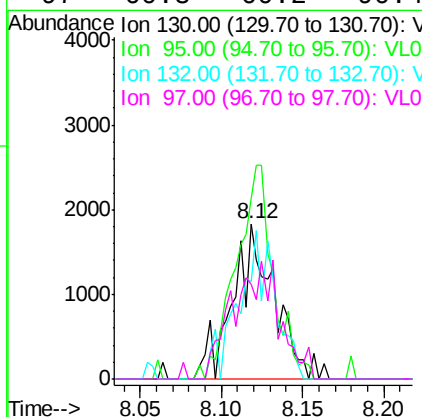
RT: 8.12 min Scan# 2187

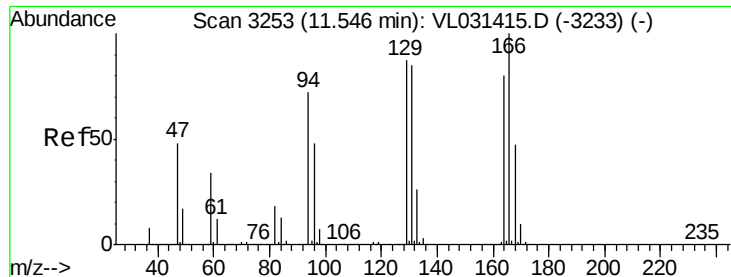
Delta R.T. -0.01 min

Lab File: VL031437.D

Acq: 23 Jan 2018 4:28

Tgt Ion:	130	Resp:	3286
Ion Ratio	Lower	Upper	
130	100		
95	116.1	92.9	139.3
132	62.8	74.9	112.3#
97	60.8	60.2	90.4





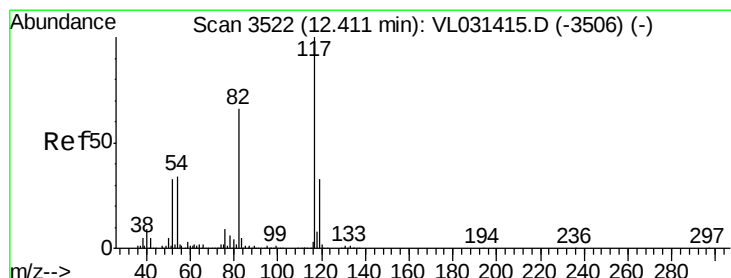
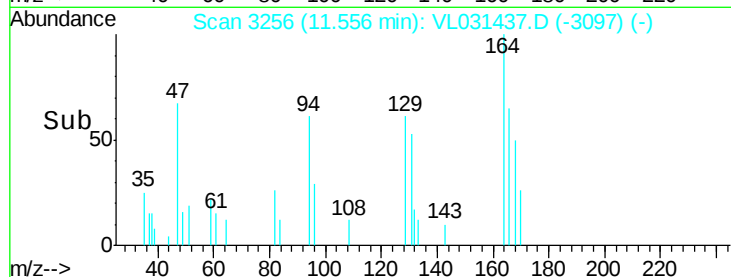
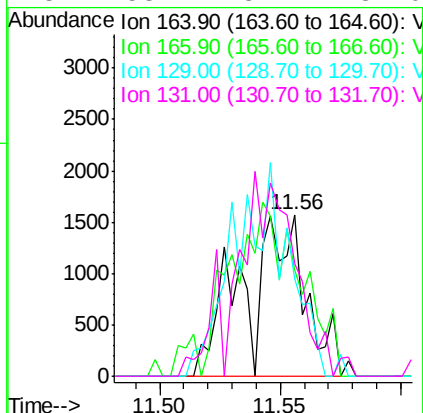
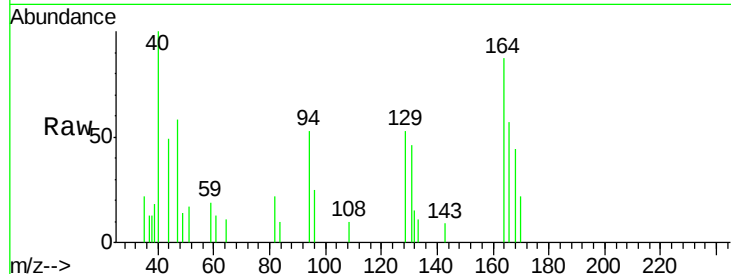
#52
Tetrachloroethene
Concen: 0.03 ppbv m
RT: 11.56 min Scan# 3256
Delta R.T. 0.01 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

Tot Ion	Ratio	Lower	Upper
164	100		
166	65.5	100.2	150.2#
129	60.6	91.4	137.0#
131	53.2	87.4	131.0#

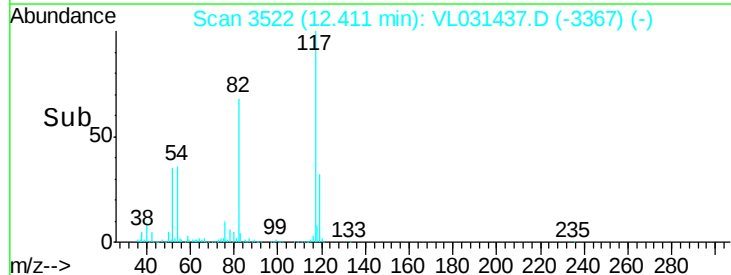
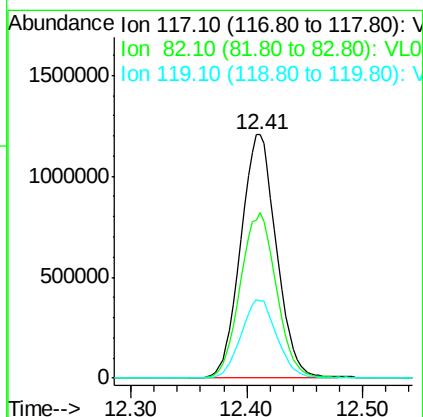
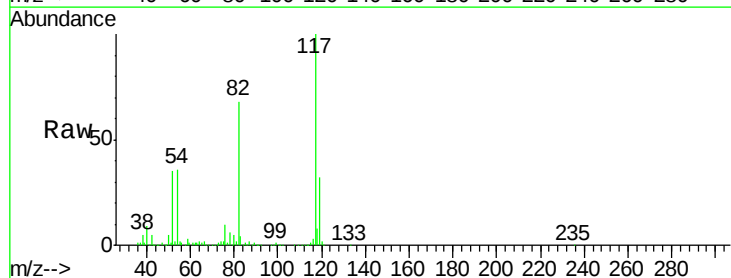
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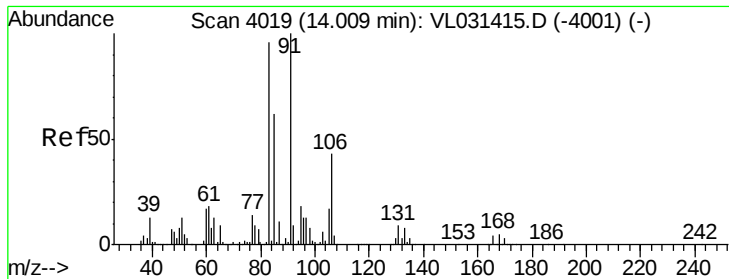
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#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.41 min Scan# 3522
Delta R.T. -0.00 min
Lab File: VL031437.D
Acq: 23 Jan 2018 4:28

Tgt Ion	Ratio	Lower	Upper
117	100		
82	68.8	51.8	77.6
119	32.4	24.2	36.2





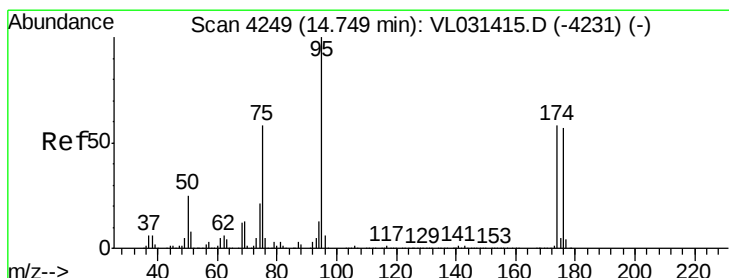
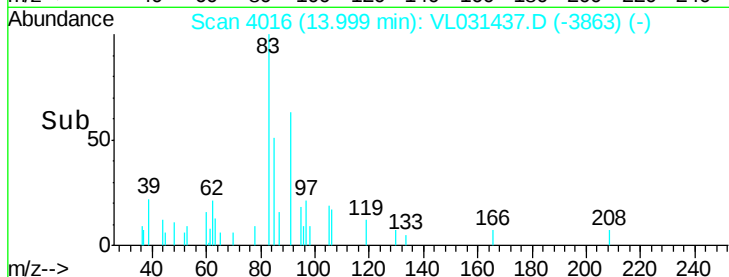
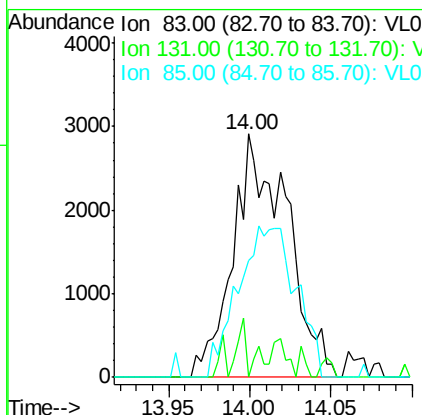
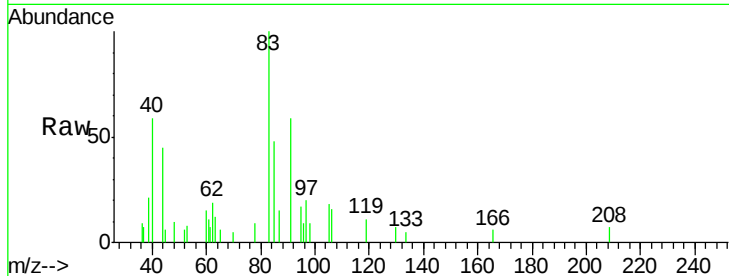
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.03 ppbv m
 RT: 14.00 min Scan# 4019
 Delta R.T. -0.01 min
 Lab File: VL031437.D
 Acq: 23 Jan 2018 4:28

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-5

Tot Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.8	14.3#
85	66.2	32.4	97.0

Manual Integrations
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.26 ppbv
 RT: 14.75 min Scan# 4249
 Delta R.T. 0.00 min
 Lab File: VL031437.D
 Acq: 23 Jan 2018 4:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	60.8	48.2	72.4
175	4.4	3.6	5.4

