

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL041918\
 Data File : VL031889.D
 Acq On : 19 Apr 2018 22:12
 Operator : SY/AP
 Sample : J2133-15 0.03 PPBV
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2018

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Quant Time: Apr 20 09:14:43 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL041218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Apr 13 16:50:02 2018
 QLast Update : Fri Apr 13 16:50:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.88	49	1105347	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.42	114	2478379	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	2453616	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.72	95	2007796	10.18	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.38	62	3821m	0.05	ppbv	
32) 1,1,1-Trichloroethane	6.75	97	9054m	0.04	ppbv	
35) Carbon Tetrachloride	7.26	117	10109m	0.05	ppbv	
38) Trichloroethene	8.10	130	3092m	0.03	ppbv	
52) Tetrachloroethene	11.52	164	3201m	0.04	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.99	83	10545m	0.05	ppbv	

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

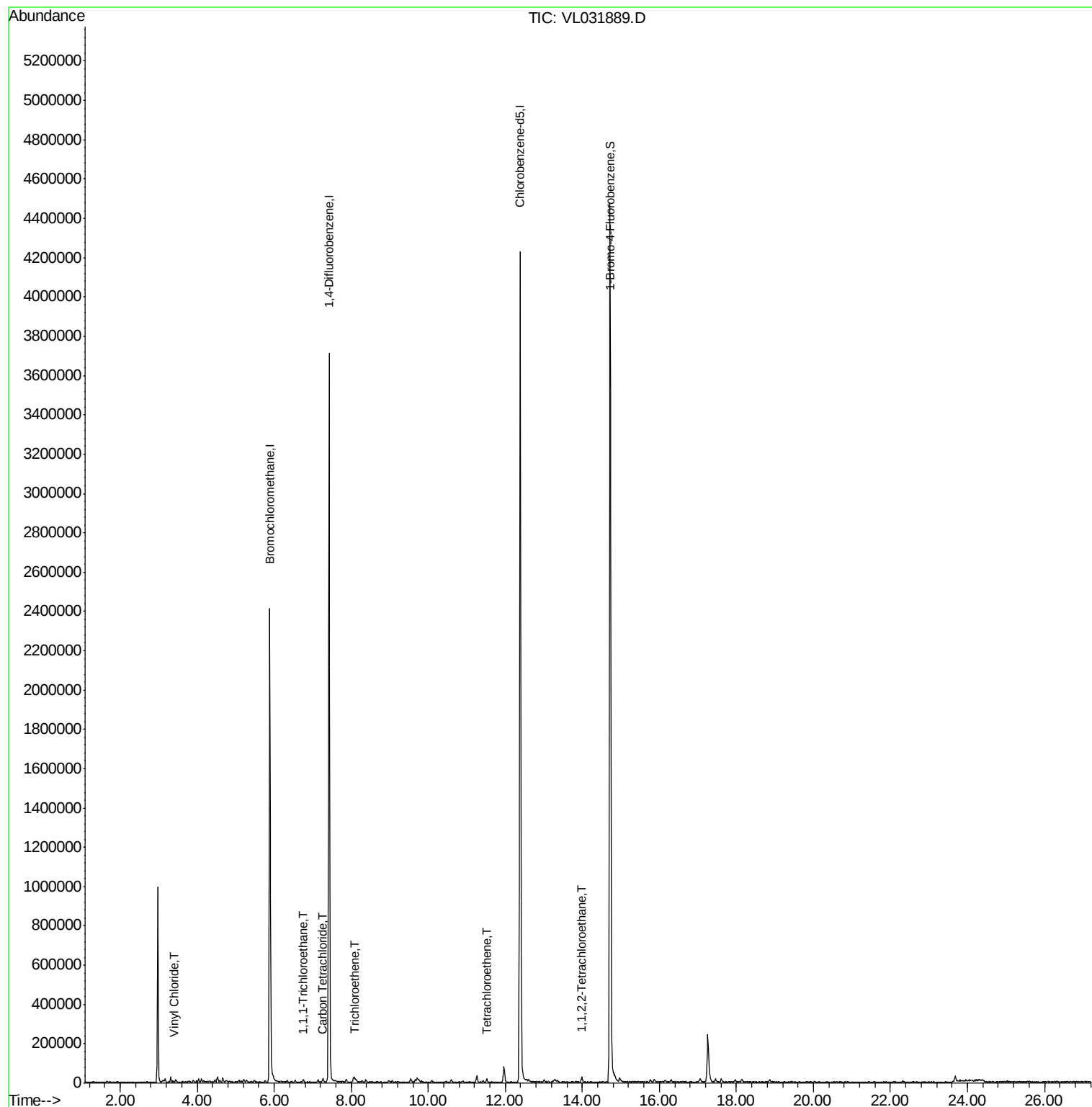
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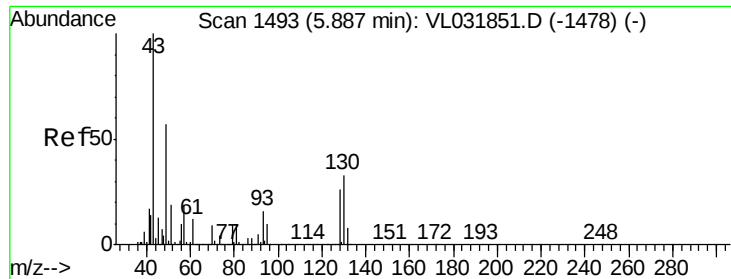
Instrument :
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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.88 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VL031889.D

Acq: 19 Apr 2018 22:12

Instrument :

MSVOA_L

ClientSampleId :

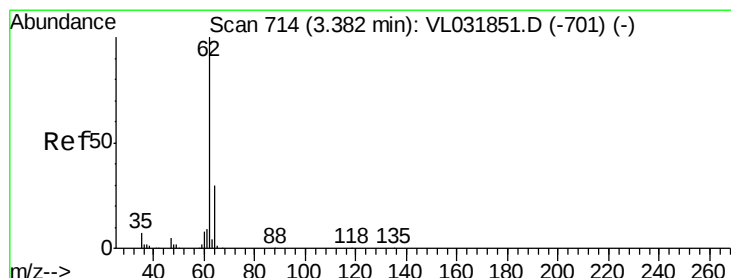
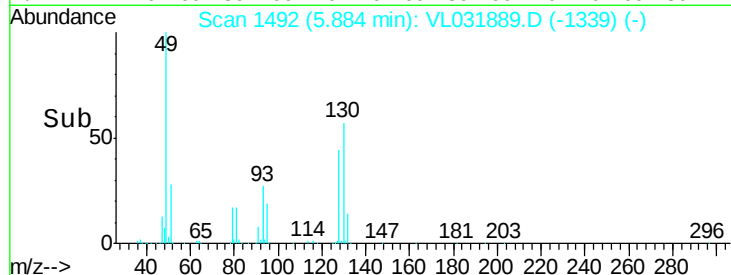
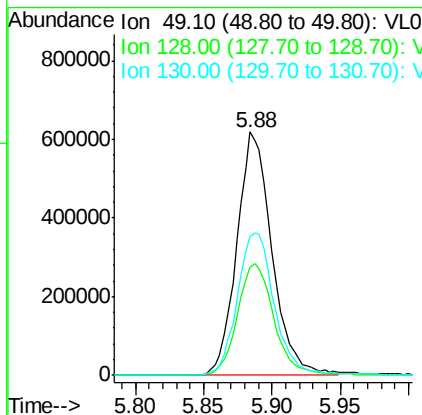
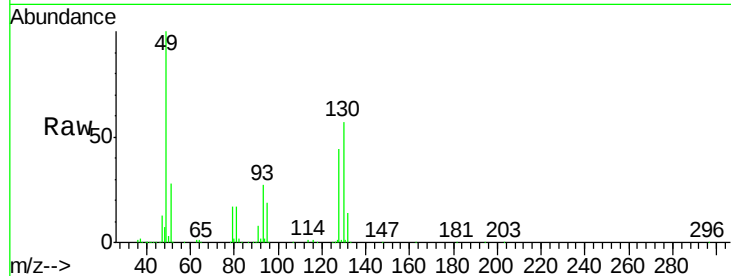
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Tot Ion: 49 Resp: 1105347

Ion	Ratio	Lower	Upper
49	100		
128	48.1	23.9	71.7
130	62.4	30.9	92.7

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#5

Vinyl Chloride

Concen: 0.05 ppbv m

RT: 3.38 min Scan# 714

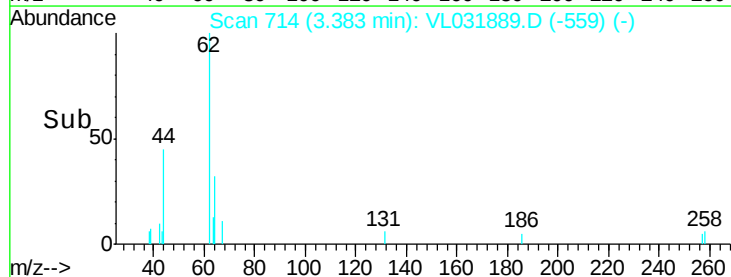
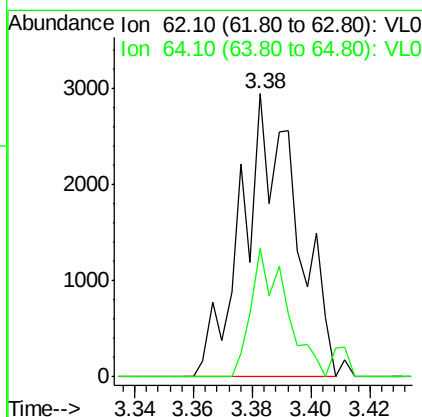
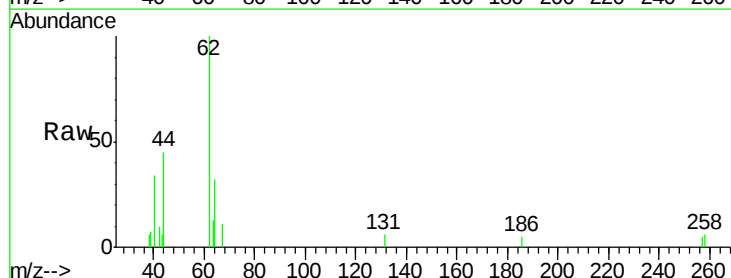
Delta R.T. -0.00 min

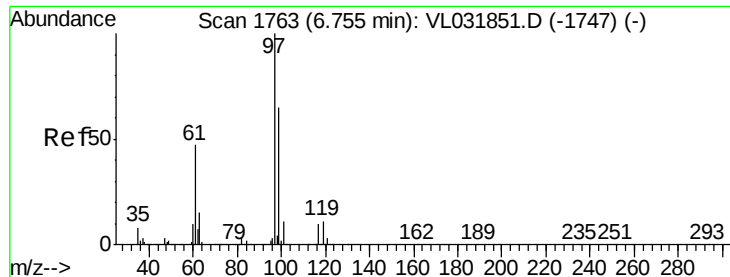
Lab File: VL031889.D

Acq: 19 Apr 2018 22:12

Tgt Ion: 62 Resp: 3821

Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.9	38.9





#32

1,1,1-Trichloroethane

Concen: 0.04 ppbv m

RT: 6.75 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VL031889.D

Acq: 19 Apr 2018 22:12

Instrument :

MSVOA_L

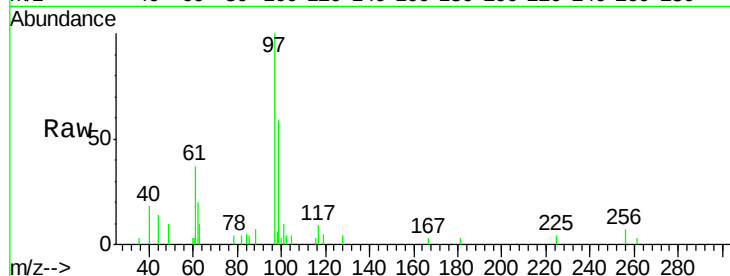
ClientSampleId :

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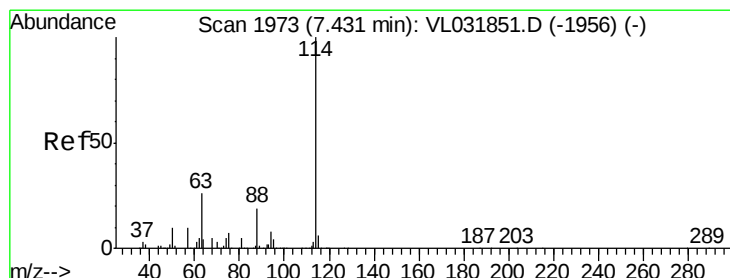
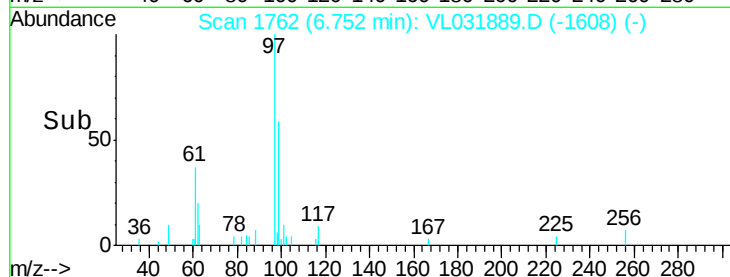
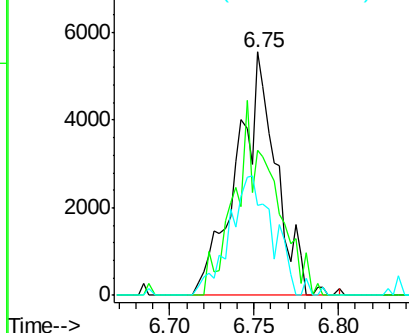
Tot Ion:	97	Resp:	9054
Ion	Ratio	Lower	Upper
97	100		
99	78.0	51.5	77.3#
61	53.7	40.0	60.0

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Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

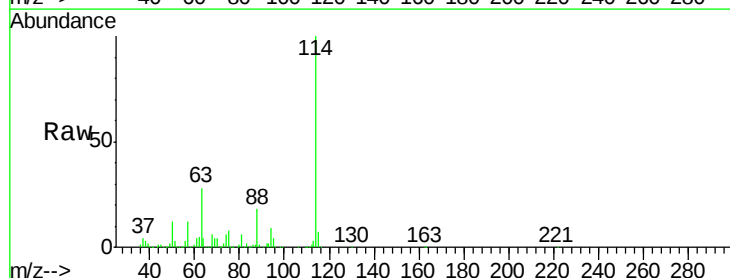
RT: 7.42 min Scan# 1971

Delta R.T. -0.01 min

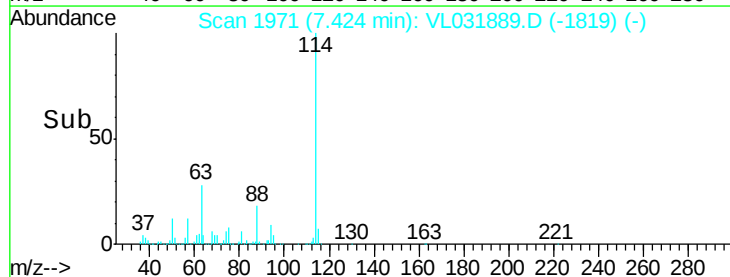
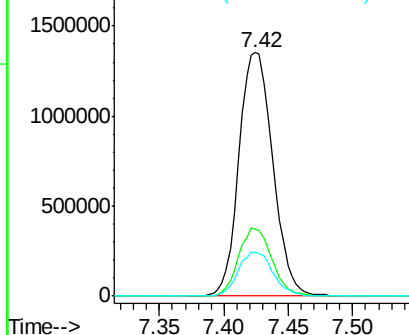
Lab File: VL031889.D

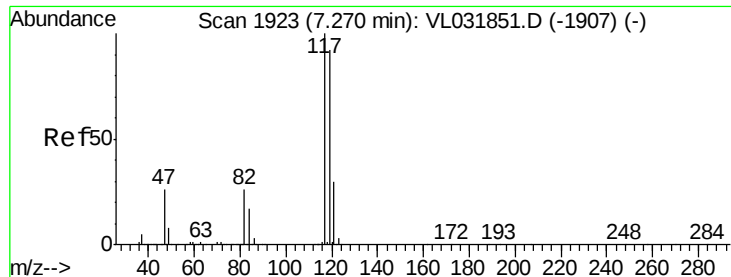
Acq: 19 Apr 2018 22:12

Tgt Ion:	114	Resp:	2478379
Ion	Ratio	Lower	Upper
114	100		
63	27.6	21.8	32.6
88	18.4	14.6	22.0



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: 0.05 ppbv m

RT: 7.26 min Scan# 1921

Delta R.T. -0.01 min

Lab File: VL031889.D

Acq: 19 Apr 2018 22:12

Instrument :

MSVOA_L

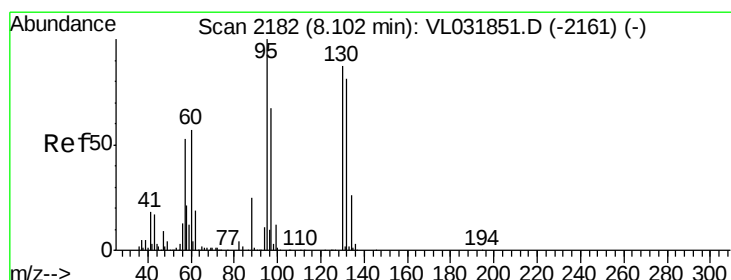
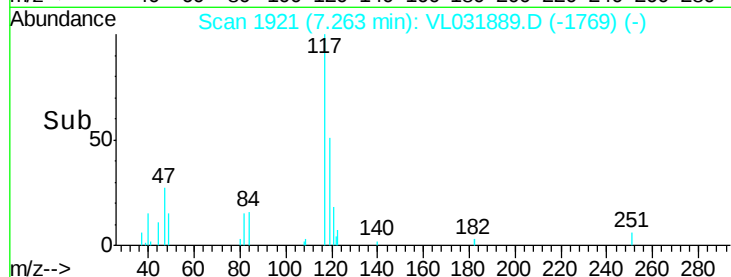
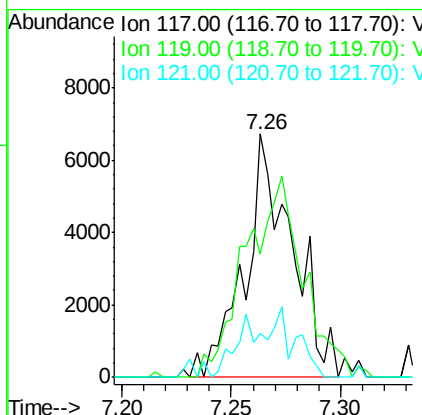
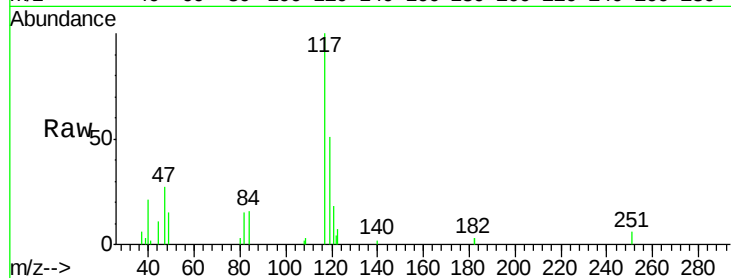
ClientSampleId :

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Tot Ion:117	Resp:	10109
Ion Ratio	Lower	Upper
117	100	
119	50.6	76.9 115.3#
121	18.2	24.5 36.7#

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#38

Trichloroethene

Concen: 0.03 ppbv m

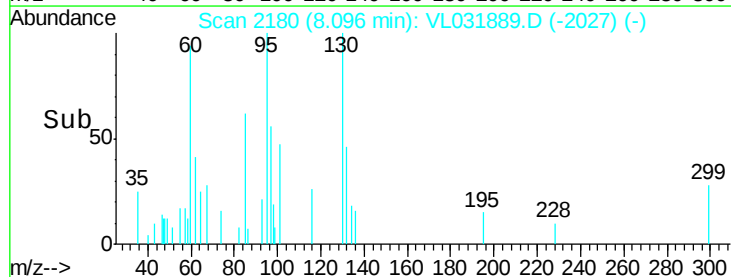
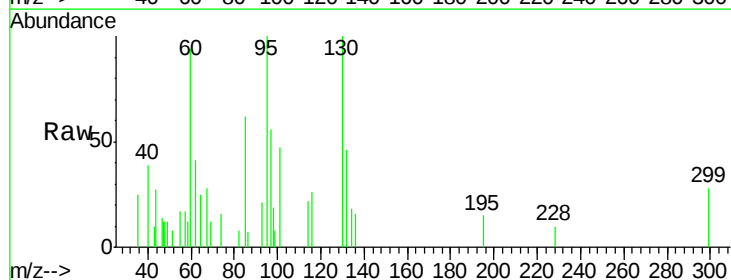
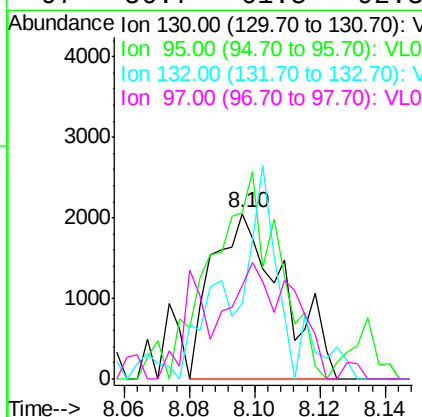
RT: 8.10 min Scan# 2180

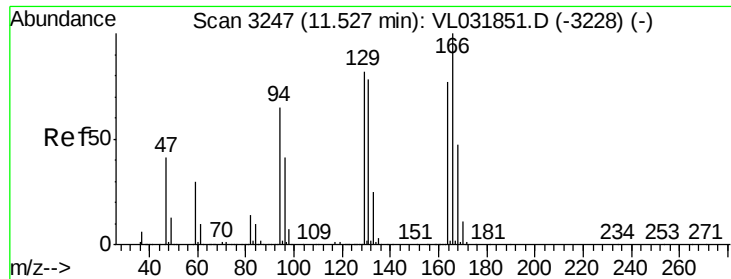
Delta R.T. -0.01 min

Lab File: VL031889.D

Acq: 19 Apr 2018 22:12

Tgt Ion:130	Resp:	3092
Ion Ratio	Lower	Upper
130	100	
95	100.4	96.6 144.8
132	46.0	79.1 118.7#
97	56.7	61.5 92.3#





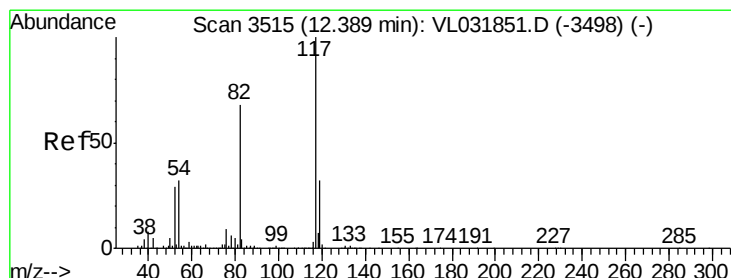
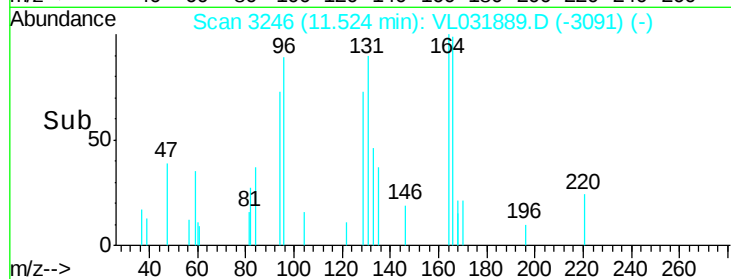
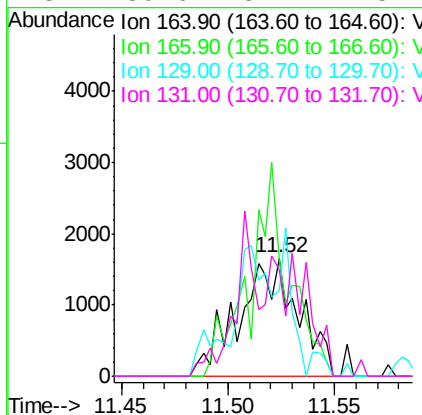
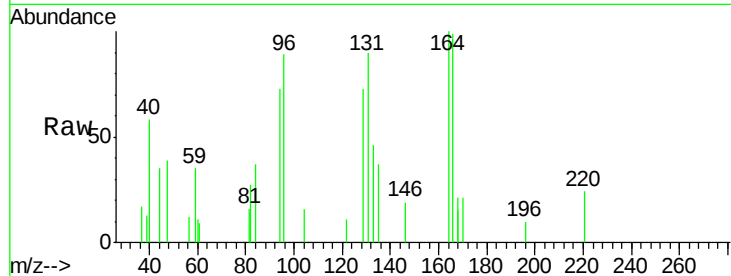
#52
Tetrachloroethene
Concen: 0.04 ppbv m
RT: 11.52 min Scan# 3246
Delta R.T. -0.00 min
Lab File: VL031889.D
Acq: 19 Apr 2018 22:12

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
164	100		
166	98.7	98.2	147.4
129	73.1	86.5	129.7#
131	89.6	82.2	123.2

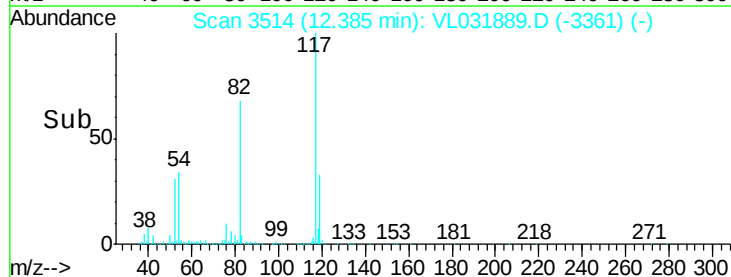
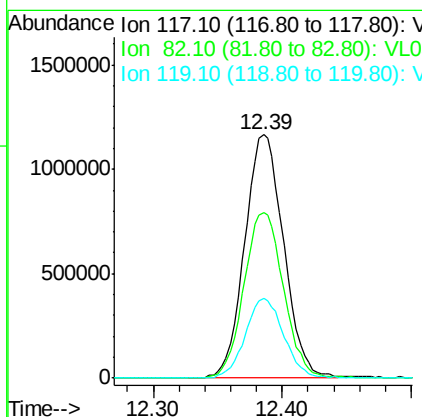
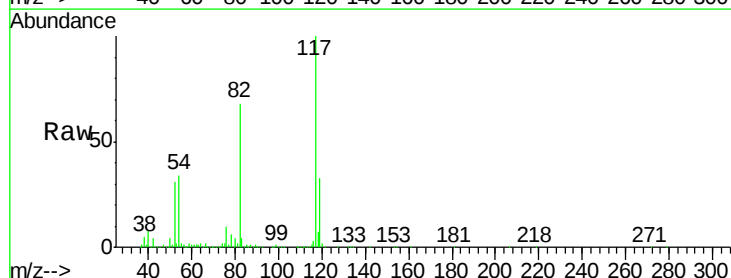
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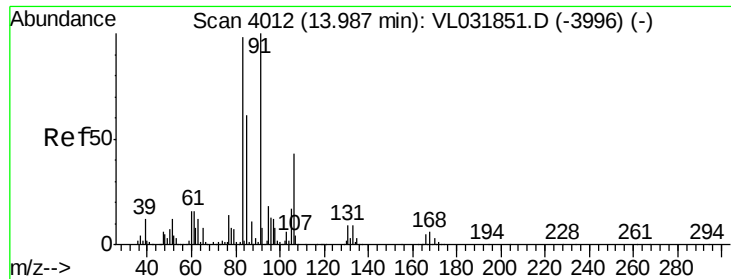
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#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.39 min Scan# 3514
Delta R.T. -0.01 min
Lab File: VL031889.D
Acq: 19 Apr 2018 22:12

Tgt Ion	Ratio	Lower	Upper
117	100		
82	69.5	54.6	81.8
119	32.7	26.0	39.0





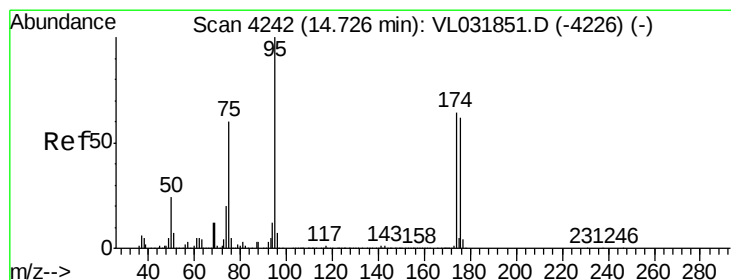
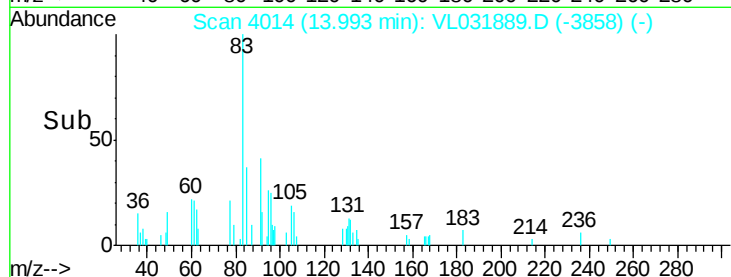
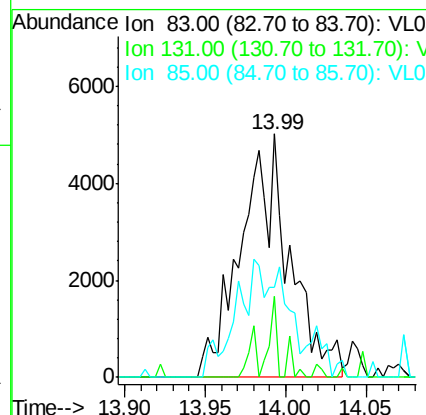
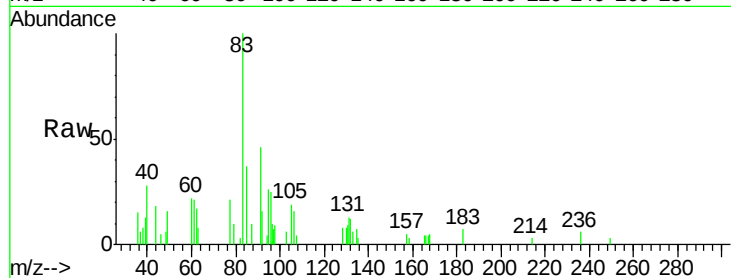
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.05 ppbv m
 RT: 13.99 min Scan# 4014
 Delta R.T. 0.00 min
 Lab File: VL031889.D
 Acq: 19 Apr 2018 22:12

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2018

Tot Ion	83	Resp	10545
Ion Ratio	Lower	Upper	
83	100		
131	0.0	4.9	14.6#
85	55.8	32.2	96.6

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.18 ppbv
 RT: 14.72 min Scan# 4240
 Delta R.T. -0.01 min
 Lab File: VL031889.D
 Acq: 19 Apr 2018 22:12

Tgt Ion	95	Resp	2007796
Ion Ratio	Lower	Upper	
95	100		
174	64.3	52.3	78.5
175	4.5	3.9	5.9

