

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL012218\
 Data File : VL031420.D
 Acq On : 22 Jan 2018 16:37
 Operator : SY/AP
 Sample : VSTDIC0.03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Manual Integrations
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 1/24/2018 5:10:14 PM

Quant Time: Jan 22 17:10:40 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 16:42:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.90	49	1242722	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.44	114	2849275	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	2842612	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	2297133	10.23	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.40	62	1728m	0.02	ppbv	
32) 1,1,1-Trichloroethane	6.77	97	5580m	0.02	ppbv	
35) Carbon Tetrachloride	7.28	117	6158m	0.02	ppbv	
38) Trichloroethene	8.12	130	2228	0.02	ppbv #	76
52) Tetrachloroethene	11.55	164	2241m	0.02	ppbv	
63) 1,1,2,2-Tetrachloroethane	14.01	83	7569m	0.03	ppbv	

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

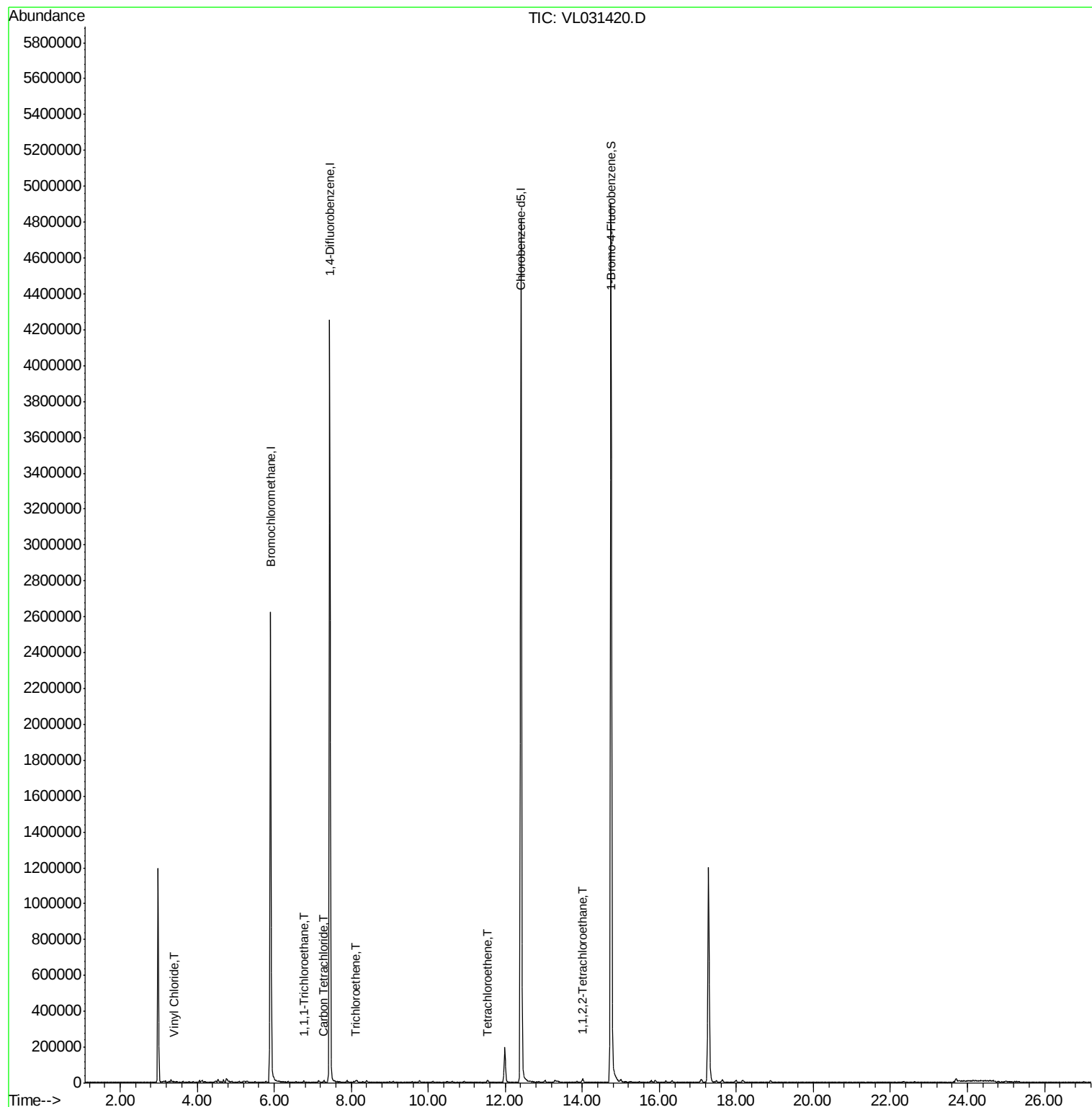
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL012218\
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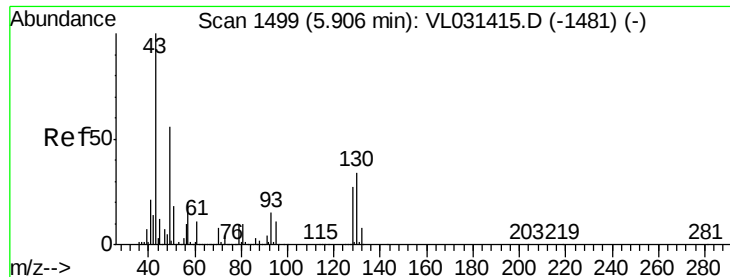
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

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Quant Time: Jan 22 17:10:40 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 16:42:46 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.90 min Scan# 1498

Delta R.T. -0.01 min

Lab File: VL031420.D

Acq: 22 Jan 2018 16:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion: 49 Resp: 1242722

Ion Ratio Lower Upper

49 100

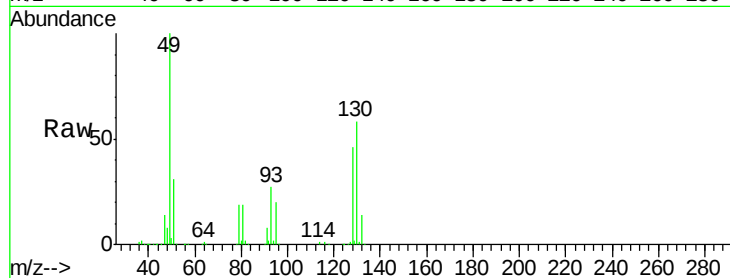
128 46.6 23.5 70.6

130 58.8 29.9 89.7

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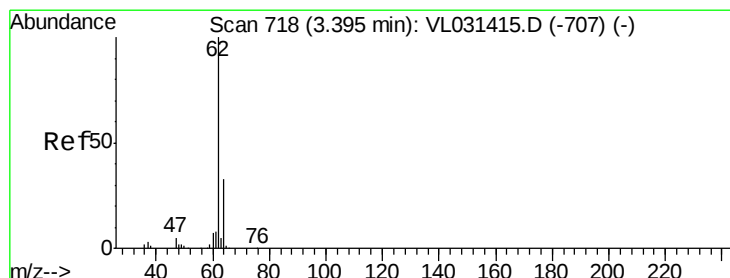
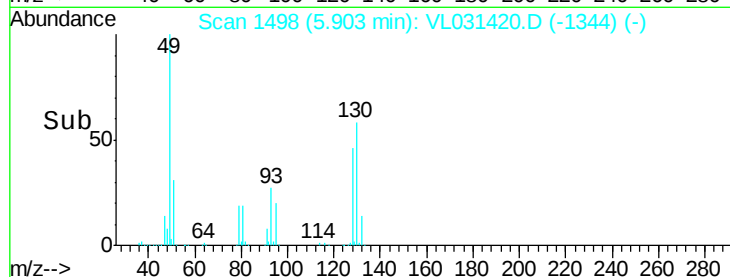
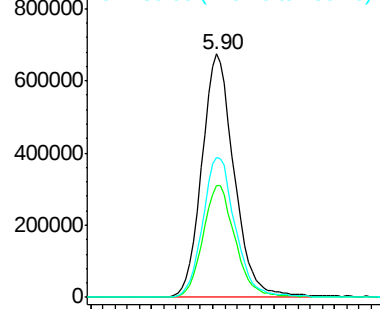
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#5

Vinyl Chloride

Concen: 0.02 ppbv m

RT: 3.40 min Scan# 718

Delta R.T. -0.00 min

Lab File: VL031420.D

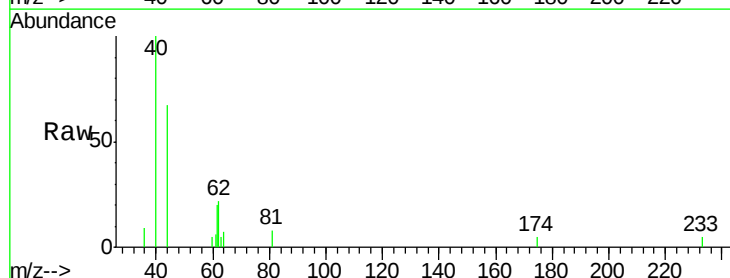
Acq: 22 Jan 2018 16:37

Tgt Ion: 62 Resp: 1728

Ion Ratio Lower Upper

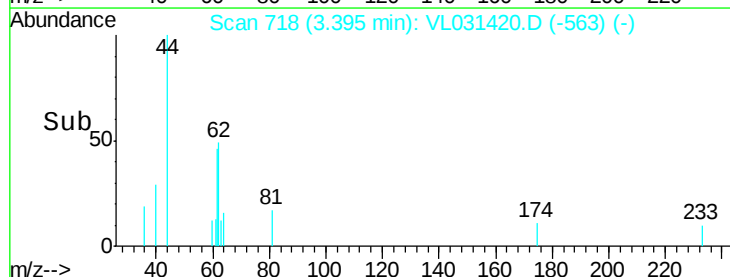
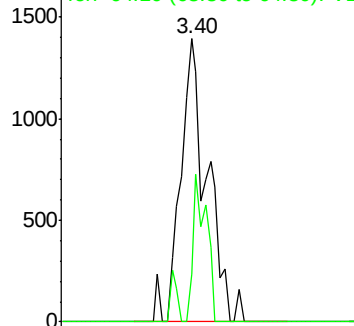
62 100

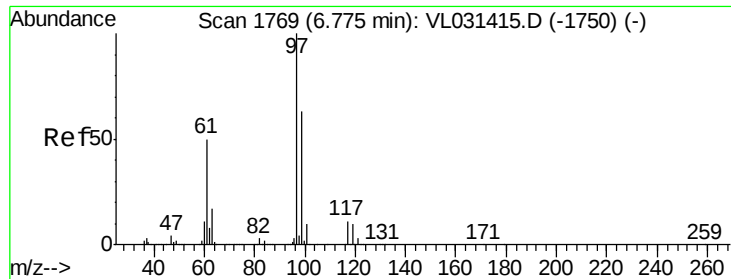
64 33.1 25.4 38.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#32

1,1,1-Trichloroethane

Concen: 0.02 ppbv m

RT: 6.77 min Scan# 1769

Delta R.T. 0.00 min

Lab File: VL031420.D

Acq: 22 Jan 2018 16:37

Instrument :

MSVOA_L

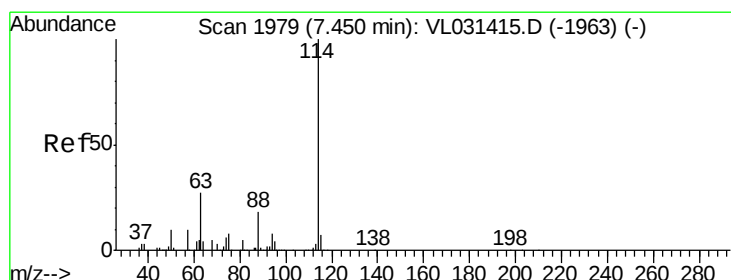
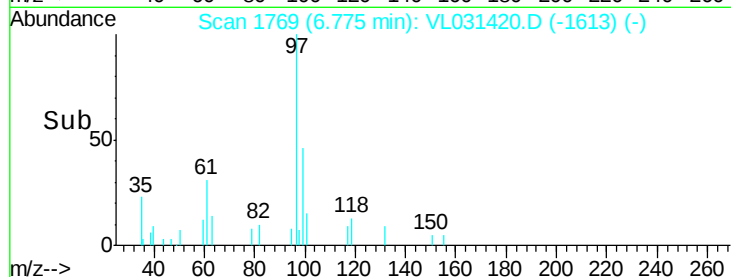
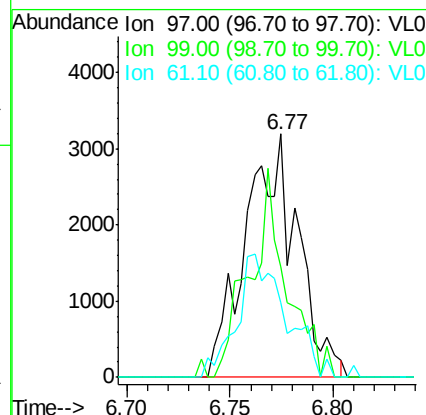
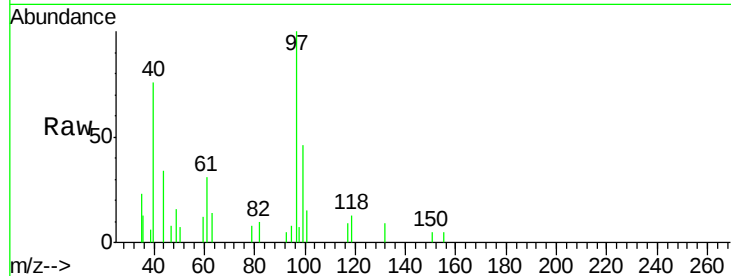
ClientSampleId :

VSTDIC0.03

Tot Ion:	97	Resp:	5580
Ion	Ratio	Lower	Upper
97	100		
99	62.5	51.9	77.9
61	48.5	40.6	61.0

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#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

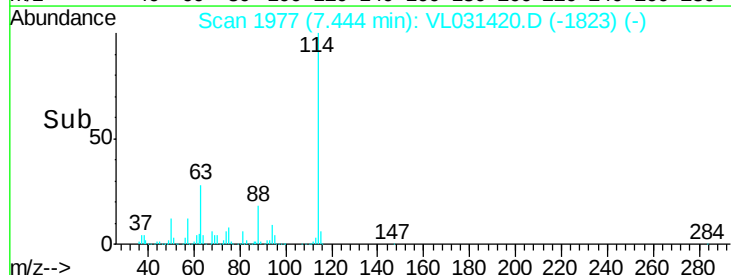
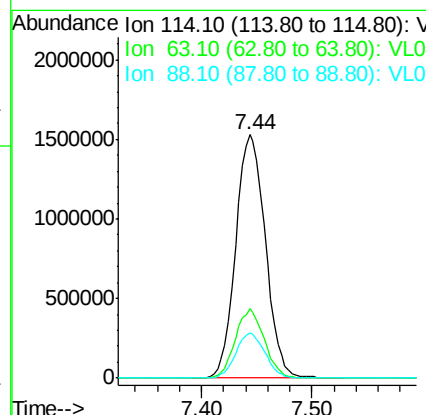
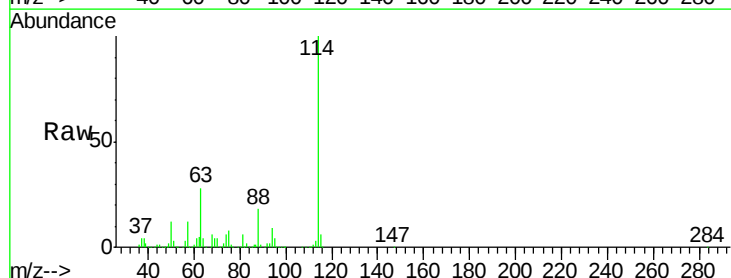
RT: 7.44 min Scan# 1977

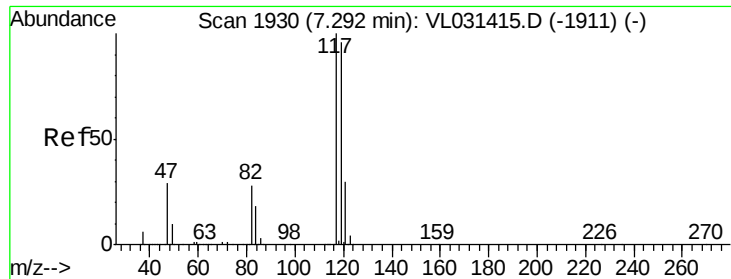
Delta R.T. -0.01 min

Lab File: VL031420.D

Acq: 22 Jan 2018 16:37

Tgt Ion:	114	Resp:	2849275
Ion	Ratio	Lower	Upper
114	100		
63	27.9	22.5	33.7
88	18.3	14.6	22.0





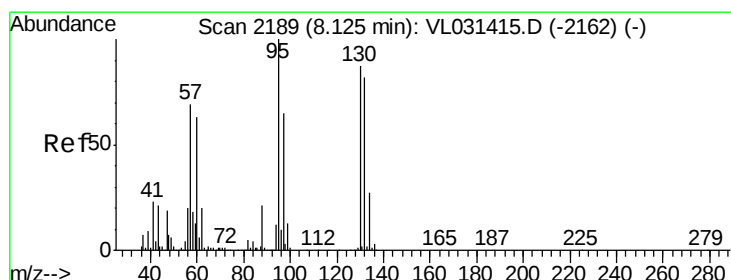
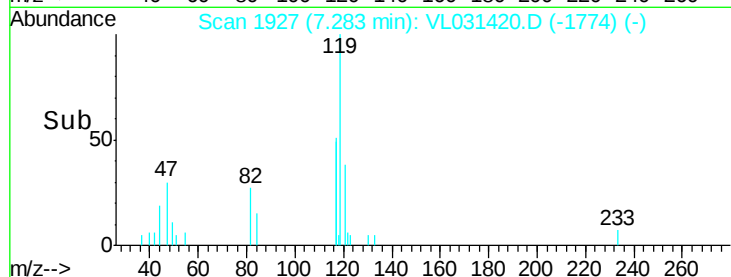
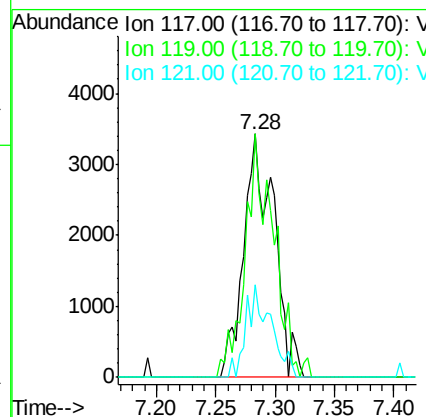
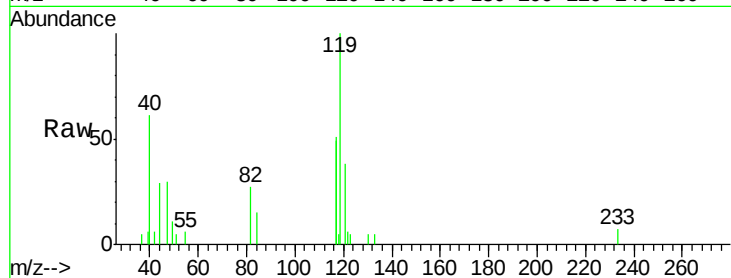
#35
Carbon Tetrachloride
Concen: 0.02 ppbv m
RT: 7.28 min Scan# 1927
Delta R.T. -0.01 min
Lab File: VL031420.D
Acq: 22 Jan 2018 16:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
117	100		
119	194.3	74.2	111.4#
121	73.8	24.2	36.4#

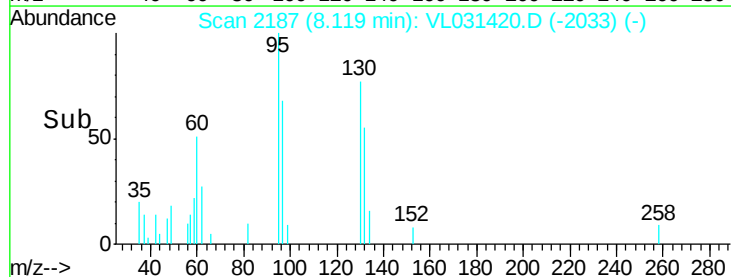
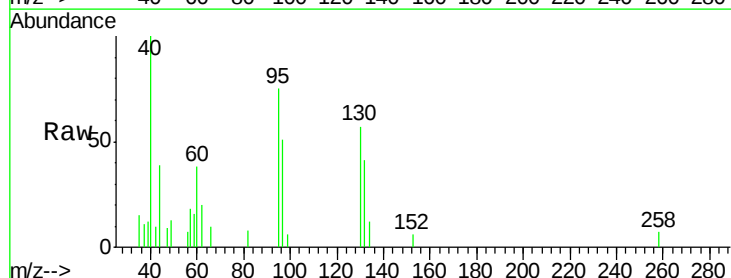
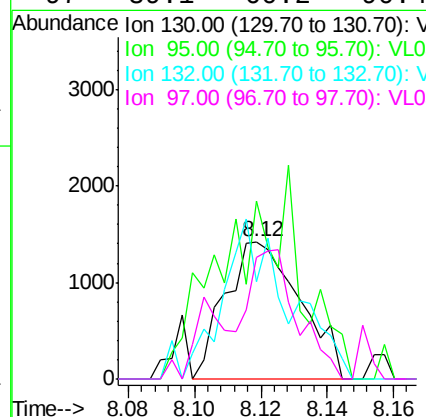
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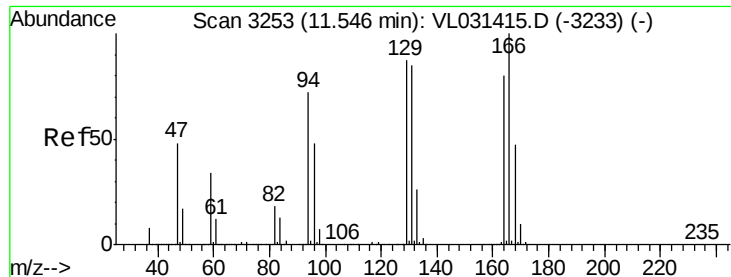
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#38
Trichloroethene
Concen: 0.02 ppbv
RT: 8.12 min Scan# 2187
Delta R.T. -0.01 min
Lab File: VL031420.D
Acq: 22 Jan 2018 16:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.2	92.9	139.3
132	56.5	74.9	112.3#
97	89.1	60.2	90.4





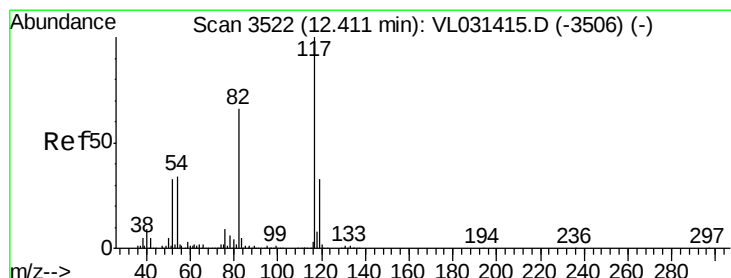
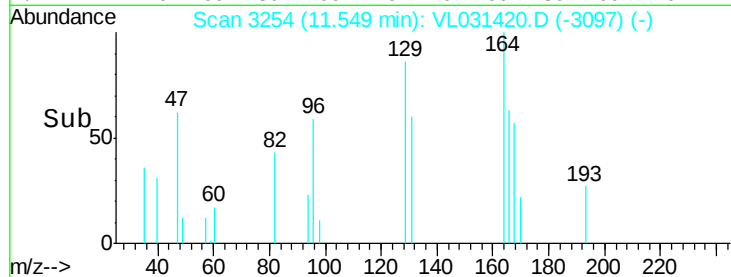
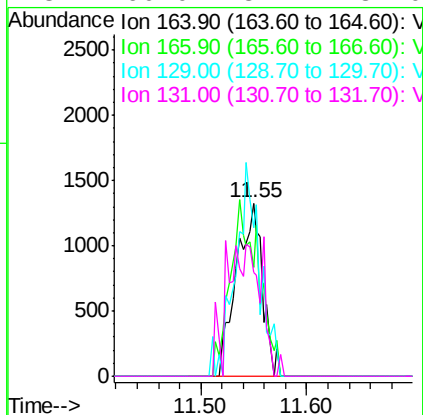
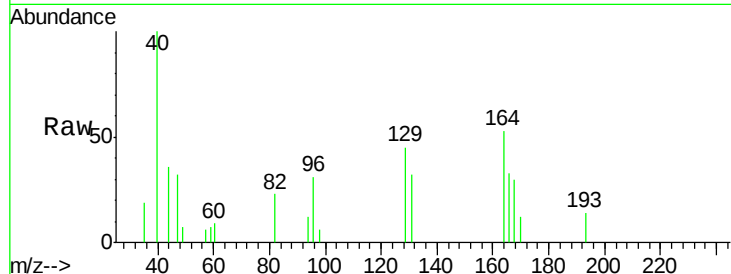
#52
Tetrachloroethene
Concen: 0.02 ppbv m
RT: 11.55 min Scan# 3254
Delta R.T. 0.00 min
Lab File: VL031420.D
Acq: 22 Jan 2018 16:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
164	100		
166	62.6	100.2	150.2#
129	85.9	91.4	137.0#
131	60.0	87.4	131.0#

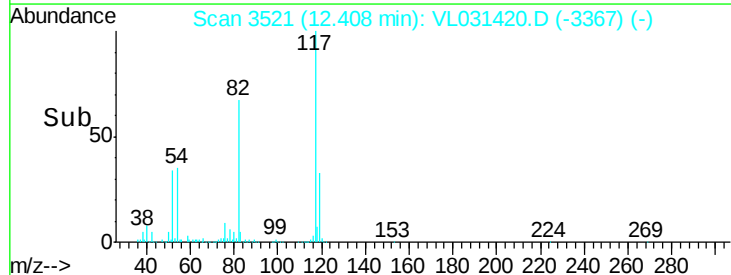
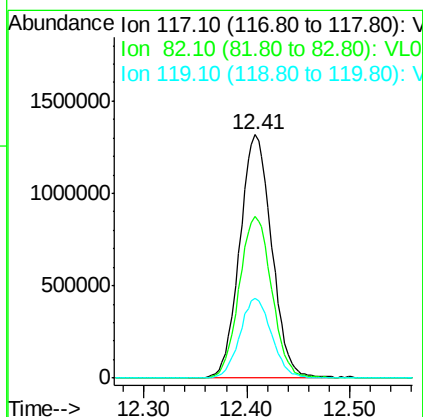
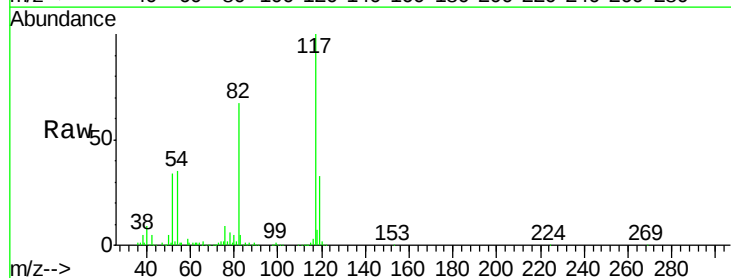
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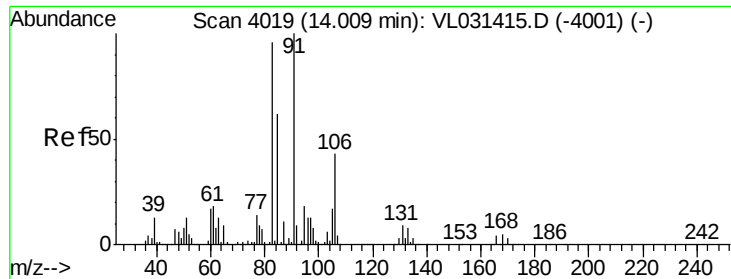
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#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.41 min Scan# 3521
Delta R.T. -0.01 min
Lab File: VL031420.D
Acq: 22 Jan 2018 16:37

Tgt Ion	Ratio	Lower	Upper
117	100		
82	68.1	51.8	77.6
119	32.8	24.2	36.2





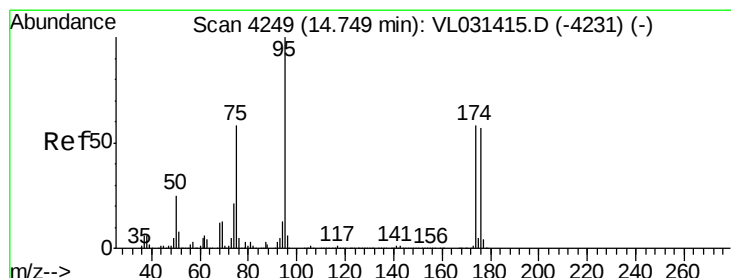
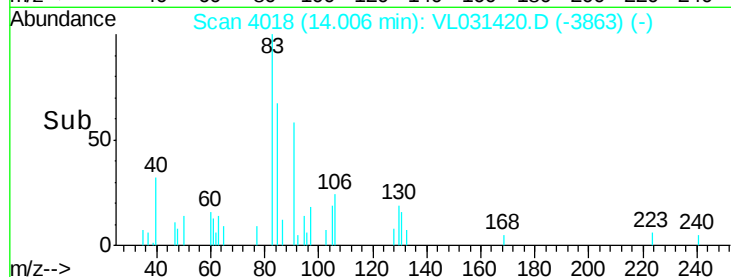
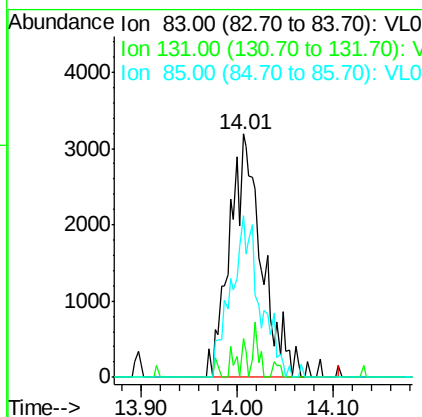
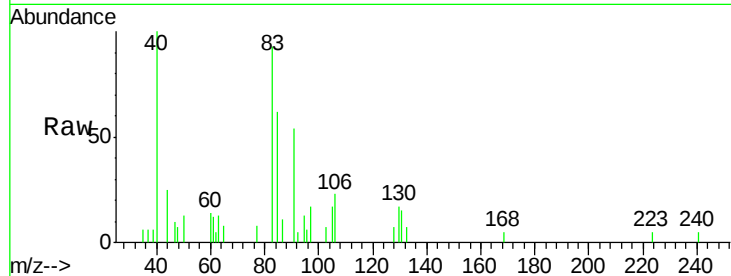
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.03 ppbv m
 RT: 14.01 min Scan# 4018
 Delta R.T. -0.00 min
 Lab File: VL031420.D
 Acq: 22 Jan 2018 16:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

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

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.23 ppbv
 RT: 14.75 min Scan# 4248
 Delta R.T. -0.00 min
 Lab File: VL031420.D
 Acq: 22 Jan 2018 16:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	62.0	48.2	72.4
175	4.5	3.6	5.4

