

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL121317\
 Data File : VL031216.D
 Acq On : 14 Dec 2017 00:57
 Operator : SY/AP
 Sample : VSTDIC0.1
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Manual Integrations
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 12/15/2017 4:06:58 PM

Quant Time: Dec 14 04:16:52 2017
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL121317AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec 14 2017
 QLast Update : Thu Dec 14 03:40:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.91	49	1665492	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	3973339	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	3895974	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	2876781	9.55	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.40	62	10237	0.11	ppbv	92
32) 1,1,1-Trichloroethane	6.77	97	27440	0.11	ppbv	98
35) Carbon Tetrachloride	7.29	117	26740	0.10	ppbv	94
38) Trichloroethene	8.12	130	17588	0.10	ppbv	93
52) Tetrachloroethene	11.55	164	17157m	0.11	ppbv	
63) 1,1,2,2-Tetrachloroethane	14.00	83	36933m	0.08	ppbv	

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

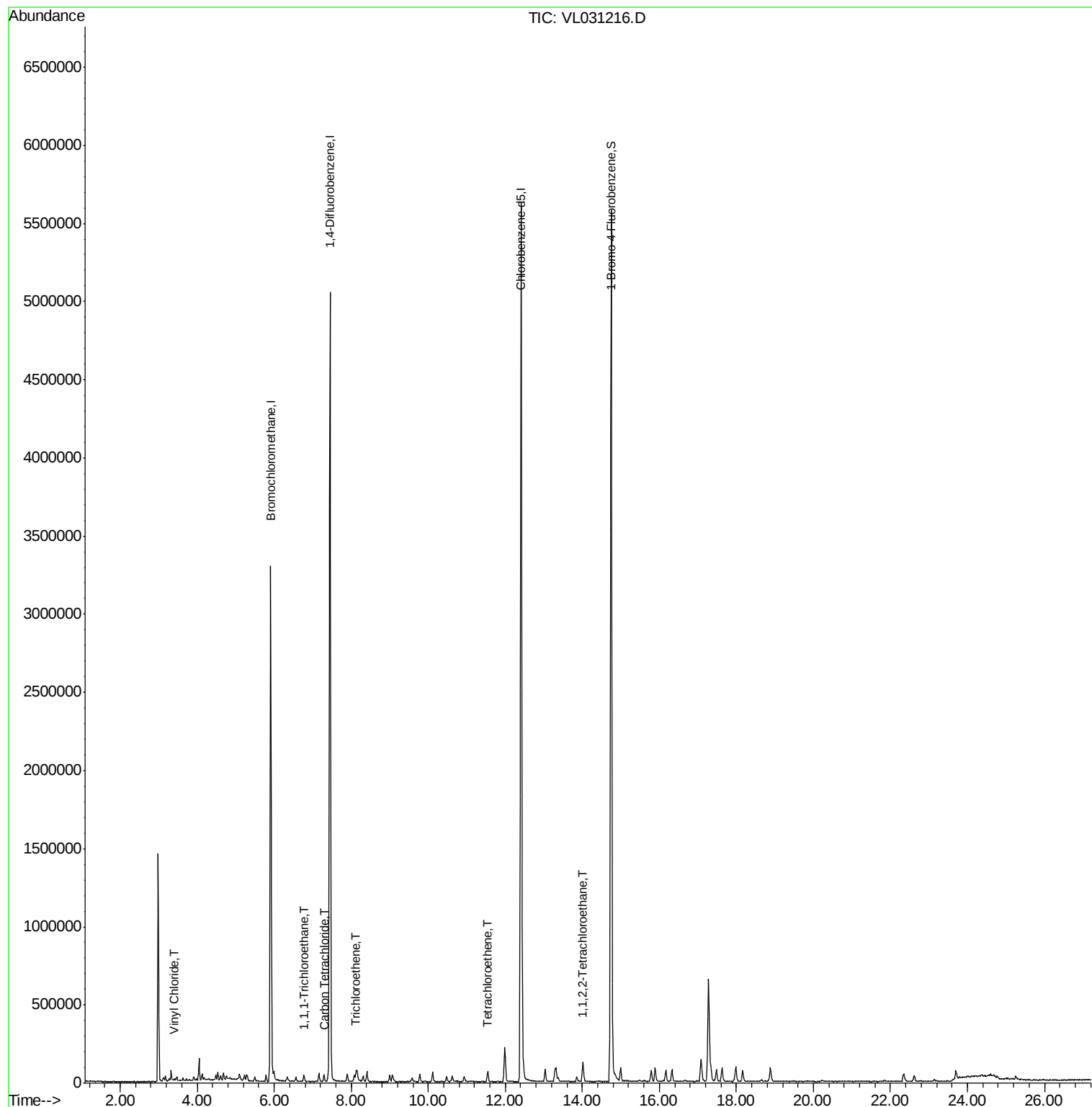
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL121317\
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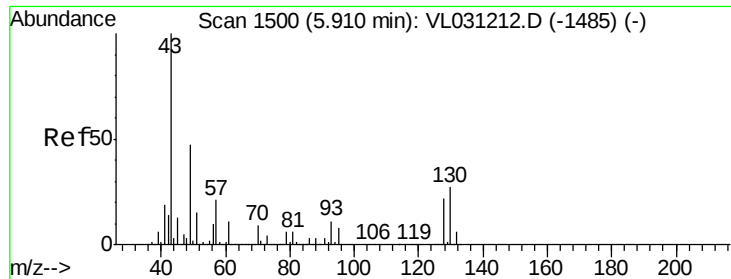
Instrument :
MSVOA_L
ClientSampleId :
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Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL121317AIR.M
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QLast Update : Thu Dec 14 03:40:57 2017
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.91 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VL031216.D

Acq: 14 Dec 2017 00:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion: 49 Resp: 1665492

Ion Ratio Lower Upper

49 100

128 48.3 23.2 69.5

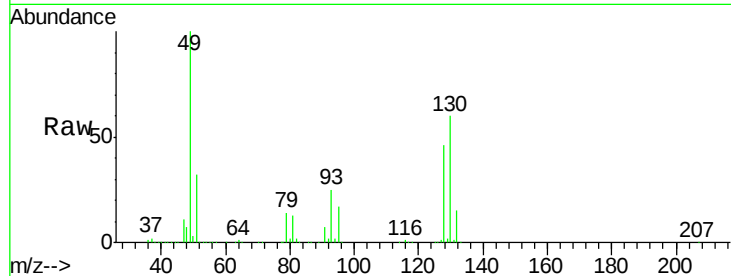
130 61.7 29.6 88.8

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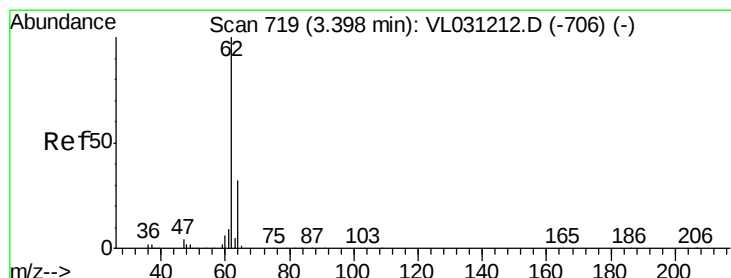
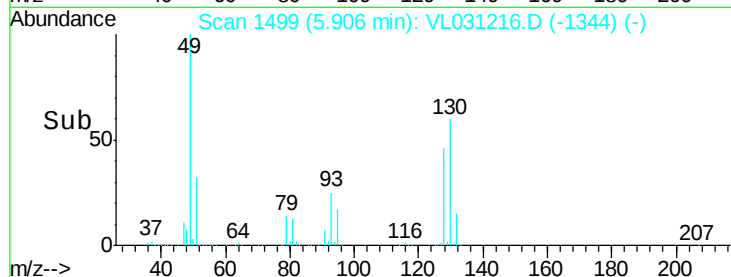
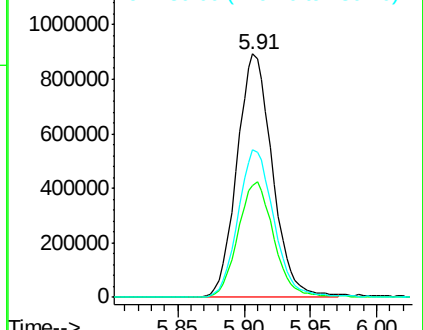
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#5

Vinyl Chloride

Concen: 0.11 ppbv

RT: 3.40 min Scan# 720

Delta R.T. 0.00 min

Lab File: VL031216.D

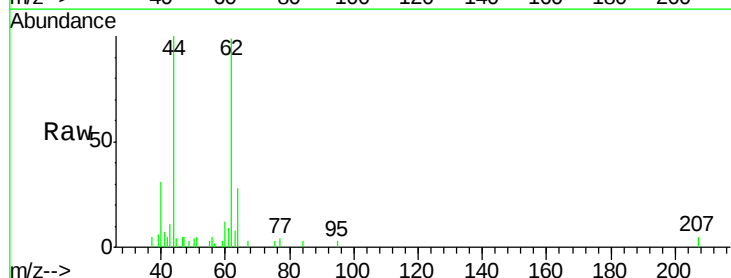
Acq: 14 Dec 2017 00:57

Tgt Ion: 62 Resp: 10237

Ion Ratio Lower Upper

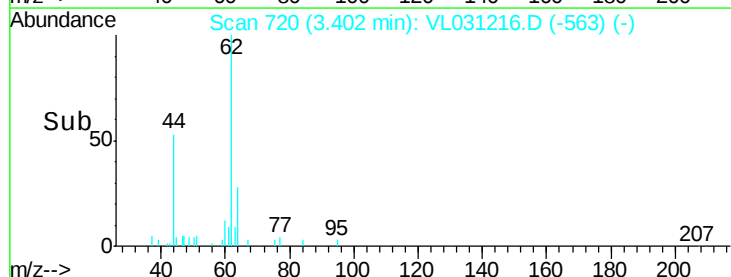
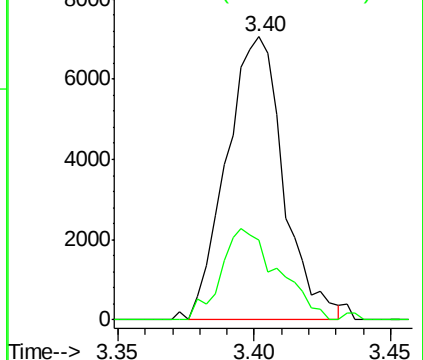
62 100

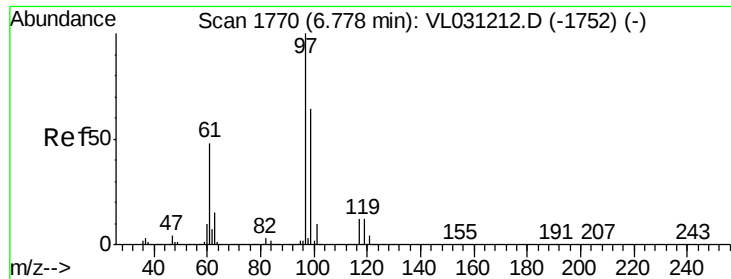
64 28.1 25.9 38.9



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: 0.11 ppbv

RT: 6.77 min Scan# 1769

Delta R.T. -0.00 min

Lab File: VL031216.D

Acq: 14 Dec 2017 00:57

Instrument :

MSVOA_L

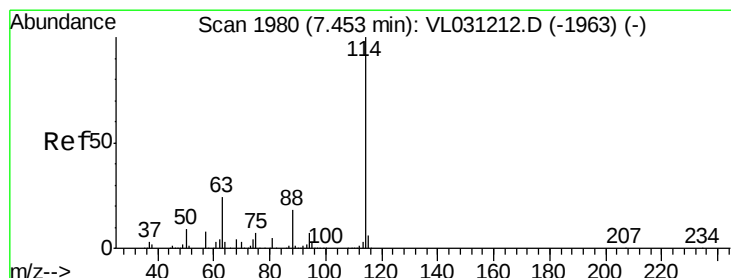
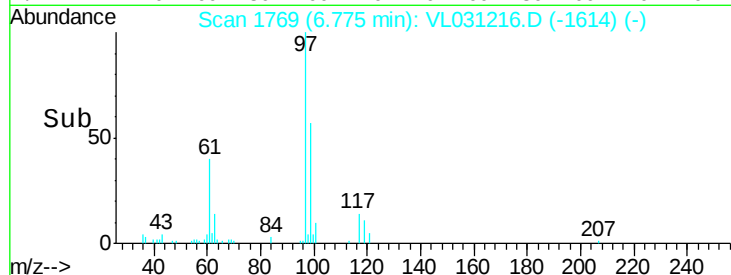
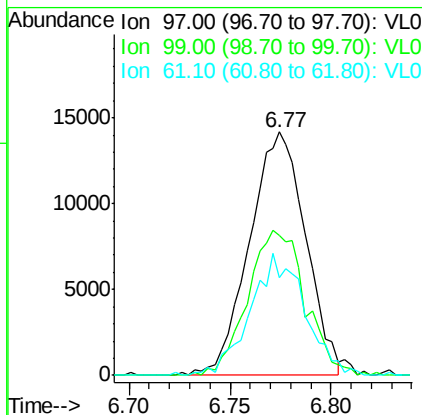
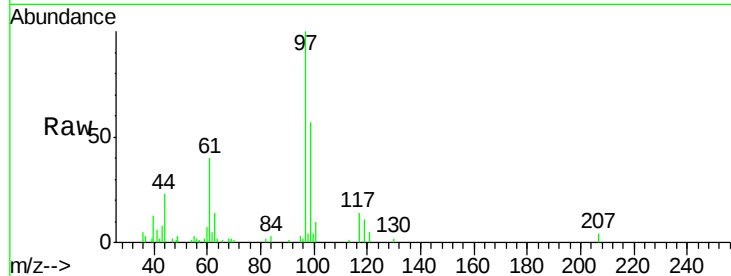
ClientSampleId :

VSTDIC0.1

Tot Ion:	97	Resp:	27440
Ion	Ratio	Lower	Upper
97	100		
99	61.5	51.4	77.0
61	48.7	38.4	57.6

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#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

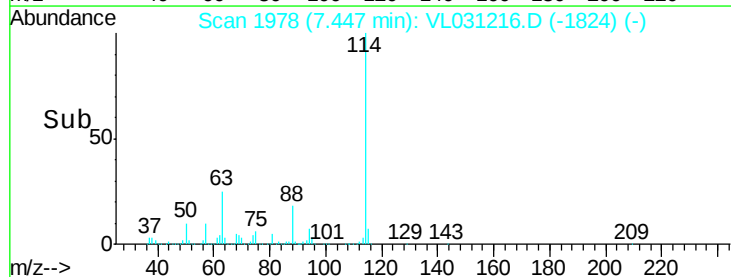
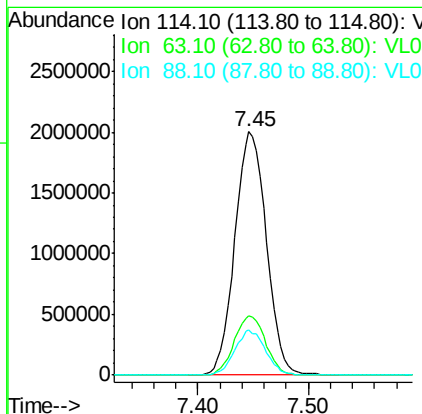
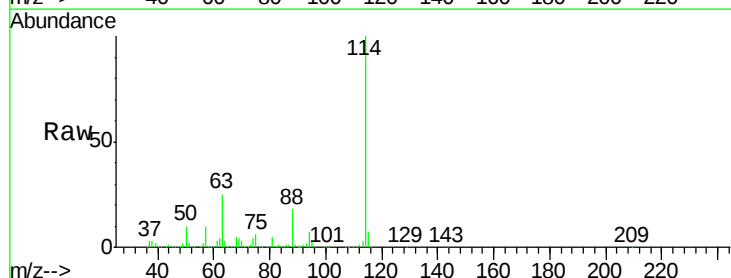
RT: 7.45 min Scan# 1978

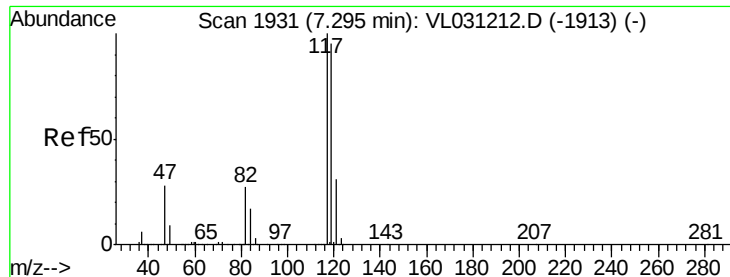
Delta R.T. -0.01 min

Lab File: VL031216.D

Acq: 14 Dec 2017 00:57

Tgt Ion:	114	Resp:	3973339
Ion	Ratio	Lower	Upper
114	100		
63	24.4	19.8	29.8
88	18.0	14.2	21.4





#35

Carbon Tetrachloride

Concen: 0.10 ppbv

RT: 7.29 min Scan# 1928

Delta R.T. -0.01 min

Lab File: VL031216.D

Acq: 14 Dec 2017 00:57

Instrument :

MSVOA_L

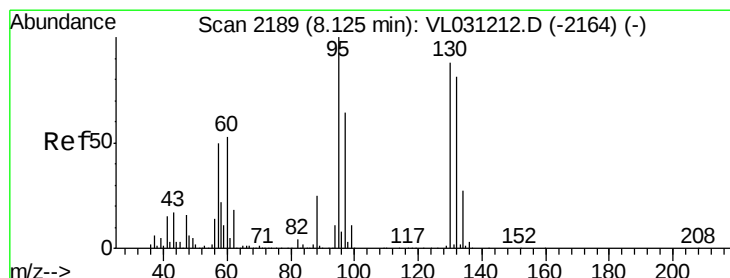
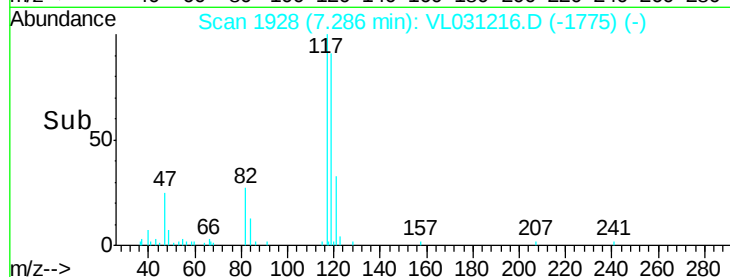
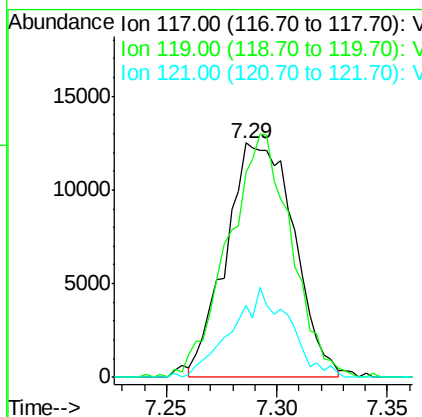
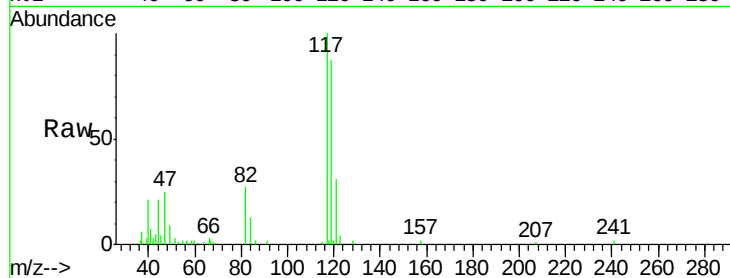
ClientSampleId :

VSTDIC0.1

Tot Ion:	117	Resp:	26740
Ion	Ratio	Lower	Upper
117	100		
119	87.5	75.9	113.9
121	30.2	24.6	37.0

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#38

Trichloroethene

Concen: 0.10 ppbv

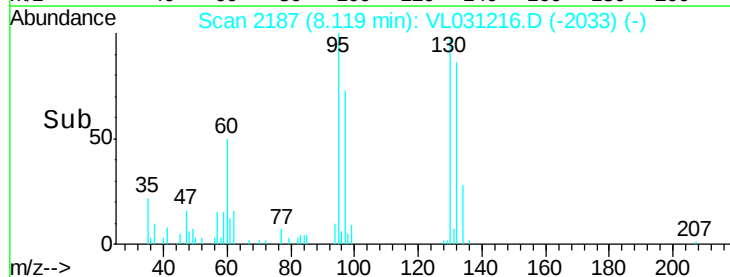
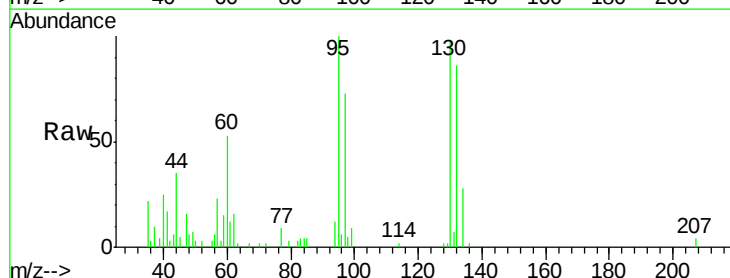
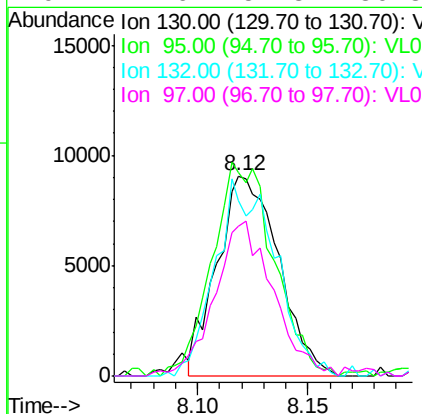
RT: 8.12 min Scan# 2187

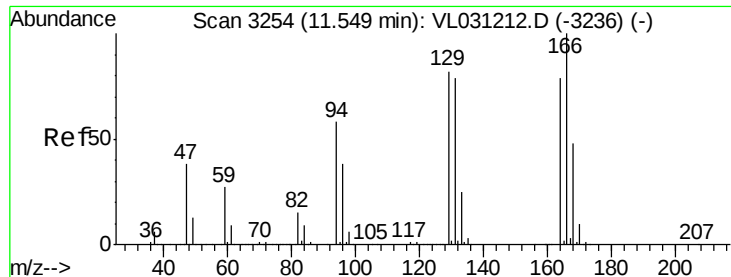
Delta R.T. -0.01 min

Lab File: VL031216.D

Acq: 14 Dec 2017 00:57

Tgt Ion:	130	Resp:	17588
Ion	Ratio	Lower	Upper
130	100		
95	101.9	90.6	135.8
132	87.6	73.5	110.3
97	74.6	57.8	86.8





#52

Tetrachloroethene

Concen: 0.11 ppbv m

RT: 11.55 min Scan# 3253

Delta R.T. -0.00 min

Lab File: VL031216.D

Acq: 14 Dec 2017 00:57

Instrument :

MSVOA_L

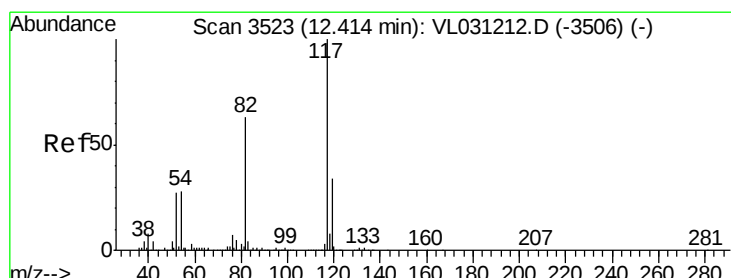
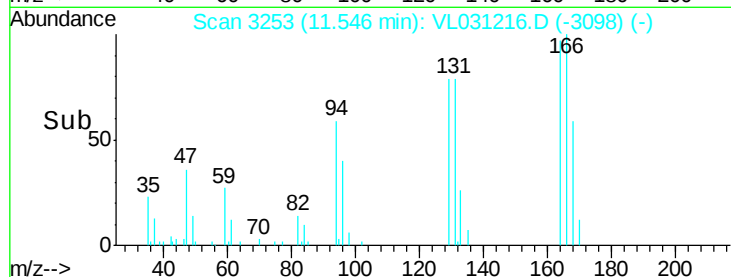
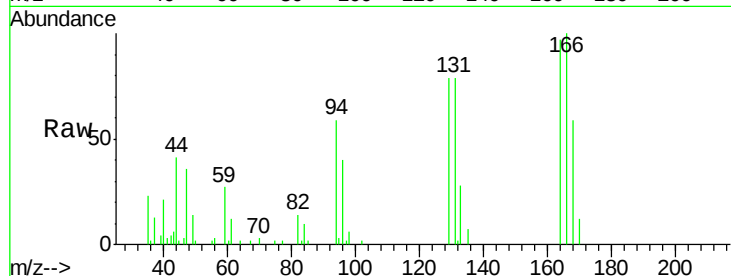
ClientSampleId :

VSTDIC0.1

Tot Ion:	164	Resp:	17157
Ion Ratio	Lower	Upper	
164	100		
166	103.6	100.6	151.0
129	82.1	82.9	124.3
131	82.3	79.2	118.8

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#55

Chlorobenzene-d5

Concen: 10.00 ppbv

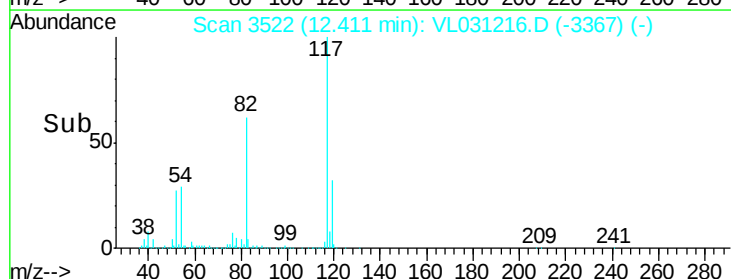
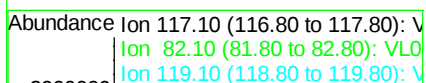
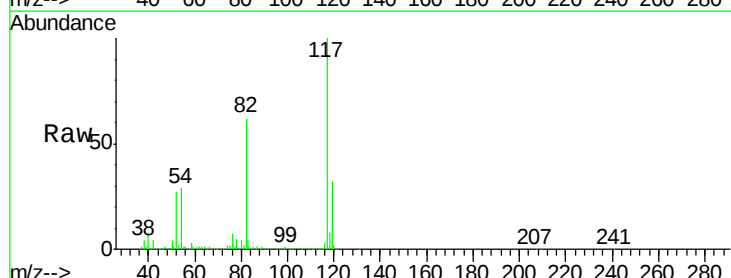
RT: 12.41 min Scan# 3522

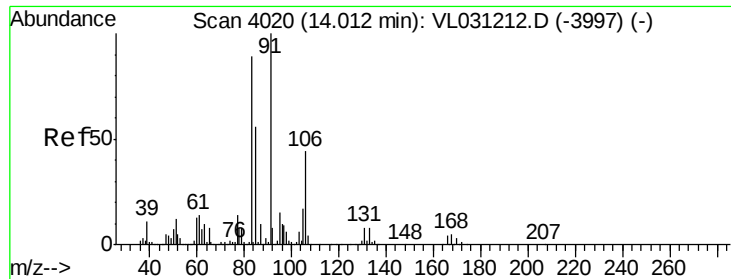
Delta R.T. -0.00 min

Lab File: VL031216.D

Acq: 14 Dec 2017 00:57

Tgt Ion:	117	Resp:	3895974
Ion Ratio	Lower	Upper	
117	100		
82	63.1	48.1	72.1
119	32.8	23.1	34.7





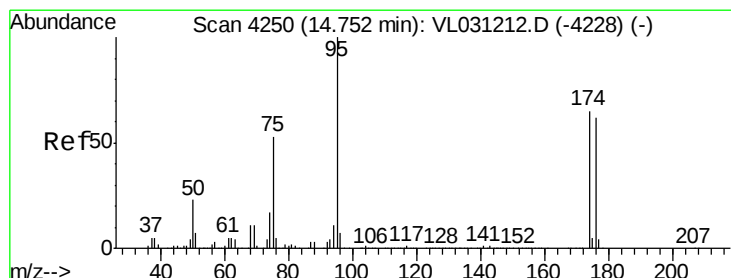
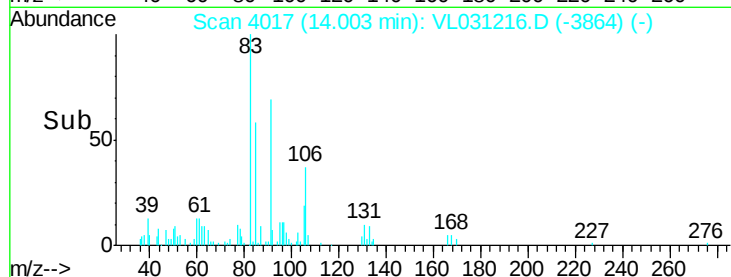
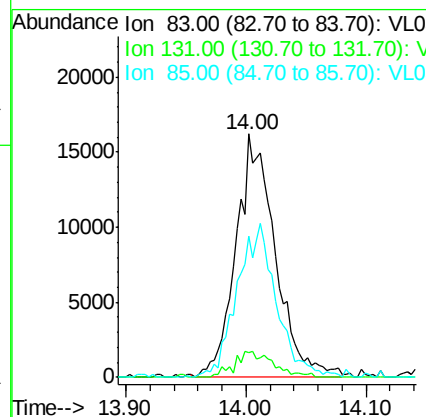
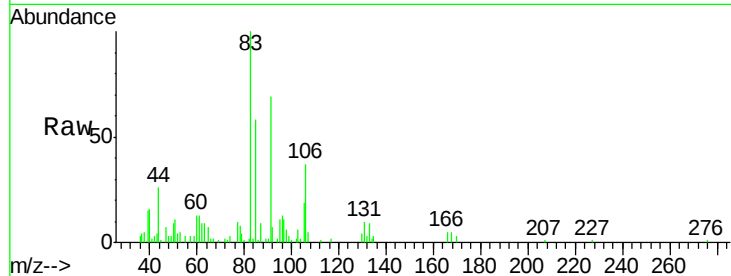
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.08 ppbv m
 RT: 14.00 min Scan# 4017
 Delta R.T. -0.01 min
 Lab File: VL031216.D
 Acq: 14 Dec 2017 00:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tot Ion	83	Resp	36933
Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.8	14.3#
85	63.9	32.1	96.5

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.55 ppbv
 RT: 14.75 min Scan# 4249
 Delta R.T. -0.00 min
 Lab File: VL031216.D
 Acq: 14 Dec 2017 00:57

Tgt Ion	95	Resp	2876781
Ion	Ratio	Lower	Upper
95	100		
174	66.7	52.5	78.7
175	5.1	4.1	6.1

