

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111418\
 Data File : VL032746.D
 Acq On : 14 Nov 2018 4:59
 Operator : SY/AP
 Sample : VSTDIC0.1
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Manual Integrations
 APPROVED

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 11/16/2018 1:29:47 PM

Quant Time: Nov 14 06:04:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 06:04:57 2018
 QLast Update : Wed Nov 14 05:38:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1632080	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	4048701	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3681284	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2740254	9.88	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.30	62	8227	0.106	ppbv	# 86
32) 1,1,1-Trichloroethane	6.62	97	29647	0.109	ppbv	97
35) Carbon Tetrachloride	7.14	117	32975m	0.114	ppbv	
38) Trichloroethene	7.96	130	11562m	0.094	ppbv	
52) Tetrachloroethene	11.38	164	10968m	0.096	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.85	83	32365m	0.111	ppbv	

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

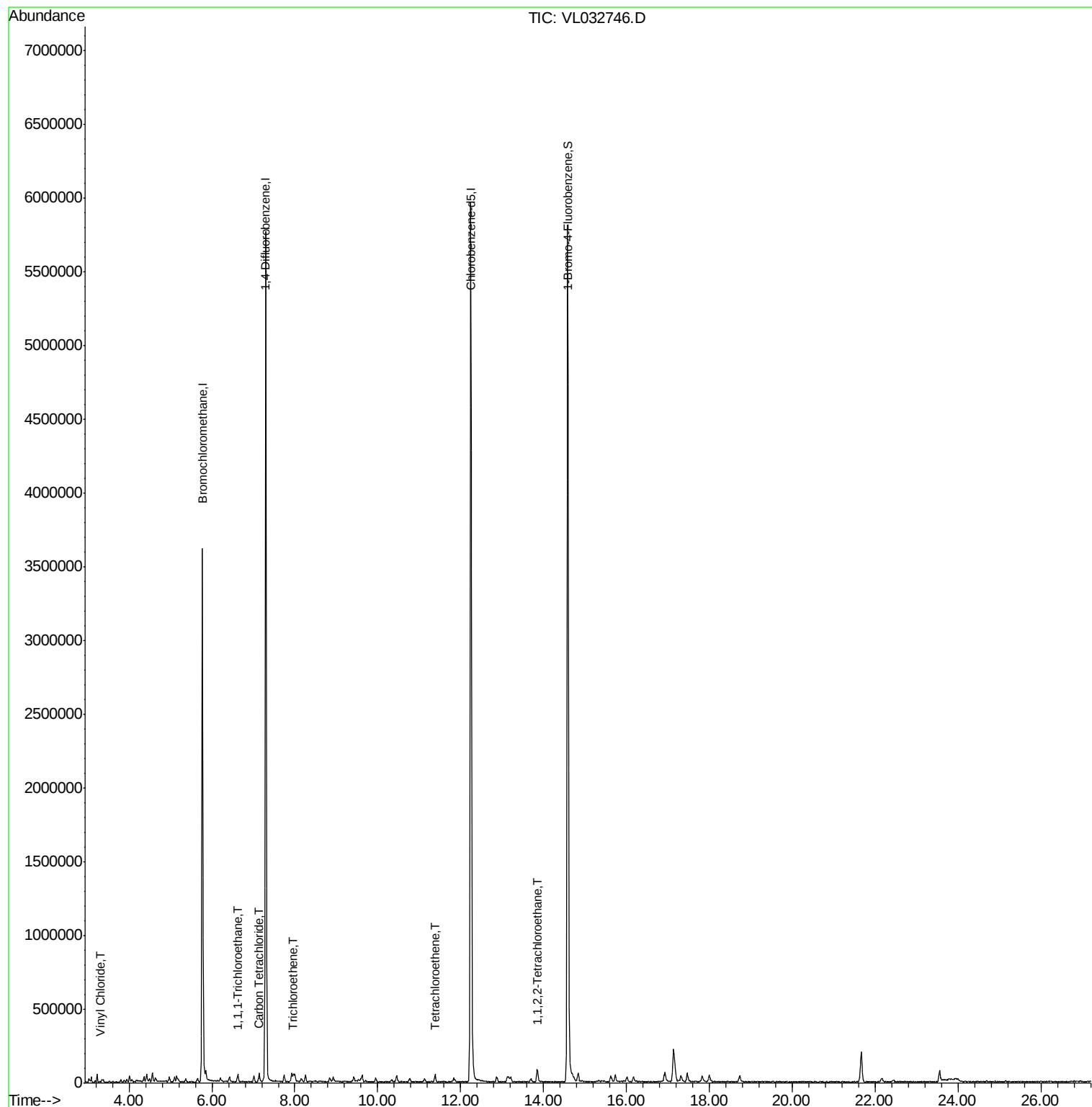
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL111418\
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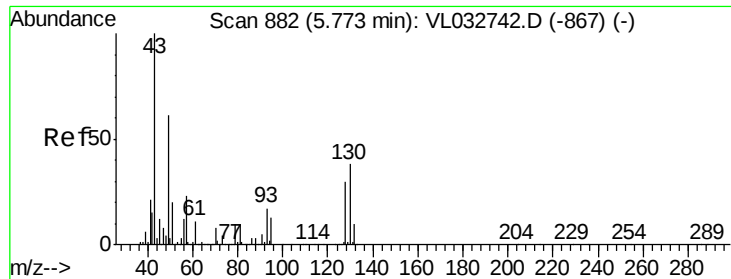
Instrument :
MSVOA_L
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
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QLast Update : Wed Nov 14 05:38:10 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 881

Delta R.T. -0.00 min

Lab File: VL032746.D

Acq: 14 Nov 2018 4:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion: 49 Resp: 1632080

Ion Ratio Lower Upper

49 100

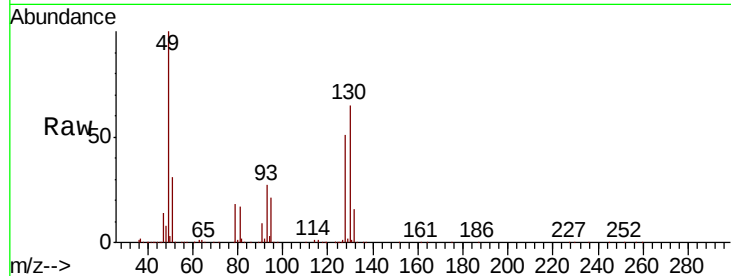
128 50.8 24.9 74.6

130 65.8 31.4 94.2

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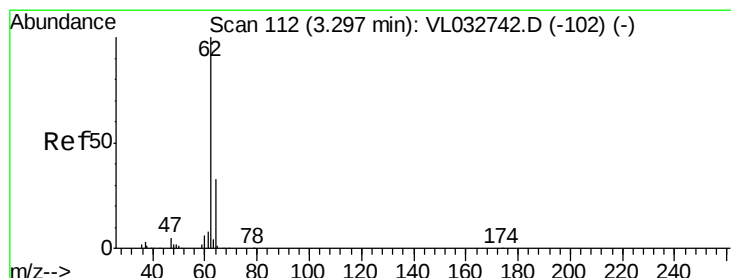
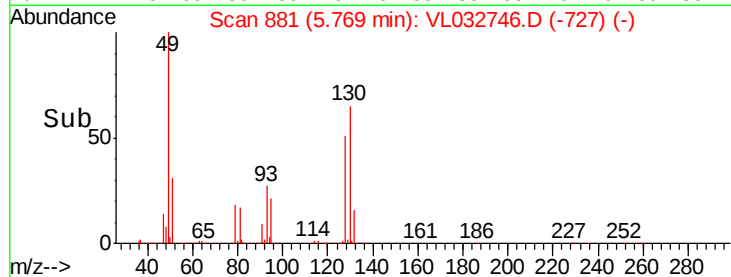
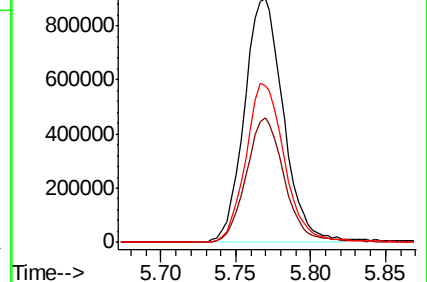
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#5

Vinyl Chloride

Concen: 0.106 ppbv

RT: 3.30 min Scan# 114

Delta R.T. 0.01 min

Lab File: VL032746.D

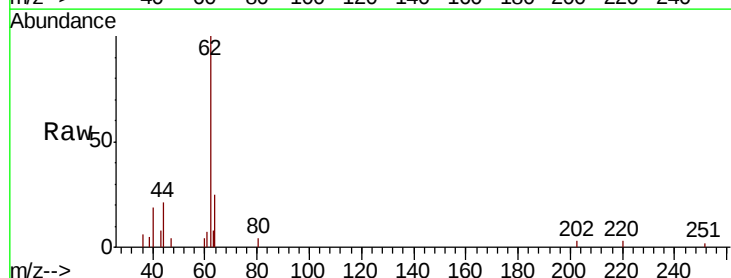
Acq: 14 Nov 2018 4:59

Tgt Ion: 62 Resp: 8227

Ion Ratio Lower Upper

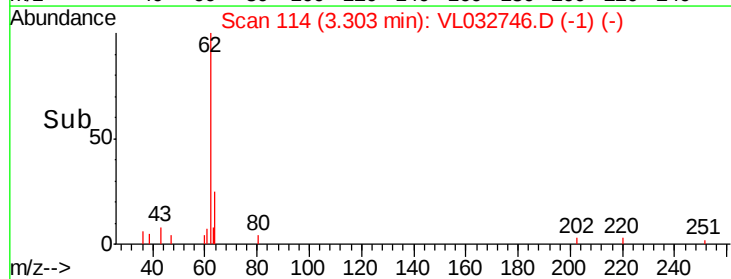
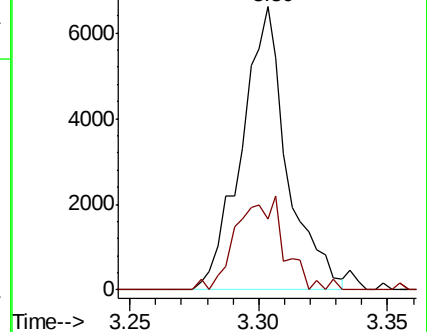
62 100

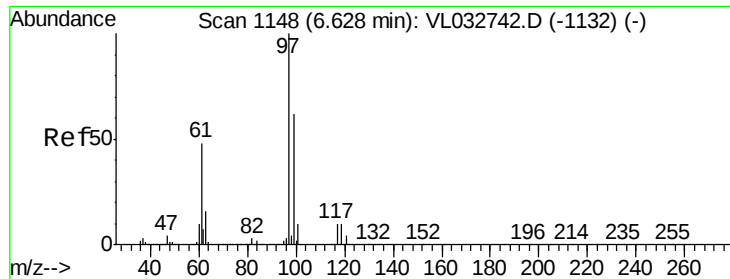
64 24.9 26.2 39.4#



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: 0.109 ppbv

RT: 6.62 min Scan# 1147

Delta R.T. -0.00 min

Lab File: VL032746.D

Acq: 14 Nov 2018 4:59

Instrument :

MSVOA_L

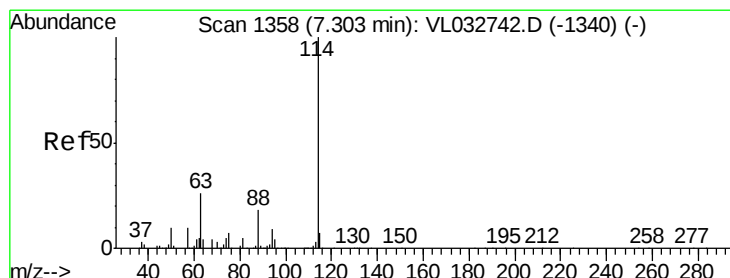
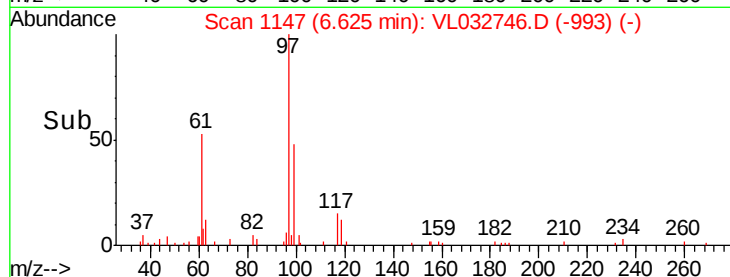
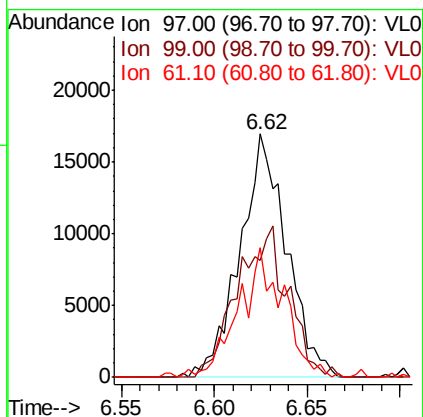
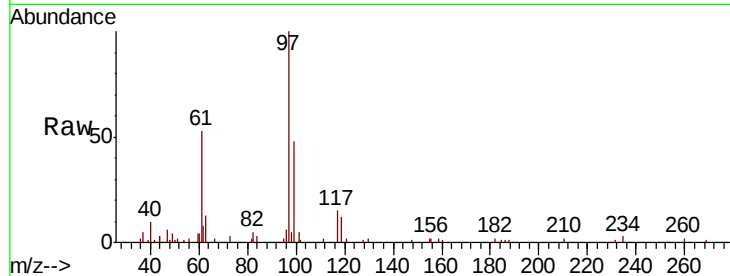
ClientSampleId :

VSTDIC0.1

Tot Ion:	97	Resp:	29647
Ion Ratio	Lower	Upper	
97	100		
99	67.3	51.8	77.6
61	52.1	39.7	59.5

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

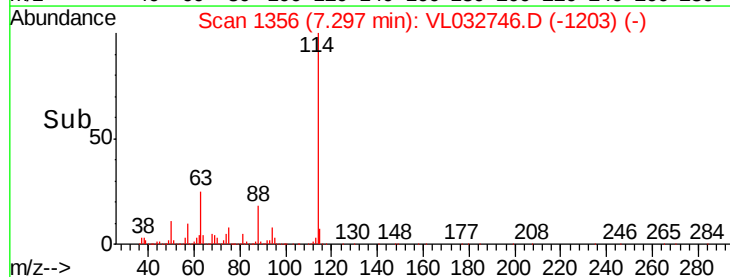
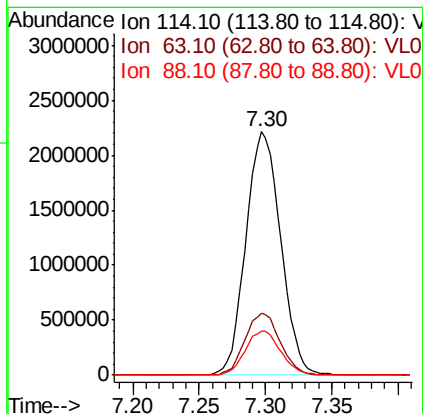
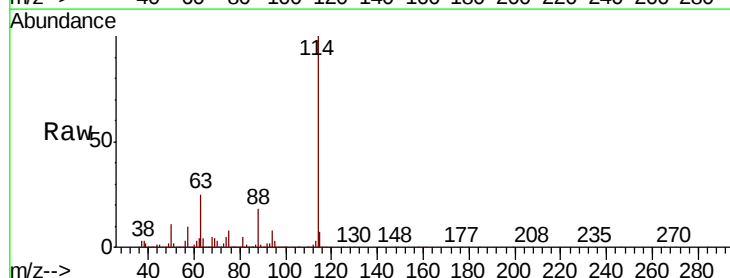
RT: 7.30 min Scan# 1356

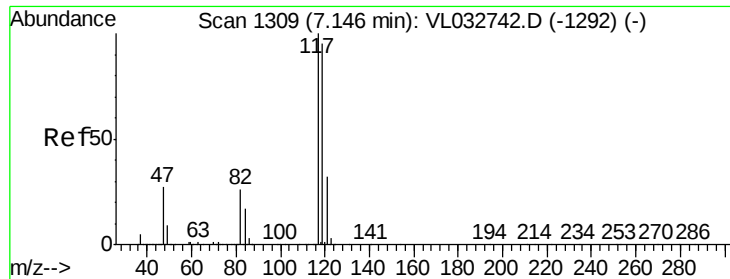
Delta R.T. -0.01 min

Lab File: VL032746.D

Acq: 14 Nov 2018 4:59

Tgt Ion:	114	Resp:	4048701
Ion Ratio	Lower	Upper	
114	100		
63	25.7	20.9	31.3
88	18.2	14.4	21.6





#35

Carbon Tetrachloride

Concen: 0.114 ppbv m

RT: 7.14 min Scan# 1308

Delta R.T. -0.00 min

Lab File: VL032746.D

Acq: 14 Nov 2018 4:59

Instrument :

MSVOA_L

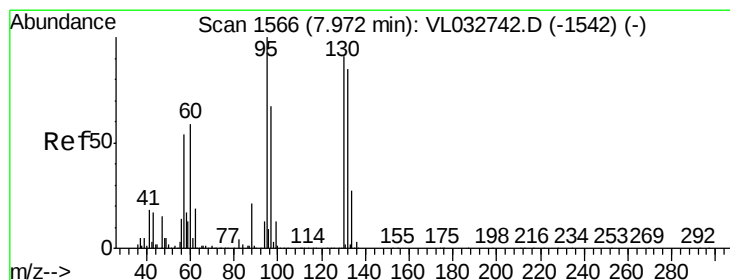
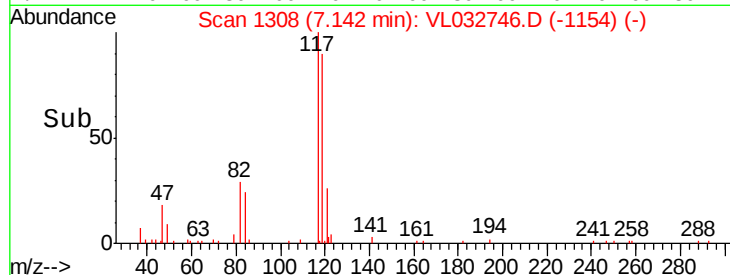
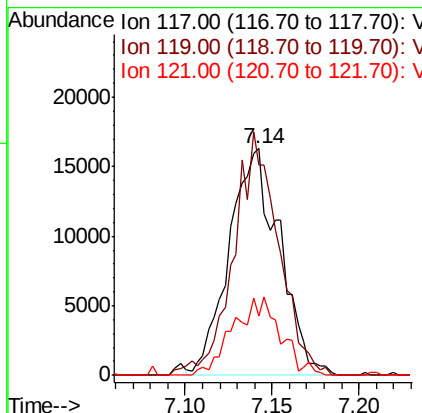
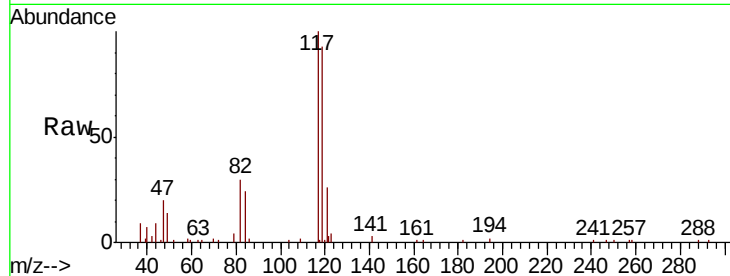
ClientSampleId :

VSTDIC0.1

Tot Ion:	117	Resp:	32975
Ion Ratio	Lower	Upper	
117	100		
119	92.7	76.1	114.1
121	26.0	25.4	38.0

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#38

Trichloroethene

Concen: 0.094 ppbv m

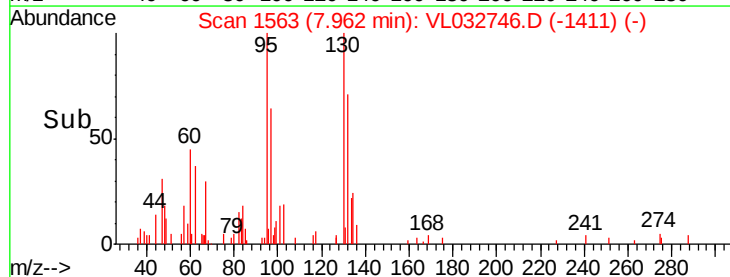
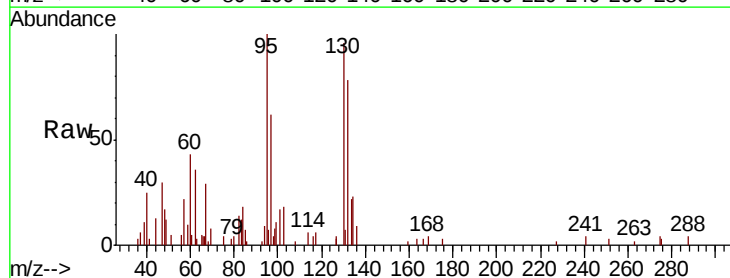
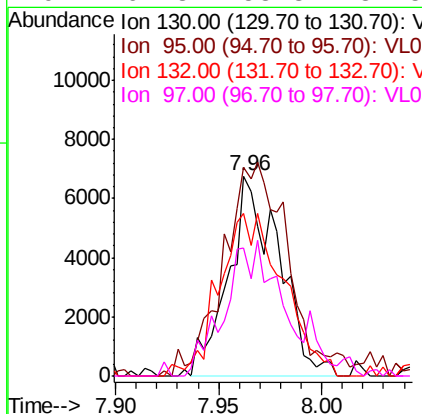
RT: 7.96 min Scan# 1563

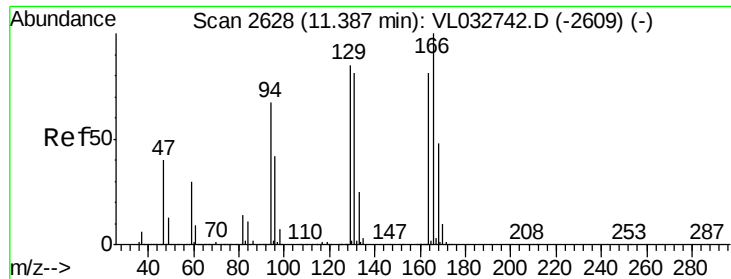
Delta R.T. -0.01 min

Lab File: VL032746.D

Acq: 14 Nov 2018 4:59

Tgt Ion:	130	Resp:	11562
Ion Ratio	Lower	Upper	
130	100		
95	104.4	87.7	131.5
132	81.2	74.6	111.8
97	64.3	58.3	87.5





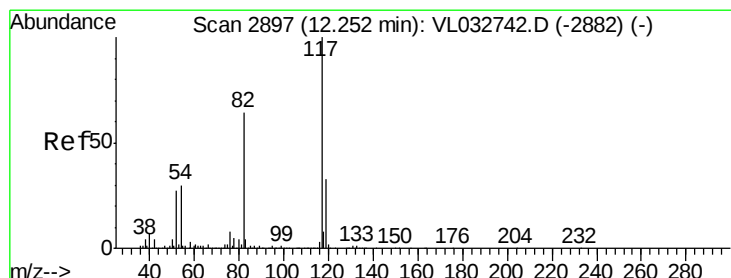
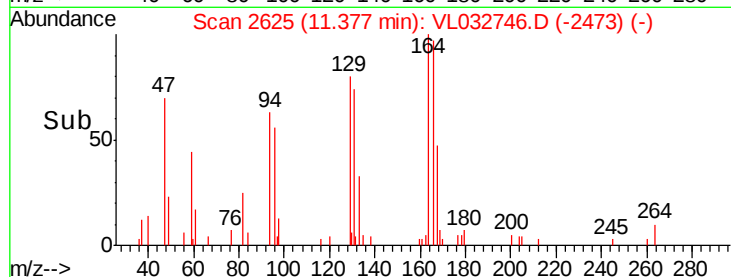
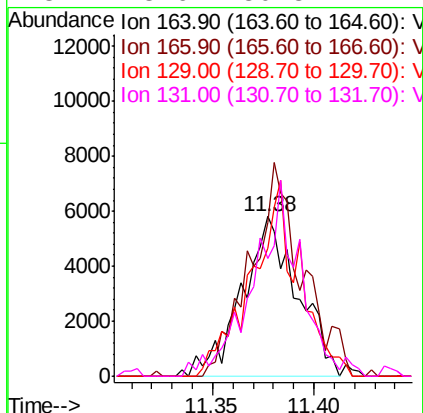
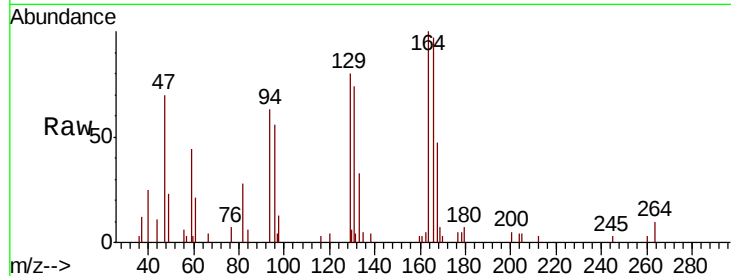
#52
Tetrachloroethene
Concen: 0.096 ppbv m
RT: 11.38 min Scan# 2625
Delta R.T. -0.01 min
Lab File: VL032746.D
Acq: 14 Nov 2018 4:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
164	100		
166	96.6	99.3	148.9#
129	80.3	83.9	125.9#
131	73.6	80.8	121.2#

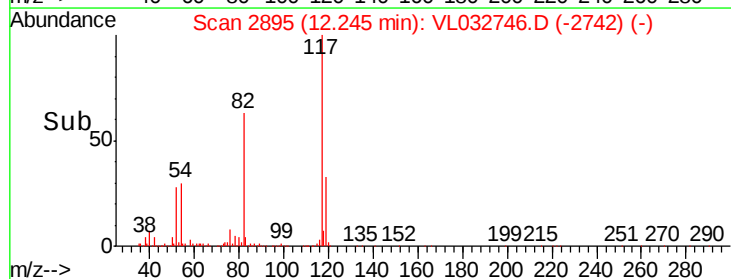
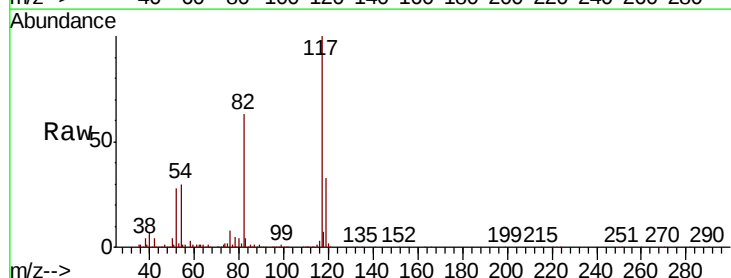
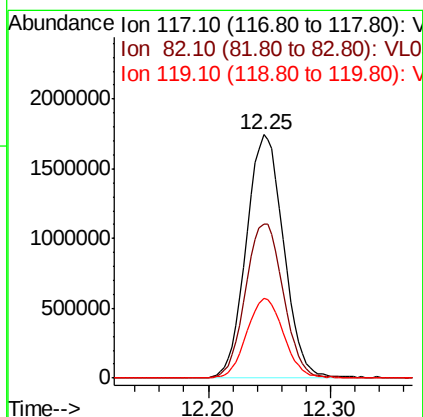
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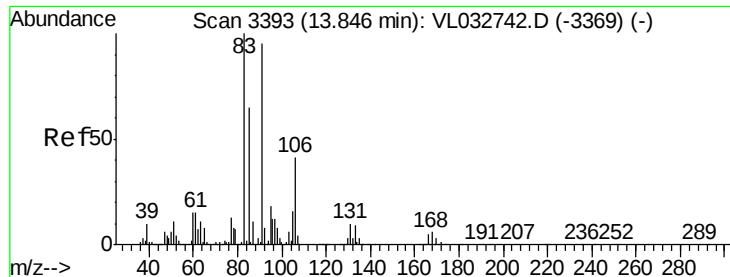
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL032746.D
Acq: 14 Nov 2018 4:59

Tgt Ion	Ratio	Lower	Upper
117	100		
82	65.0	51.0	76.6
119	32.7	28.0	42.0





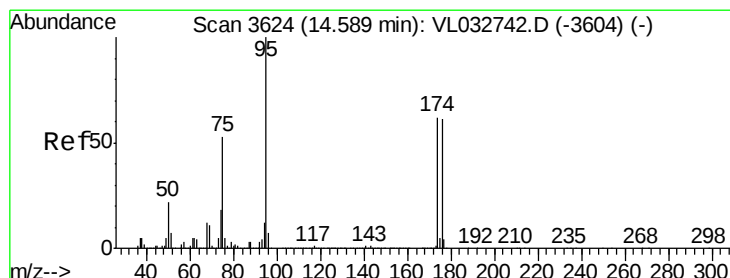
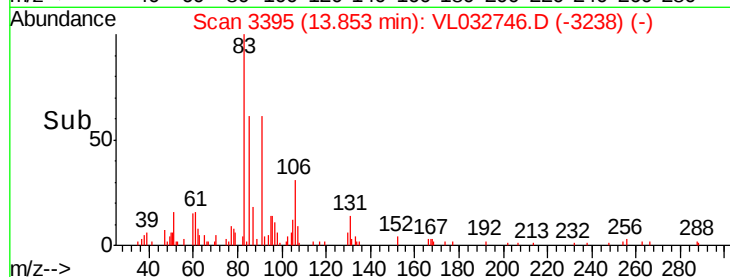
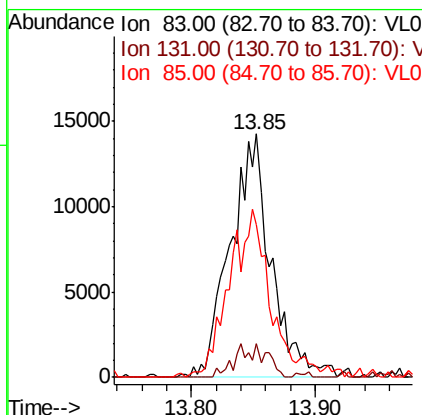
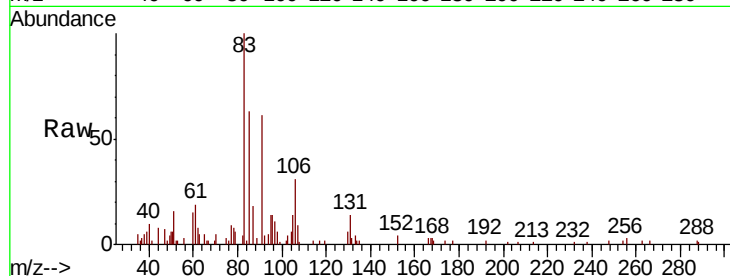
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.111 ppbv m
 RT: 13.85 min Scan# 3395
 Delta R.T. 0.01 min
 Lab File: VL032746.D
 Acq: 14 Nov 2018 4:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.9	4.7	14.1
85	0.0	32.5	97.4#

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.876 ppbv
 RT: 14.58 min Scan# 3622
 Delta R.T. -0.01 min
 Lab File: VL032746.D
 Acq: 14 Nov 2018 4:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	64.7	50.7	76.1
175	4.7	3.8	5.6

