

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\
 Data File : VL032925.D
 Acq On : 7 Dec 2018 6:48
 Operator : SY/AP
 Sample : VSTDICC0.03
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 10:08:24 AM

Quant Time: Dec 07 07:28:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 07:28:28 2018
 QLast Update : Fri Dec 07 05:41:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1237249	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2872198	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2741725	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2034272	10.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl Chloride	3.30	62	2176m	0.039	ppbv	
32) 1,1,1-Trichloroethane	6.62	97	8337m	0.037	ppbv	
35) Carbon Tetrachloride	7.14	117	9357m	0.044	ppbv	
38) Trichloroethene	7.96	130	3326m	0.037	ppbv	
52) Tetrachloroethene	11.38	164	2641m	0.031	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.84	83	8363m	0.040	ppbv	

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

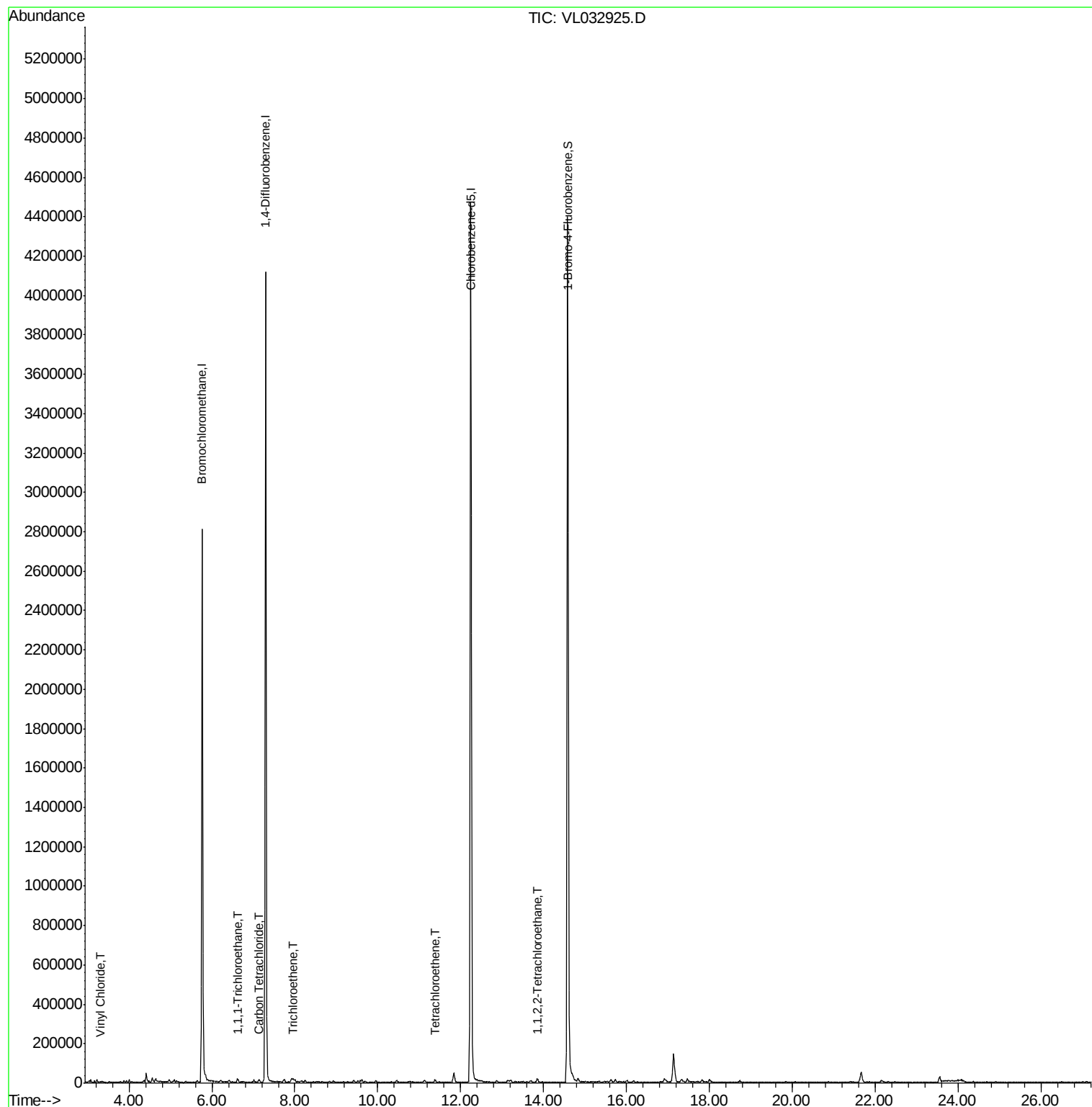
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL120718\
Data File : VL032925.D
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
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QLast Update : Fri Dec 07 05:41:55 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.01 min

Lab File: VL032925.D

Acq: 7 Dec 2018 6:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tgt Ion: 49 Resp: 1237249

Ion Ratio Lower Upper

49 100

128 52.4 26.3 78.8

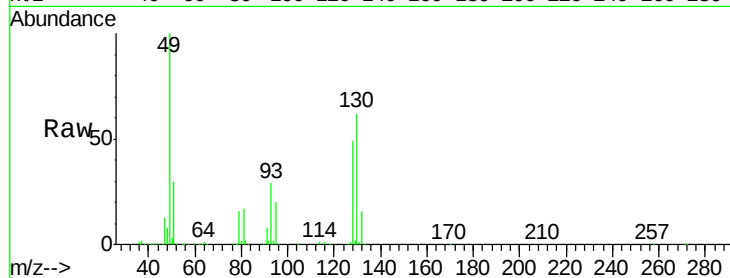
130 66.2 33.9 101.7

Manual Integrations

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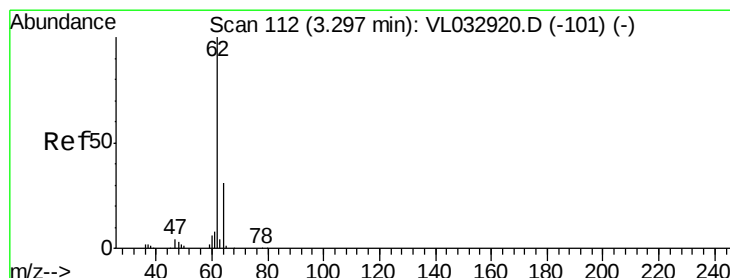
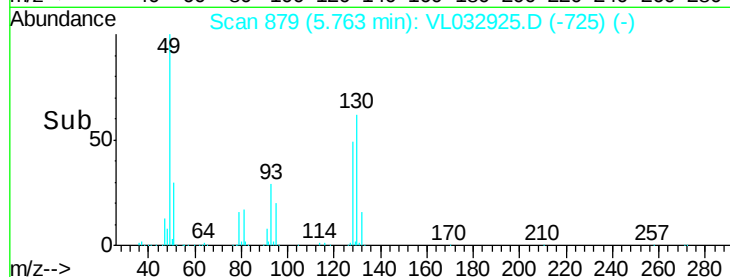
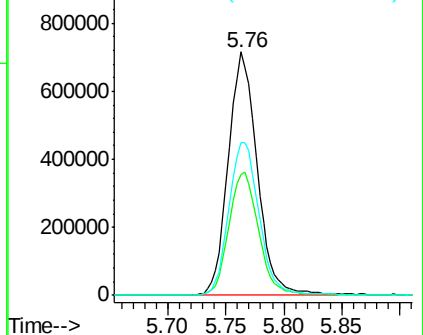
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#5

Vinyl Chloride

Concen: 0.039 ppbv m

RT: 3.30 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL032925.D

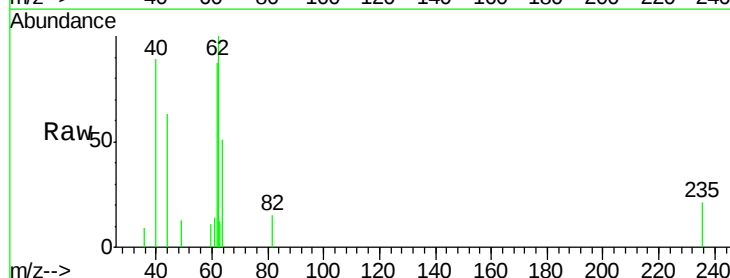
Acq: 7 Dec 2018 6:48

Tgt Ion: 62 Resp: 2176

Ion Ratio Lower Upper

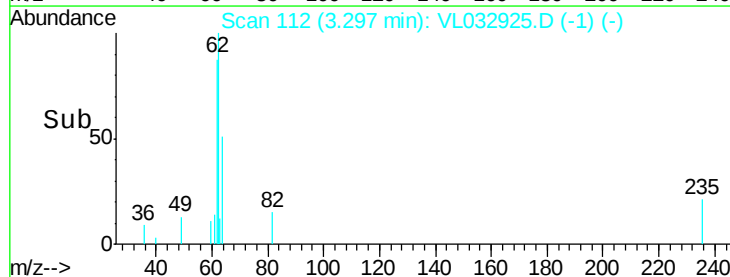
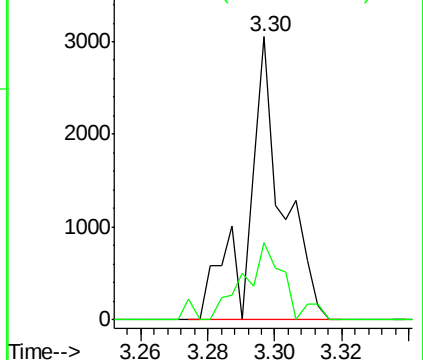
62 100

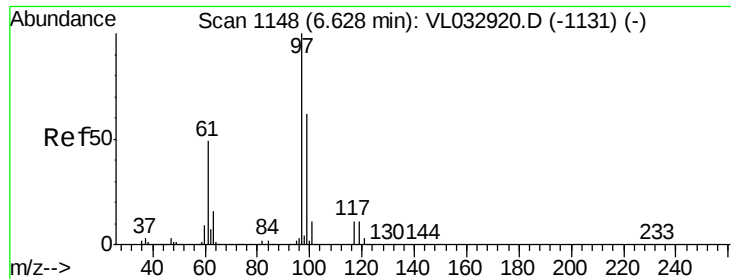
64 50.9 24.8 37.2#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





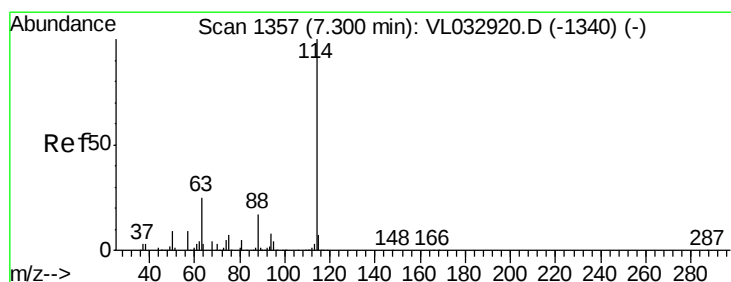
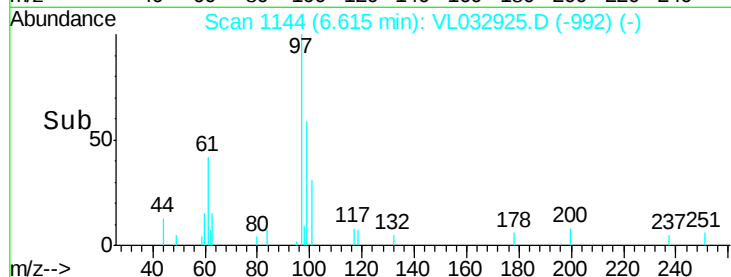
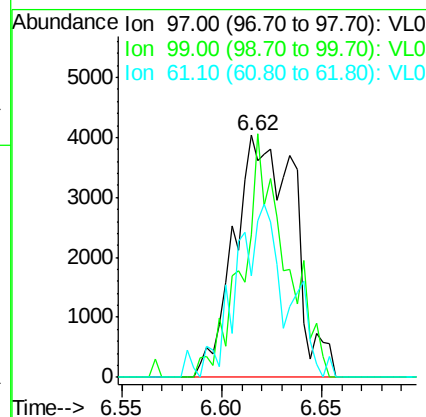
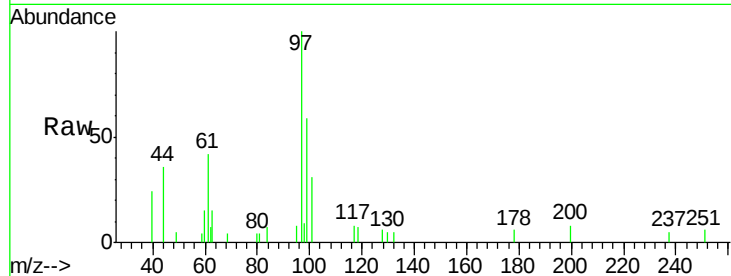
#32
 1,1,1-Trichloroethane
 Concen: 0.037 ppbv m
 RT: 6.62 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: VL032925.D
 Acq: 7 Dec 2018 6:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	72.7	51.1	76.7
61	61.4	39.3	58.9

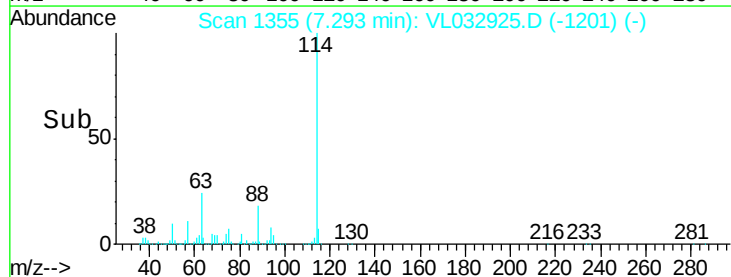
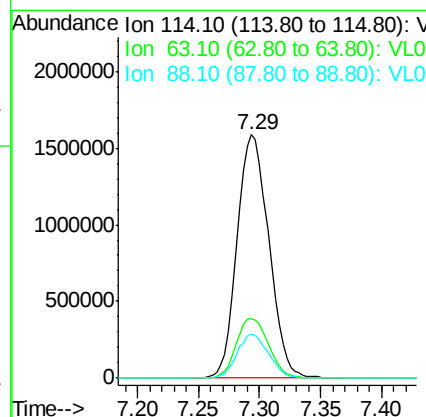
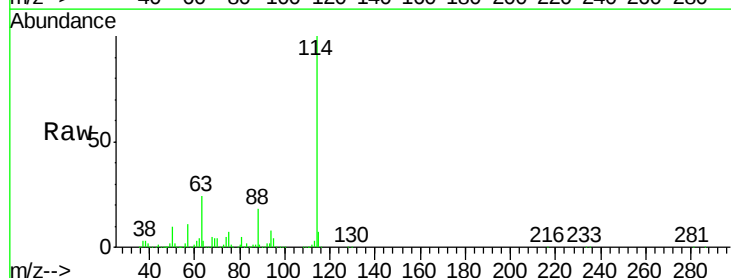
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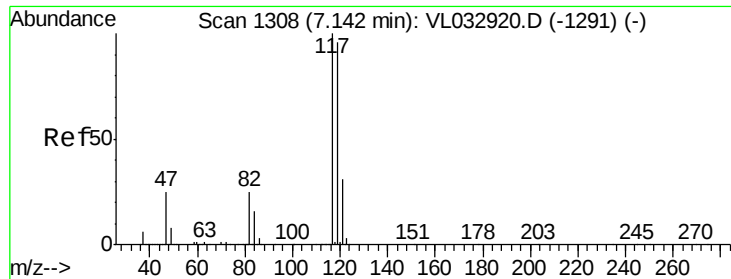
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#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: VL032925.D
 Acq: 7 Dec 2018 6:48

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.1	20.1	30.1
88	17.9	14.2	21.4





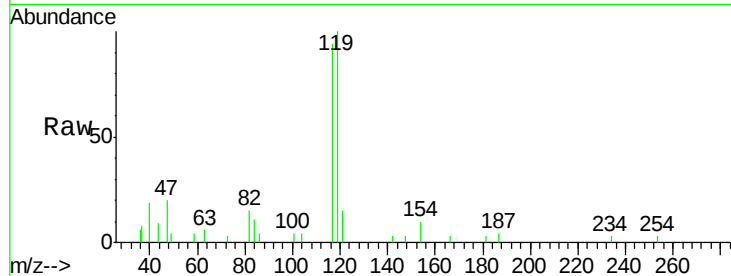
#35
Carbon Tetrachloride
Concen: 0.044 ppbv m
RT: 7.14 min Scan# 1306
Delta R.T. -0.01 min
Lab File: VL032925.D
Acq: 7 Dec 2018 6:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	106.8	76.5	114.7
121	16.2	24.5	36.7#

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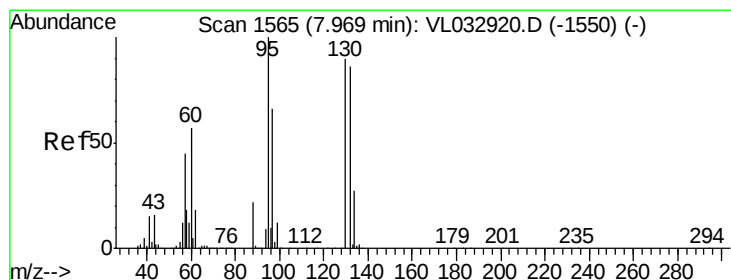
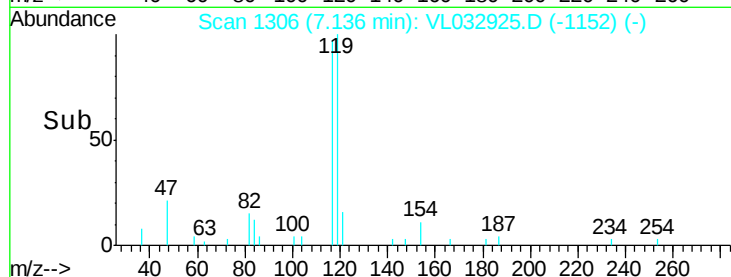
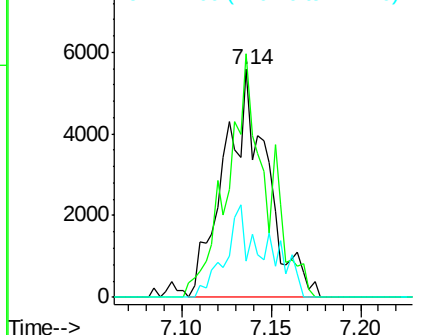


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#38
Trichloroethene
Concen: 0.037 ppbv m
RT: 7.96 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VL032925.D
Acq: 7 Dec 2018 6:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.7	88.6	132.8
132	40.4	76.1	114.1#
97	52.8	58.0	87.0#

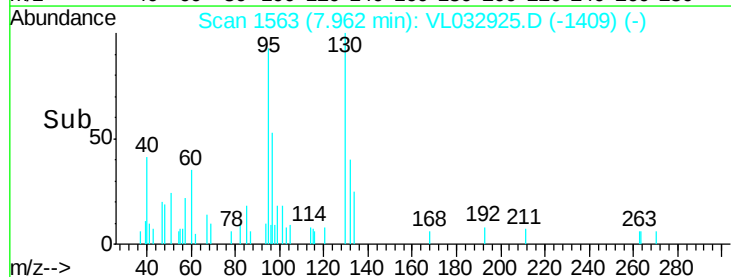
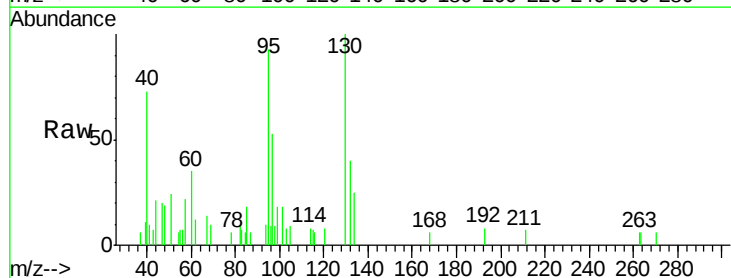
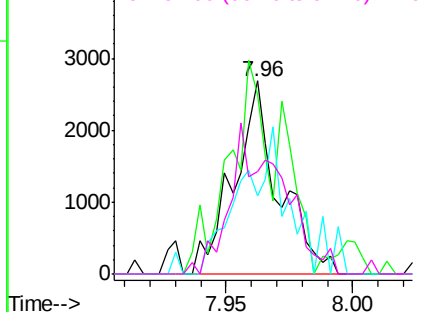
Abundance

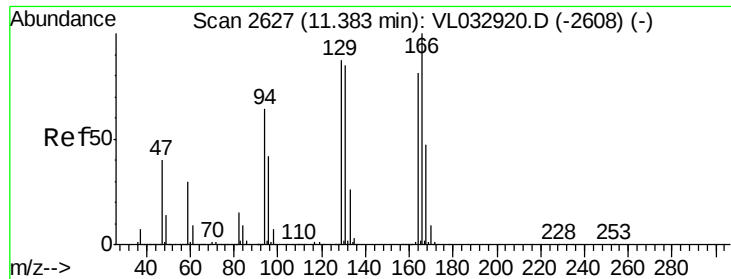
Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#52

Tetrachloroethene

Concen: 0.031 ppbv m

RT: 11.38 min Scan# 2626

Delta R.T. -0.00 min

Lab File: VL032925.D

Acq: 7 Dec 2018 6:48

Instrument :

MSVOA_L

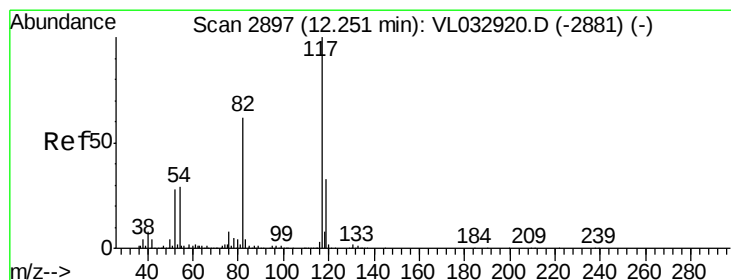
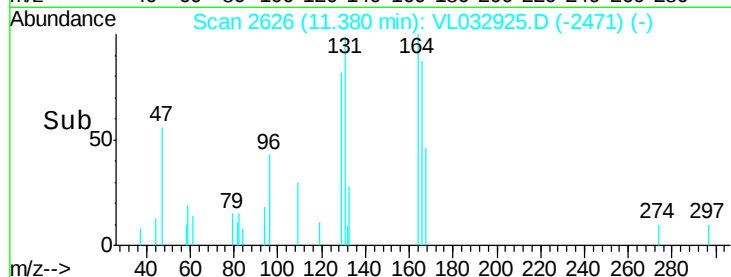
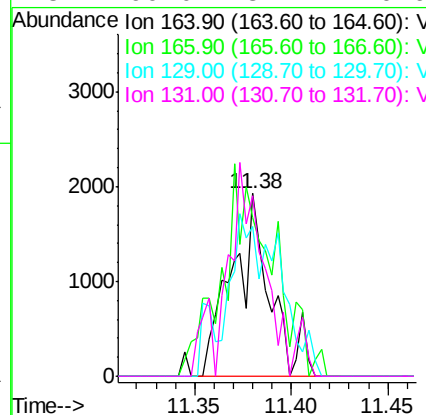
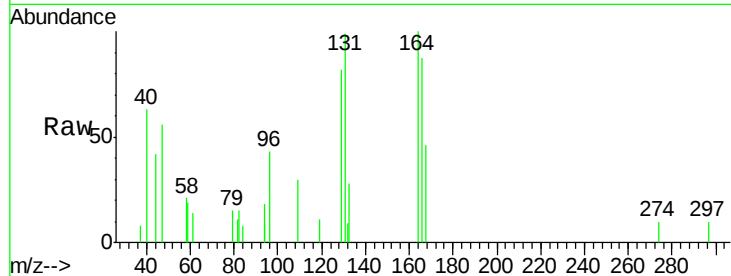
ClientSampleId :

VSTDIC0.03

Tgt Ion:	164	Resp:	2641
Ion Ratio	Lower	Upper	
164	100		
166	86.6	98.8	148.2#
129	82.1	85.5	128.3#
131	99.0	84.4	126.6

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

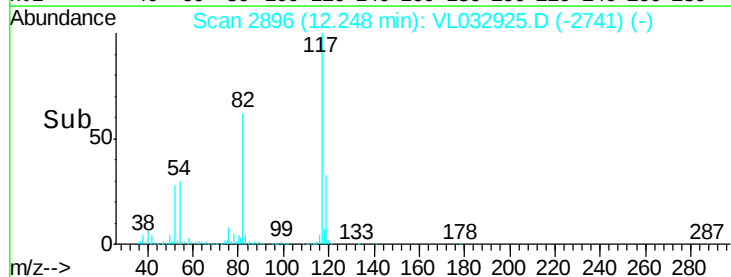
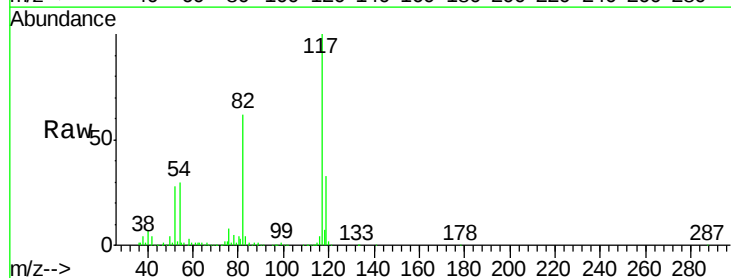
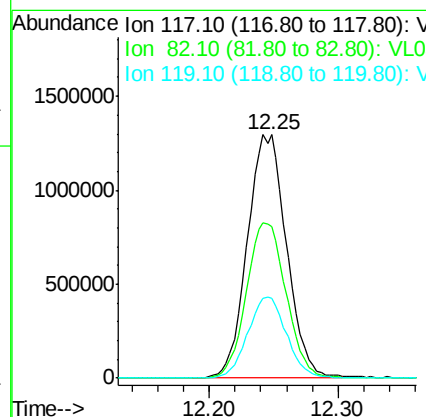
RT: 12.25 min Scan# 2896

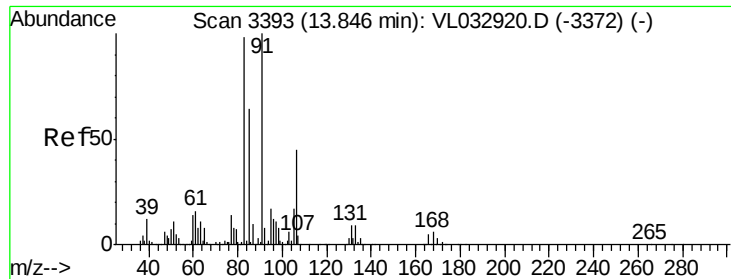
Delta R.T. -0.00 min

Lab File: VL032925.D

Acq: 7 Dec 2018 6:48

Tgt Ion:	117	Resp:	2741725
Ion Ratio	Lower	Upper	
117	100		
82	65.0	47.8	71.8
119	33.1	43.1	64.7#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.040 ppbv m

RT: 13.84 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VL032925.D

Acq: 7 Dec 2018 6:48

Instrument :

MSVOA_L

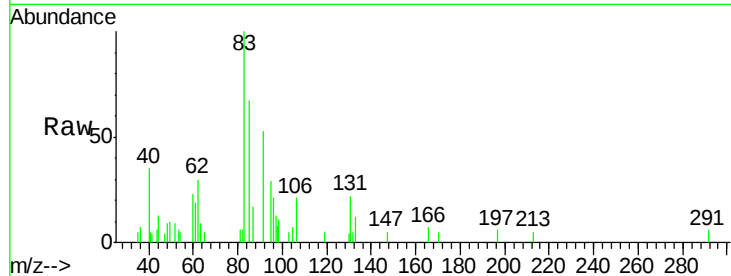
ClientSampleId :

VSTDIC0.03

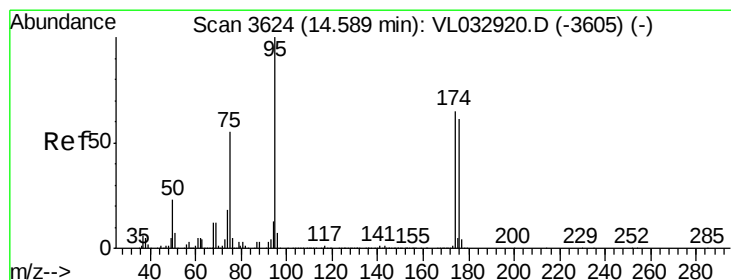
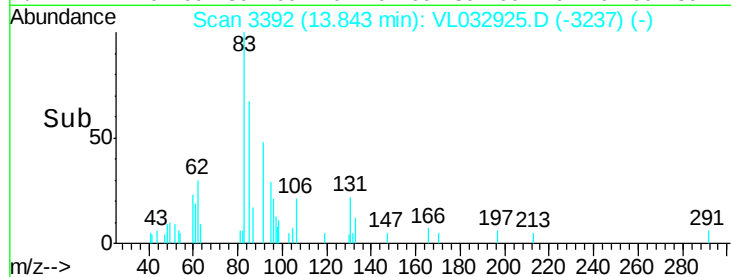
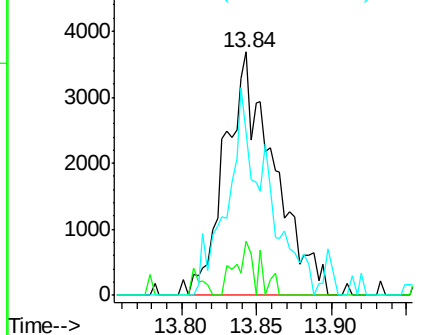
Tgt Ion:	83	Resp:	8363
Ion Ratio	Lower	Upper	
83	100		
131	12.4	4.9	14.6
85	73.6	32.9	98.6

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Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#68

1-Bromo-4-Fluorobenzene

Concen: 10.160 ppbv

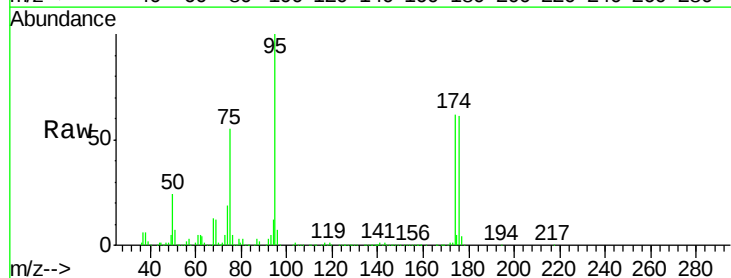
RT: 14.58 min Scan# 3622

Delta R.T. -0.01 min

Lab File: VL032925.D

Acq: 7 Dec 2018 6:48

Tgt Ion:	95	Resp:	2034272
Ion Ratio	Lower	Upper	
95	100		
174	65.5	51.4	77.0
175	4.7	3.8	5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

