

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062918\
 Data File : VL032149.D
 Acq On : 29 Jun 2018 20:37
 Operator : SY/AP
 Sample : VSTDICC0.1
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

Manual Integrations
 APPROVED

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 7/2/2018 4:25:04 PM

Quant Time: Jun 29 21:38:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 29 2018
 QLast Update : Fri Jun 29 20:36:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.85	49	1668073	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.38	114	4171407	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.34	117	3972465	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.68	95	2998820	10.16	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.35	62	11197	0.09	ppbv	91
32) 1,1,1-Trichloroethane	6.71	97	26726	0.09	ppbv	94
35) Carbon Tetrachloride	7.23	117	27628	0.10	ppbv #	83
38) Trichloroethene	8.05	130	16093m	0.09	ppbv	
52) Tetrachloroethene	11.47	164	14997m	0.09	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.94	83	41932m	0.10	ppbv	

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

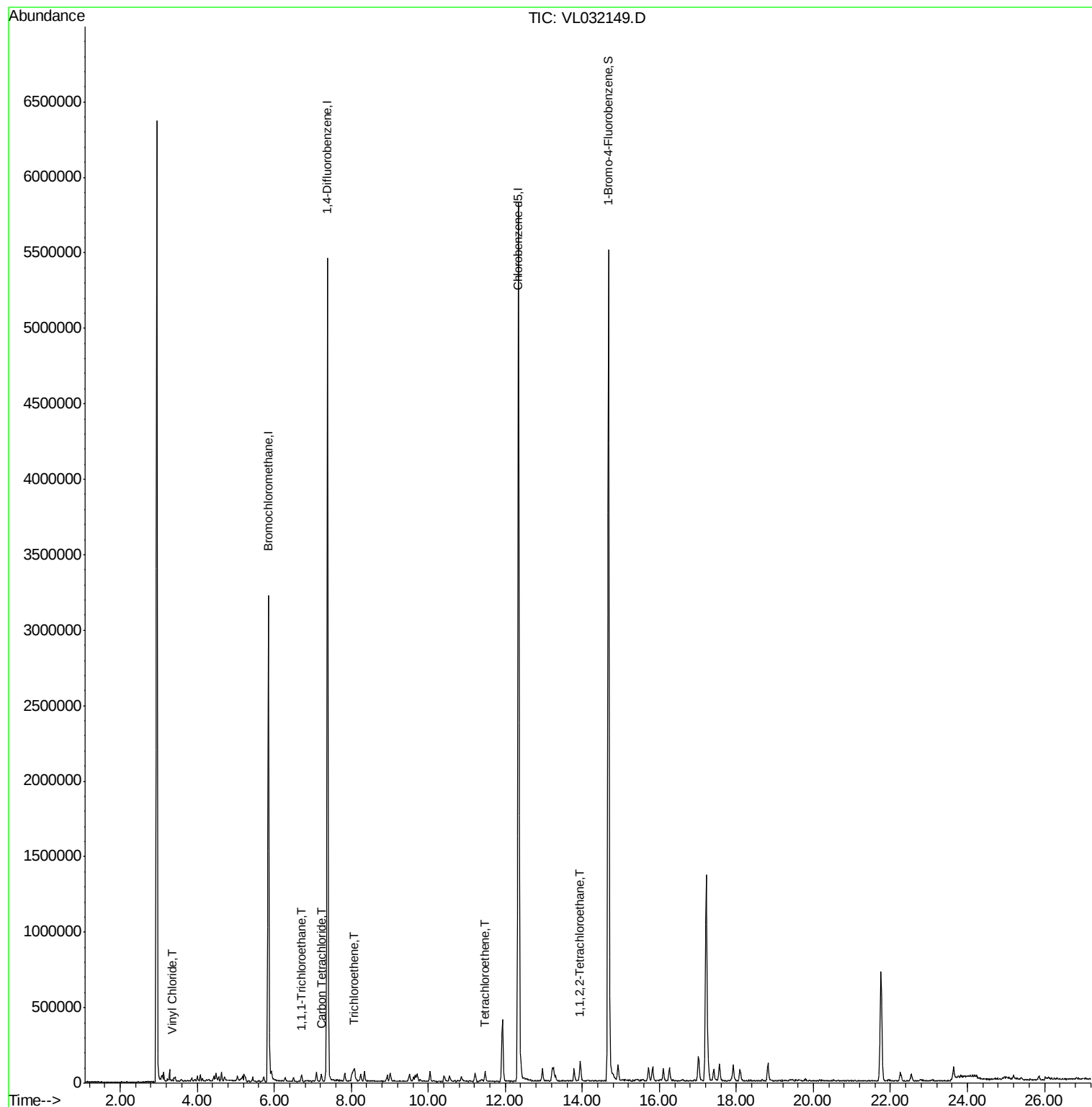
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL062918\
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Operator : SY/AP
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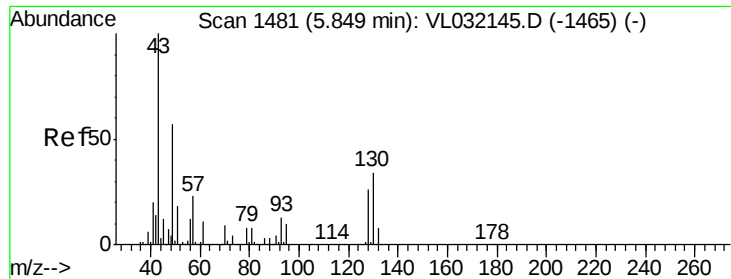
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL062918AIR.M
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QLast Update : Fri Jun 29 20:36:18 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.85 min Scan# 1480

Delta R.T. -0.02 min

Lab File: VL032149.D

Acq: 29 Jun 2018 20:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCO.1

Tot Ion: 49 Resp: 1668073

Ion Ratio Lower Upper

49 100

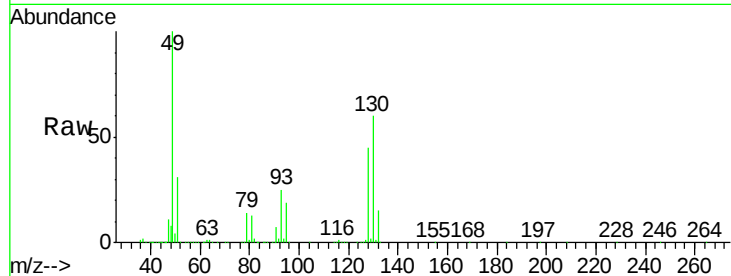
128 46.5 23.4 70.0

130 59.4 30.3 90.9

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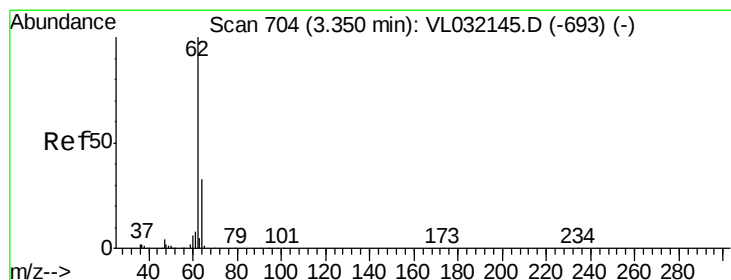
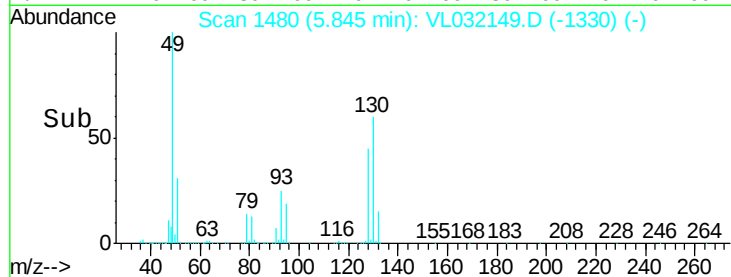
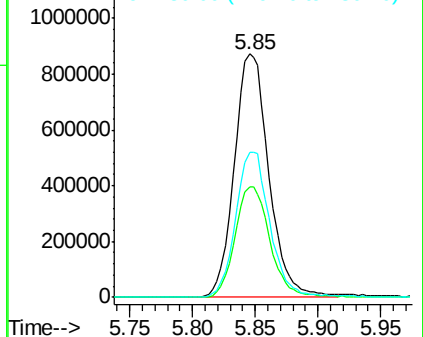
7/2/2018 4:25:04 PM



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: 0.09 ppbv

RT: 3.35 min Scan# 704

Delta R.T. -0.01 min

Lab File: VL032149.D

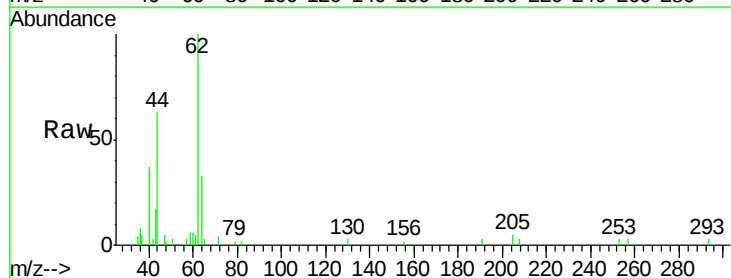
Acq: 29 Jun 2018 20:37

Tgt Ion: 62 Resp: 11197

Ion Ratio Lower Upper

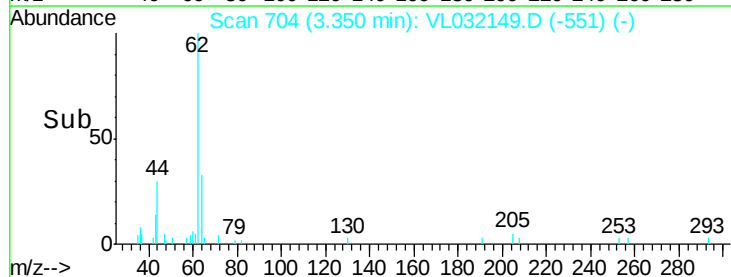
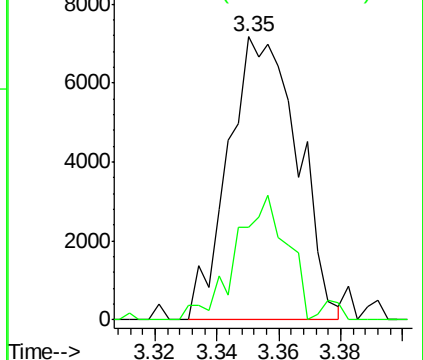
62 100

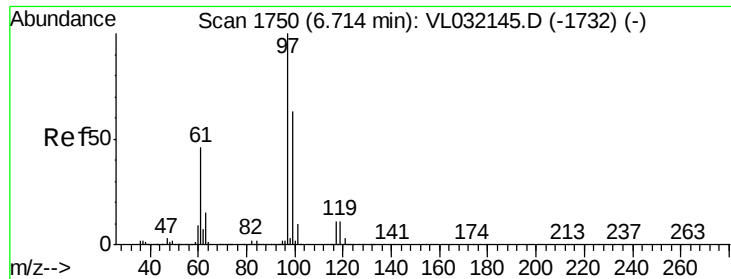
64 27.6 26.1 39.1



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: 0.09 ppbv

RT: 6.71 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VL032149.D

Acq: 29 Jun 2018 20:37

Instrument :

MSVOA_L

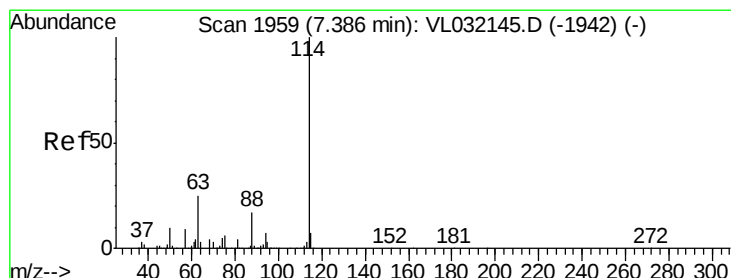
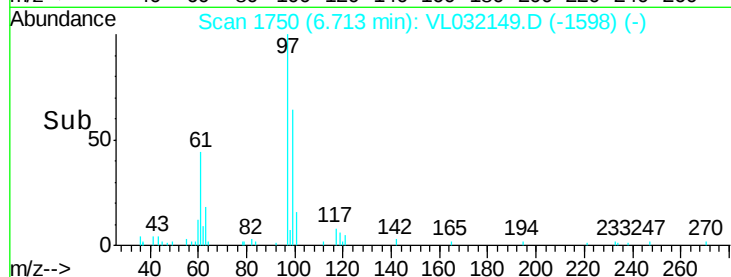
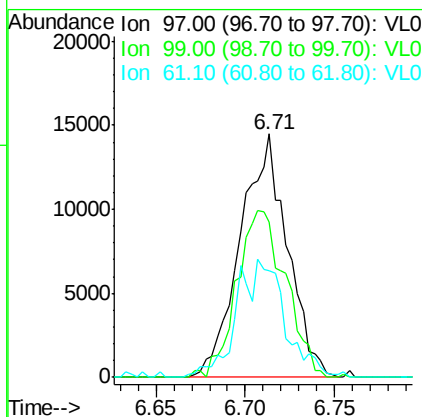
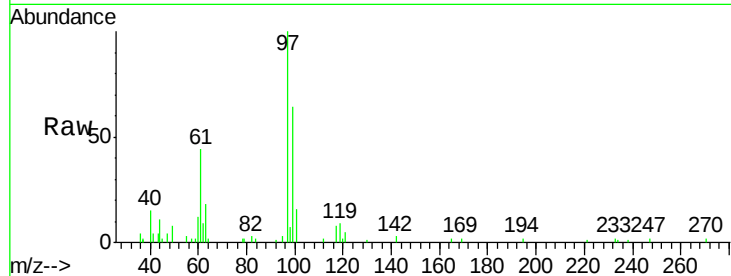
ClientSampleId :

VSTDIC0.1

Tot Ion:	97	Resp:	26726
Ion	Ratio	Lower	Upper
97	100		
99	70.9	51.3	76.9
61	50.1	38.4	57.6

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#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

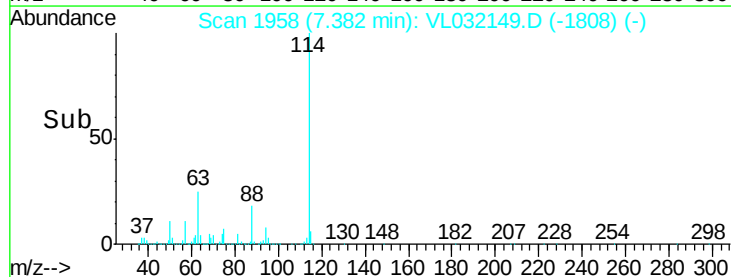
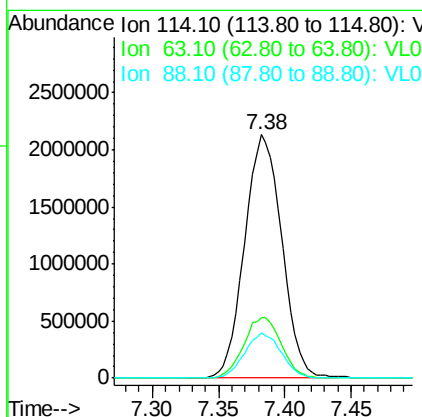
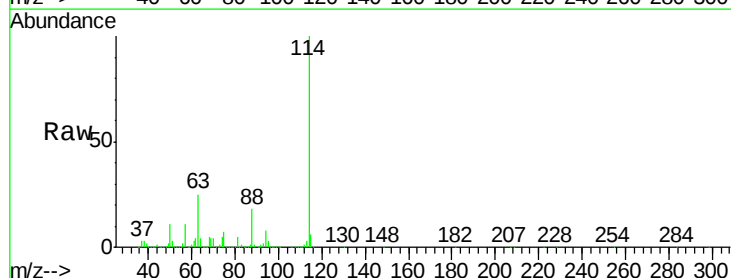
RT: 7.38 min Scan# 1958

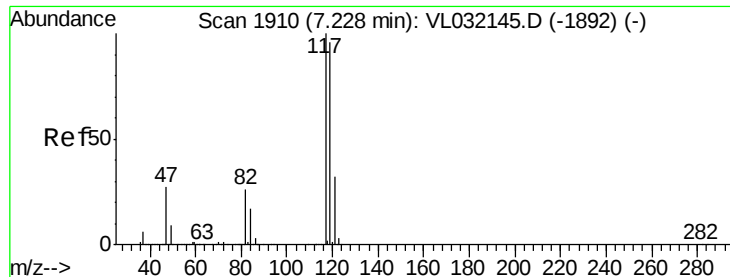
Delta R.T. -0.02 min

Lab File: VL032149.D

Acq: 29 Jun 2018 20:37

Tgt Ion:	114	Resp:	4171407
Ion	Ratio	Lower	Upper
114	100		
63	25.2	19.1	28.7
88	18.4	13.9	20.9





#35

Carbon Tetrachloride

Concen: 0.10 ppbv

RT: 7.23 min Scan# 1910

Delta R.T. -0.01 min

Lab File: VL032149.D

Acq: 29 Jun 2018 20:37

Instrument :

MSVOA_L

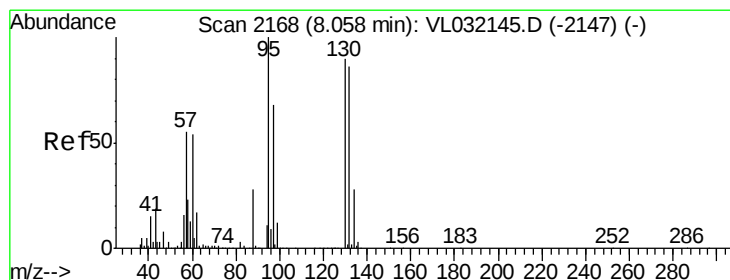
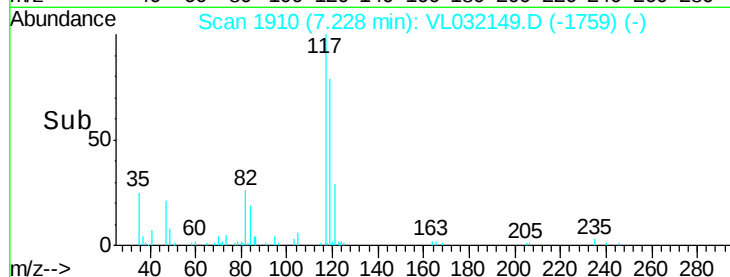
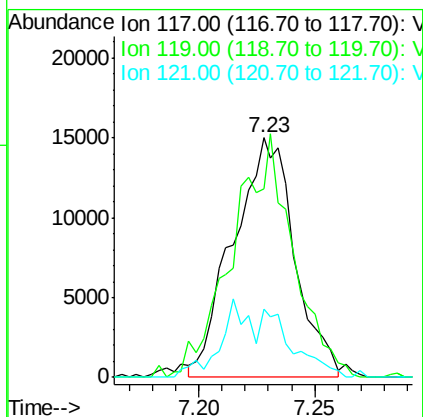
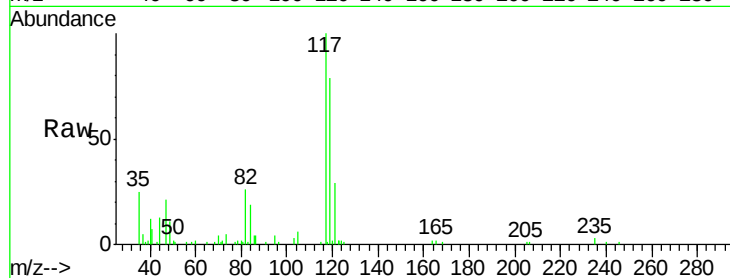
ClientSampleId :

VSTDIC0.1

Tot Ion:117	Resp:	27628
Ion Ratio	Lower	Upper
117 100		
119 74.2	74.8	112.2#
121 26.2	24.0	36.0

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#38

Trichloroethene

Concen: 0.09 ppbv m

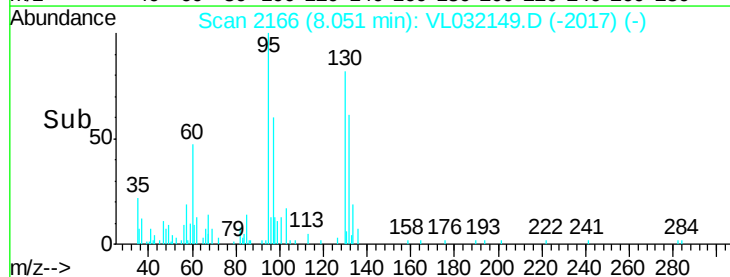
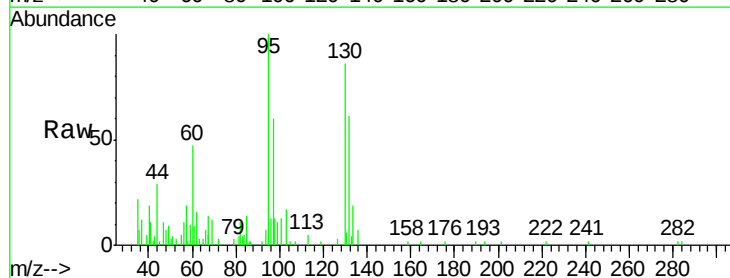
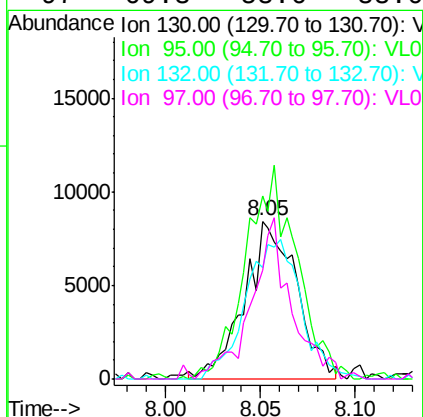
RT: 8.05 min Scan# 2166

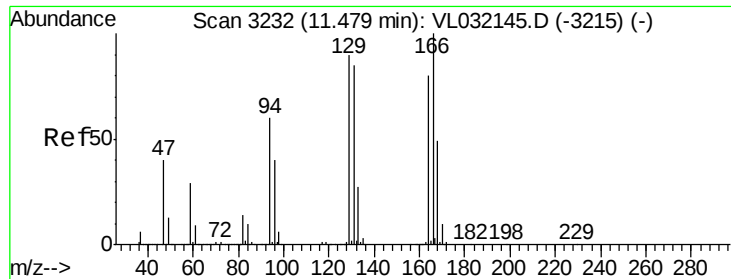
Delta R.T. -0.02 min

Lab File: VL032149.D

Acq: 29 Jun 2018 20:37

Tgt Ion:130	Resp:	16093
Ion Ratio	Lower	Upper
130 100		
95 115.7	88.1	132.1
132 70.4	74.6	112.0#
97 69.3	58.6	88.0





#52

Tetrachloroethene

Concen: 0.09 ppbv m

RT: 11.47 min Scan# 3230

Delta R.T. -0.02 min

Lab File: VL032149.D

Acq: 29 Jun 2018 20:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion:164 Resp: 14997

Ion Ratio Lower Upper

164 100

166 98.7 100.6 151.0#

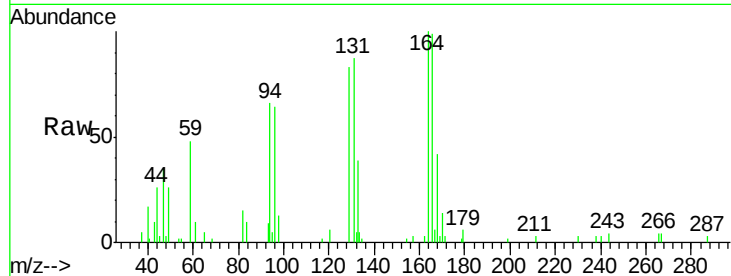
129 82.8 84.0 126.0#

131 86.6 82.7 124.1

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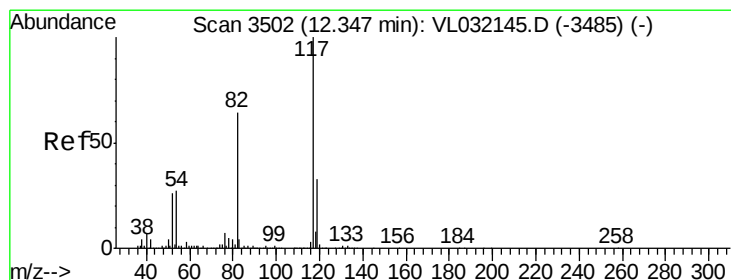
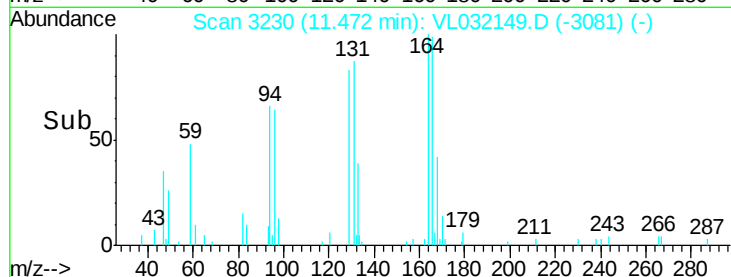
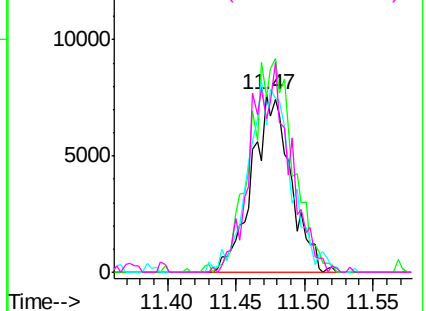


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.34 min Scan# 3501

Delta R.T. -0.02 min

Lab File: VL032149.D

Acq: 29 Jun 2018 20:37

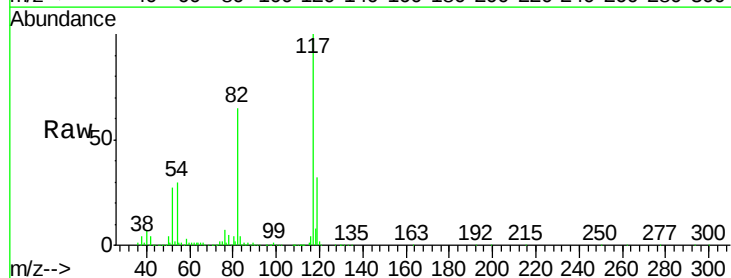
Tgt Ion:117 Resp: 3972465

Ion Ratio Lower Upper

117 100

82 65.6 47.8 71.8

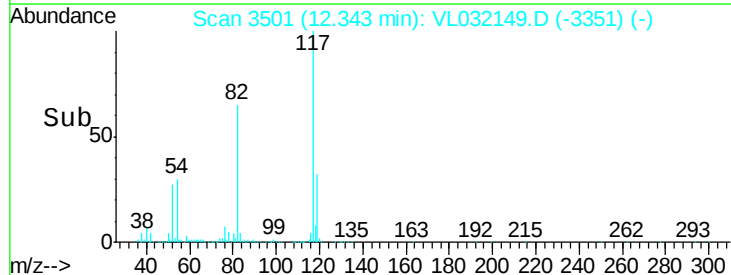
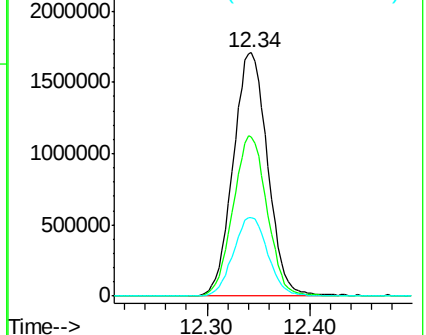
119 32.6 43.3 64.9#

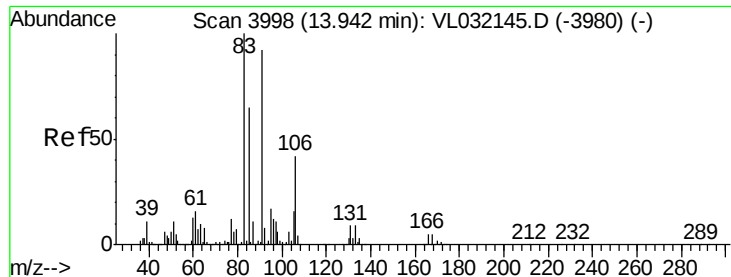


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#63

1,1,2,2-Tetrachloroethane

Concen: 0.10 ppbv m

RT: 13.94 min Scan# 3997

Delta R.T. -0.02 min

Lab File: VL032149.D

Acq: 29 Jun 2018 20:37

Instrument :

MSVOA_L

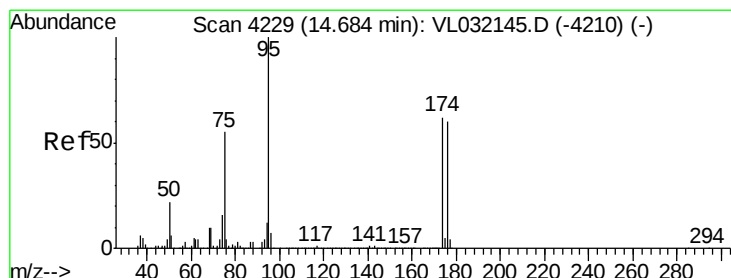
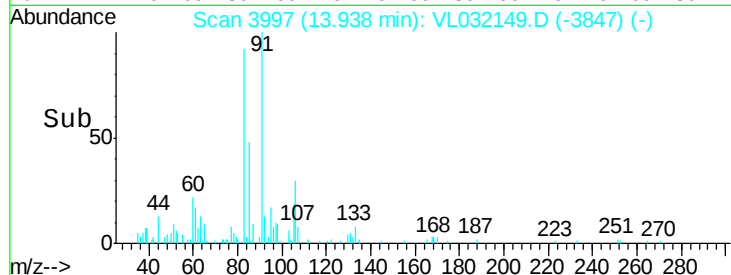
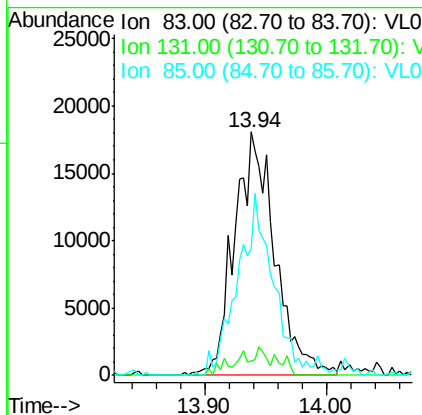
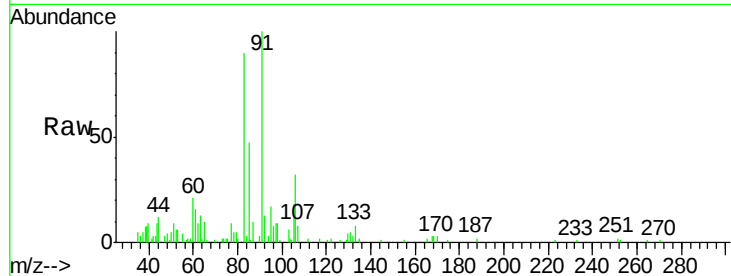
ClientSampleId :

VSTDIC0.1

Tot Ion:	83	Resp:	41932
Ion Ratio	Lower	Upper	
83	100		
131	0.0	4.6	13.8#
85	0.0	32.4	97.2#

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 10.16 ppbv

RT: 14.68 min Scan# 4228

Delta R.T. -0.02 min

Lab File: VL032149.D

Acq: 29 Jun 2018 20:37

Tgt Ion:	95	Resp:	2998820
Ion Ratio	Lower	Upper	
95	100		
174	59.2	52.1	78.1
175	4.6	4.0	6.0

