

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070518\
 Data File : VL032217.D
 Acq On : 6 Jul 2018 00:00
 Operator : SY/AP
 Sample : J3762-14 0.6 PPB LOQ
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2018

Manual Integrations
 APPROVED

MMDadoda
 7/9/2018 10:47:40 AM

Quant Time: Jul 06 05:41:55 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 22:27:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1444217	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.38	114	3537284	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.34	117	3808695	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	2933757	10.08	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.35	62	5341	0.06	ppbv	92
32) 1,1,1-Trichloroethane	6.71	97	18146m	0.07	ppbv	
35) Carbon Tetrachloride	7.22	117	16830m	0.07	ppbv	
38) Trichloroethene	8.05	130	9261m	0.07	ppbv	
52) Tetrachloroethene	11.47	164	9581m	0.08	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.93	83	30808m	0.08	ppbv	

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

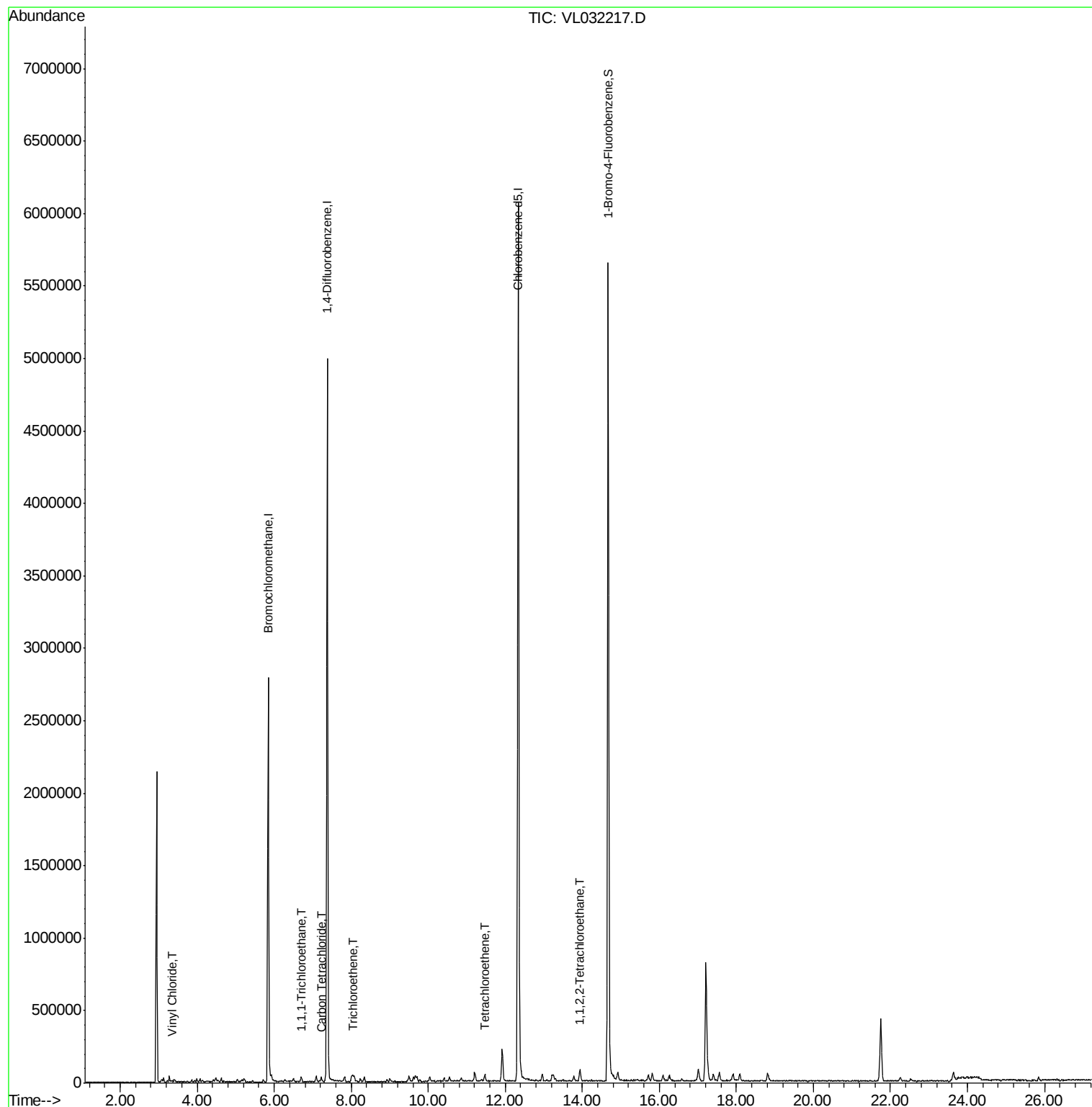
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL070518\
Data File : VL032217.D
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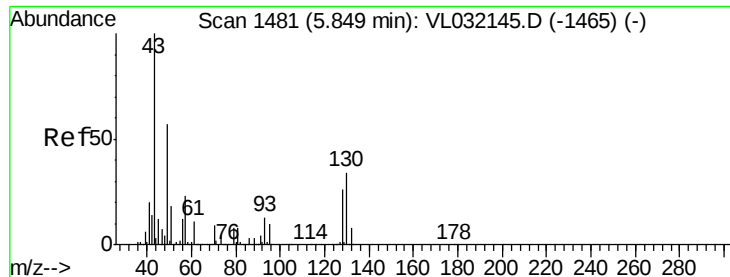
Instrument :
MSVOA_L
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QLast Update : Fri Jun 29 22:27:58 2018
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#1

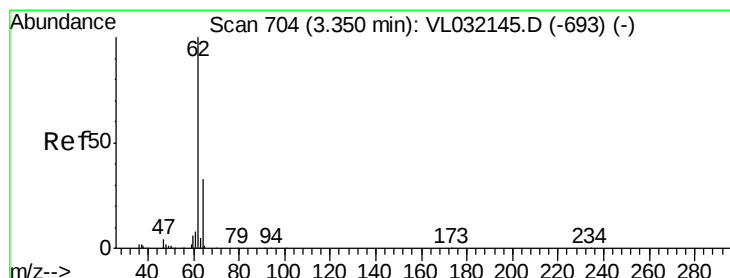
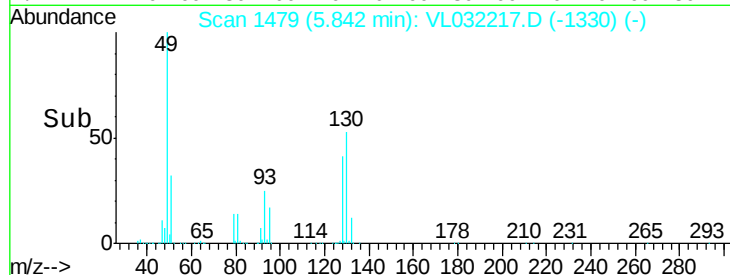
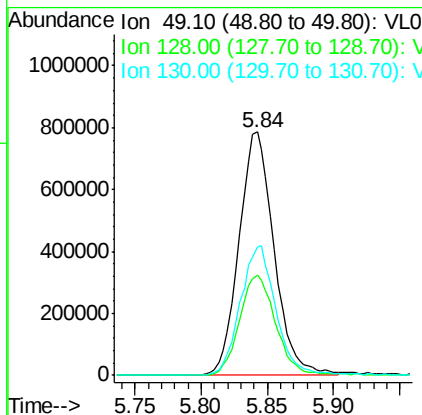
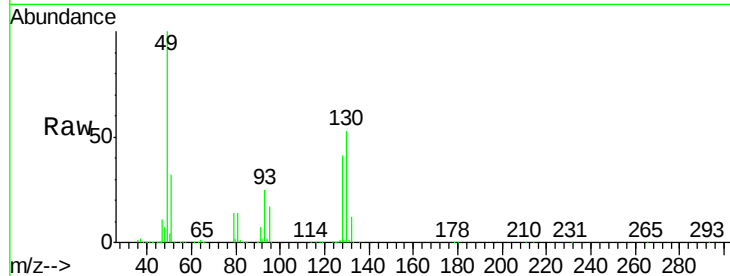
Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.84 min Scan# 1479
 Delta R.T. -0.02 min
 Lab File: VL032217.D
 Acq: 6 Jul 2018 00:00

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2018

Tot Ion: 49 Resp: 1444217
 Ion Ratio Lower Upper
 49 100
 128 43.0 23.4 70.0
 130 54.7 30.3 90.9

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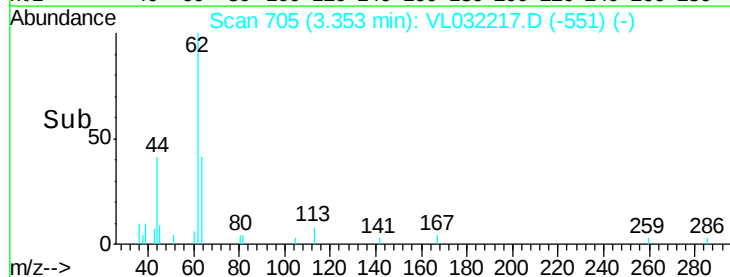
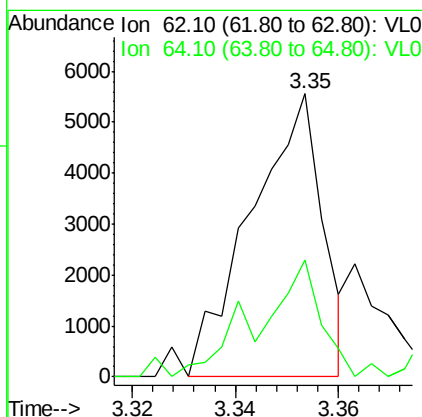
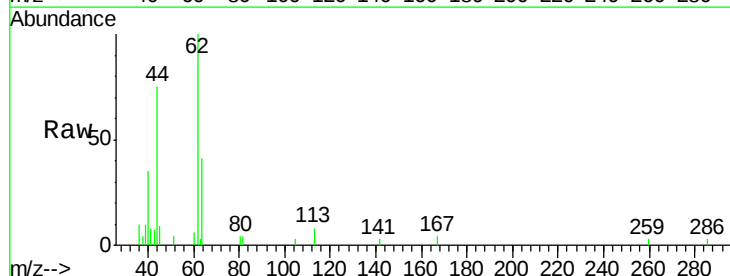
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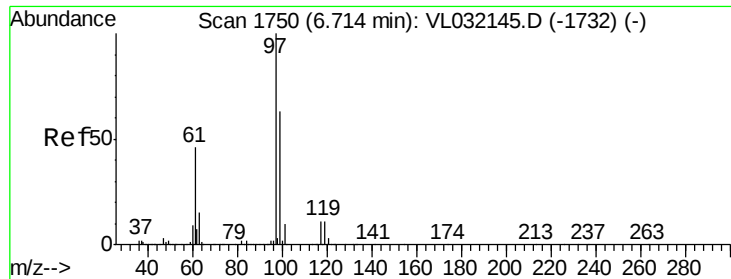


#5

Vinyl Chloride
 Concen: 0.06 ppbv
 RT: 3.35 min Scan# 705
 Delta R.T. -0.00 min
 Lab File: VL032217.D
 Acq: 6 Jul 2018 00:00

Tgt Ion: 62 Resp: 5341
 Ion Ratio Lower Upper
 62 100
 64 37.0 26.1 39.1





#32

1,1,1-Trichloroethane

Concen: 0.07 ppbv m

RT: 6.71 min Scan# 1748

Delta R.T. -0.02 min

Lab File: VL032217.D

Acq: 6 Jul 2018 00:00

Instrument :

MSVOA_L

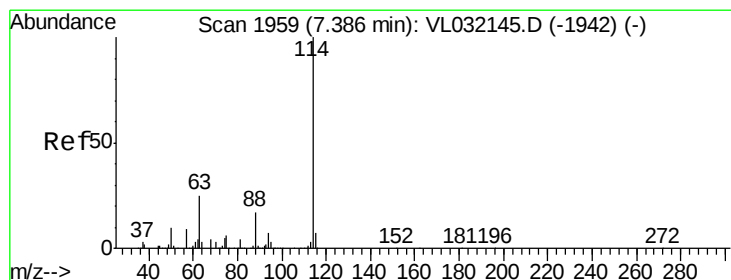
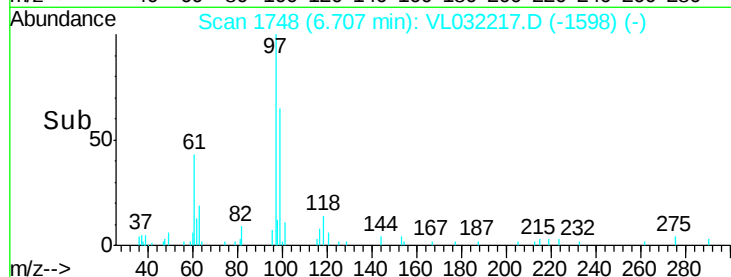
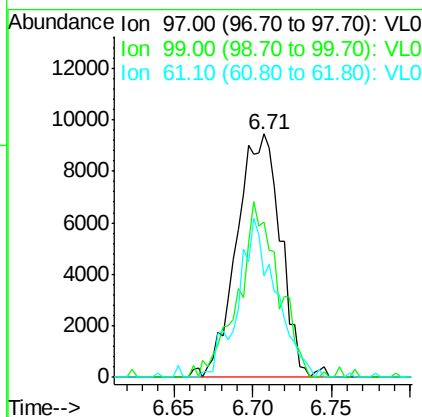
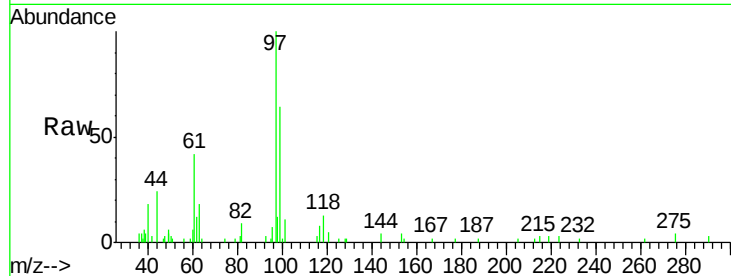
ClientSampleId :

LOQ-AIR-02-QT3-2018

Tot Ion:	97	Resp:	18146
Ion	Ratio	Lower	Upper
97	100		
99	66.1	51.3	76.9
61	57.1	38.4	57.6

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#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

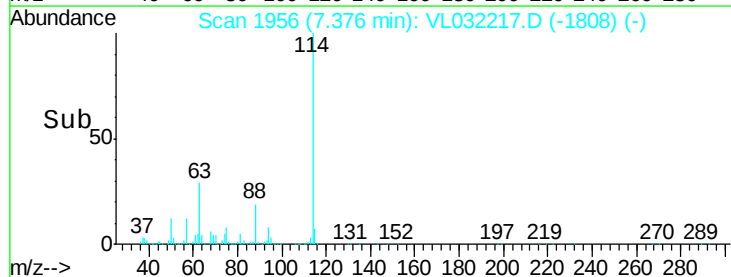
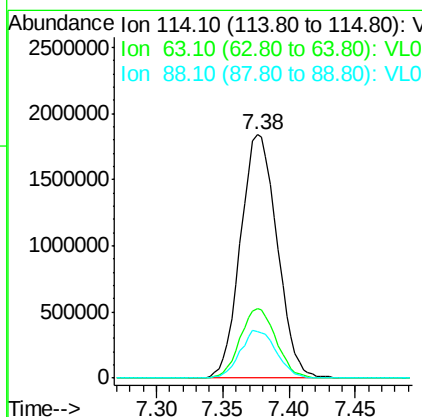
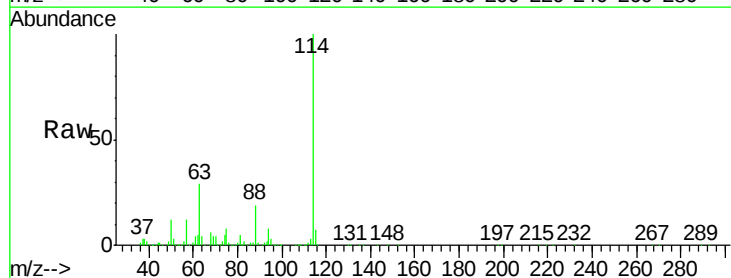
RT: 7.38 min Scan# 1956

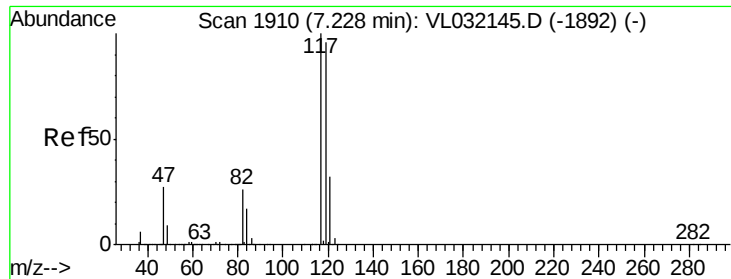
Delta R.T. -0.02 min

Lab File: VL032217.D

Acq: 6 Jul 2018 00:00

Tgt Ion:	114	Resp:	3537284
Ion	Ratio	Lower	Upper
114	100		
63	28.3	19.1	28.7
88	19.3	13.9	20.9





#35

Carbon Tetrachloride

Concen: 0.07 ppbv m

RT: 7.22 min Scan# 1908

Delta R.T. -0.02 min

Lab File: VL032217.D

Acq: 6 Jul 2018 00:00

Instrument :

MSVOA_L

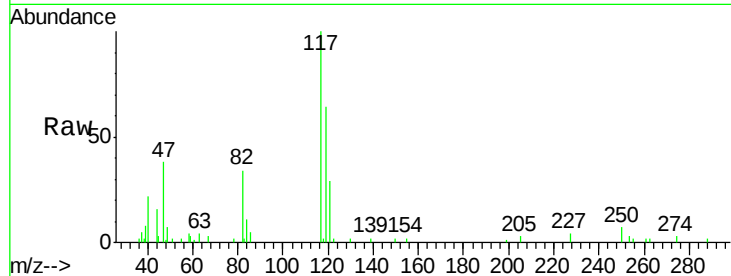
ClientSampleId :

LOQ-AIR-02-QT3-2018

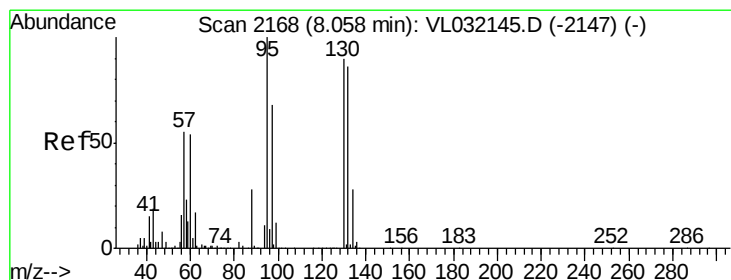
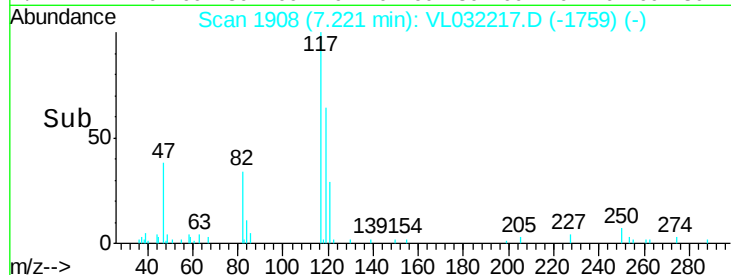
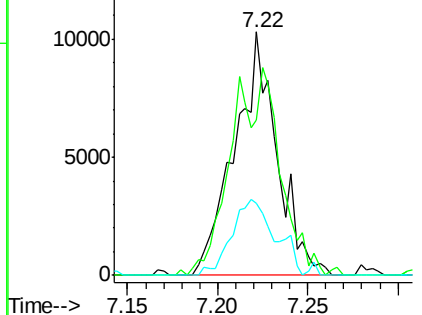
Tot Ion:	117	Resp:	16830
Ion Ratio	Lower	Upper	
117	100		
119	64.0	74.8	112.2#
121	29.4	24.0	36.0

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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: 0.07 ppbv m

RT: 8.05 min Scan# 2167

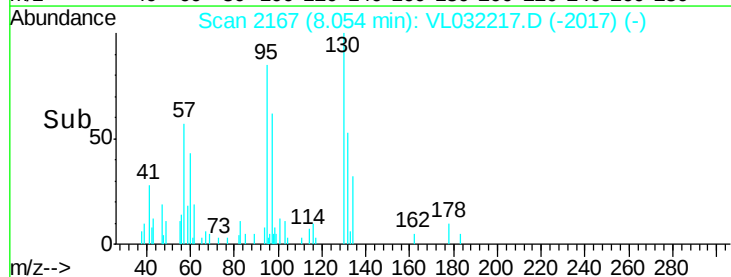
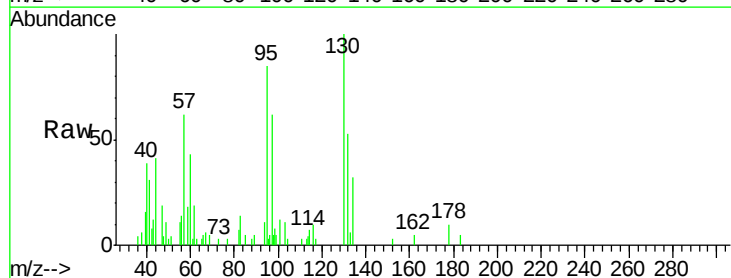
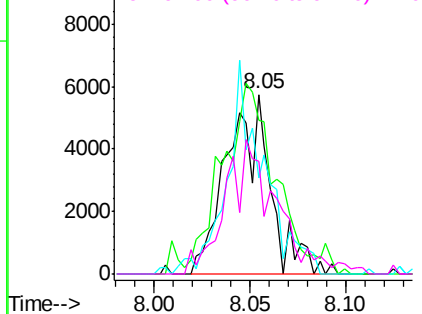
Delta R.T. -0.02 min

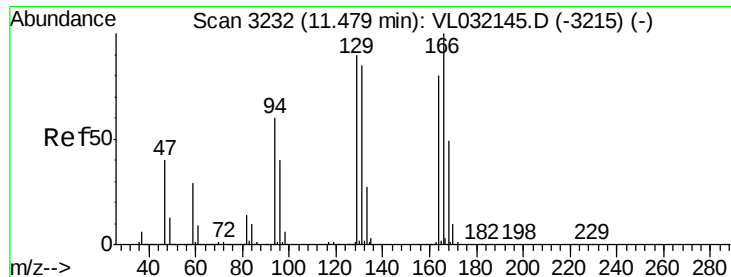
Lab File: VL032217.D

Acq: 6 Jul 2018 00:00

Tgt Ion:	130	Resp:	9261
Ion Ratio	Lower	Upper	
130	100		
95	85.2	88.1	132.1#
132	53.2	74.6	112.0#
97	62.5	58.6	88.0

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: 0.08 ppbv m

RT: 11.47 min Scan# 3228

Delta R.T. -0.03 min

Lab File: VL032217.D

Acq: 6 Jul 2018 00:00

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2018

Tot Ion:164 Resp: 9581

Ion Ratio Lower Upper

164 100

166 157.9 100.6 151.0#

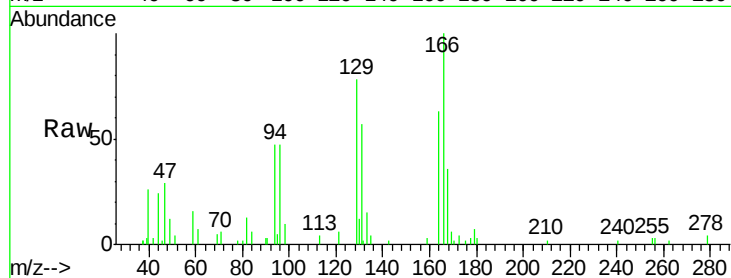
129 123.7 84.0 126.0

131 90.6 82.7 124.1

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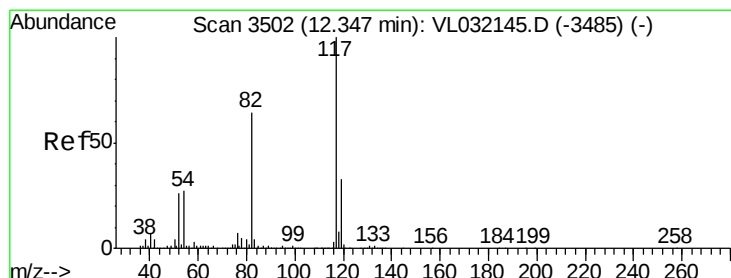
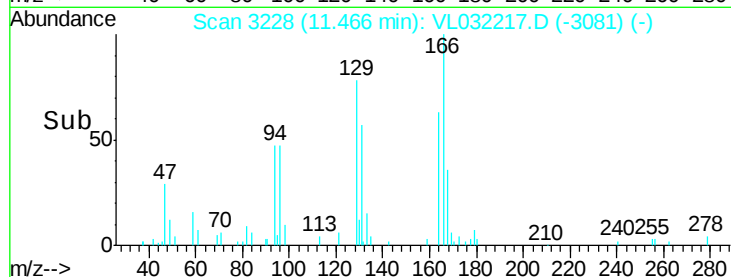
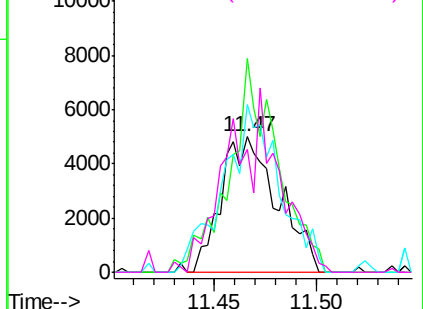


Abundance Ion 163.90 (163.60 to 164.60): V

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# 3499

Delta R.T. -0.02 min

Lab File: VL032217.D

Acq: 6 Jul 2018 00:00

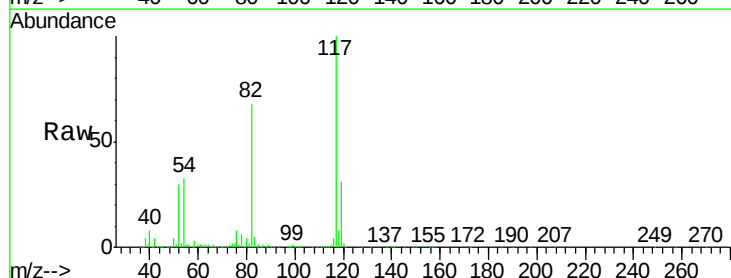
Tgt Ion:117 Resp: 3808695

Ion Ratio Lower Upper

117 100

82 70.7 47.8 71.8

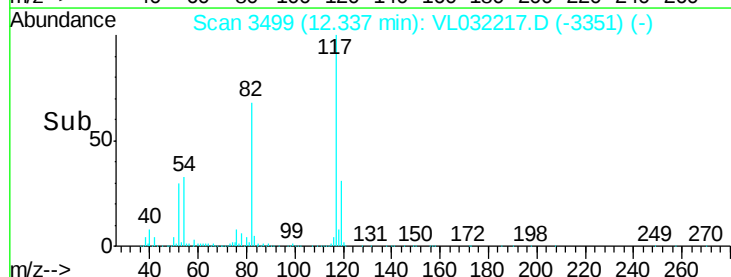
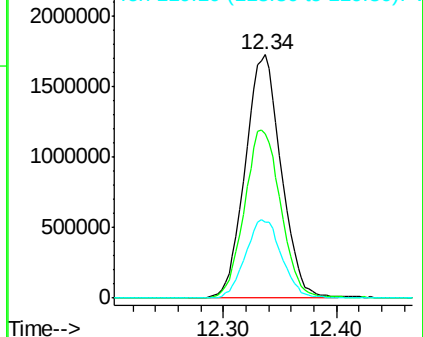
119 32.8 43.3 64.9#

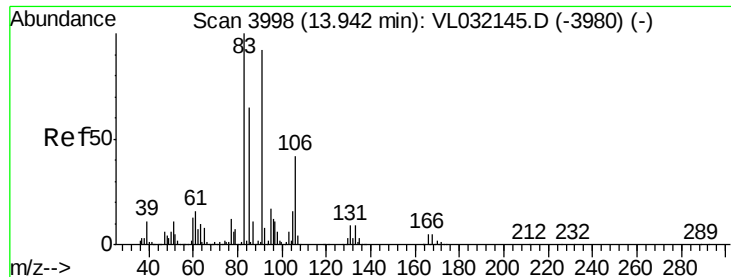


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





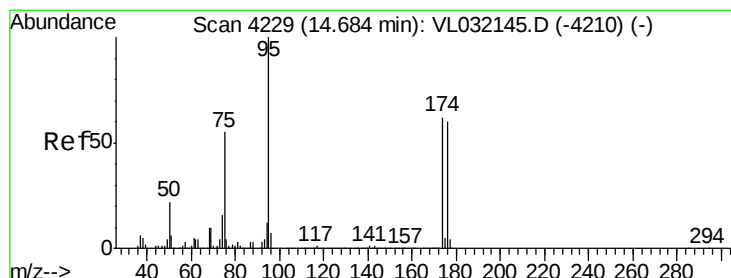
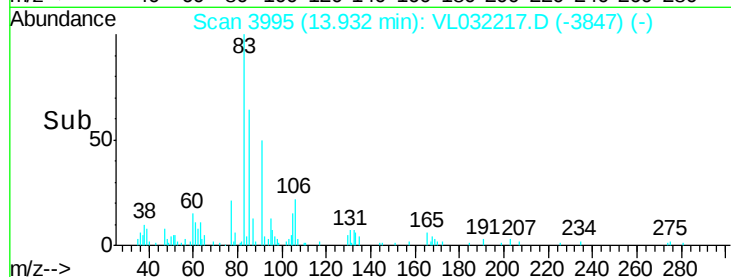
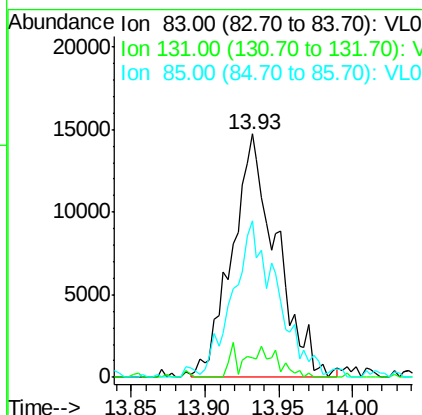
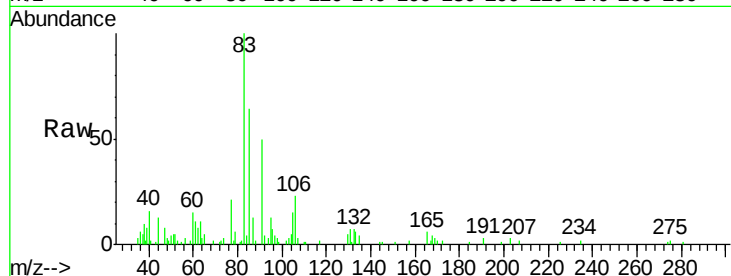
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.08 ppbv m
 RT: 13.93 min Scan# 3995
 Delta R.T. -0.02 min
 Lab File: VL032217.D
 Acq: 6 Jul 2018 00:00

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2018

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.6	13.8
85	65.9	32.4	97.2

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.08 ppbv
 RT: 14.67 min Scan# 4224
 Delta R.T. -0.03 min
 Lab File: VL032217.D
 Acq: 6 Jul 2018 00:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	54.8	52.1	78.1
175	3.9	4.0	6.0

