

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070518\
 Data File : VL032219.D
 Acq On : 6 Jul 2018 1:15
 Operator : SY/AP
 Sample : J3762-13 0.03 PPB LOD
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2018

Manual Integrations
 APPROVED

MMDadoda
 7/9/2018 10:47:44 AM

Quant Time: Jul 06 06:35:58 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	1550741	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.38	114	3929940	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.34	117	3755886	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	2925208	10.19	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.35	62	3206m	0.03	ppbv	
32) 1,1,1-Trichloroethane	6.70	97	8297m	0.03	ppbv	
35) Carbon Tetrachloride	7.22	117	8533m	0.03	ppbv	
38) Trichloroethene	8.05	130	4791m	0.03	ppbv	
52) Tetrachloroethene	11.47	164	4791m	0.03	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.93	83	14523m	0.04	ppbv	

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

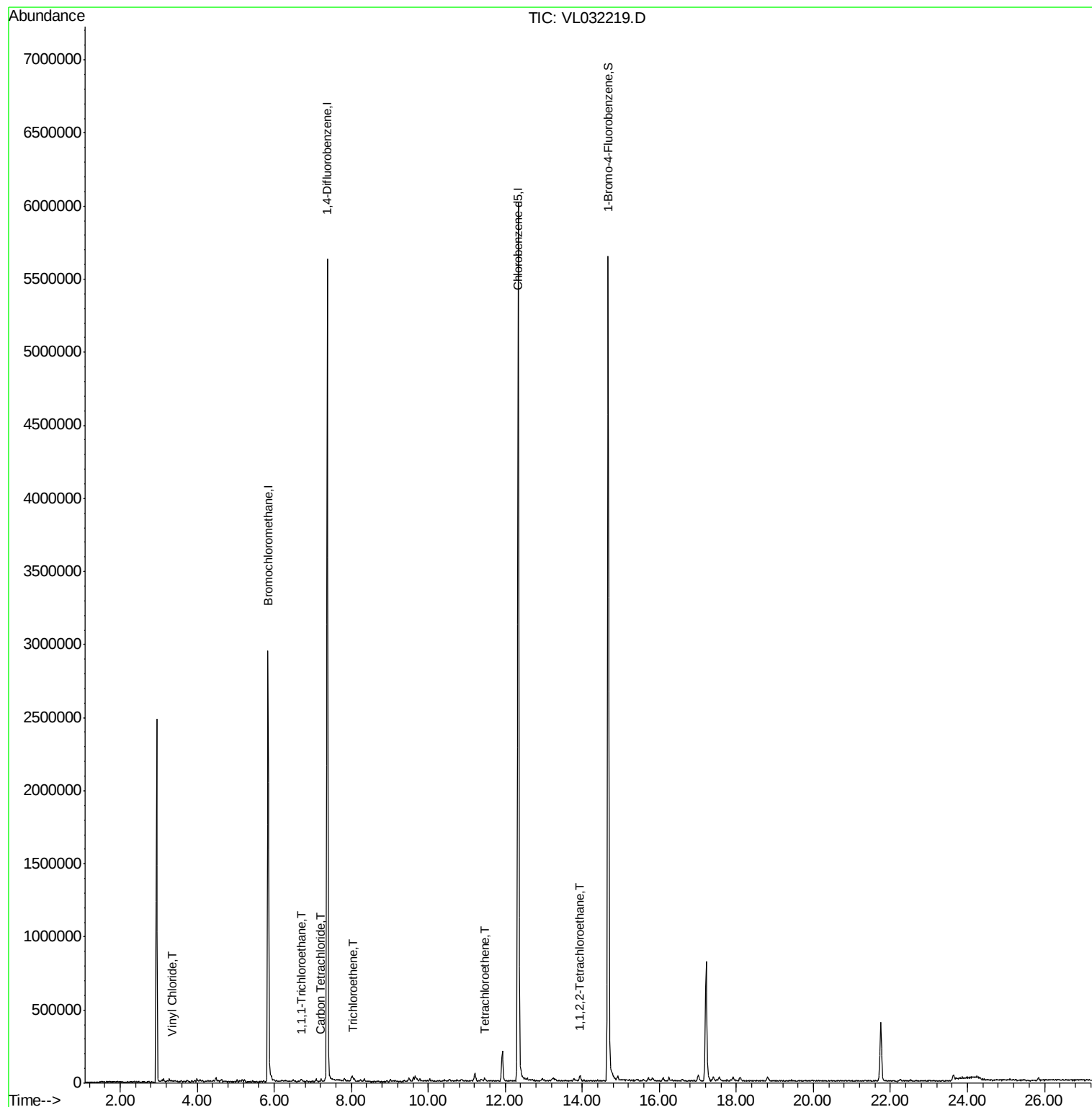
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL070518\
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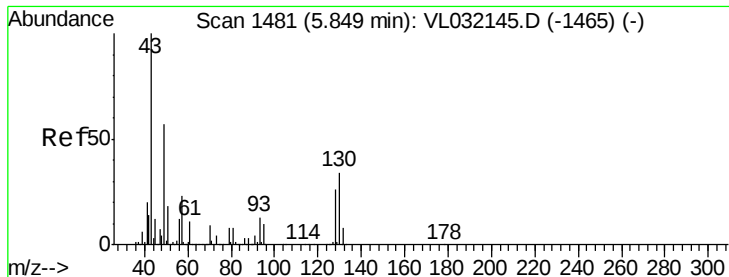
Instrument :
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ClientSampleId :
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#1

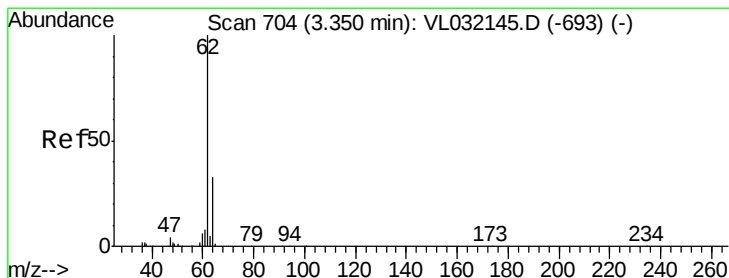
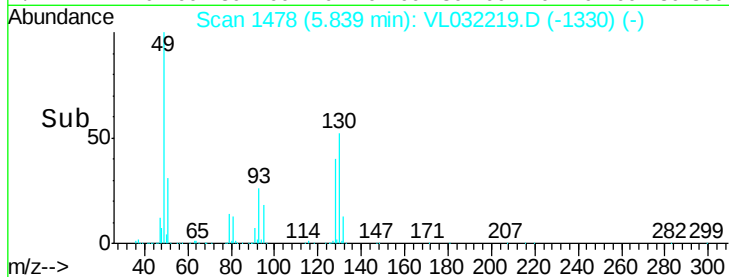
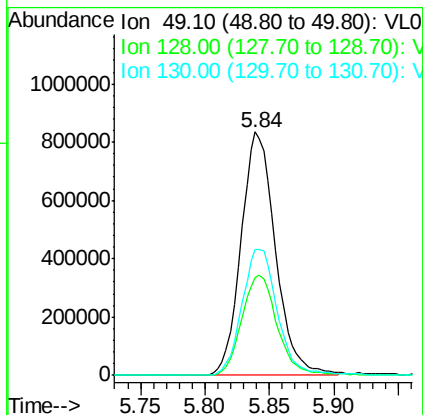
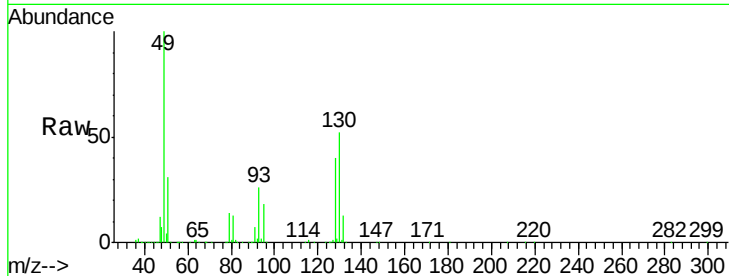
Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.84 min Scan# 1478
 Delta R.T. -0.02 min
 Lab File: VL032219.D
 Acq: 6 Jul 2018 1:15

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2018

Tot Ion: 49 Resp: 1550741
 Ion Ratio Lower Upper
 49 100
 128 42.7 23.4 70.0
 130 54.1 30.3 90.9

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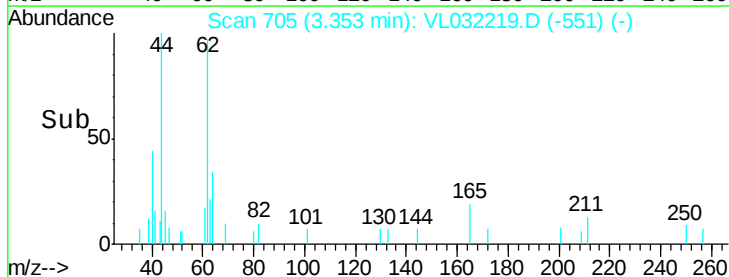
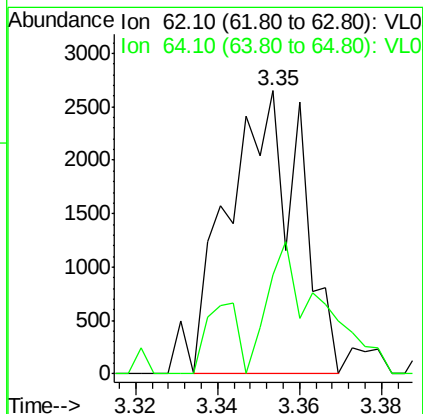
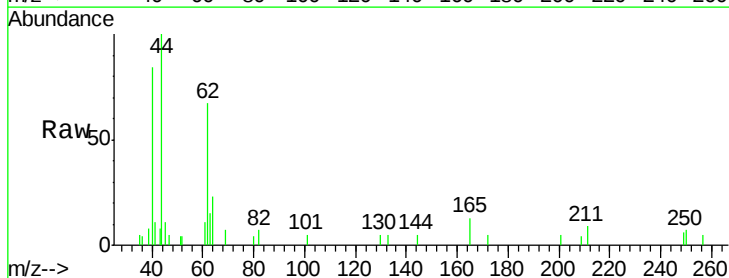
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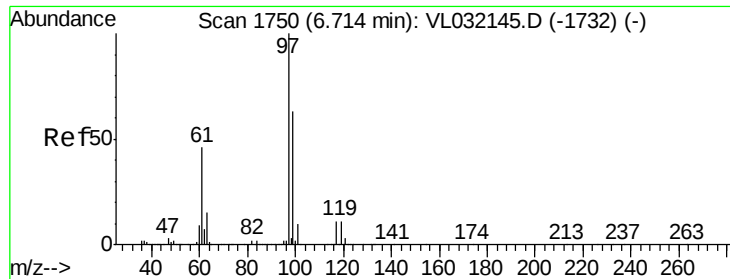


#5

Vinyl Chloride
 Concen: 0.03 ppbv m
 RT: 3.35 min Scan# 705
 Delta R.T. -0.00 min
 Lab File: VL032219.D
 Acq: 6 Jul 2018 1:15

Tgt Ion: 62 Resp: 3206
 Ion Ratio Lower Upper
 62 100
 64 35.0 26.1 39.1





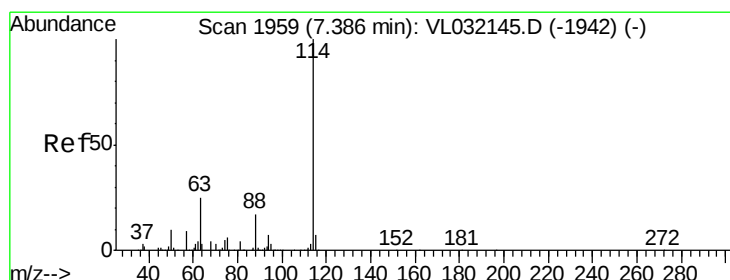
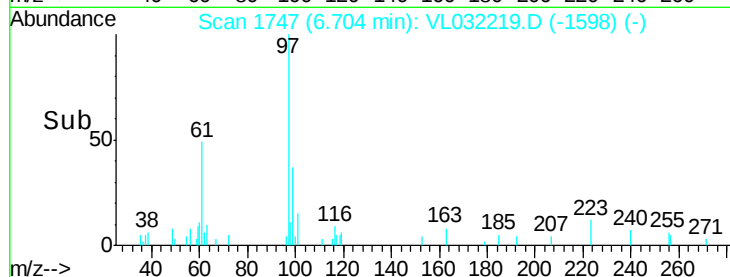
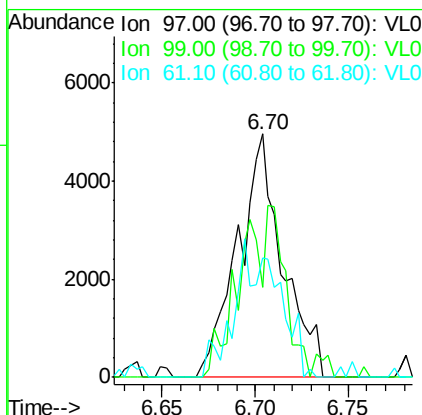
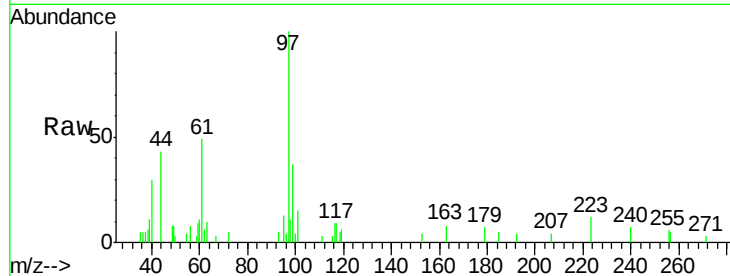
#32
 1,1,1-Trichloroethane
 Concen: 0.03 ppbv m
 RT: 6.70 min Scan# 1747
 Delta R.T. -0.02 min
 Lab File: VL032219.D
 Acq: 6 Jul 2018 1:15

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.3	76.9#
61	56.5	38.4	57.6

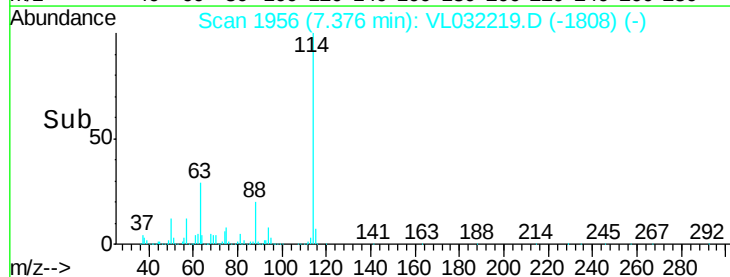
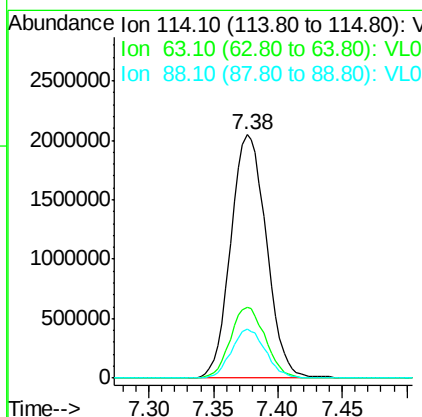
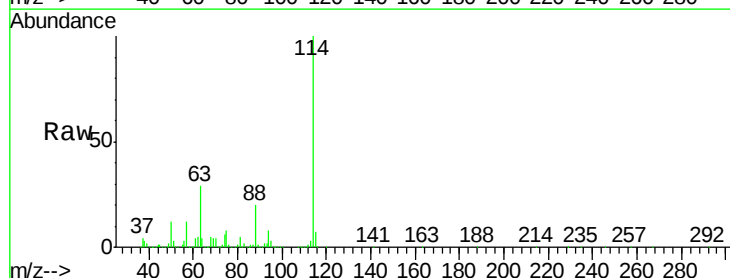
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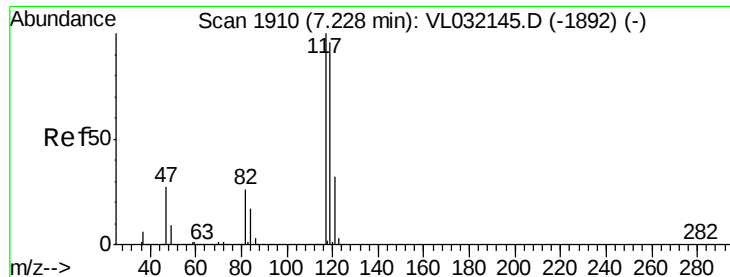
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#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.38 min Scan# 1956
 Delta R.T. -0.02 min
 Lab File: VL032219.D
 Acq: 6 Jul 2018 1:15

Tgt Ion	Ratio	Lower	Upper
114	100		
63	28.8	19.1	28.7#
88	19.4	13.9	20.9





#35

Carbon Tetrachloride

Concen: 0.03 ppbv m

RT: 7.22 min Scan# 1909

Delta R.T. -0.02 min

Lab File: VL032219.D

Acq: 6 Jul 2018 1:15

Instrument :

MSVOA_L

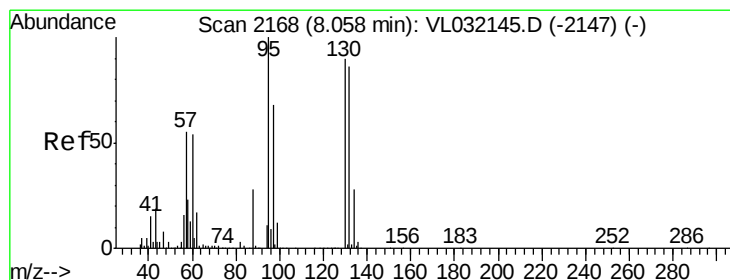
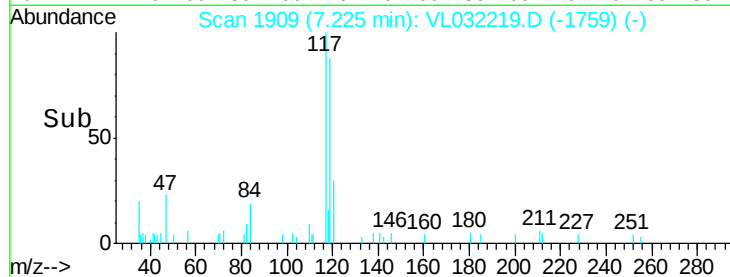
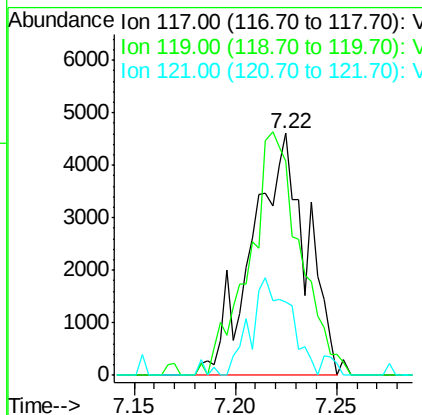
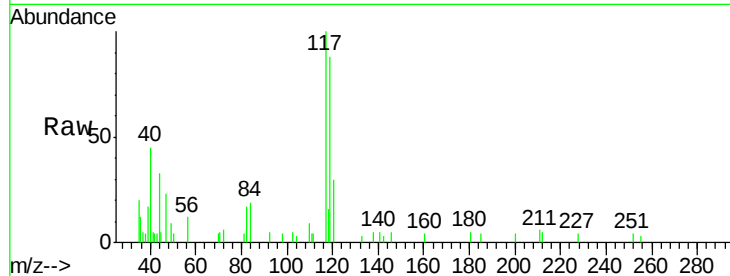
ClientSampleId :

LOD-MDL-AIR-01-QT3-2018

Tot Ion:	117	Resp:	8533
Ion Ratio	Lower	Upper	
117	100		
119	88.4	74.8	112.2
121	30.2	24.0	36.0

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#38

Trichloroethene

Concen: 0.03 ppbv m

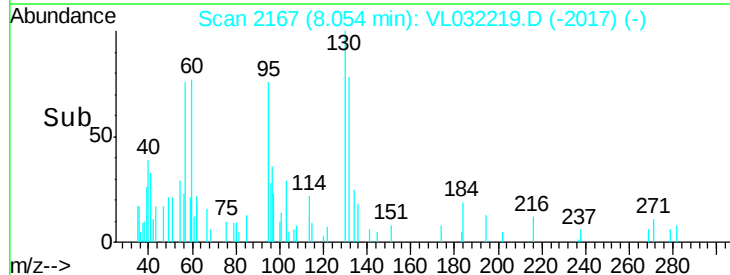
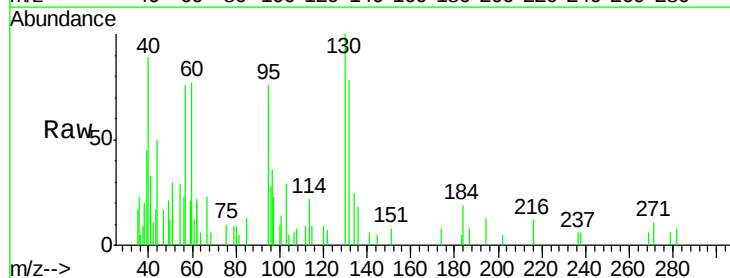
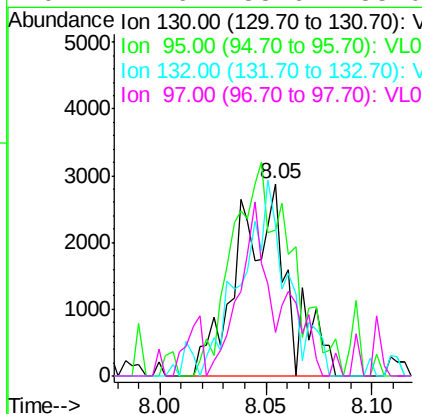
RT: 8.05 min Scan# 2167

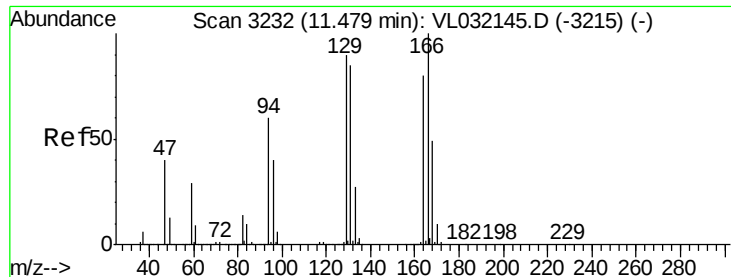
Delta R.T. -0.02 min

Lab File: VL032219.D

Acq: 6 Jul 2018 1:15

Tgt Ion:	130	Resp:	4791
Ion Ratio	Lower	Upper	
130	100		
95	76.1	88.1	132.1#
132	78.5	74.6	112.0
97	22.6	58.6	88.0#





#52

Tetrachloroethene

Concen: 0.03 ppbv m

RT: 11.47 min Scan# 3230

Delta R.T. -0.02 min

Lab File: VL032219.D

Acq: 6 Jul 2018 1:15

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2018

Tot Ion:164 Resp: 4791

Ion Ratio Lower Upper

164 100

166 134.9 100.6 151.0

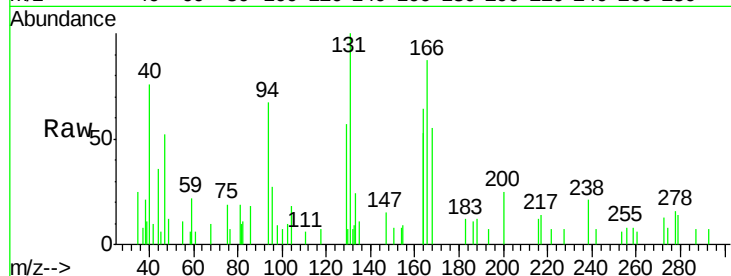
129 88.2 84.0 126.0

131 155.6 82.7 124.1#

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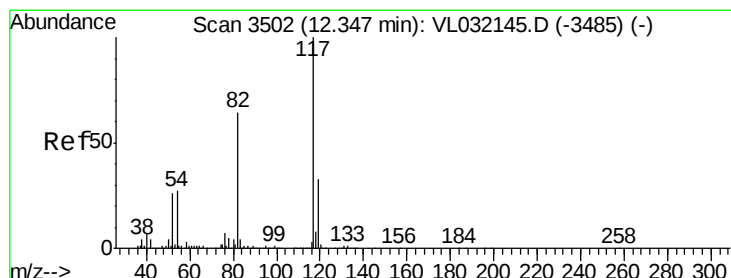
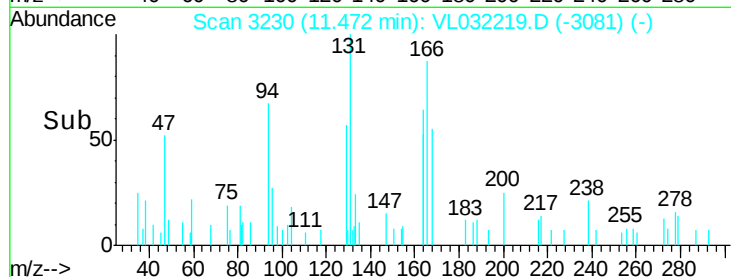
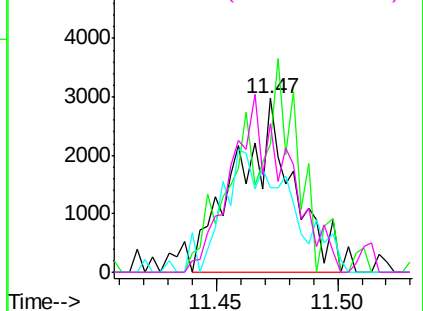


Abundance Ion 163.90 (163.60 to 164.60): V

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: VL032219.D

Acq: 6 Jul 2018 1:15

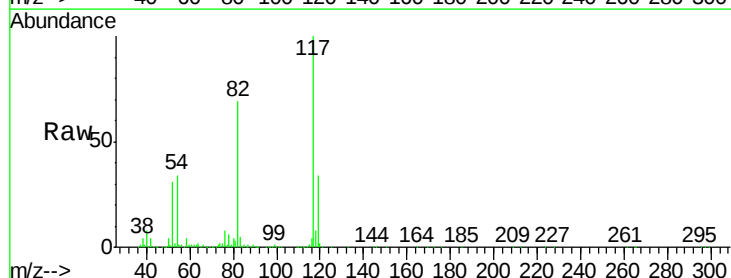
Tgt Ion:117 Resp: 3755886

Ion Ratio Lower Upper

117 100

82 70.9 47.8 71.8

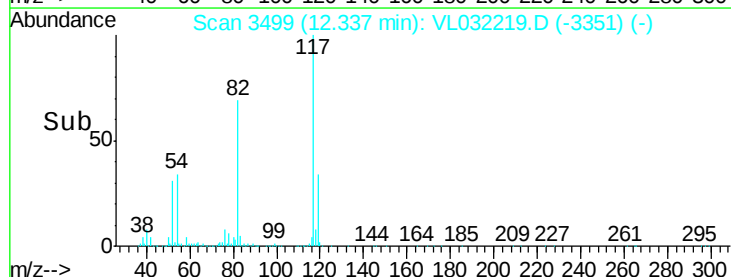
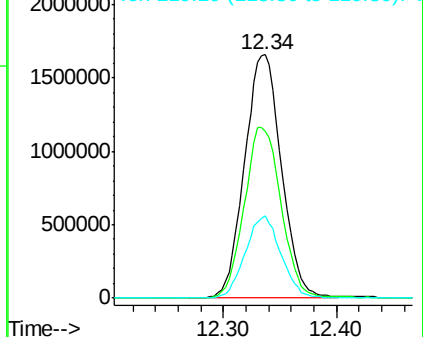
119 33.0 43.3 64.9#

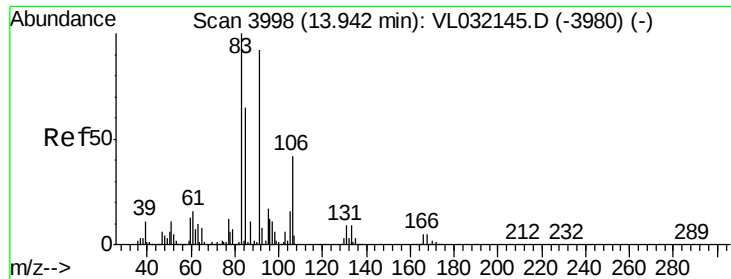


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





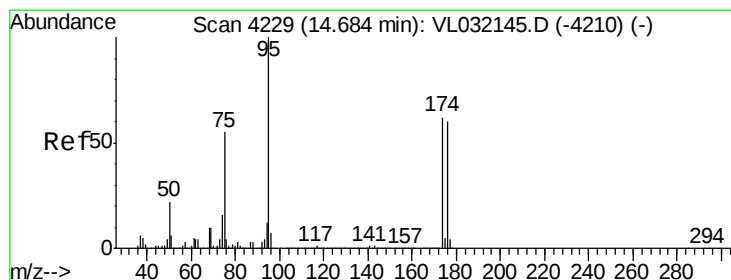
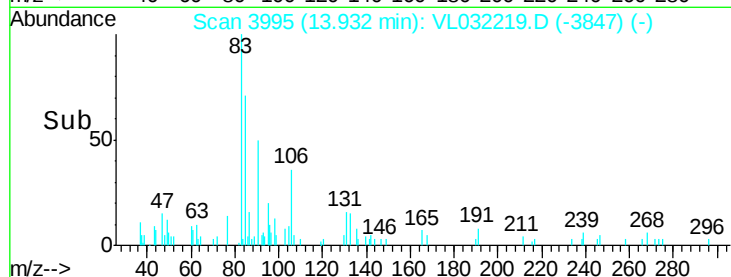
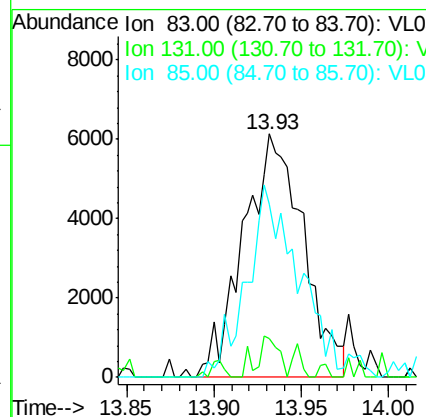
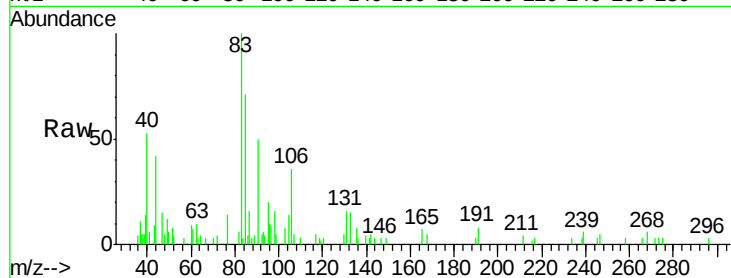
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.04 ppbv m
 RT: 13.93 min Scan# 3995
 Delta R.T. -0.02 min
 Lab File: VL032219.D
 Acq: 6 Jul 2018 1:15

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.6	13.8
85	71.2	32.4	97.2

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.19 ppbv
 RT: 14.67 min Scan# 4225
 Delta R.T. -0.03 min
 Lab File: VL032219.D
 Acq: 6 Jul 2018 1:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	55.1	52.1	78.1
175	4.0	4.0	6.0

