

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL072320\
 Data File : VL035230.D
 Acq On : 23 Jul 2020 15:48
 Operator : SY/AP
 Sample : L3216-13 0.03 LOD
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2020

Manual Integrations
 APPROVED

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 7/27/2020 12:29:53 PM

Quant Time: Jul 24 06:37:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1119218	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2736260	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2613252	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2129198	10.03	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl Chloride	3.21	62	4445m	0.060	ppbv	
32) 1,1,1-Trichloroethane	6.50	97	8831m	0.051	ppbv	
35) Carbon Tetrachloride	7.01	117	9392m	0.053	ppbv	
38) Trichloroethene	7.84	130	4149m	0.051	ppbv	
52) Tetrachloroethene	11.24	164	3245m	0.044	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.71	83	11108m	0.052	ppbv	

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

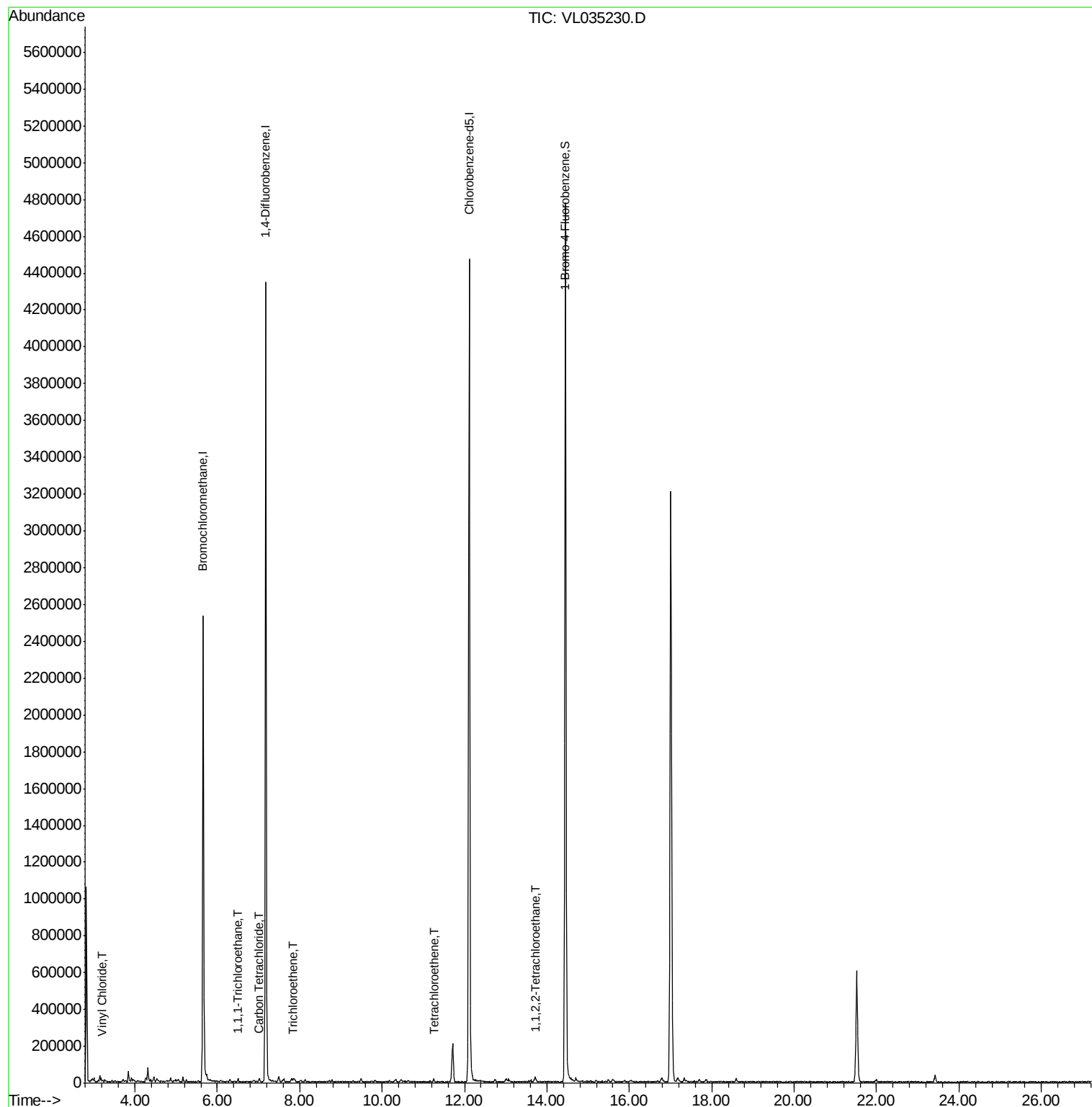
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL072320\
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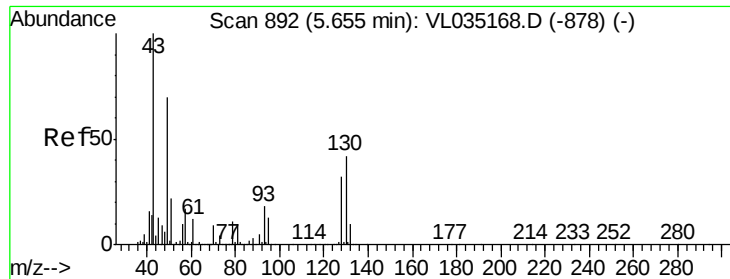
Instrument :
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#1

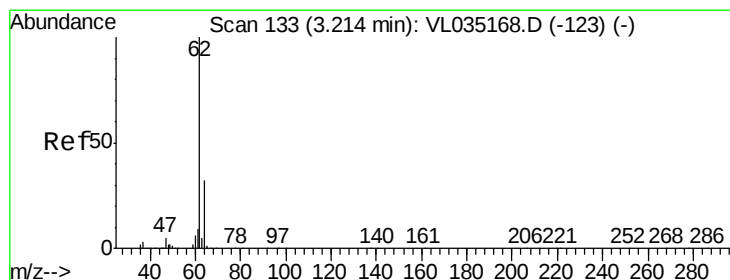
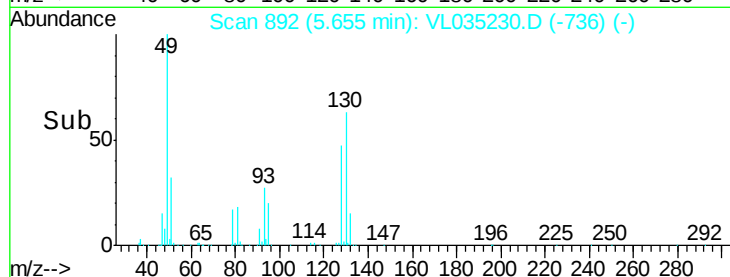
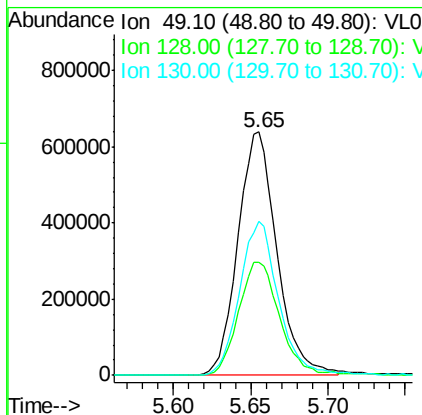
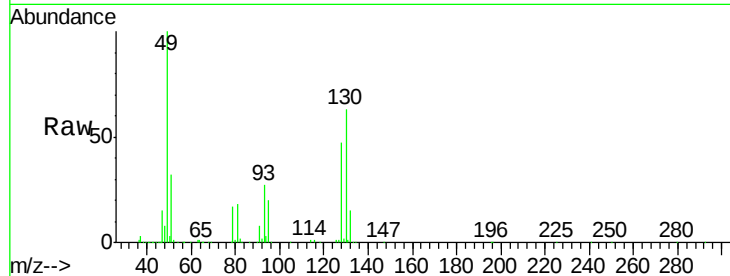
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VL035230.D
 Acq: 23 Jul 2020 15:48

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2020

Tgt Ion: 49 Resp: 1119218
 Ion Ratio Lower Upper
 49 100
 128 49.6 23.8 71.4
 130 63.4 29.9 89.8

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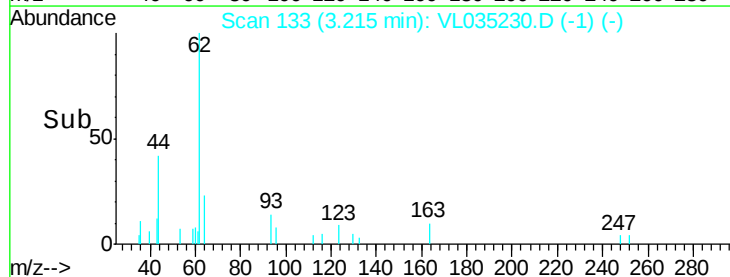
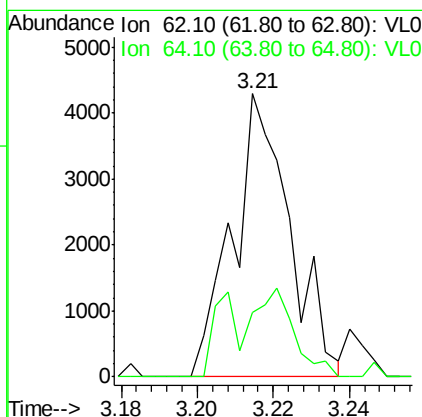
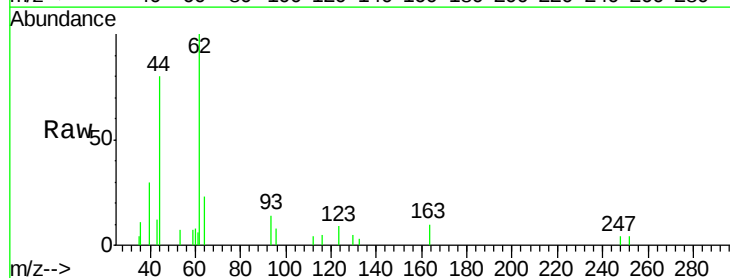
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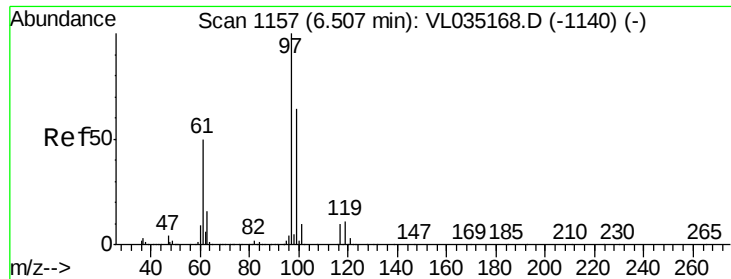


#5

Vinyl Chloride
 Concen: 0.060 ppbv m
 RT: 3.21 min Scan# 133
 Delta R.T. 0.00 min
 Lab File: VL035230.D
 Acq: 23 Jul 2020 15:48

Tgt Ion: 62 Resp: 4445
 Ion Ratio Lower Upper
 62 100
 64 22.8 25.9 38.9#





#32

1,1,1-Trichloroethane

Concen: 0.051 ppbv m

RT: 6.50 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VL035230.D

Acq: 23 Jul 2020 15:48

Instrument :

MSVOA_L

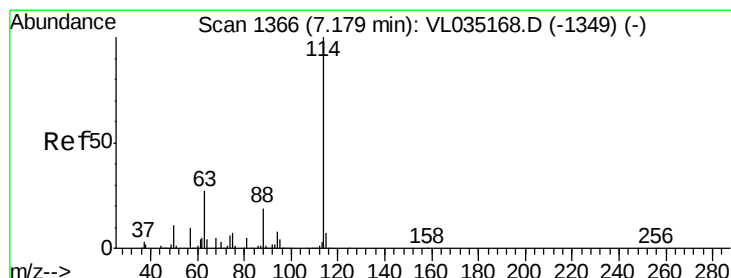
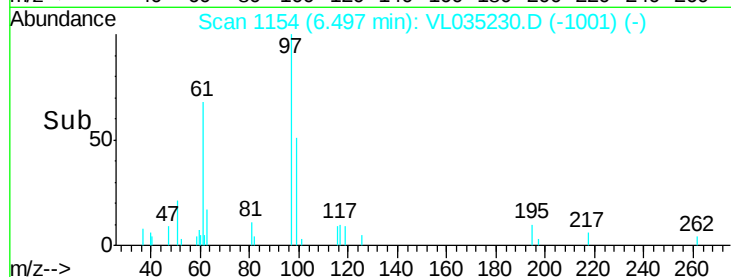
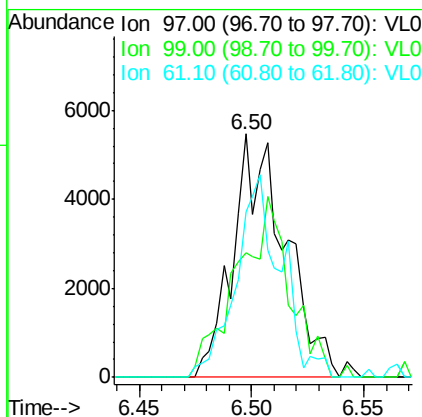
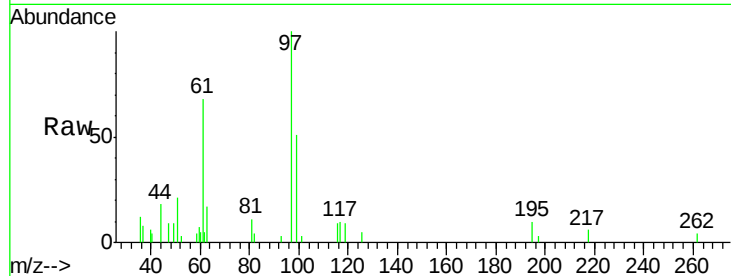
ClientSampleId :

LOD-MDL-AIR-01-QT3-2020

Tgt Ion:	97	Resp:	8831
Ion Ratio	Lower	Upper	
97	100		
99	75.7	51.2	76.8
61	71.4	40.9	61.3#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

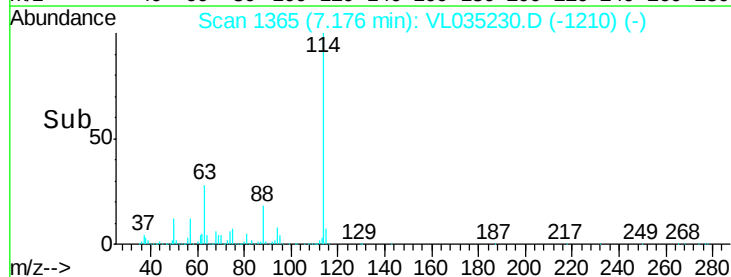
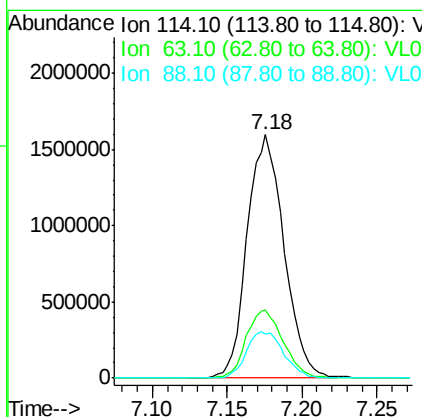
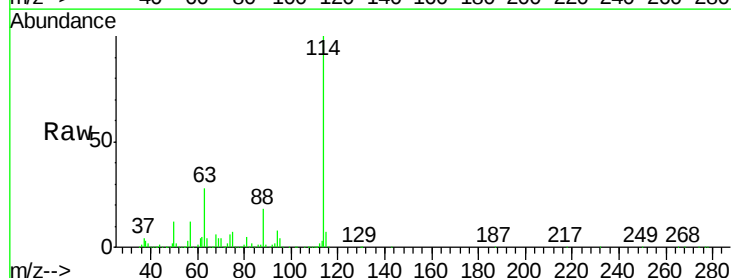
RT: 7.18 min Scan# 1365

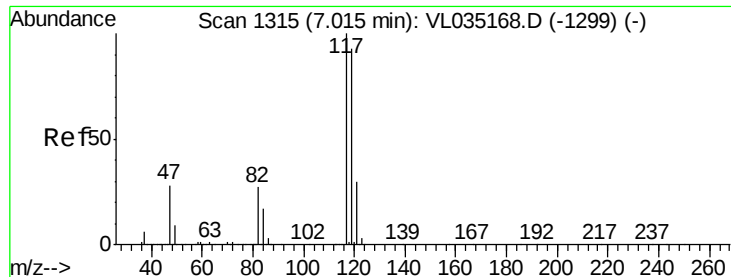
Delta R.T. -0.00 min

Lab File: VL035230.D

Acq: 23 Jul 2020 15:48

Tgt Ion:	114	Resp:	2736260
Ion Ratio	Lower	Upper	
114	100		
63	28.1	22.0	33.0
88	19.4	15.4	23.0





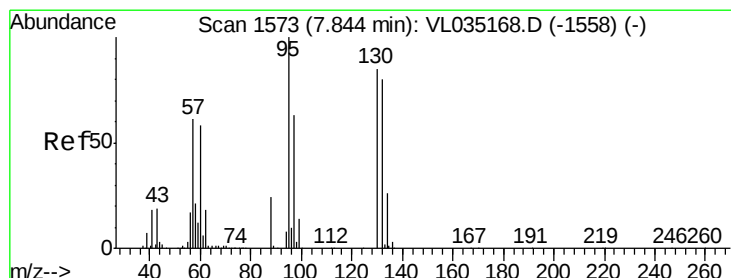
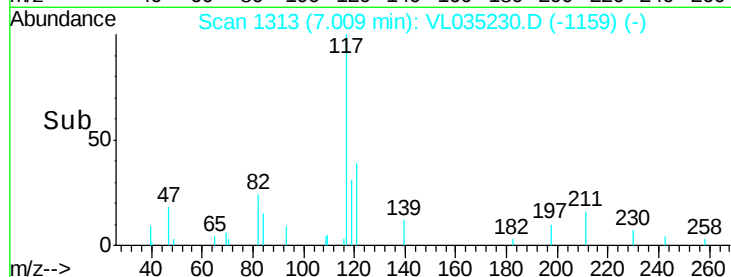
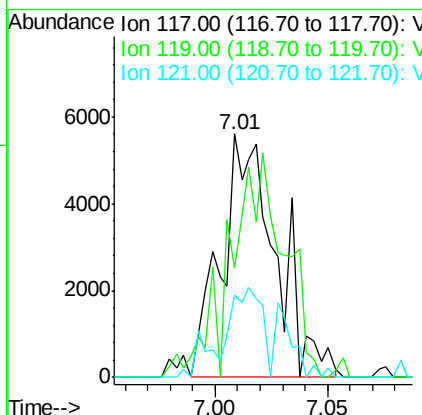
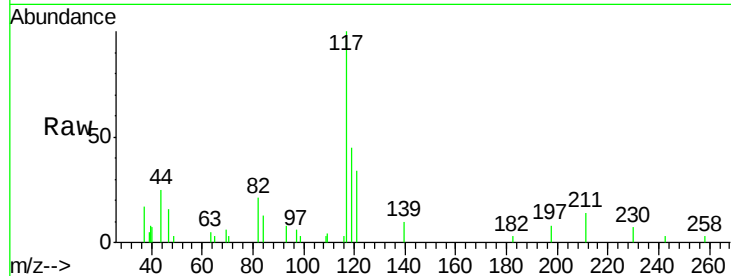
#35
Carbon Tetrachloride
Concen: 0.053 ppbv m
RT: 7.01 min Scan# 1313
Delta R.T. -0.01 min
Lab File: VL035230.D
Acq: 23 Jul 2020 15:48

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2020

Tgt Ion	Ratio	Lower	Upper
117	100		
119	45.0	74.8	112.2#
121	33.8	24.2	36.2

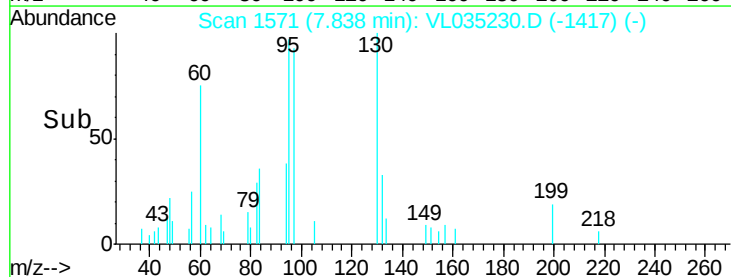
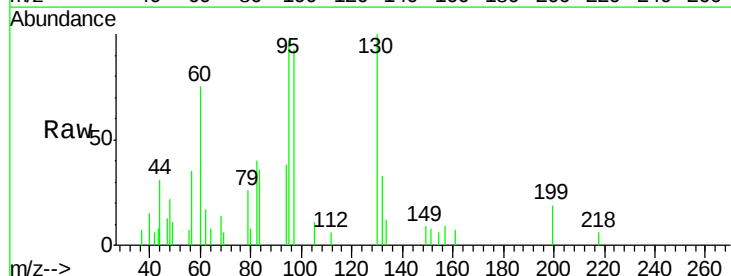
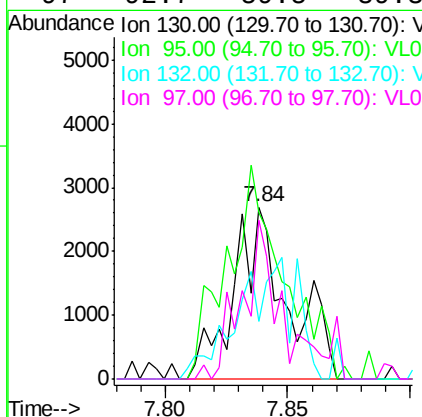
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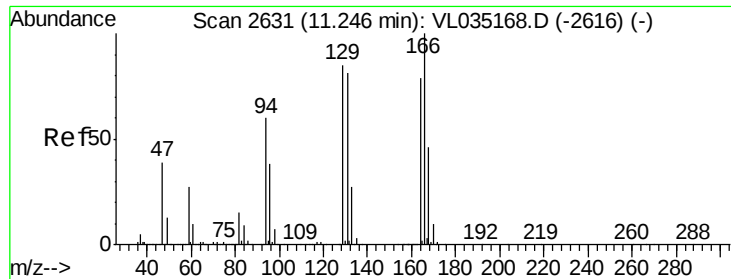
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#38
Trichloroethene
Concen: 0.051 ppbv m
RT: 7.84 min Scan# 1571
Delta R.T. -0.01 min
Lab File: VL035230.D
Acq: 23 Jul 2020 15:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.8	93.8	140.8
132	33.3	75.0	112.4#
97	92.7	59.5	89.3#





#52

Tetrachloroethene

Concen: 0.044 ppbv m

RT: 11.24 min Scan# 2630

Delta R.T. -0.00 min

Lab File: VL035230.D

Acq: 23 Jul 2020 15:48

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2020

Tgt Ion:164 Resp: 3245

Ion Ratio Lower Upper

164 100

166 77.2 100.7 151.1#

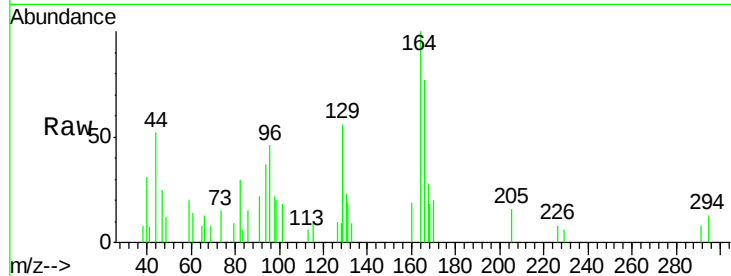
129 55.5 85.8 128.6#

131 22.5 82.0 123.0#

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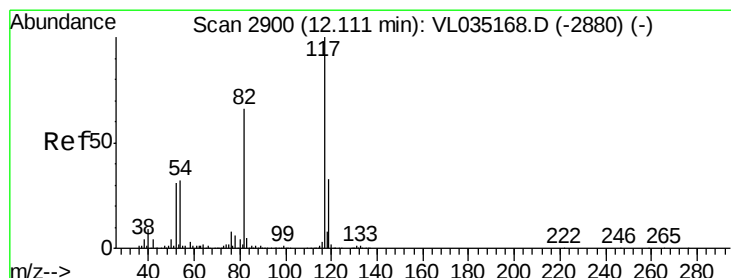
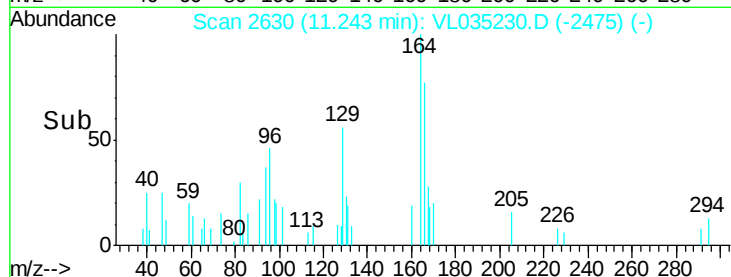
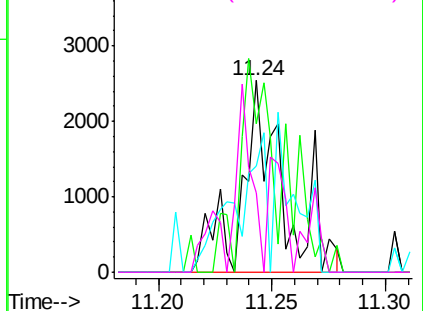


Abundance Ion 163.90 (163.60 to 164.60): V

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: 10.000 ppbv

RT: 12.11 min Scan# 2900

Delta R.T. 0.00 min

Lab File: VL035230.D

Acq: 23 Jul 2020 15:48

Tgt Ion:117 Resp: 2613252

Ion Ratio Lower Upper

117 100

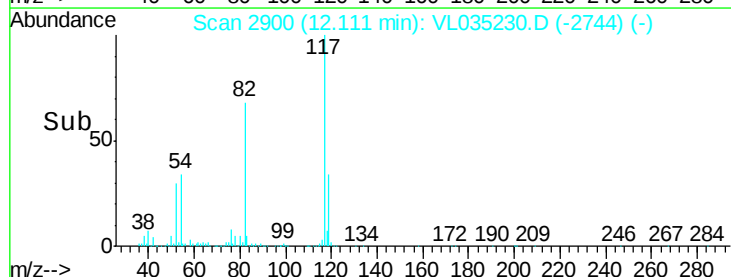
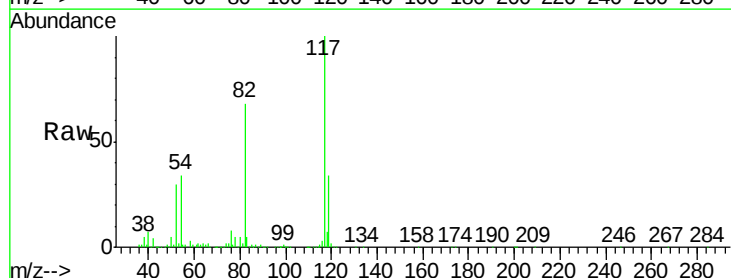
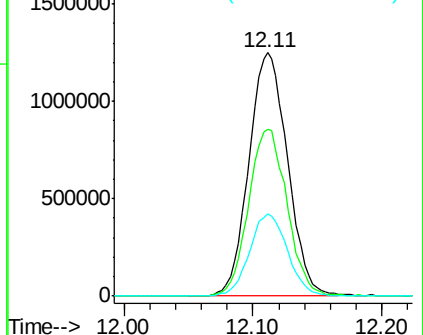
82 68.3 52.3 78.5

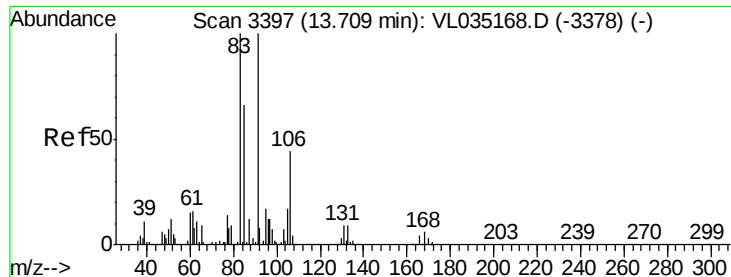
119 33.2 24.9 37.3

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: 0.052 ppbv m

RT: 13.71 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VL035230.D

Acq: 23 Jul 2020 15:48

Instrument :

MSVOA_L

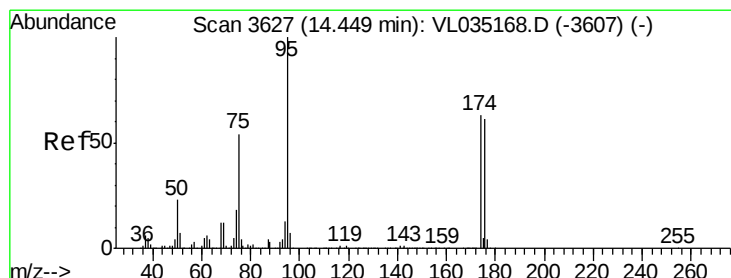
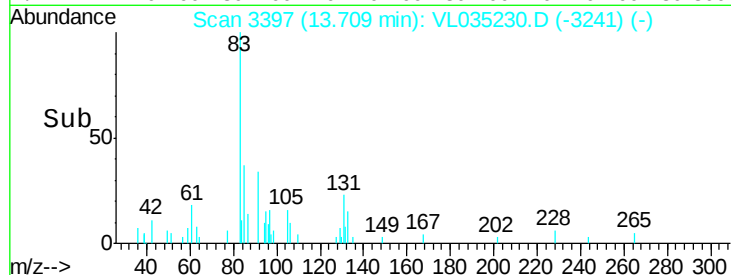
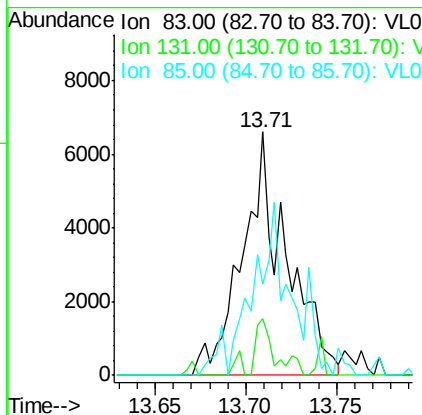
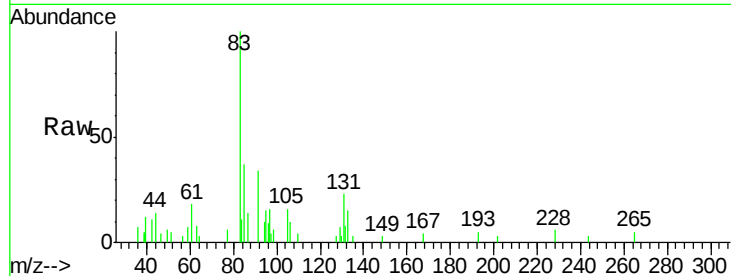
ClientSampleId :

LOD-MDL-AIR-01-QT3-2020

Tgt Ion:	83	Resp:	11108
Ion Ratio	Lower	Upper	
83	100		
131	11.8	4.7	14.0
85	0.0	33.0	99.0#

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.030 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. 0.00 min

Lab File: VL035230.D

Acq: 23 Jul 2020 15:48

Tgt Ion:	95	Resp:	2129198
Ion Ratio	Lower	Upper	
95	100		
174	64.2	52.2	78.2
175	4.6	4.0	6.0

