

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050620\
 Data File : VL034952.D
 Acq On : 7 May 2020 2:41
 Operator : SY/AP
 Sample : L2182-14 0.03PPB
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT2-2020

Manual Integrations
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 5/7/2020 2:31:49 PM

Quant Time: May 07 07:55:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1137019	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2570258	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2402568	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2005642	10.31	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.23	62	3964m	0.055	ppbv	
32) 1,1,1-Trichloroethane	6.52	97	5600m	0.035	ppbv	
35) Carbon Tetrachloride	7.03	117	5006m	0.031	ppbv	
38) Trichloroethene	7.85	130	2840m	0.035	ppbv	
52) Tetrachloroethene	11.26	164	2594m	0.034	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.73	83	8100m	0.040	ppbv	

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

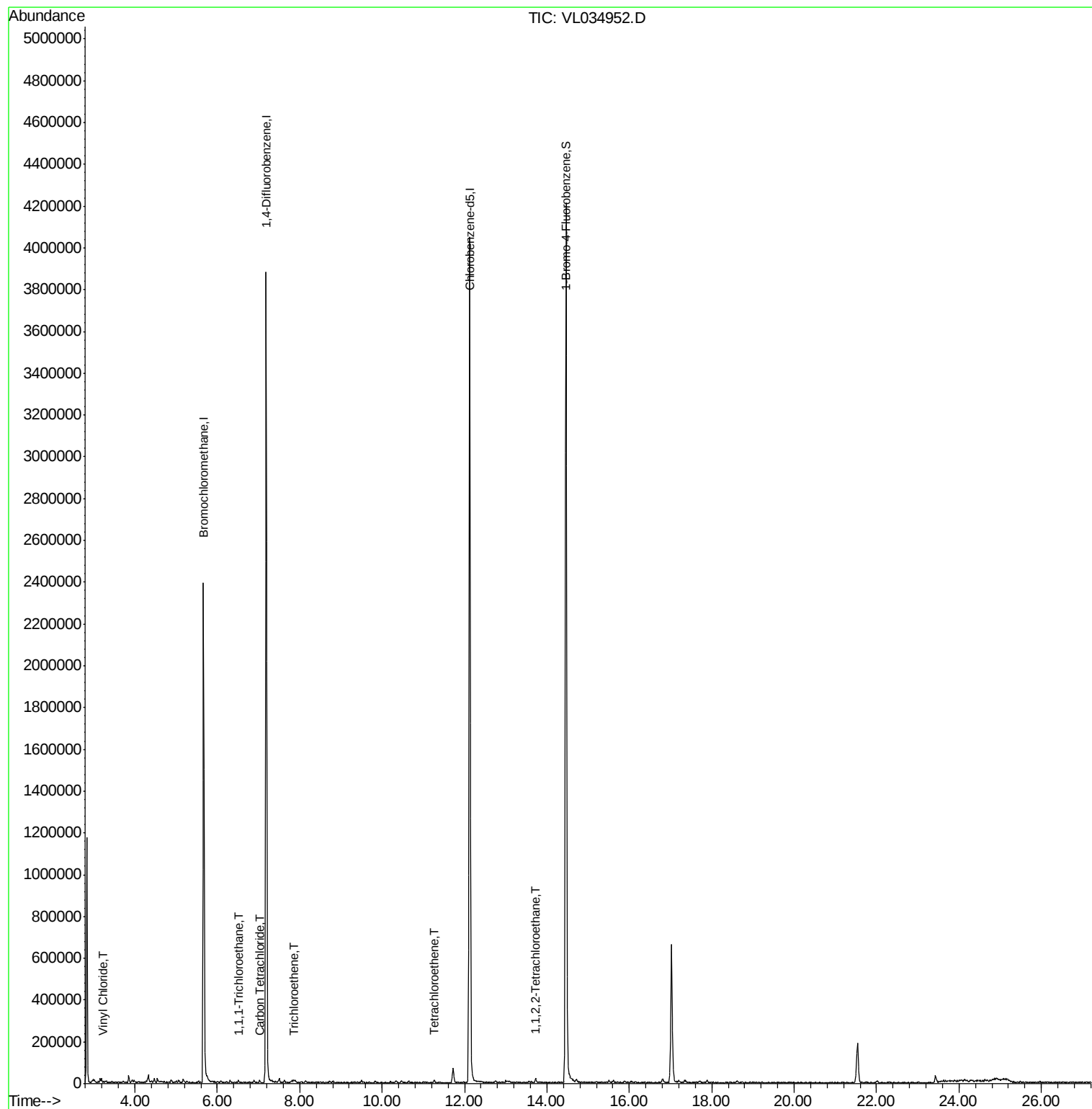
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL050620\
Data File : VL034952.D
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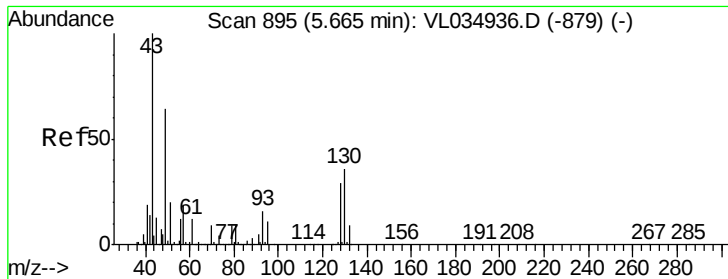
Instrument :
MSVOA_L
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#1

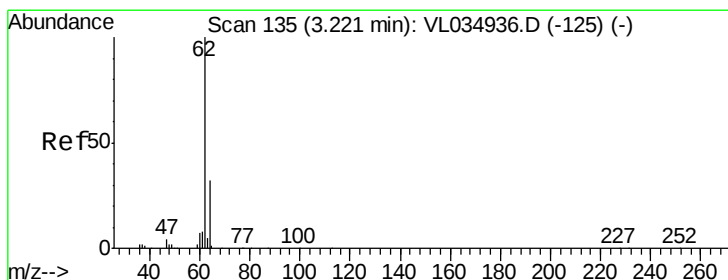
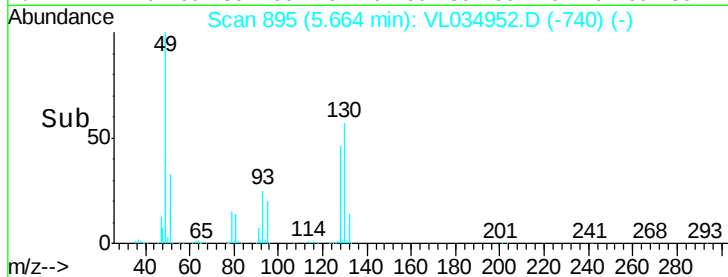
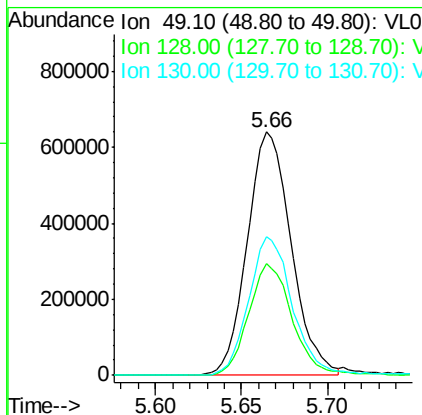
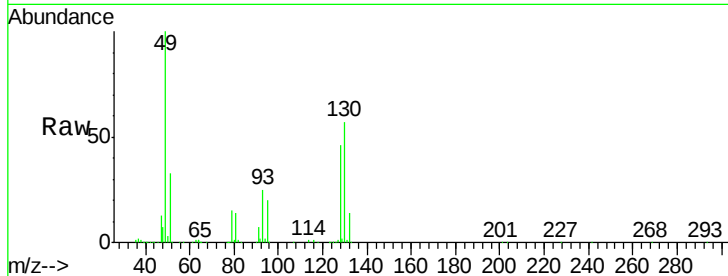
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 895
 Delta R.T. -0.00 min
 Lab File: VL034952.D
 Acq: 7 May 2020 2:41

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT2-2020

Tot Ion: 49 Resp: 1137019
 Ion Ratio Lower Upper
 49 100
 128 45.7 22.1 66.5
 130 57.6 29.1 87.3

Manual Integrations
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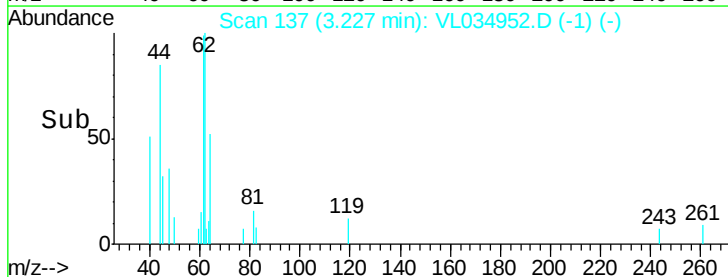
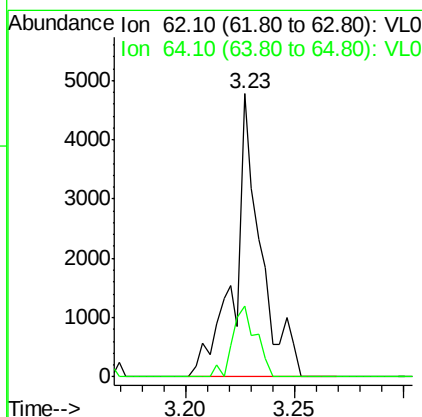
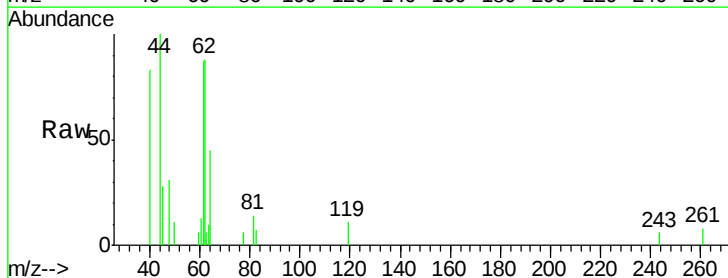
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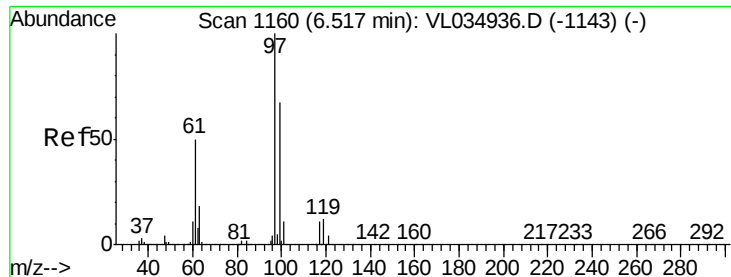


#5

Vinyl Chloride
 Concen: 0.055 ppbv m
 RT: 3.23 min Scan# 137
 Delta R.T. 0.01 min
 Lab File: VL034952.D
 Acq: 7 May 2020 2:41

Tgt Ion: 62 Resp: 3964
 Ion Ratio Lower Upper
 62 100
 64 52.0 25.7 38.5#





#32

1,1,1-Trichloroethane

Concen: 0.035 ppbv m

RT: 6.52 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VL034952.D

Acq: 7 May 2020 2:41

Instrument :

MSVOA_L

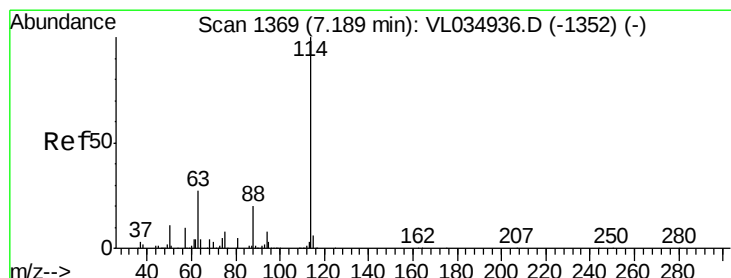
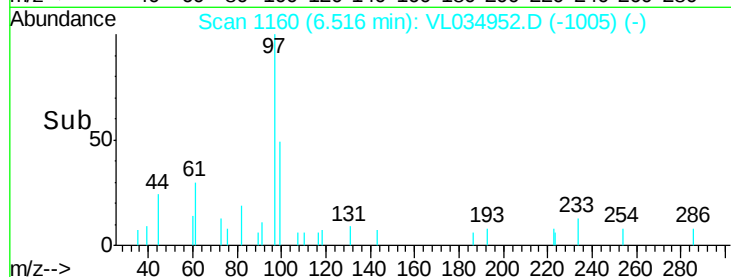
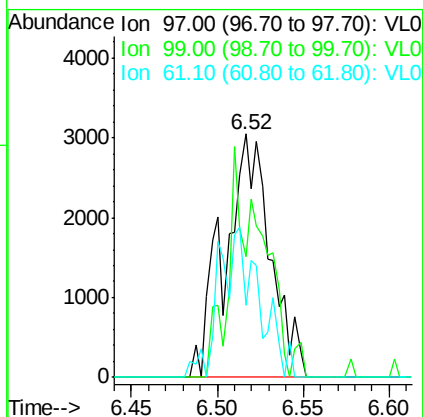
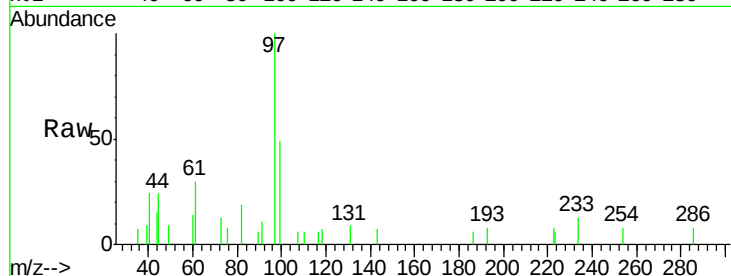
ClientSampleId :

LOQ-AIR-01-QT2-2020

Tot Ion:	97	Resp:	5600
Ion	Ratio	Lower	Upper
97	100		
99	71.4	52.1	78.1
61	54.2	41.8	62.8

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

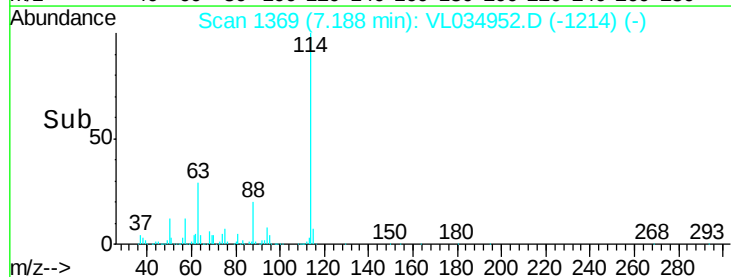
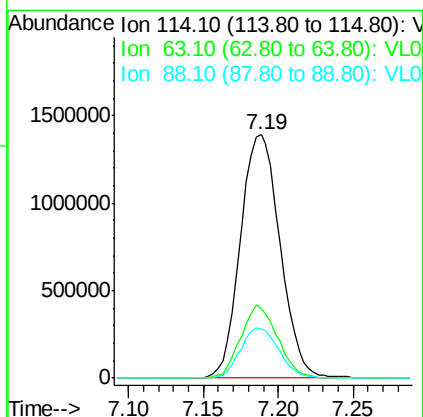
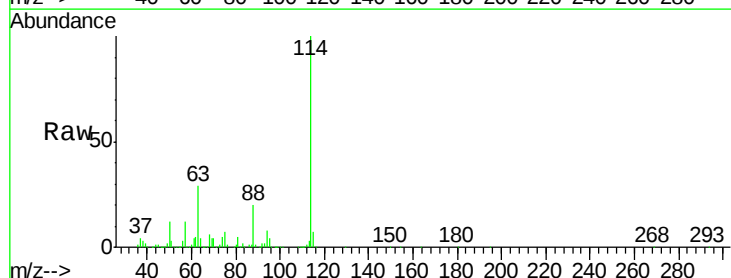
RT: 7.19 min Scan# 1369

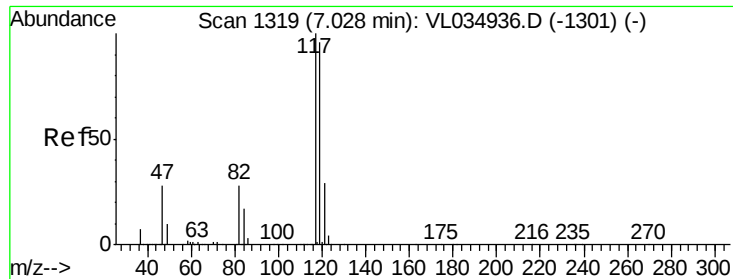
Delta R.T. -0.00 min

Lab File: VL034952.D

Acq: 7 May 2020 2:41

Tgt Ion:	114	Resp:	2570258
Ion	Ratio	Lower	Upper
114	100		
63	28.0	22.2	33.4
88	20.0	15.5	23.3





#35

Carbon Tetrachloride

Concen: 0.031 ppbv m

RT: 7.03 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VL034952.D

Acq: 7 May 2020 2:41

Instrument :

MSVOA_L

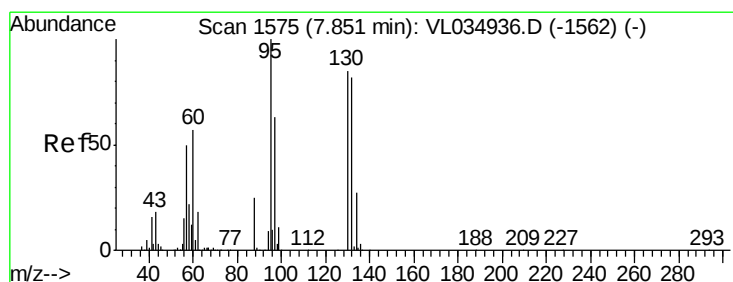
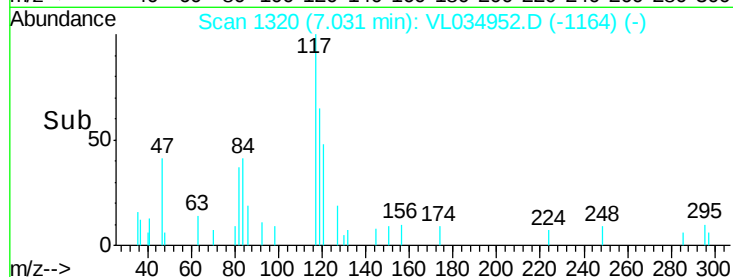
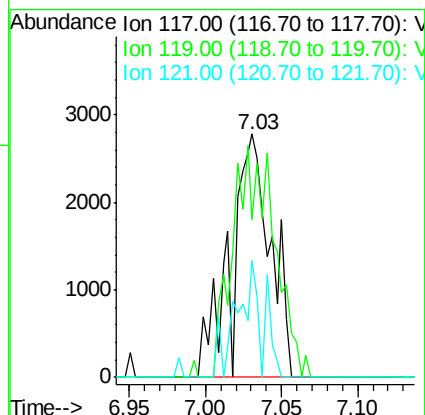
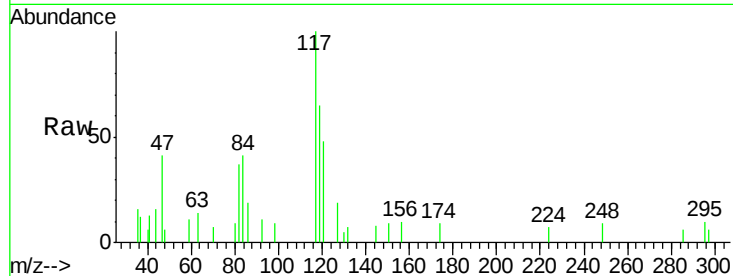
ClientSampleId :

LOQ-AIR-01-QT2-2020

Tot Ion:	117	Resp:	5006
Ion Ratio	Lower	Upper	
117	100		
119	64.7	77.0	115.6#
121	48.2	23.0	34.6#

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#38

Trichloroethene

Concen: 0.035 ppbv m

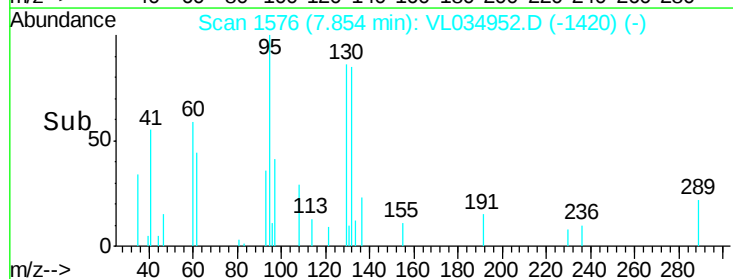
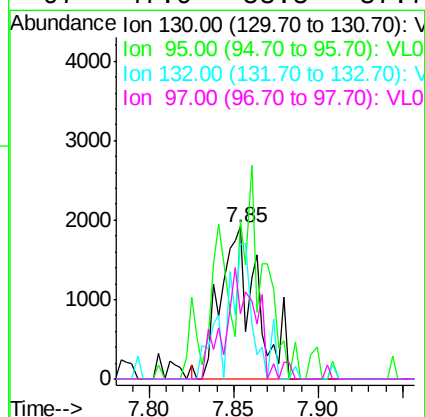
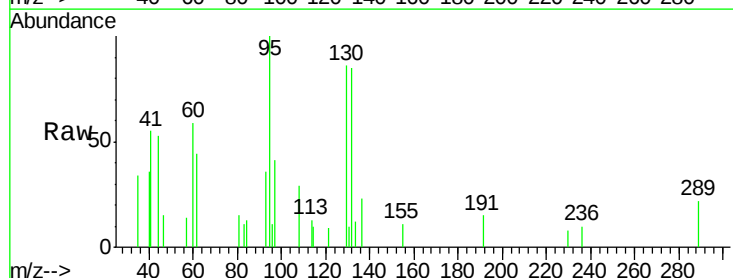
RT: 7.85 min Scan# 1576

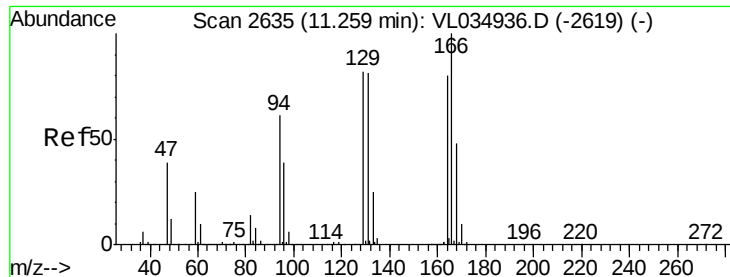
Delta R.T. 0.00 min

Lab File: VL034952.D

Acq: 7 May 2020 2:41

Tgt Ion:	130	Resp:	2840
Ion Ratio	Lower	Upper	
130	100		
95	116.4	93.4	140.0
132	98.8	76.4	114.6
97	47.9	58.5	87.7#





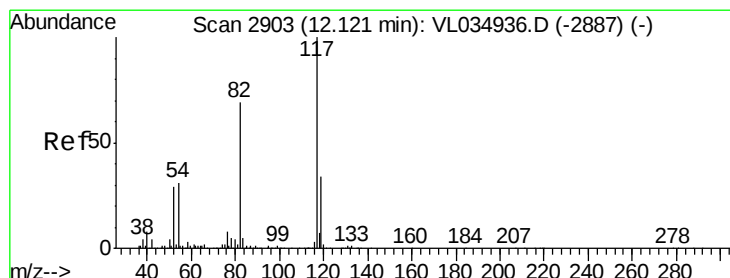
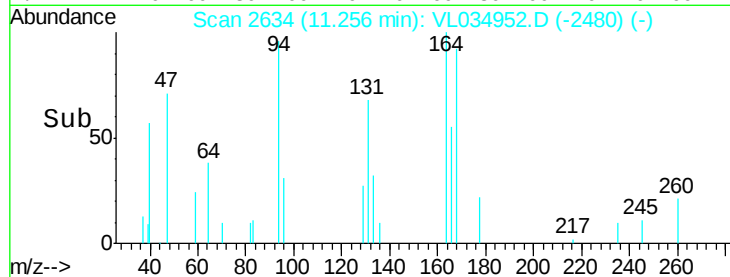
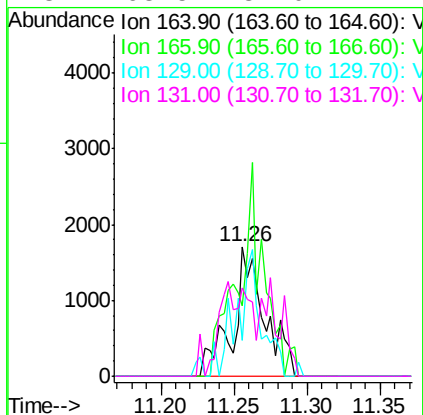
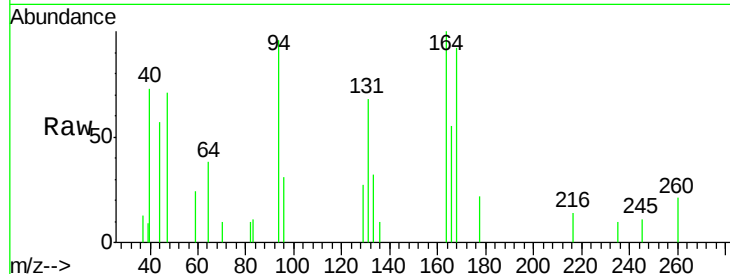
#52
Tetrachloroethene
Concen: 0.034 ppbv m
RT: 11.26 min Scan# 2634
Delta R.T. -0.00 min
Lab File: VL034952.D
Acq: 7 May 2020 2:41

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
164	100		
166	54.6	100.7	151.1#
129	27.4	83.0	124.4#
131	68.5	81.0	121.4#

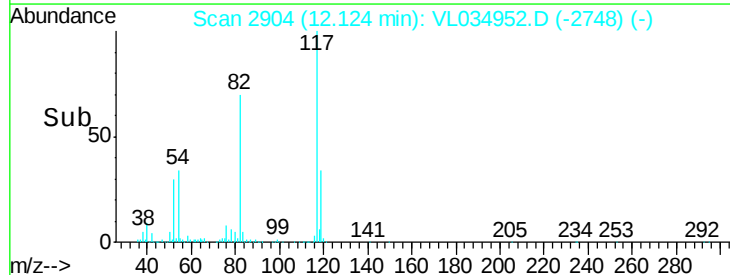
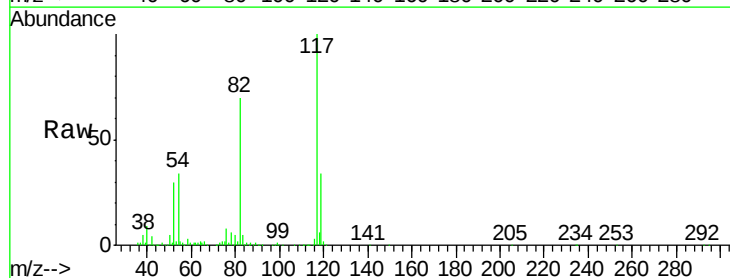
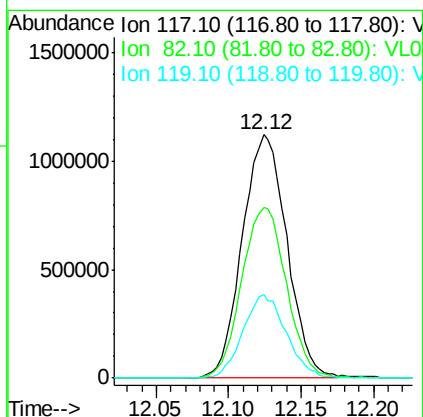
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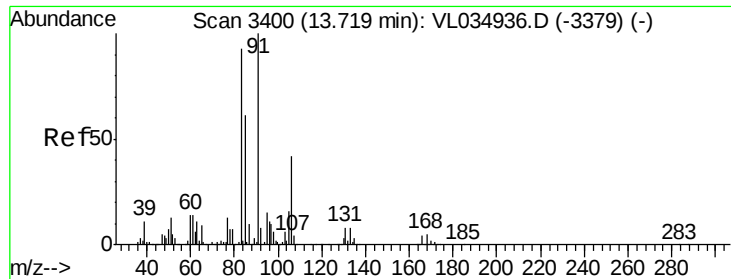
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VL034952.D
Acq: 7 May 2020 2:41

Tgt Ion	Ratio	Lower	Upper
117	100		
82	70.5	53.1	79.7
119	33.6	26.7	40.1





#63

1,1,2,2-Tetrachloroethane

Concen: 0.040 ppbv m

RT: 13.73 min Scan# 3402

Delta R.T. 0.01 min

Lab File: VL034952.D

Acq: 7 May 2020 2:41

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT2-2020

Tot Ion: 83 Resp: 8100

Ion Ratio Lower Upper

83 100

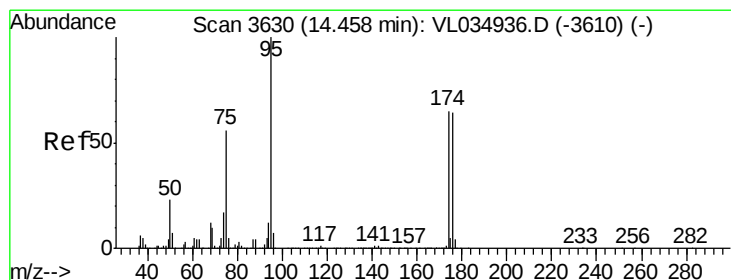
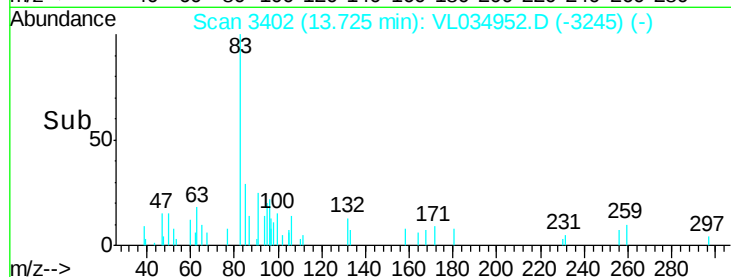
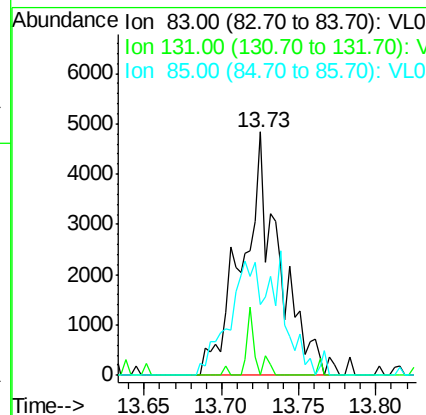
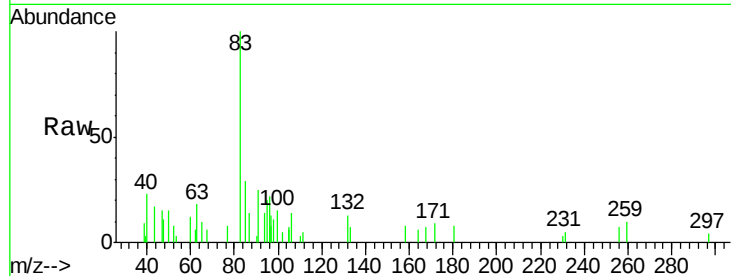
131 6.7 4.7 14.0

85 0.0 32.5 97.4#

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.313 ppbv

RT: 14.46 min Scan# 3630

Delta R.T. -0.00 min

Lab File: VL034952.D

Acq: 7 May 2020 2:41

Tgt Ion: 95 Resp: 2005642

Ion Ratio Lower Upper

95 100

174 64.5 51.5 77.3

175 4.8 3.8 5.8

