

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030920\
 Data File : VL034857.D
 Acq On : 10 Mar 2020 3:06
 Operator : SY/AP
 Sample : L1161-14 0.03 LOQ
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT1-2020

Manual Integrations
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Quant Time: Mar 11 05:14:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 0
 QLast Update : Mon Mar 09 16:42:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	874738	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1971055	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	1913874	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1538065	10.30	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.21	62	1861m	0.035	ppbv	
32) 1,1,1-Trichloroethane	6.50	97	4410m	0.034	ppbv	
38) Trichloroethene	7.83	130	2775m	0.042	ppbv	
52) Tetrachloroethene	11.25	164	2321m	0.033	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.70	83	4623m	0.032	ppbv	

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

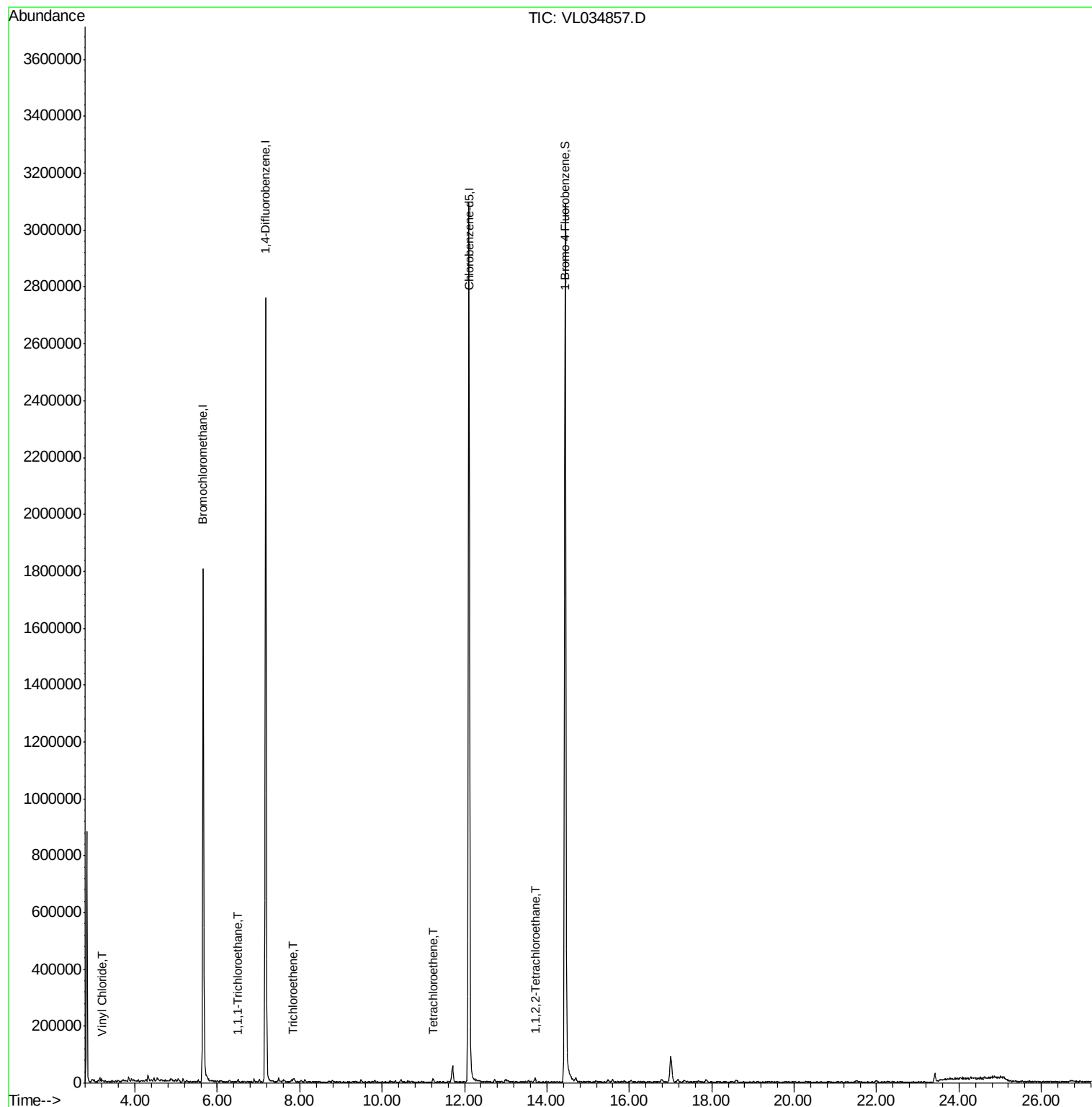
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL030920\
Data File : VL034857.D
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Misc : 400ml/MSVOA L
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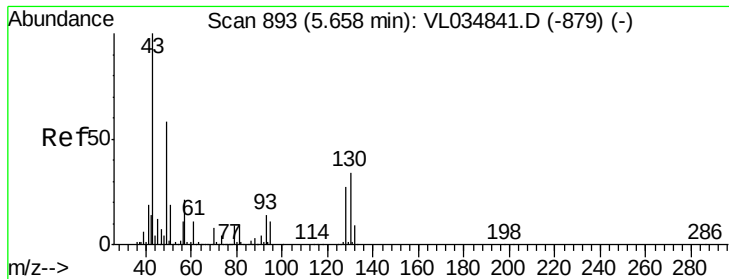
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT1-2020

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Quant Time: Mar 11 05:14:08 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.00 min

Lab File: VL034857.D

Acq: 10 Mar 2020 3:06

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT1-2020

Tot Ion: 49 Resp: 874738

Ion Ratio Lower Upper

49 100

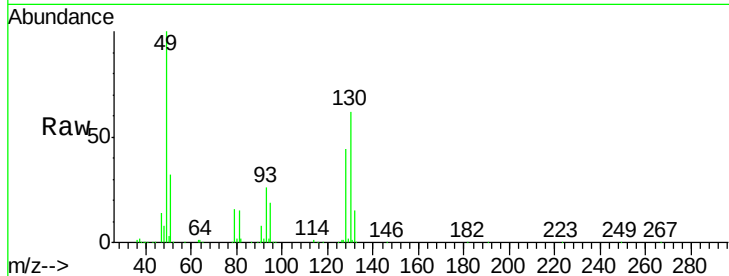
128 47.5 23.4 70.3

130 59.9 30.0 90.0

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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

600000

500000

400000

300000

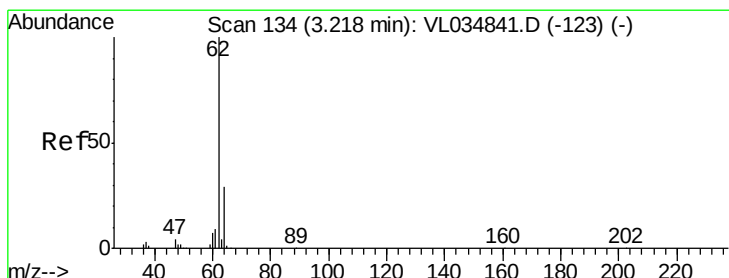
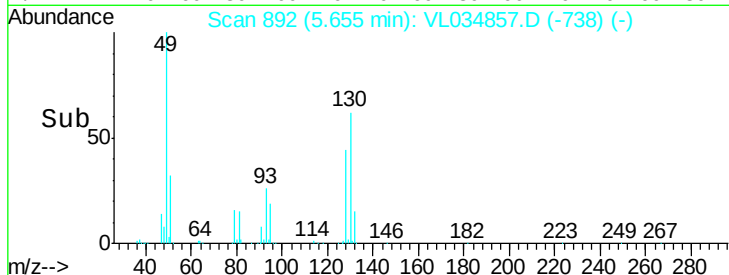
200000

100000

0

5.60 5.65 5.70 5.75

Time-->



#5

Vinyl Chloride

Concen: 0.035 ppbv m

RT: 3.21 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL034857.D

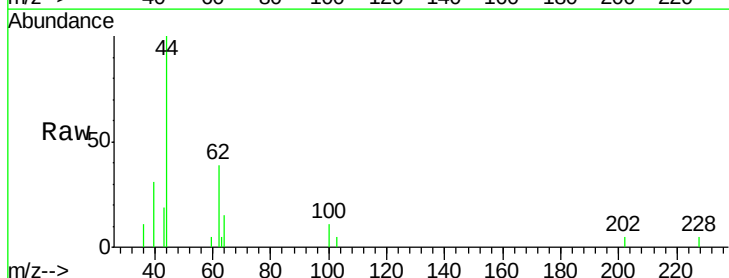
Acq: 10 Mar 2020 3:06

Tgt Ion: 62 Resp: 1861

Ion Ratio Lower Upper

62 100

64 39.4 23.0 34.4#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

1500

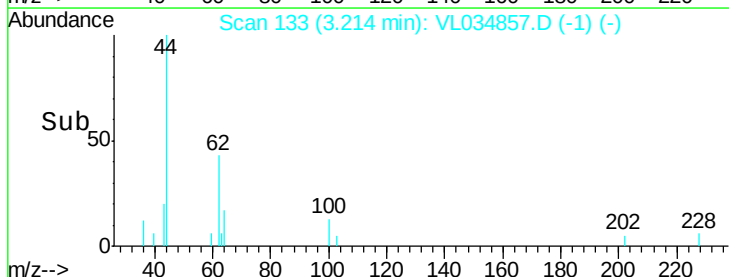
1000

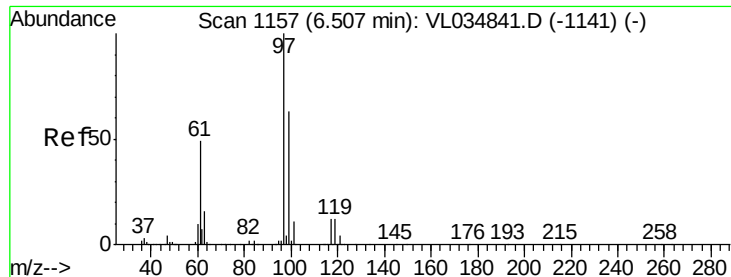
500

0

3.18 3.20 3.22 3.24

Time-->





#32

1,1,1-Trichloroethane

Concen: 0.034 ppbv m

RT: 6.50 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VL034857.D

Acq: 10 Mar 2020 3:06

Instrument :

MSVOA_L

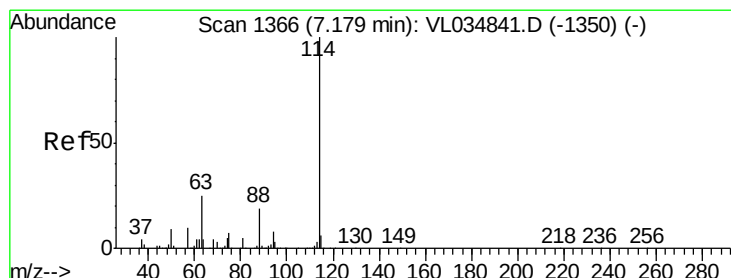
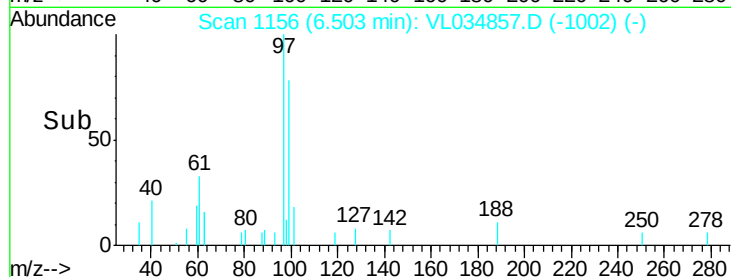
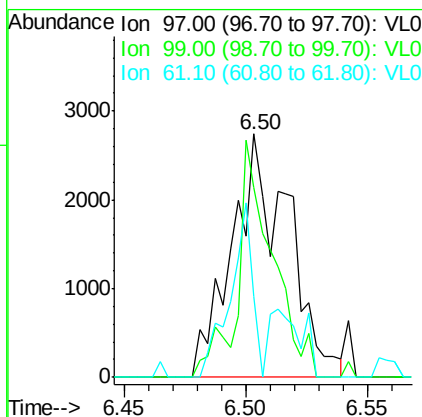
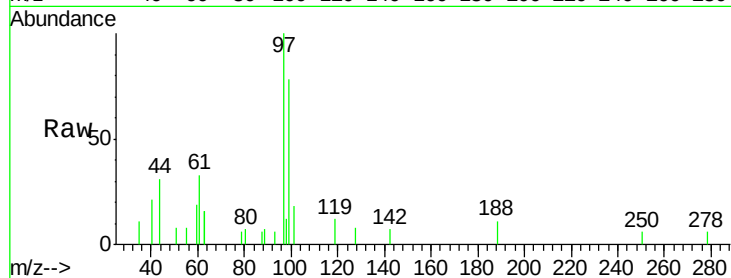
ClientSampleId :

LOQ-AIR-01-QT1-2020

Tot Ion:	97	Resp:	4410
Ion	Ratio	Lower	Upper
97	100		
99	61.0	51.1	76.7
61	45.9	39.7	59.5

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

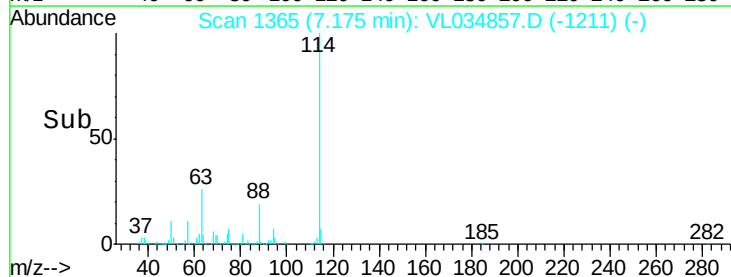
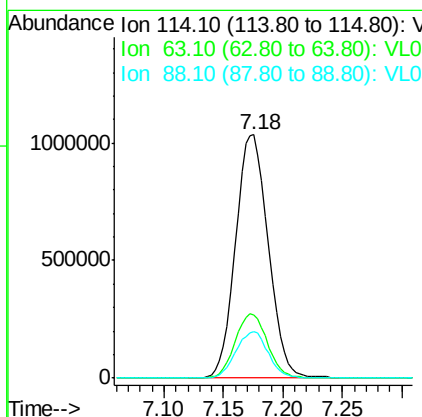
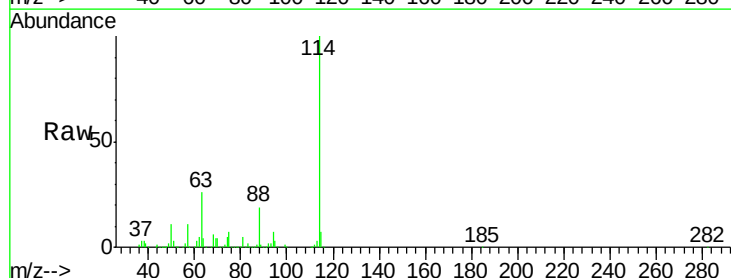
RT: 7.18 min Scan# 1365

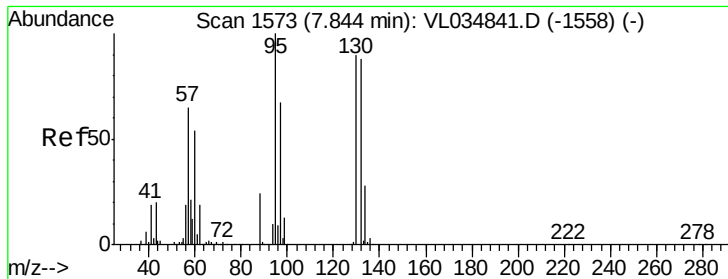
Delta R.T. -0.00 min

Lab File: VL034857.D

Acq: 10 Mar 2020 3:06

Tgt Ion:	114	Resp:	1971055
Ion	Ratio	Lower	Upper
114	100		
63	26.2	20.6	31.0
88	18.9	15.0	22.6





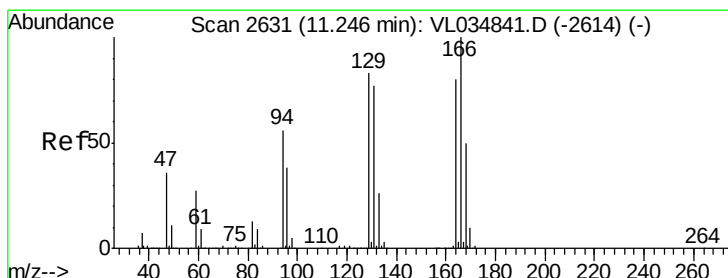
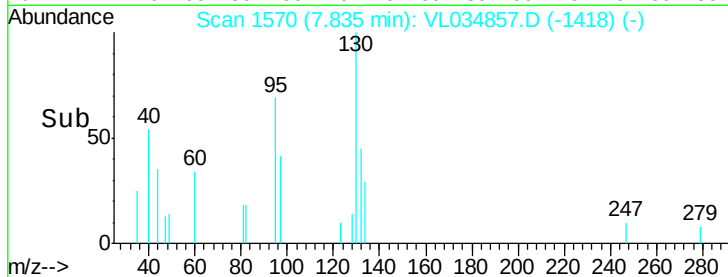
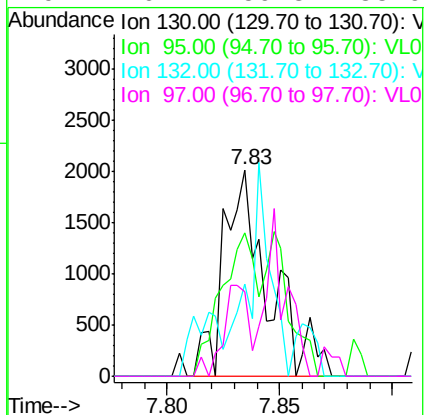
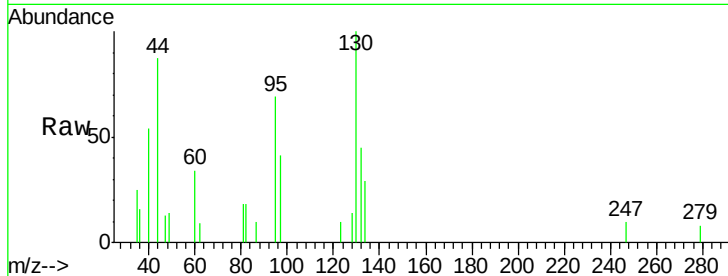
#38
 Trichloroethene
 Concen: 0.042 ppbv m
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VL034857.D
 Acq: 10 Mar 2020 3:06

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
130	100		
95	69.4	88.5	132.7#
132	44.7	78.0	117.0#
97	40.7	59.3	88.9#

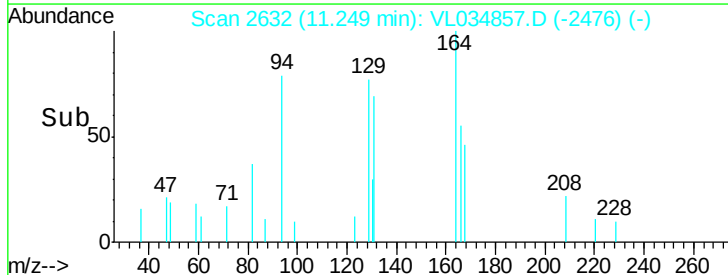
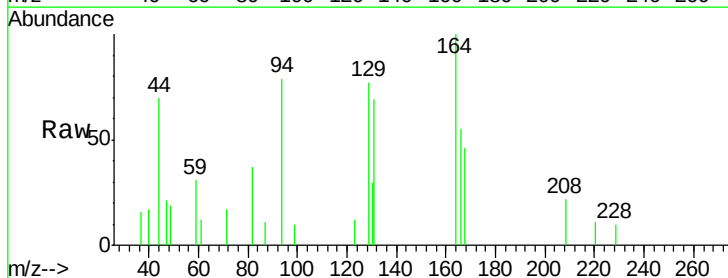
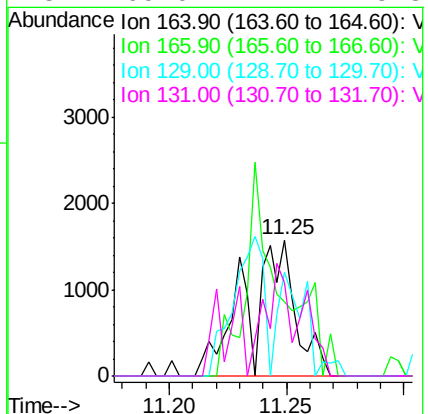
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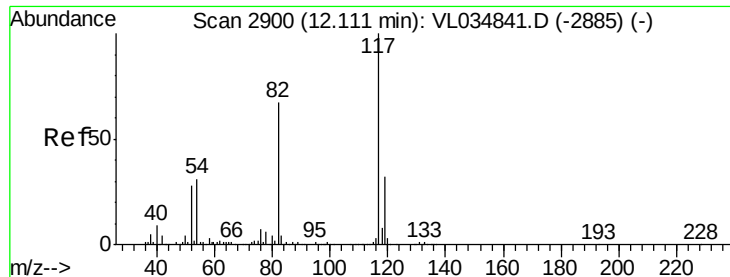
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#52
 Tetrachloroethene
 Concen: 0.033 ppbv m
 RT: 11.25 min Scan# 2632
 Delta R.T. 0.00 min
 Lab File: VL034857.D
 Acq: 10 Mar 2020 3:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	54.7	100.0	150.0#
129	76.6	83.1	124.7#
131	69.0	77.2	115.8#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VL034857.D

Acq: 10 Mar 2020 3:06

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT1-2020

Tot Ion:117 Resp: 1913874

Ion Ratio Lower Upper

117 100

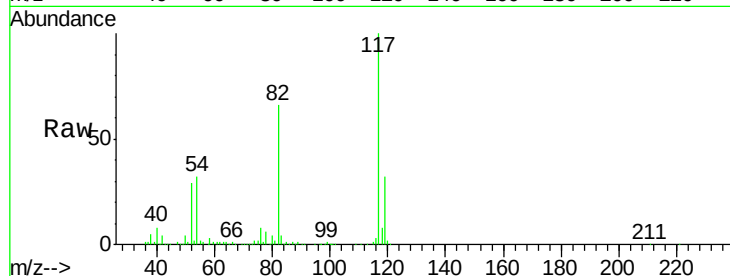
82 67.8 51.1 76.7

119 32.9 27.3 40.9

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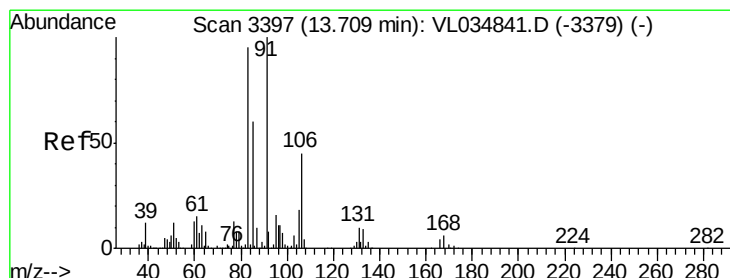
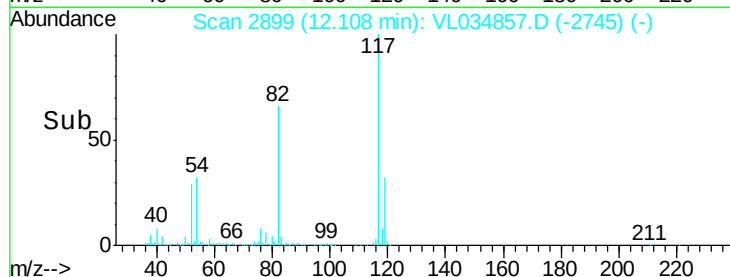
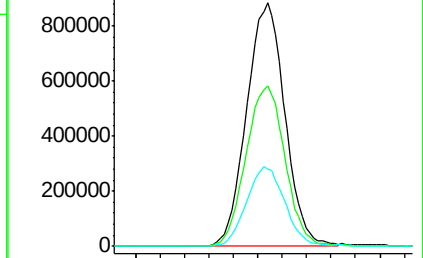
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Abundance Ion 117.10 (116.80 to 117.80): V

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: 0.032 ppbv m

RT: 13.70 min Scan# 3395

Delta R.T. -0.01 min

Lab File: VL034857.D

Acq: 10 Mar 2020 3:06

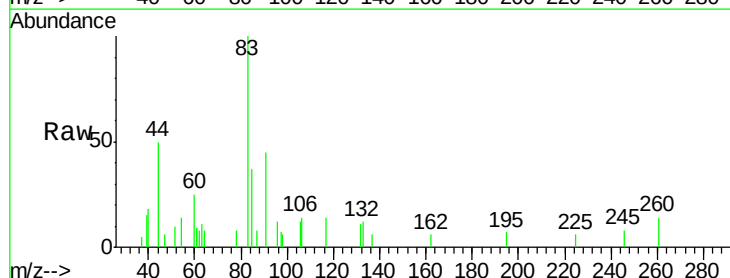
Tgt Ion: 83 Resp: 4623

Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

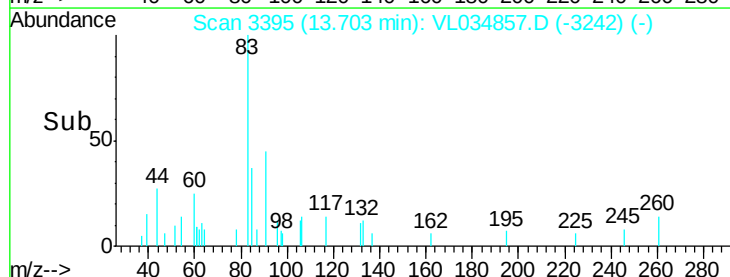
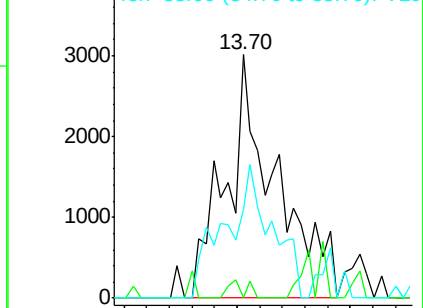
85 57.8 32.4 97.2

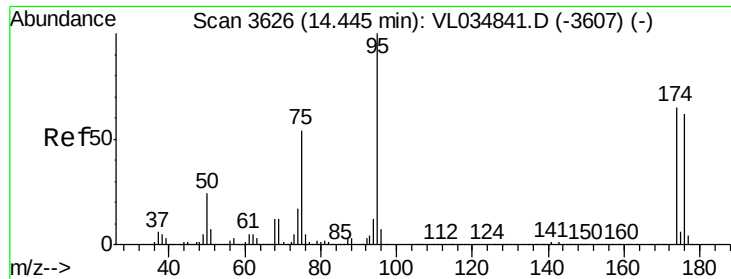


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0





#68

1-Bromo-4-Fluorobenzene

Concen: 10.305 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. -0.00 min

Lab File: VL034857.D

Acq: 10 Mar 2020 3:06

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT1-2020

Tot Ion: 95 Resp: 1538065

Ion Ratio Lower Upper

95 100

174 68.3 55.2 82.8

175 5.0 4.3 6.5

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