

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091420\
 Data File : VL035614.D
 Acq On : 15 Sep 2020 00:48
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Manual Integrations
 APPROVED

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 9/17/2020 5:40:53 PM

Quant Time: Sep 15 07:57:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1017121	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	4474163	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	4453211	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3271770	10.35	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) Methylene Chloride	4.33	84	15173	0.182	ppbv	92
31) cis-1,2-Dichloroethene	5.53	61	14064m	0.122	ppbv	
38) Trichloroethene	7.82	130	53768	0.320	ppbv	96
52) Tetrachloroethene	11.21	164	290576	1.717	ppbv	99

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

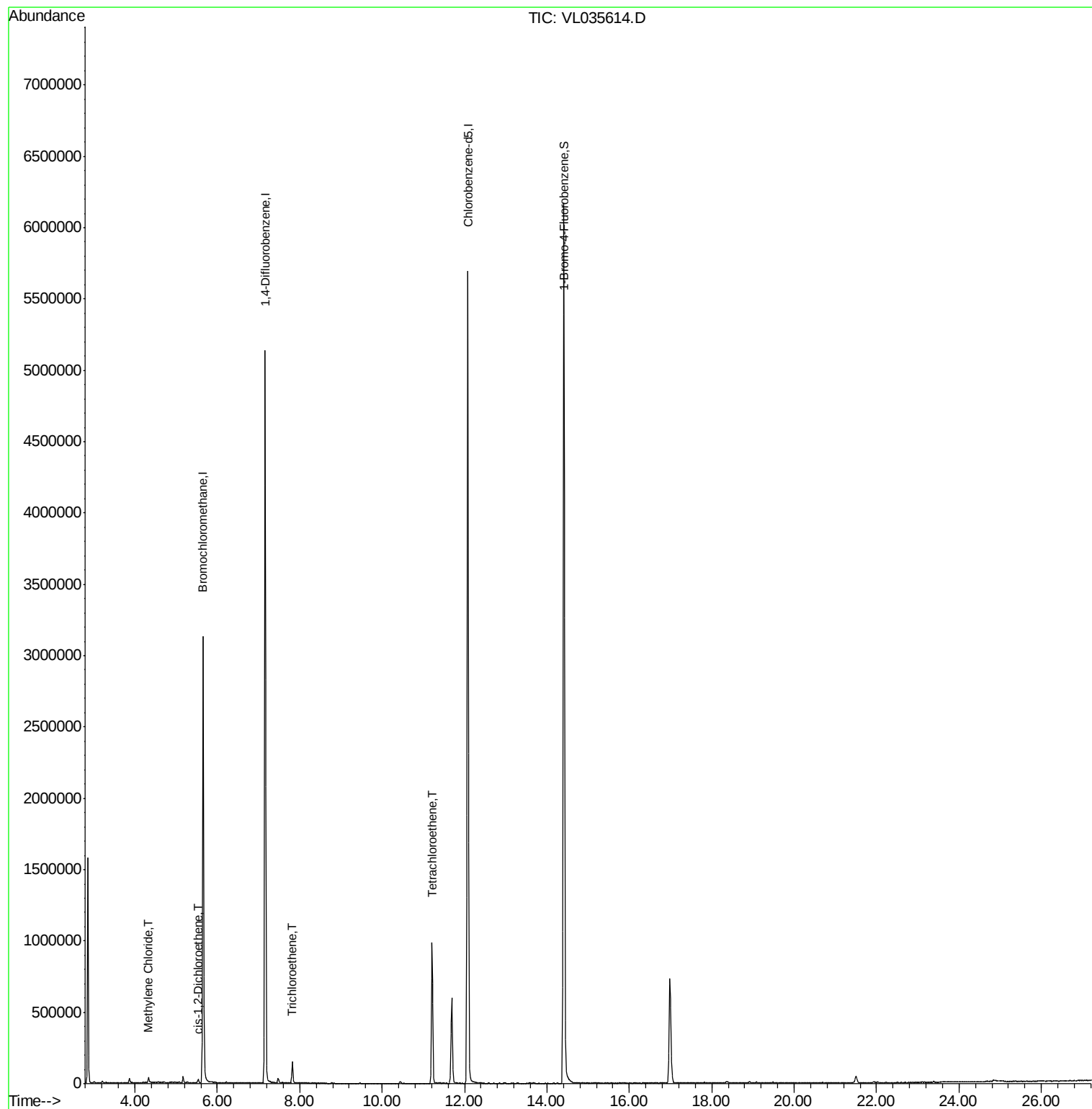
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL091420\
Data File : VL035614.D
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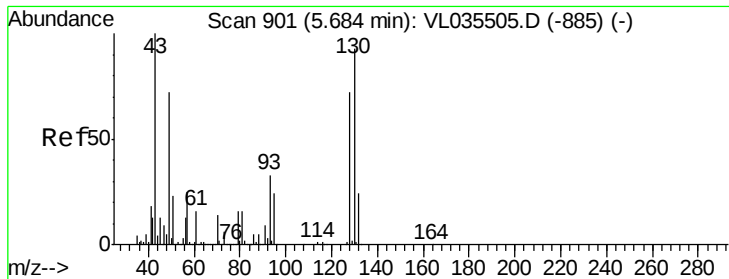
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

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Quant Time: Sep 15 07:57:10 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.01 min

Lab File: VL035614.D

Acq: 15 Sep 2020 00:48

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tot Ion: 49 Resp: 1017121

Ion Ratio Lower Upper

49 100

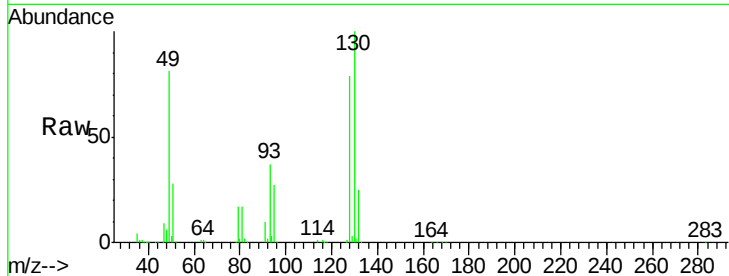
128 97.1 50.0 150.1

130 123.5 64.4 193.2

Manual Integrations
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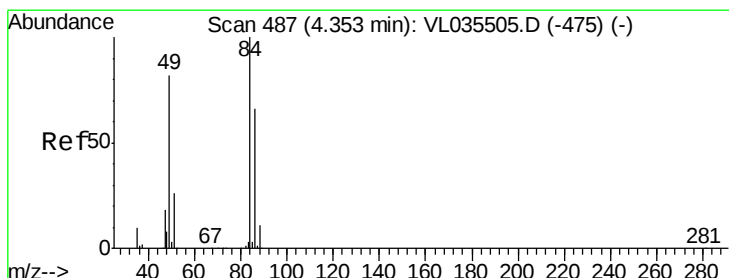
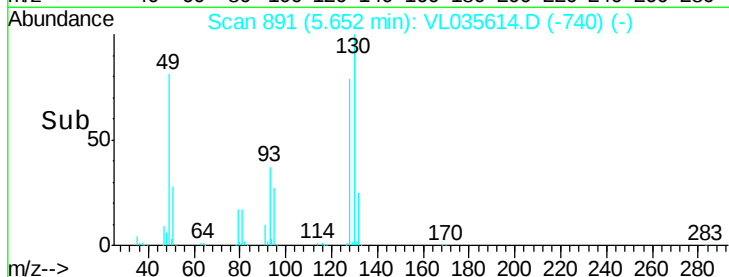
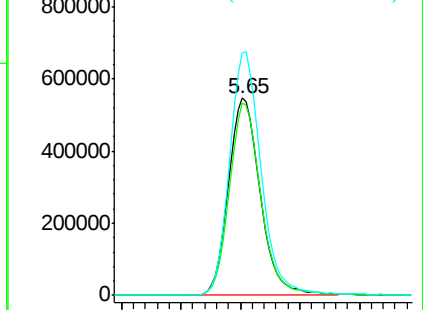
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#20

Methylene Chloride

Concen: 0.182 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.00 min

Lab File: VL035614.D

Acq: 15 Sep 2020 00:48

Tgt Ion: 84 Resp: 15173

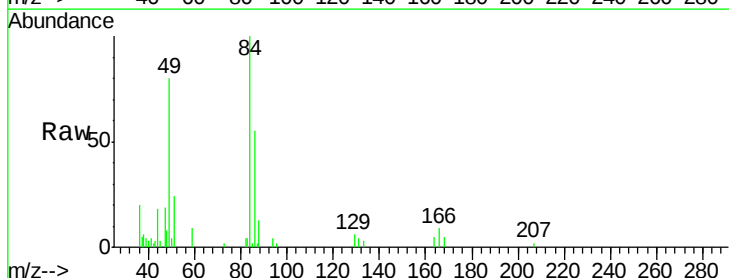
Ion Ratio Lower Upper

84 100

49 78.6 65.4 98.0

51 23.8 21.5 32.3

86 54.7 52.9 79.3

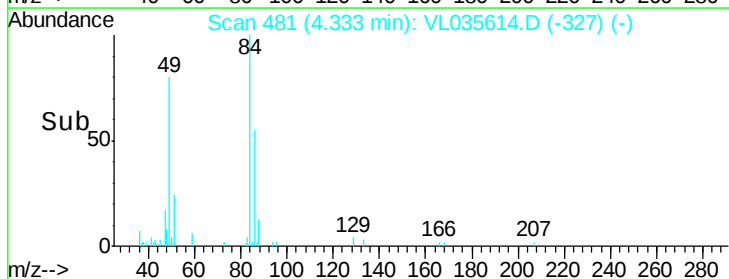
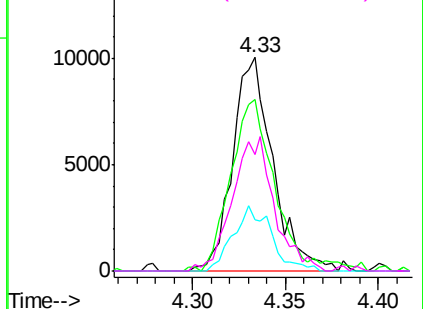


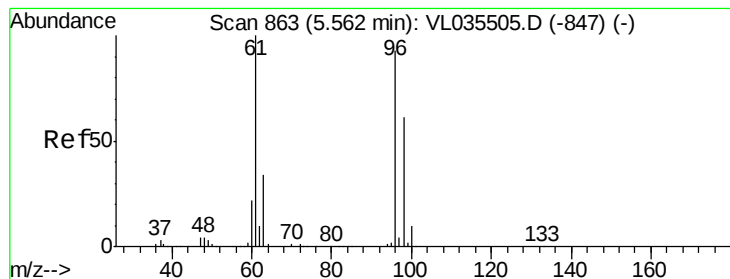
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#31

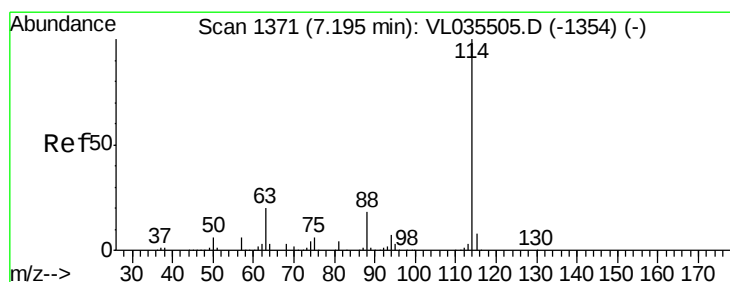
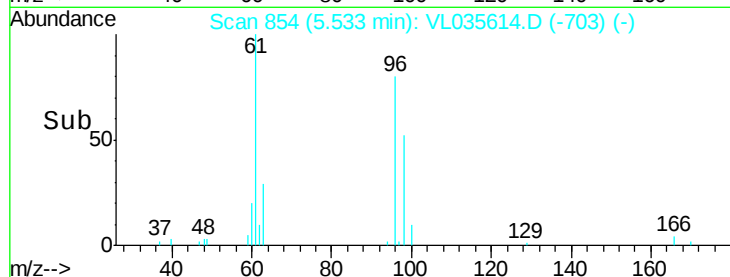
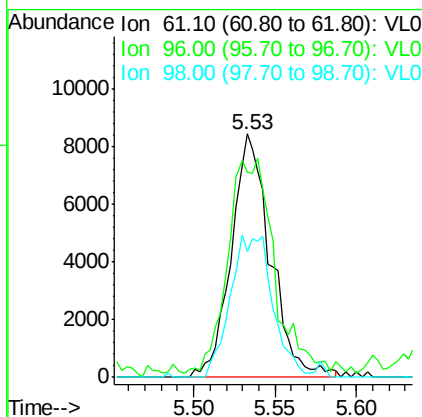
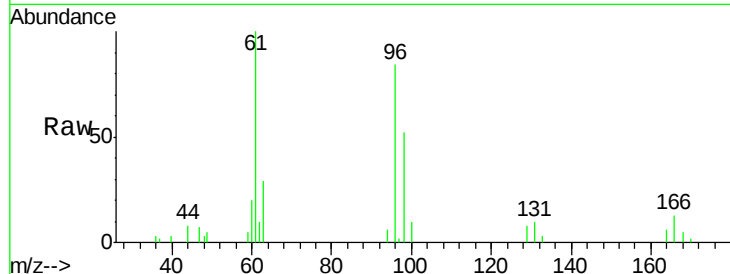
cis-1,2-Dichloroethene
 Concen: 0.122 ppbv m
 RT: 5.53 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VL035614.D
 Acq: 15 Sep 2020 00:48

Instrument :
 MSVOA_L
 ClientSampled :
 VIBLK

Tot Ion	Ratio	Lower	Upper
61	100		
96	84.5	74.4	111.6
98	51.7	49.2	73.8

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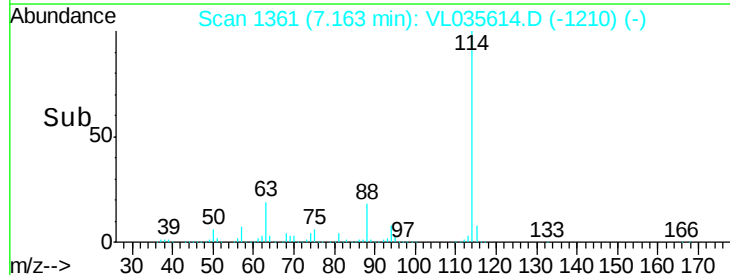
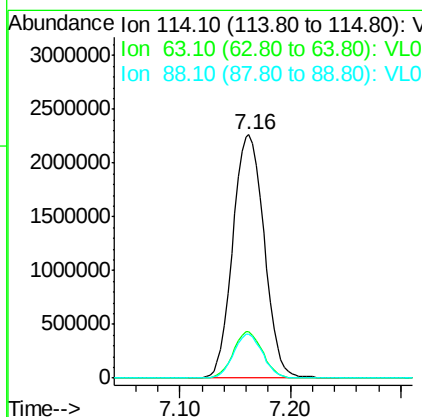
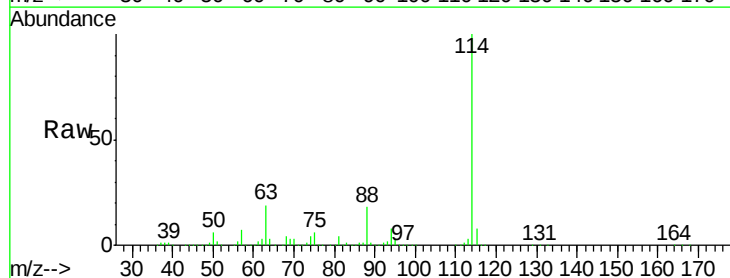
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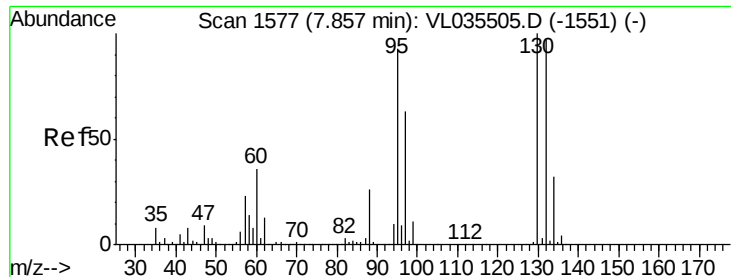


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.01 min
 Lab File: VL035614.D
 Acq: 15 Sep 2020 00:48

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.1	14.7	22.1
88	16.9	13.4	20.2





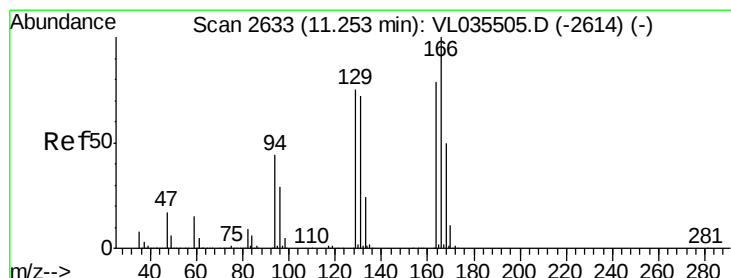
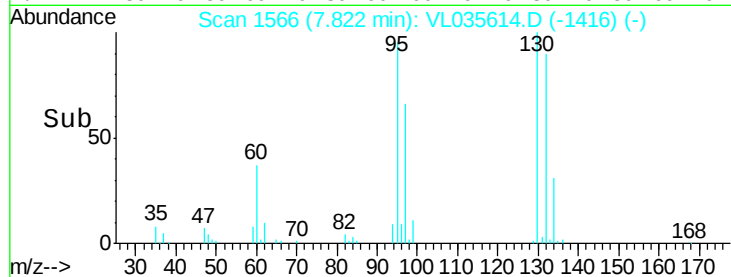
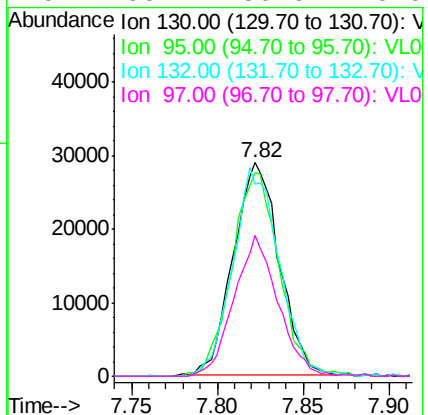
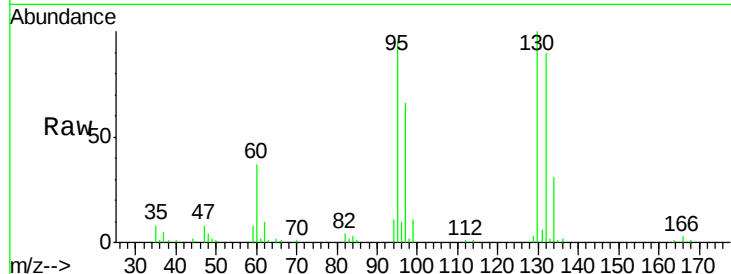
#38
 Trichloroethene
 Concen: 0.320 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.02 min
 Lab File: VL035614.D
 Acq: 15 Sep 2020 00:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Tot Ion:	130	Resp:	53768
Ion Ratio	Lower	Upper	
130	100		
95	94.0	74.6	112.0
132	90.5	77.6	116.4
97	66.2	50.6	76.0

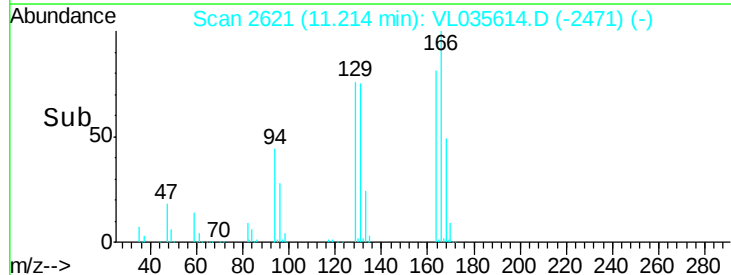
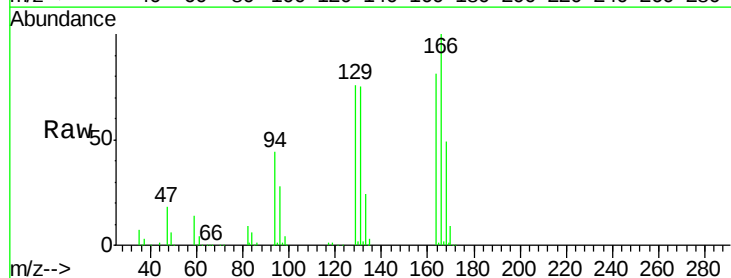
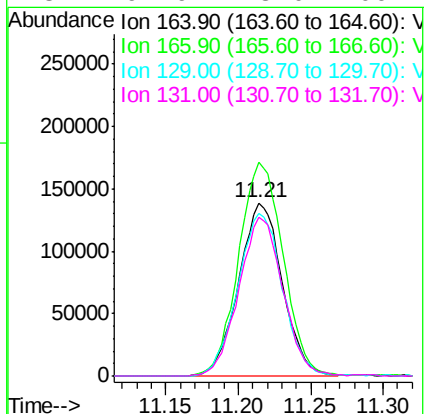
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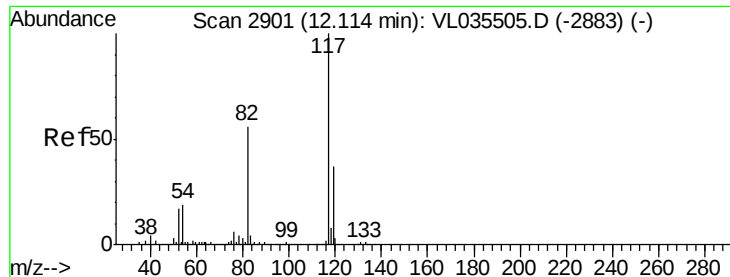
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#52
 Tetrachloroethene
 Concen: 1.717 ppbv
 RT: 11.21 min Scan# 2621
 Delta R.T. -0.02 min
 Lab File: VL035614.D
 Acq: 15 Sep 2020 00:48

Tgt Ion:	164	Resp:	290576
Ion Ratio	Lower	Upper	
164	100		
166	123.2	100.9	151.3
129	93.3	75.3	112.9
131	91.9	73.0	109.4





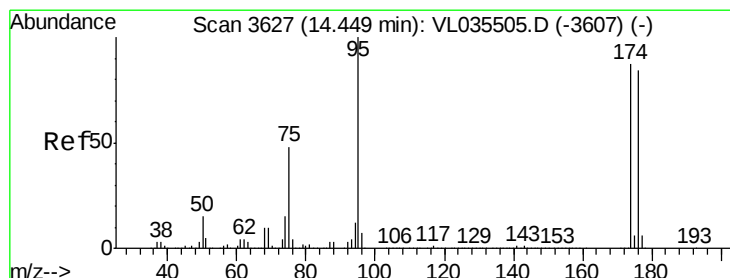
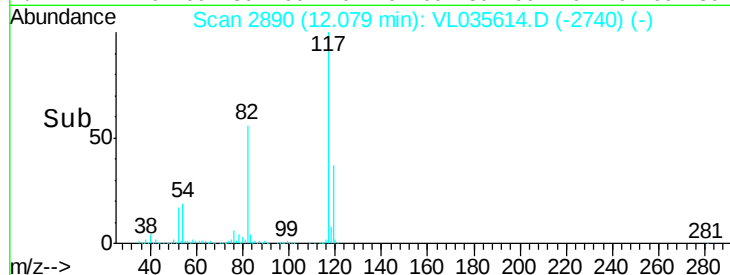
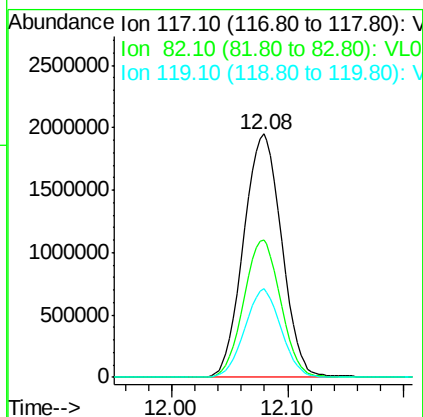
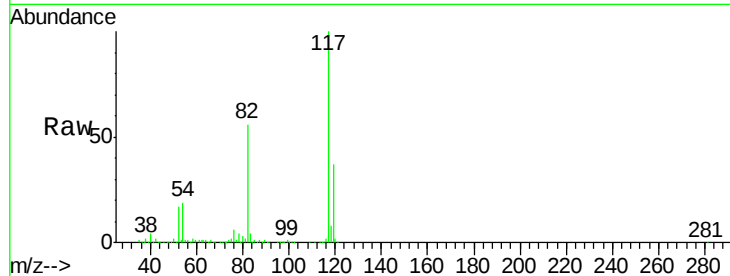
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. -0.02 min
Lab File: VL035614.D
Acq: 15 Sep 2020 00:48

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tot Ion:117 Resp: 4453211
Ion Ratio Lower Upper
117 100
82 55.2 41.6 62.4
119 34.9 29.3 43.9

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.346 ppbv
RT: 14.41 min Scan# 3615
Delta R.T. -0.02 min
Lab File: VL035614.D
Acq: 15 Sep 2020 00:48

Tgt Ion: 95 Resp: 3271770
Ion Ratio Lower Upper
95 100
174 80.0 69.6 104.4
175 5.7 5.1 7.7

