

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081219\
 Data File : VL034111.D
 Acq On : 12 Aug 2019 21:34
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Manual Integrations
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 8/16/2019 8:54:32 AM

Quant Time: Aug 13 05:54:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 0
 QLast Update : Mon Aug 05 17:09:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.71	49	1188369	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.23	114	2175457	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.17	117	2250521	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.51	95	1958125	10.72	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.26	62	3512m	0.045	ppbv	
13) Ethanol	3.64	45	8344m	0.365	ppbv	
15) Acetone	3.88	43	45484	0.268	ppbv	93
20) Methylene Chloride	4.37	84	6488m	0.127	ppbv	
32) 1,1,1-Trichloroethane	6.57	97	7724m	0.041	ppbv	
35) Carbon Tetrachloride	7.07	117	6825m	0.041	ppbv	
38) Trichloroethene	7.90	130	4147m	0.043	ppbv	
52) Tetrachloroethene	11.29	164	4103m	0.043	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.77	83	9710m	0.044	ppbv	

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

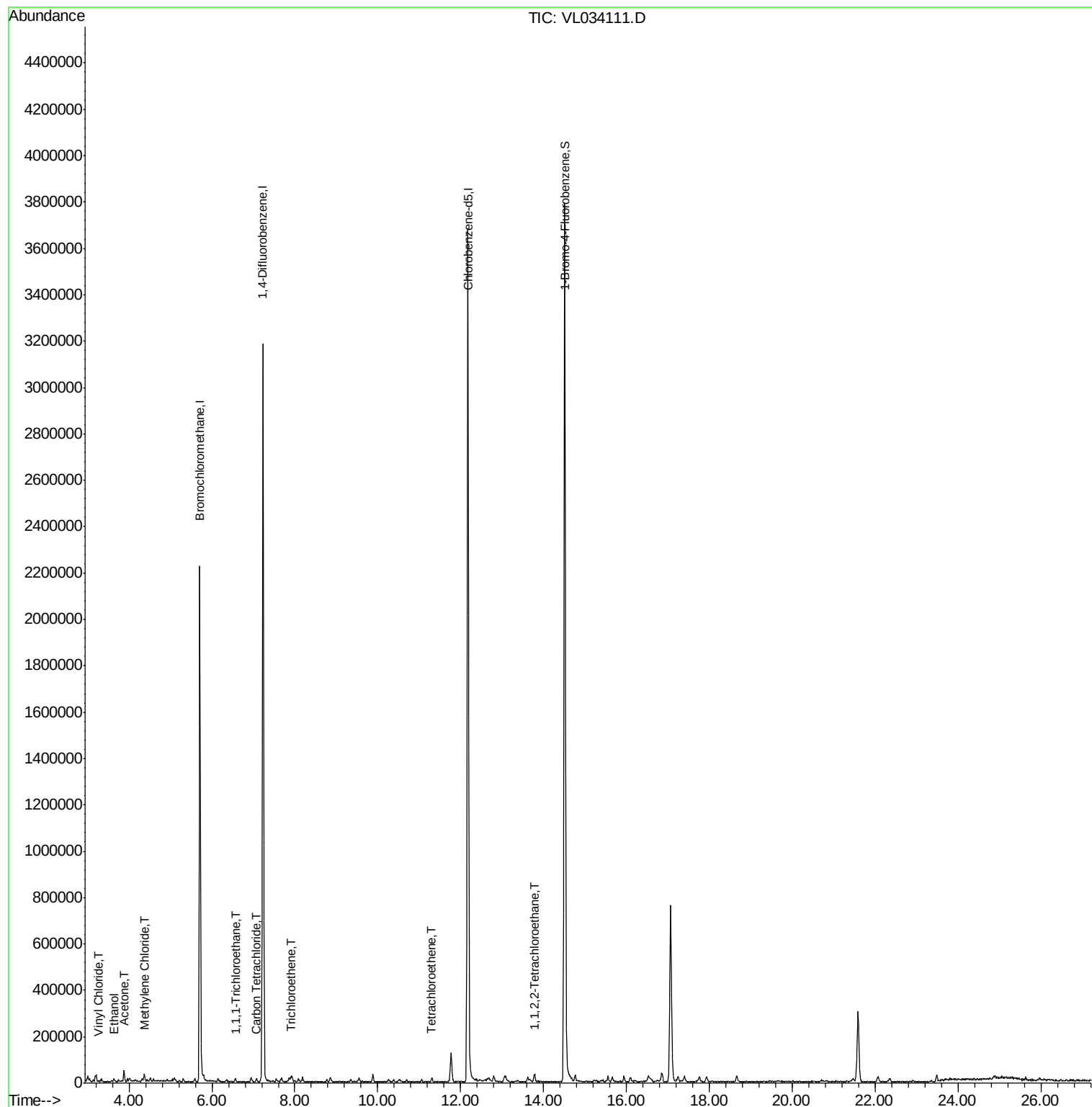
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081219\
Data File : VL034111.D
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Operator : SY/AP
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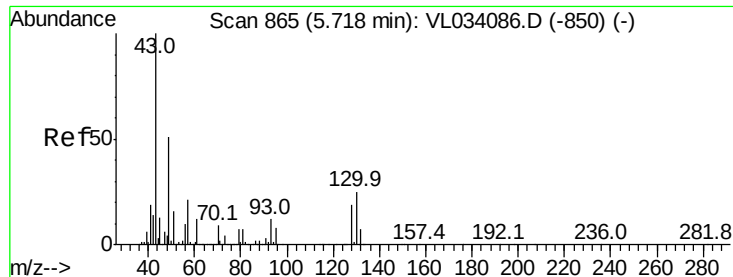
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

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Quant Time: Aug 13 05:54:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug
QLast Update : Mon Aug 05 17:09:48 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.71 min Scan# 862

Delta R.T. -0.01 min

Lab File: VL034111.D

Acq: 12 Aug 2019 21:34

Instrument :

MSVOA_L

ClientSampled :

VIBLK

Tot Ion: 49 Resp: 1188369

Ion Ratio Lower Upper

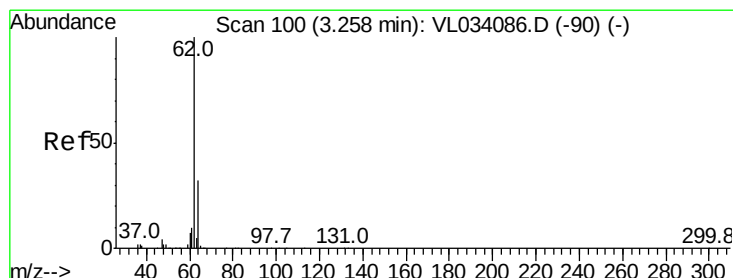
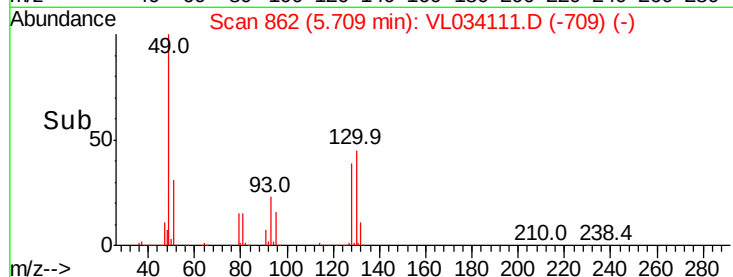
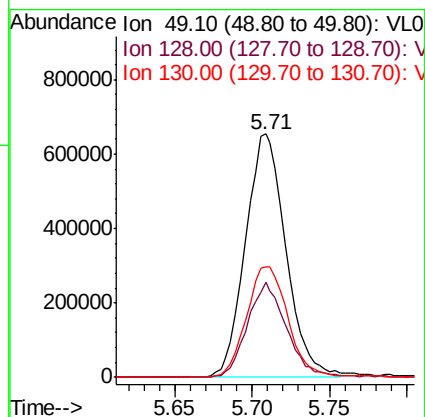
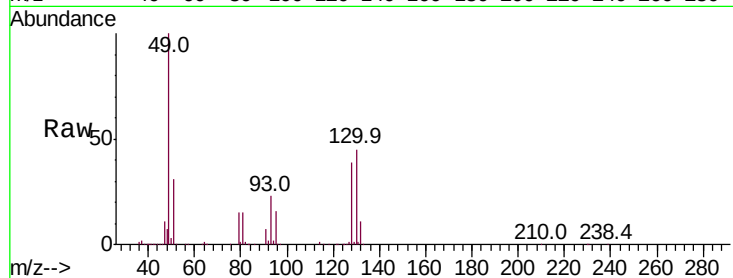
49 100

128 38.3 19.5 58.5

130 47.6 25.4 76.0

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#5

Vinyl Chloride

Concen: 0.045 ppbv m

RT: 3.26 min Scan# 101

Delta R.T. 0.00 min

Lab File: VL034111.D

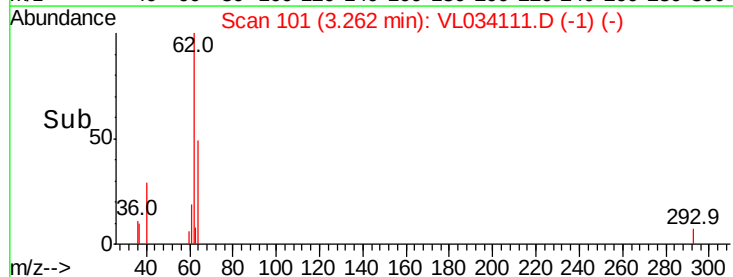
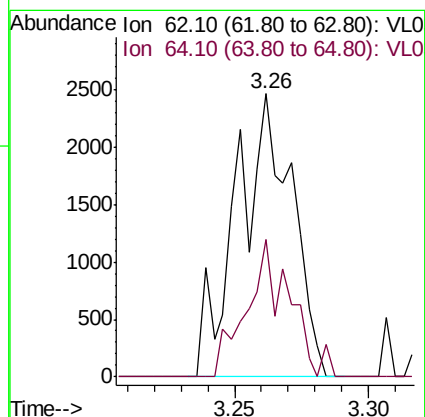
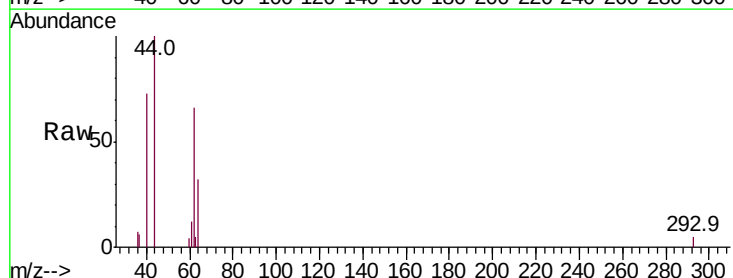
Acq: 12 Aug 2019 21:34

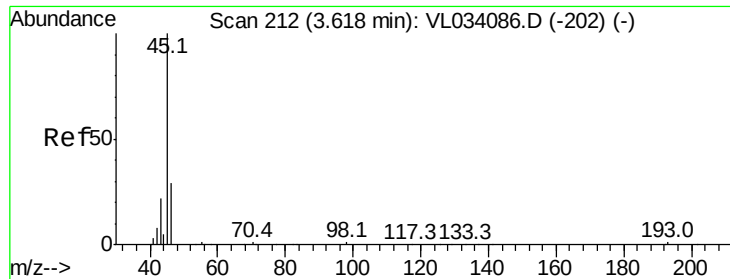
Tgt Ion: 62 Resp: 3512

Ion Ratio Lower Upper

62 100

64 48.7 25.8 38.6#





#13

Ethanol

Concen: 0.365 ppbv m

RT: 3.64 min Scan# 218

Delta R.T. 0.02 min

Lab File: VL034111.D

Acq: 12 Aug 2019 21:34

Instrument :

MSVOA_L

ClientSampled :

VIBLK

Tot Ion: 45 Resp: 8344

Ion Ratio Lower Upper

45 100

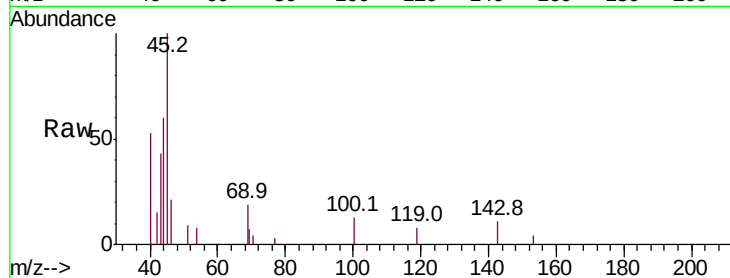
46 31.6 14.9 59.5

Manual Integrations

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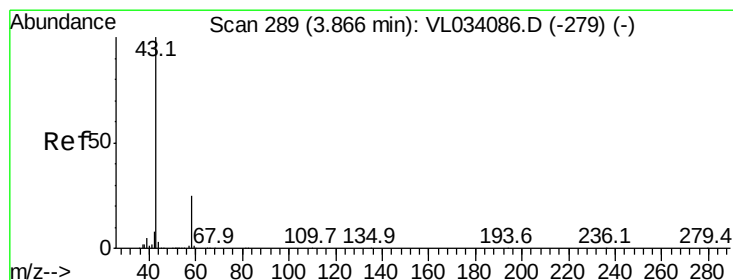
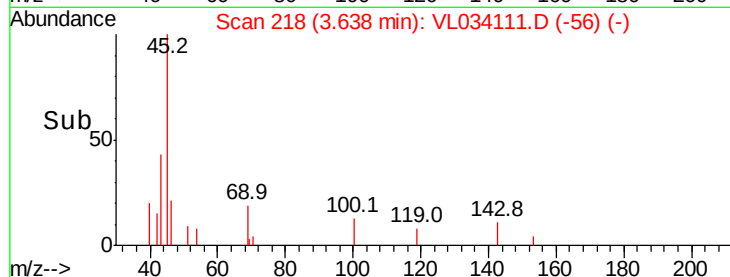
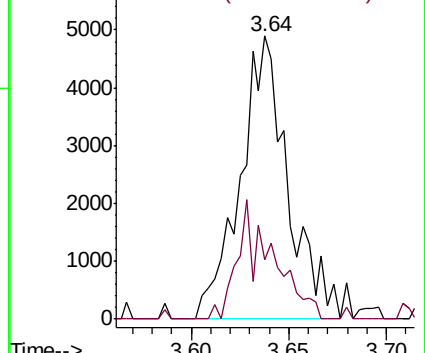
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#15

Acetone

Concen: 0.268 ppbv

RT: 3.88 min Scan# 294

Delta R.T. 0.02 min

Lab File: VL034111.D

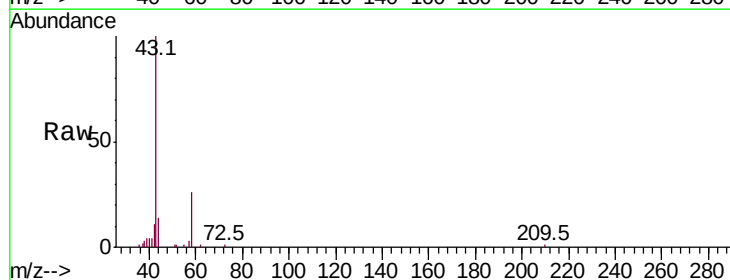
Acq: 12 Aug 2019 21:34

Tgt Ion: 43 Resp: 45484

Ion Ratio Lower Upper

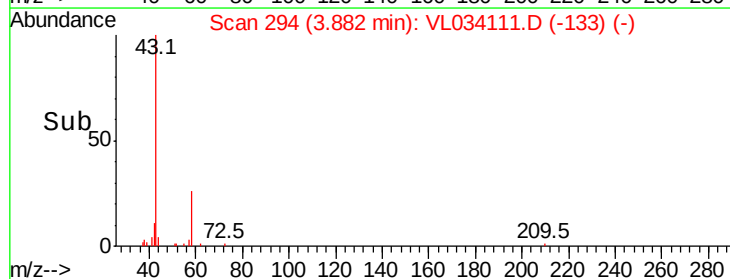
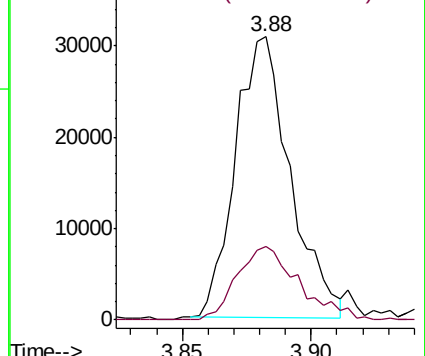
43 100

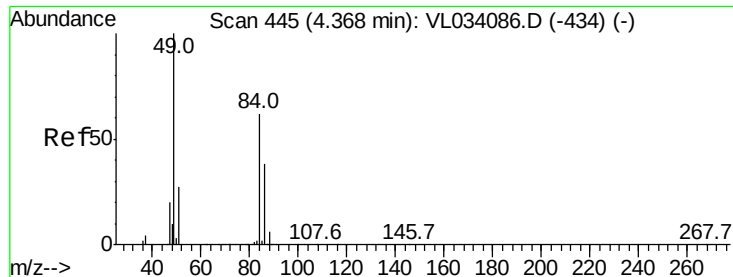
58 29.5 20.6 30.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





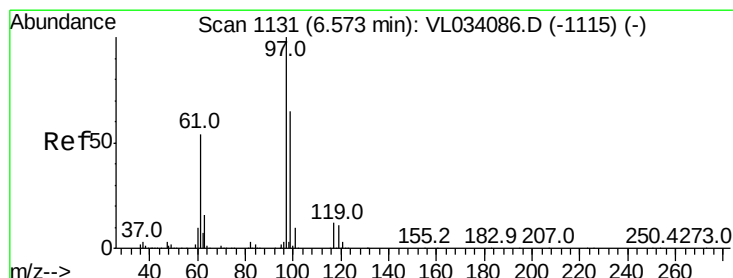
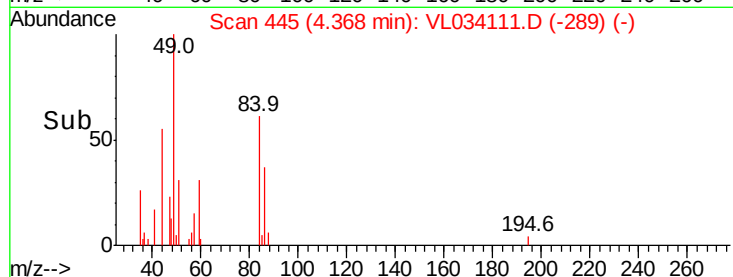
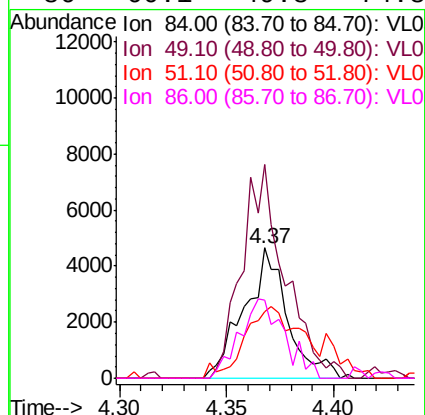
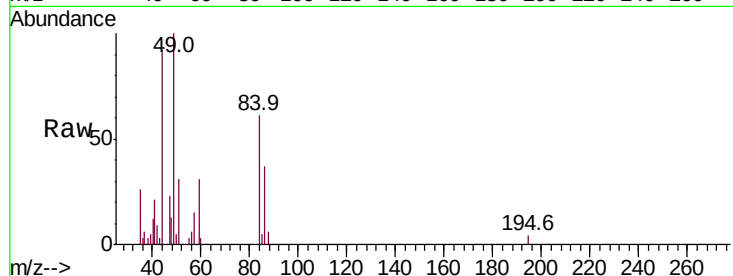
#20
Methvlene Chloride
Concen: 0.127 ppbv m
RT: 4.37 min Scan# 445
Delta R.T. 0.00 min
Lab File: VL034111.D
Acq: 12 Aug 2019 21:34

Instrument :
MSVOA_L
ClientSampled :
VIBLK

Tot Ion:	84	Resp:	6488
Ion	Ratio	Lower	Upper
84	100		
49	164.2	129.7	194.5
51	51.2	35.8	53.8
86	60.1	49.8	74.8

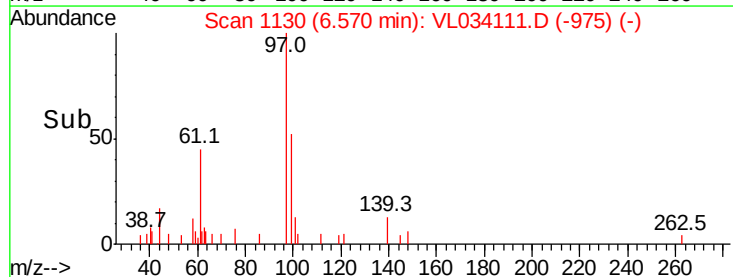
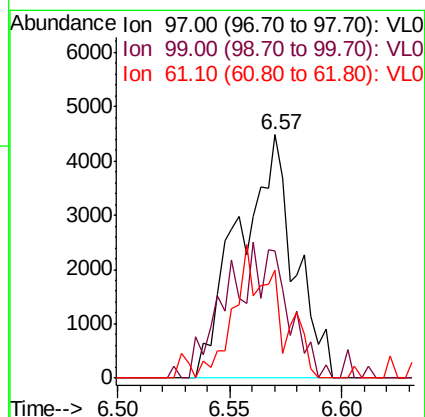
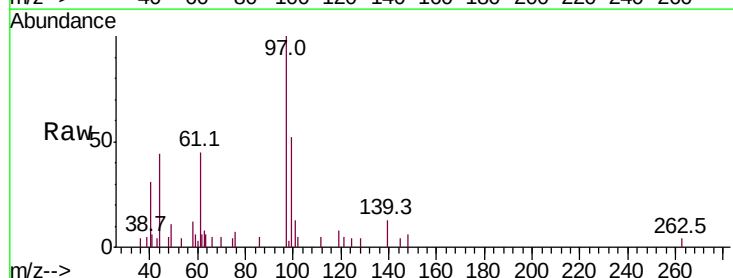
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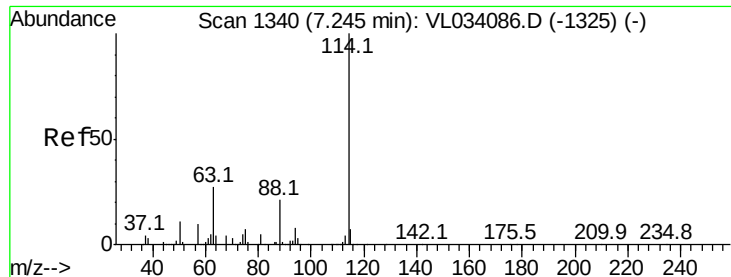
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#32
1,1,1-Trichloroethane
Concen: 0.041 ppbv m
RT: 6.57 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VL034111.D
Acq: 12 Aug 2019 21:34

Tgt Ion:	97	Resp:	7724
Ion	Ratio	Lower	Upper
97	100		
99	61.3	52.2	78.4
61	44.8	42.0	63.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.23 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VL034111.D

Acq: 12 Aug 2019 21:34

Instrument :

MSVOA_L

ClientSampled :

VIBLK

Tot Ion:114 Resp: 2175457

Ion Ratio Lower Upper

114 100

63 31.2 22.5 33.7

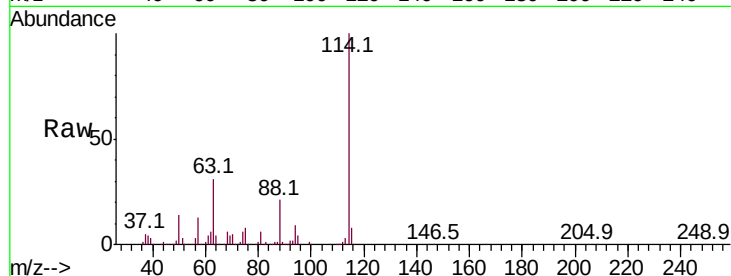
88 21.0 15.7 23.5

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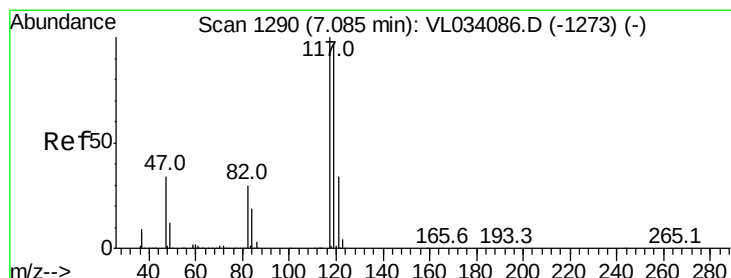
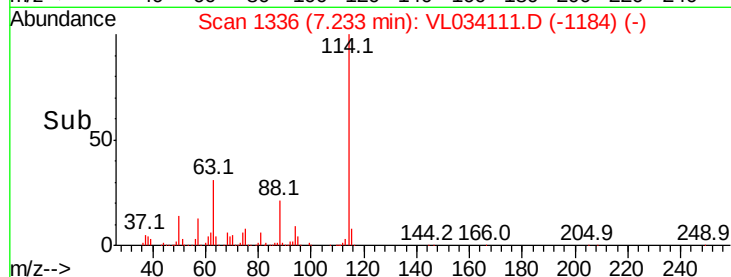
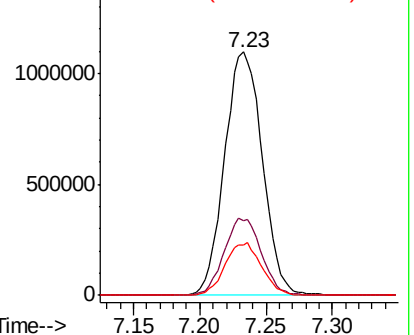
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#35

Carbon Tetrachloride

Concen: 0.041 ppbv m

RT: 7.07 min Scan# 1286

Delta R.T. -0.01 min

Lab File: VL034111.D

Acq: 12 Aug 2019 21:34

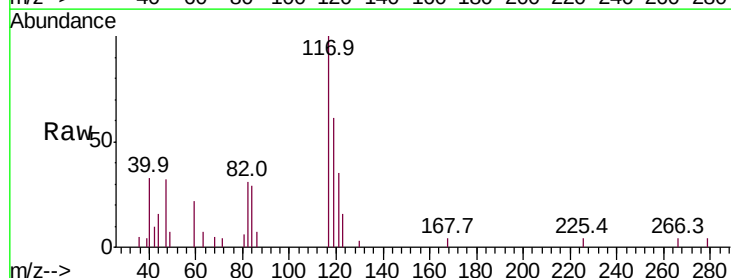
Tgt Ion:117 Resp: 6825

Ion Ratio Lower Upper

117 100

119 60.7 77.8 116.6#

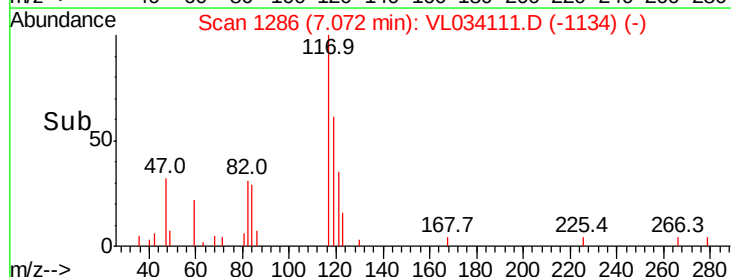
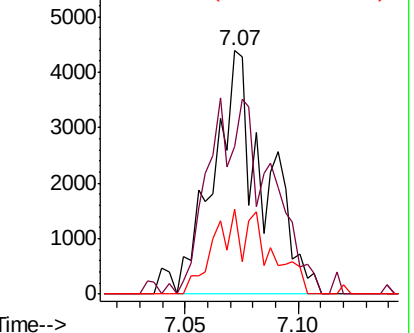
121 35.0 27.4 41.2

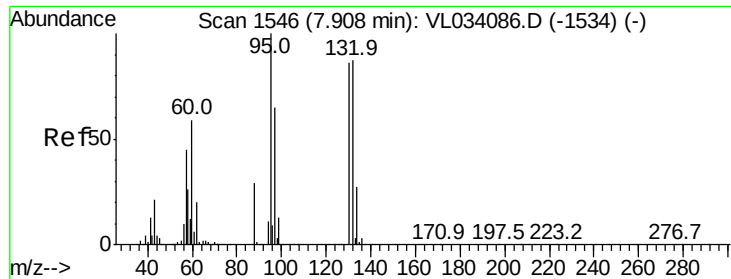


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





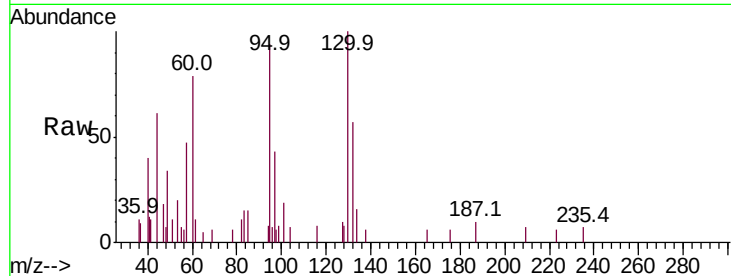
#38
 Trichloroethene
 Concen: 0.043 ppbv m
 RT: 7.90 min Scan# 1543
 Delta R.T. -0.01 min
 Lab File: VL034111.D
 Acq: 12 Aug 2019 21:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Tot Ion	Ratio	Lower	Upper
130	100		
95	94.0	92.1	138.1
132	56.8	79.7	119.5#
97	43.2	60.2	90.4#

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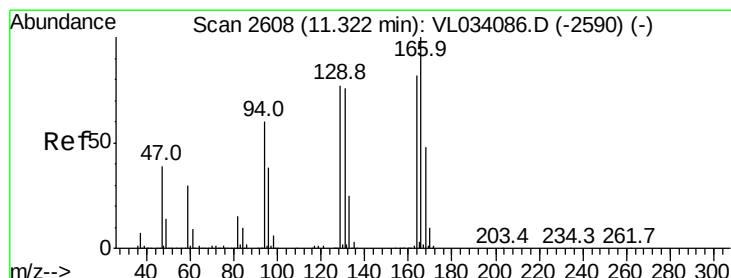
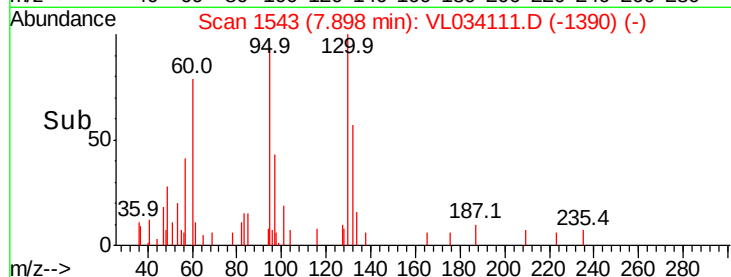
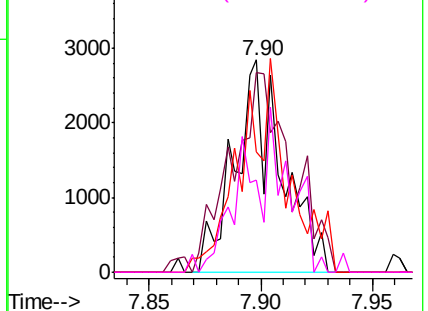
Abundance

Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#52
 Tetrachloroethene
 Concen: 0.043 ppbv m
 RT: 11.29 min Scan# 2597
 Delta R.T. -0.04 min
 Lab File: VL034111.D
 Acq: 12 Aug 2019 21:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	68.2	96.8	145.2#
129	23.2	74.9	112.3#
131	17.0	74.2	111.2#

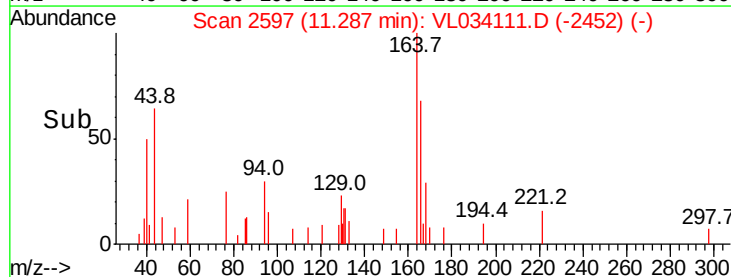
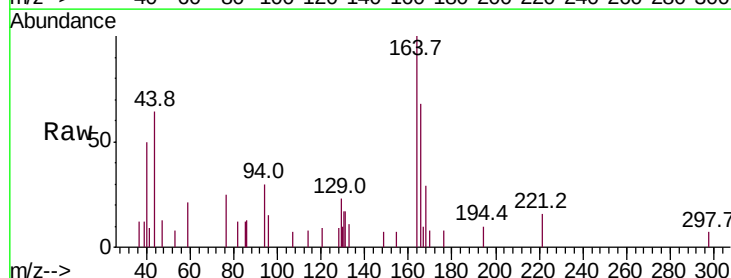
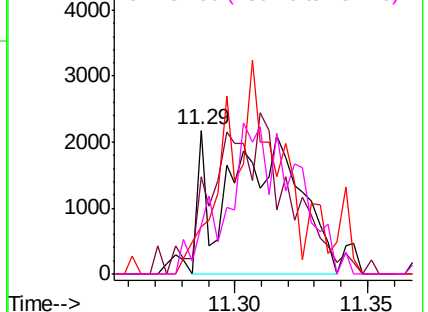
Abundance

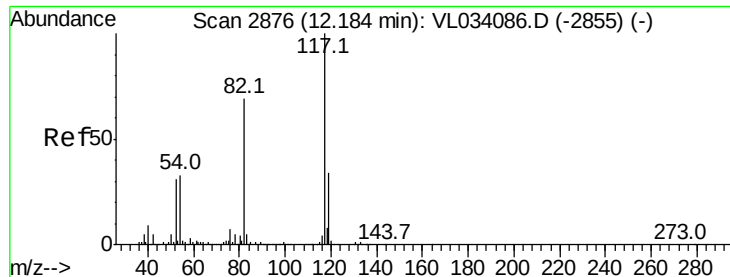
Ion 163.90 (163.60 to 164.60): V

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





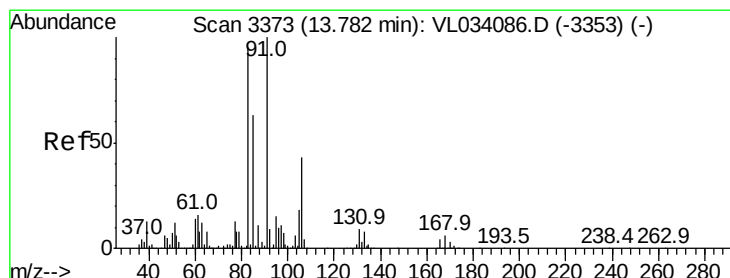
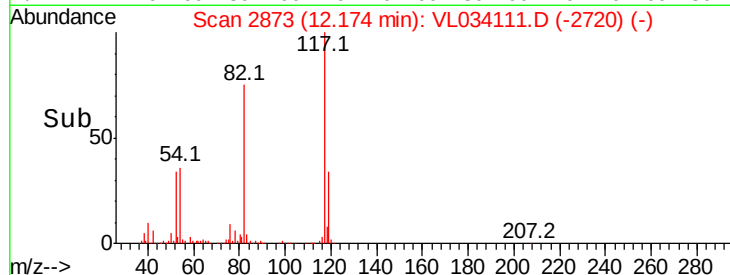
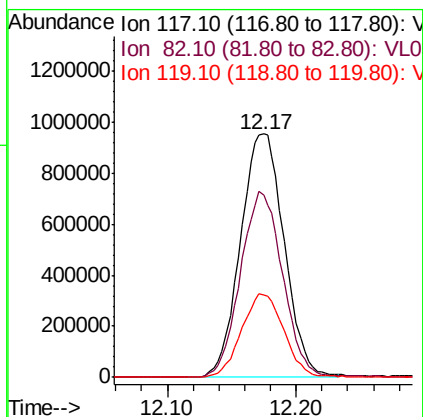
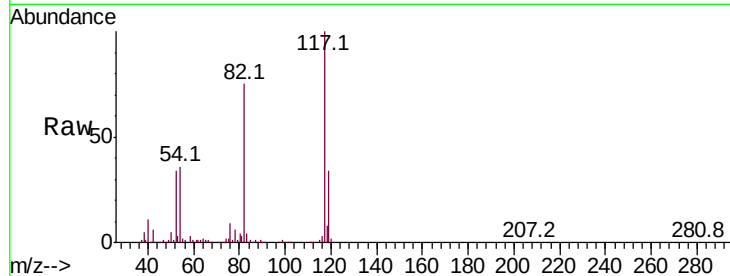
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.17 min Scan# 2873
Delta R.T. -0.01 min
Lab File: VL034111.D
Acq: 12 Aug 2019 21:34

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tot Ion	Ratio	Lower	Upper
117	100		
82	74.1	52.2	78.4
119	33.5	44.8	67.2#

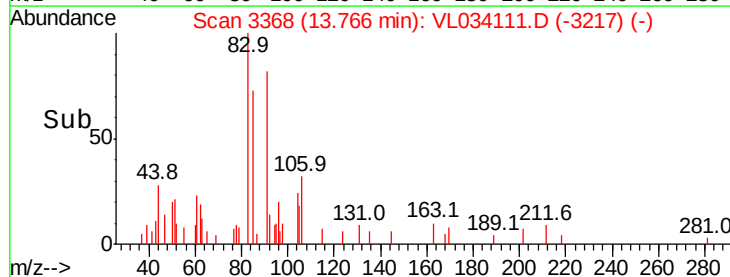
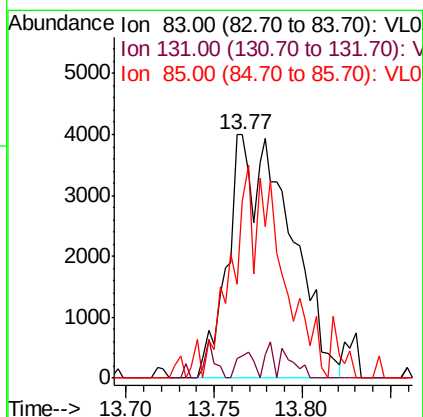
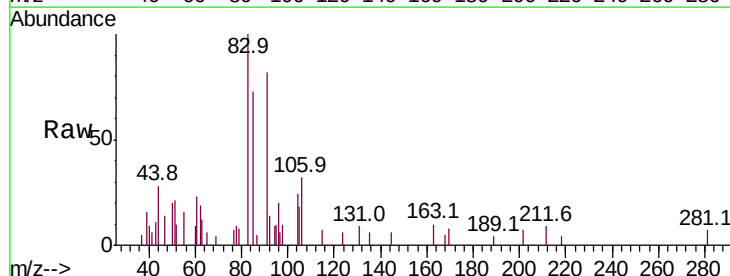
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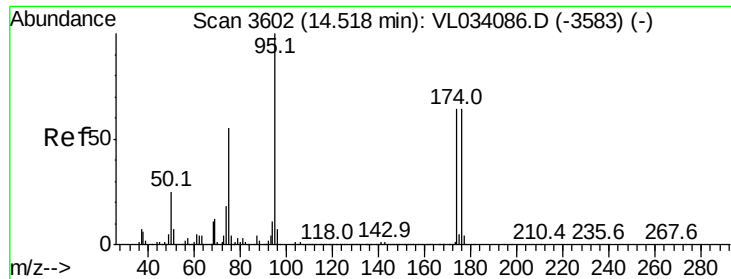
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#63
1,1,2,2-Tetrachloroethane
Concen: 0.044 ppbv m
RT: 13.77 min Scan# 3368
Delta R.T. -0.02 min
Lab File: VL034111.D
Acq: 12 Aug 2019 21:34

Tgt Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.6	13.8#
85	0.0	32.6	97.8#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.723 ppbv

RT: 14.51 min Scan# 3599

Delta R.T. -0.01 min

Lab File: VL034111.D

Acq: 12 Aug 2019 21:34

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tot Ion: 95 Resp: 1958125

Ion Ratio Lower Upper

95 100

174 62.3 53.0 79.6

175 4.4 4.2 6.2

Manual Integrations

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8/16/2019 8:54:32 AM

