

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032519\
 Data File : VL033438.D
 Acq On : 25 Mar 2019 13:03
 Operator : SY/AP
 Sample : VSTDIC0.1
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Manual Integrations
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 4/1/2019 1:22:46 AM

Quant Time: Mar 26 05:45:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 1
 QLast Update : Fri Mar 15 14:52:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	752494	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1753281	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.24	117	1728715	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1384110	10.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.29	62	4669	0.097	ppbv	# 43
32) 1,1,1-Trichloroethane	6.62	97	10454	0.086	ppbv	92
35) Carbon Tetrachloride	7.13	117	10941m	0.089	ppbv	
38) Trichloroethene	7.95	130	4692m	0.079	ppbv	
52) Tetrachloroethene	11.37	164	5108m	0.078	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.84	83	13742m	0.093	ppbv	

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

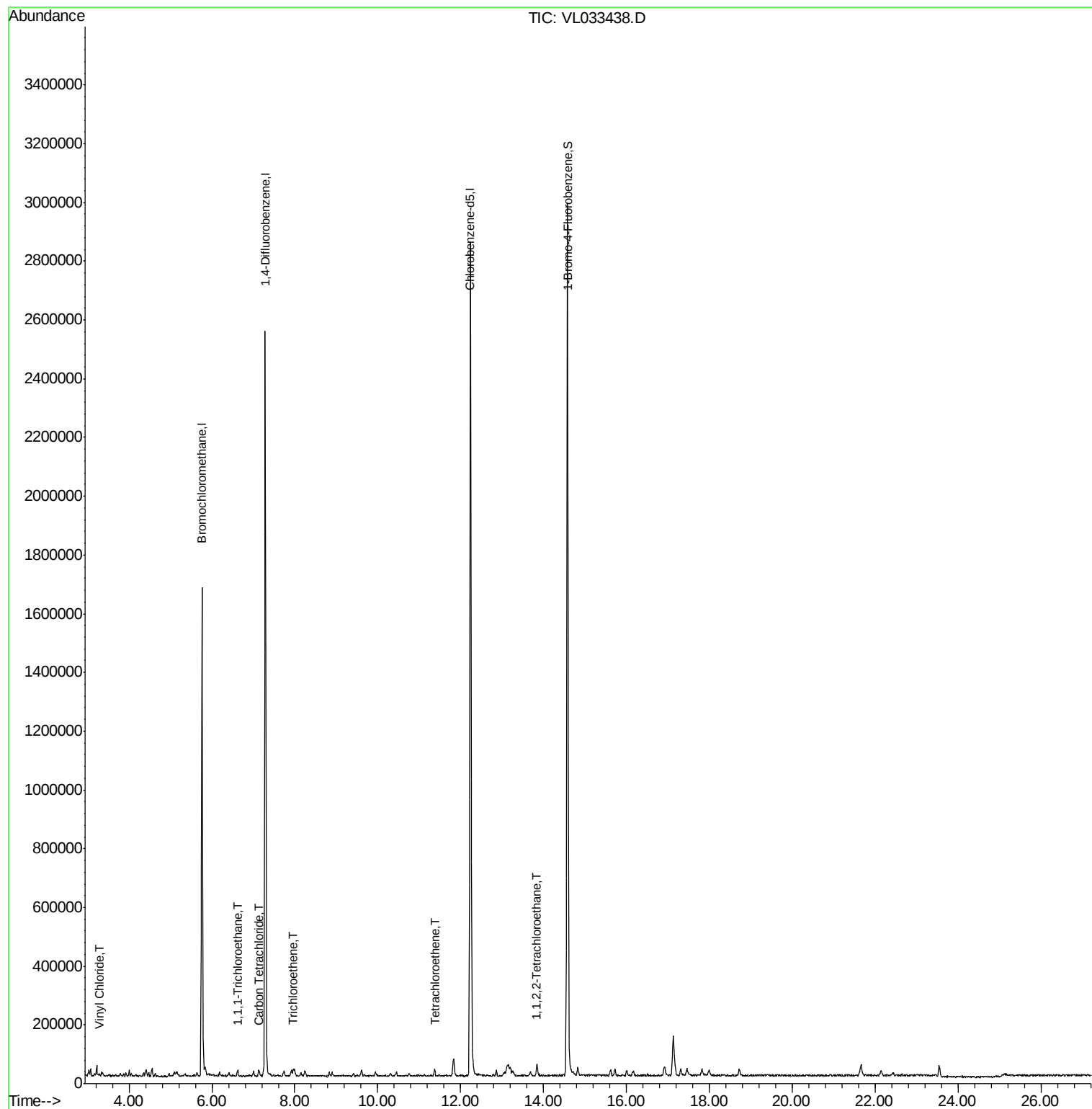
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032519\
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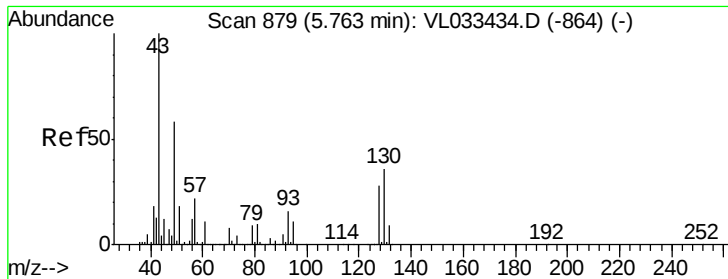
Instrument :
MSVOA_L
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
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QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033438.D

Acq: 25 Mar 2019 13:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion: 49 Resp: 752494

Ion Ratio Lower Upper

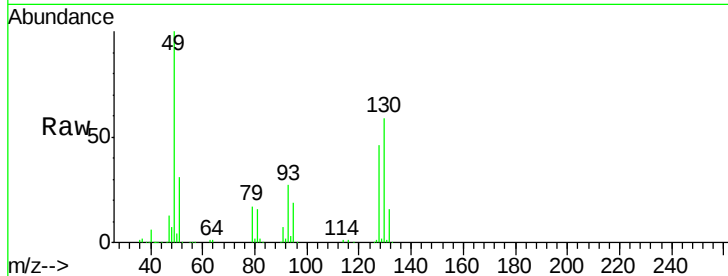
49 100

128 48.3 23.5 70.6

130 61.8 30.1 90.3

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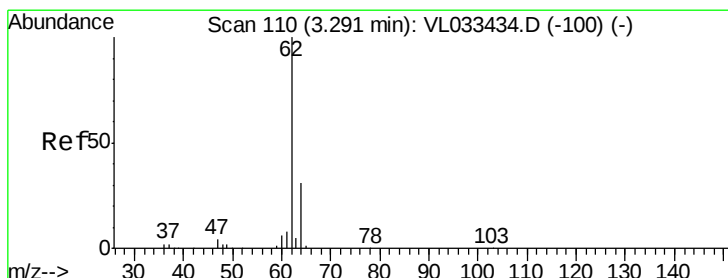
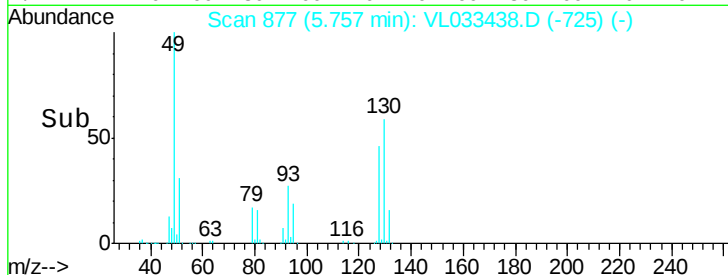
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.76

Time-->



#5

Vinyl Chloride

Concen: 0.097 ppbv

RT: 3.29 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL033438.D

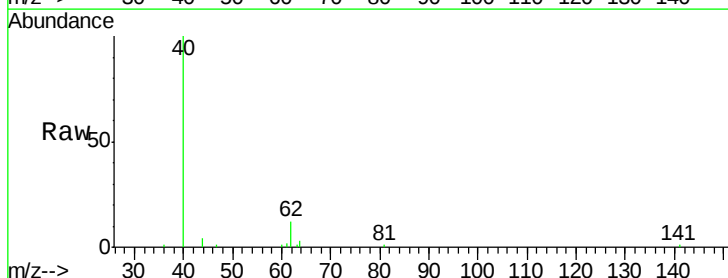
Acq: 25 Mar 2019 13:03

Tgt Ion: 62 Resp: 4669

Ion Ratio Lower Upper

62 100

64 0.0 25.0 37.6#

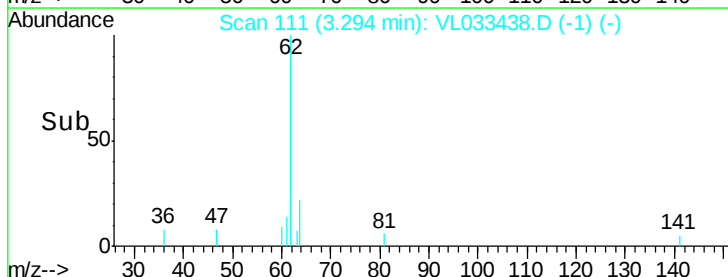


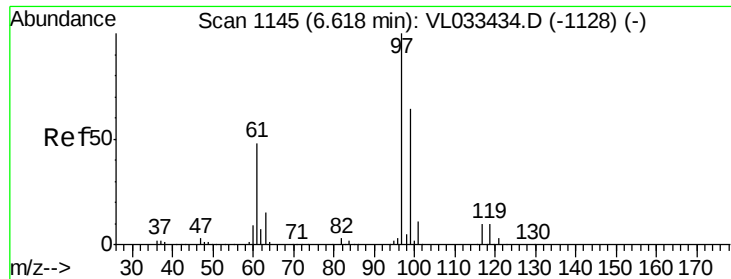
Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.29

Time-->





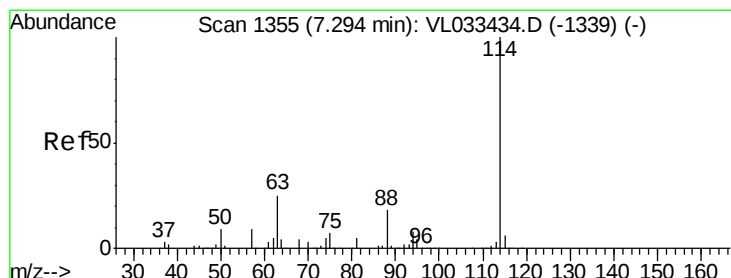
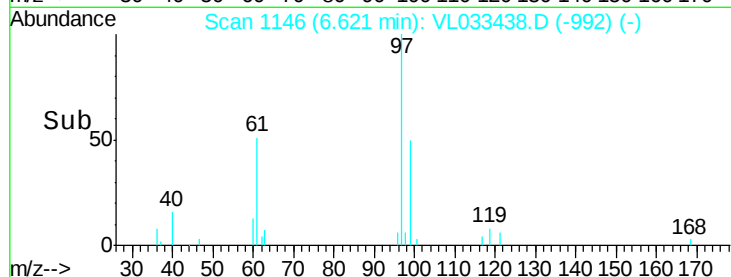
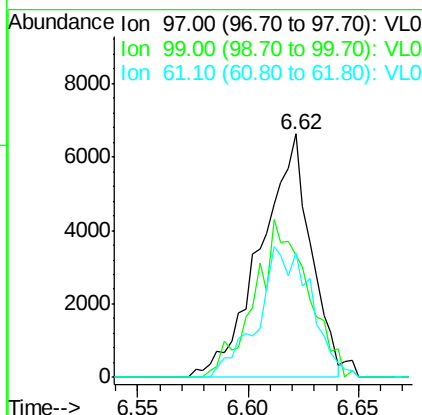
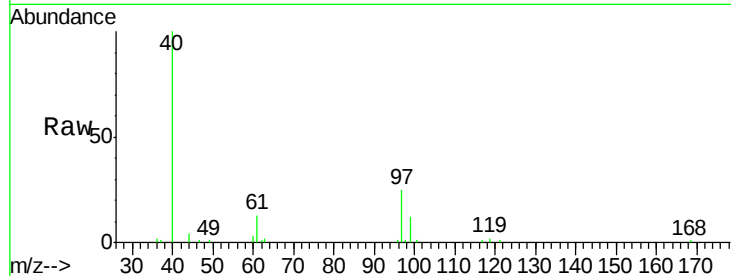
#32
 1,1,1-Trichloroethane
 Concen: 0.086 ppbv
 RT: 6.62 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: VL033438.D
 Acq: 25 Mar 2019 13:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
97	100		
99	68.3	51.0	76.6
61	56.8	39.3	58.9

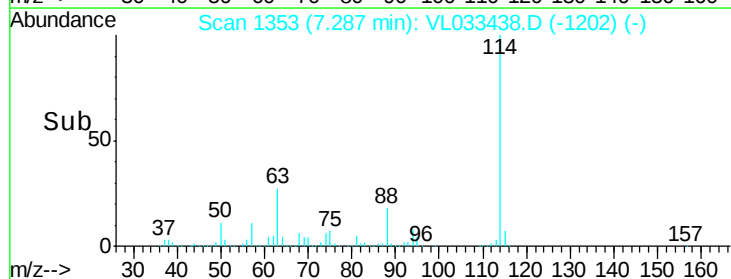
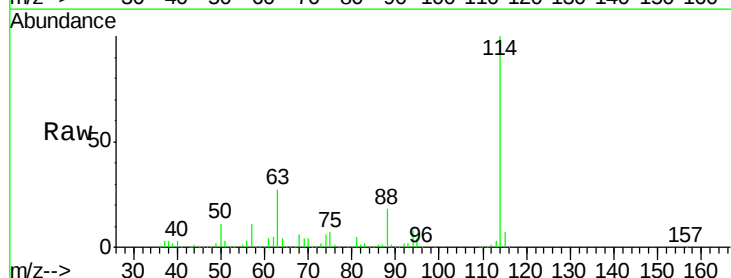
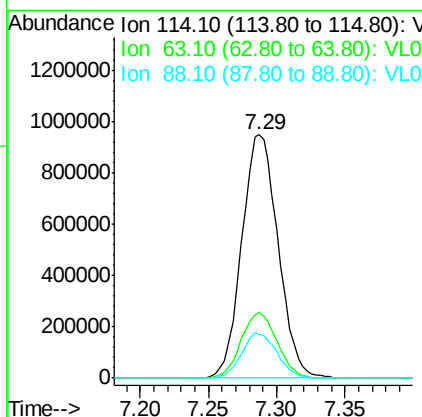
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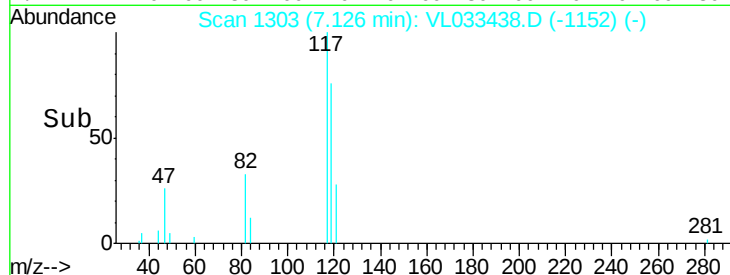
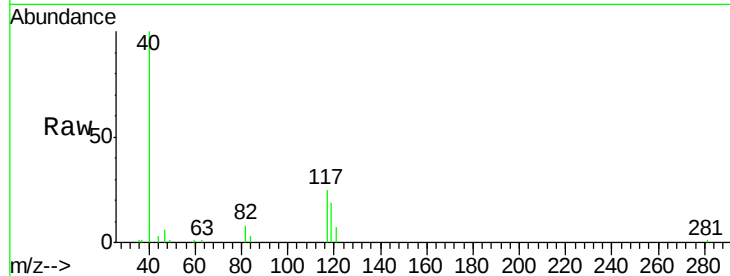
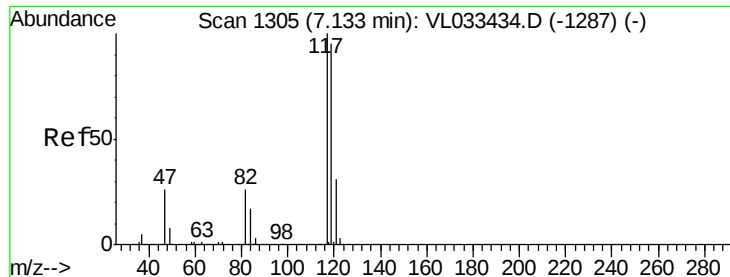
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#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033438.D
 Acq: 25 Mar 2019 13:03

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.8	21.4	32.2
88	18.2	14.5	21.7





#35

Carbon Tetrachloride

Concen: 0.089 ppbv m

RT: 7.13 min Scan# 1303

Delta R.T. -0.01 min

Lab File: VL033438.D

Acq: 25 Mar 2019 13:03

Tot Ion:117	Resp:	10941
Ion Ratio	Lower	Upper
117	100	
119	76.3	77.4 116.0#
121	28.0	24.9 37.3

Instrument :

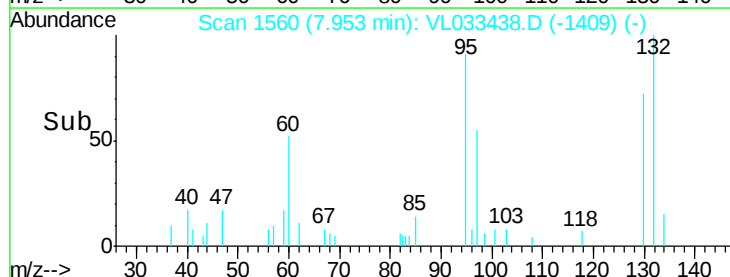
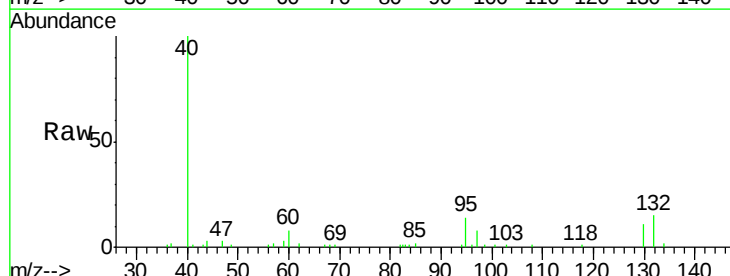
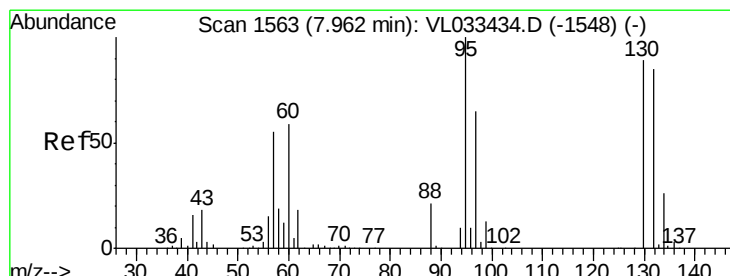
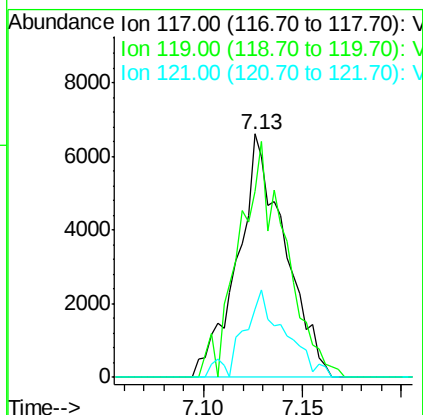
MSVOA_L

ClientSampleId :

VSTDIC0.1

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#38

Trichloroethene

Concen: 0.079 ppbv m

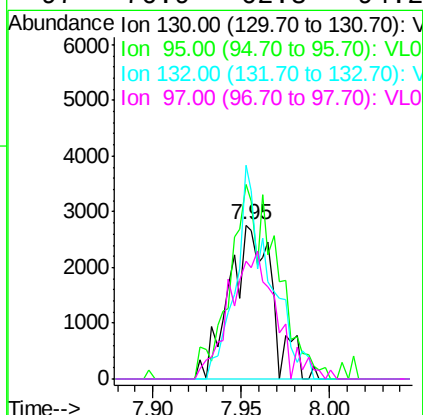
RT: 7.95 min Scan# 1560

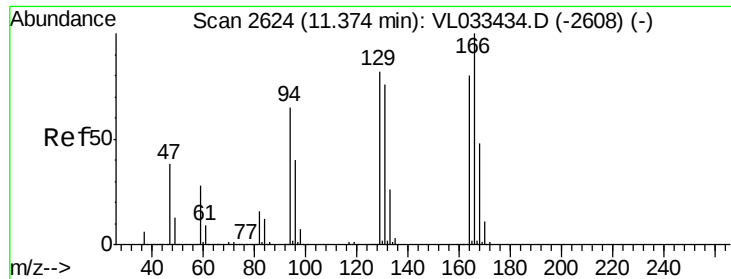
Delta R.T. -0.01 min

Lab File: VL033438.D

Acq: 25 Mar 2019 13:03

Tgt Ion:130	Resp:	4692
Ion Ratio	Lower	Upper
130	100	
95	126.6	95.2 142.8
132	139.0	77.7 116.5#
97	76.9	62.8 94.2





#52

Tetrachloroethene

Concen: 0.078 ppbv m

RT: 11.37 min Scan# 2624

Delta R.T. -0.00 min

Lab File: VL033438.D

Acq: 25 Mar 2019 13:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion:164 Resp: 5108

Ion Ratio Lower Upper

164 100

166 93.2 101.5 152.3#

129 93.5 82.2 123.2

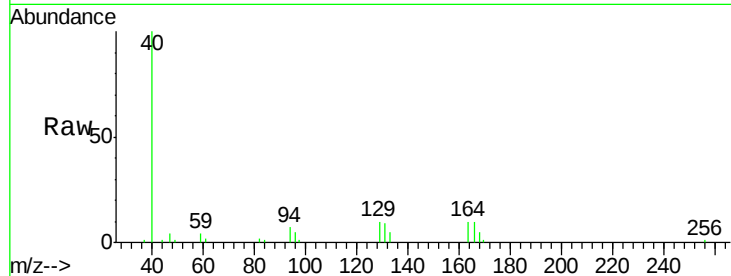
131 82.4 81.1 121.7

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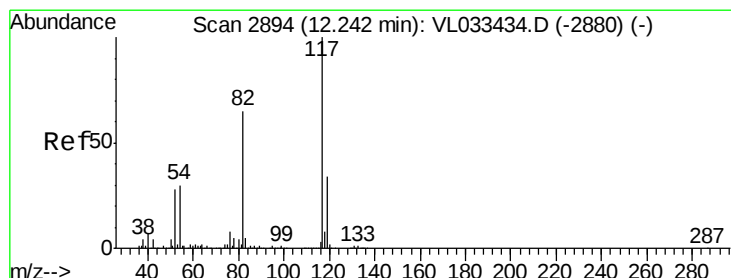
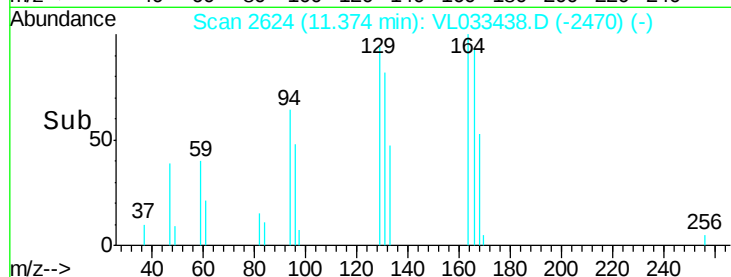
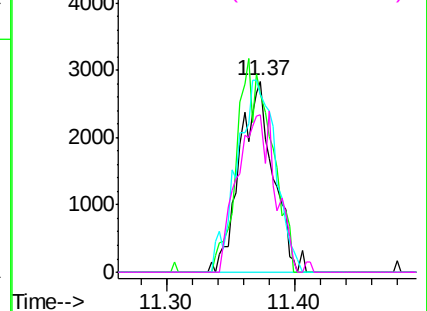


Abundance Ion 163.90 (163.60 to 164.60): V

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: 12.24 min Scan# 2893

Delta R.T. -0.01 min

Lab File: VL033438.D

Acq: 25 Mar 2019 13:03

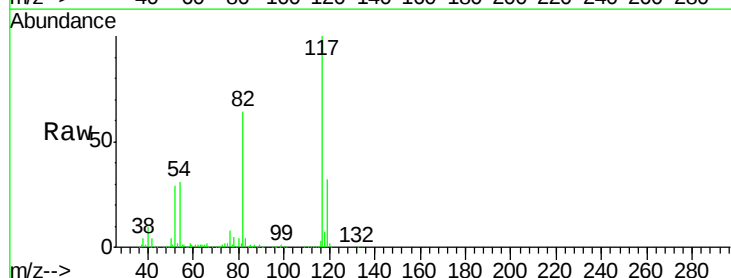
Tgt Ion:117 Resp: 1728715

Ion Ratio Lower Upper

117 100

82 67.1 53.4 80.2

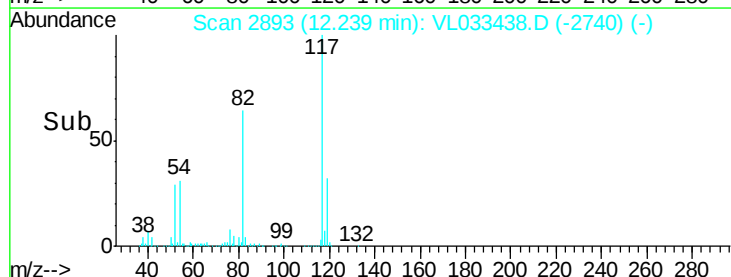
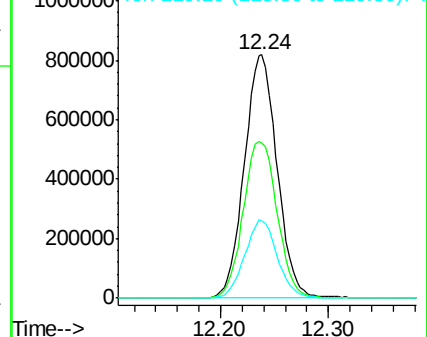
119 32.2 27.3 40.9

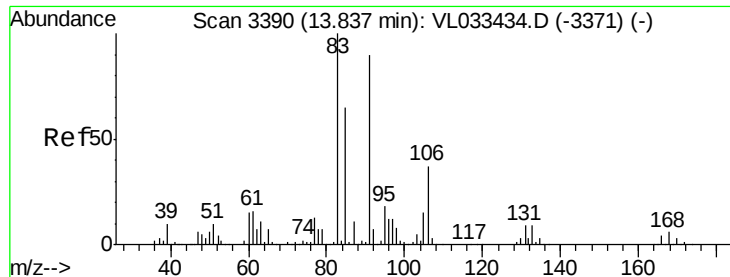


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





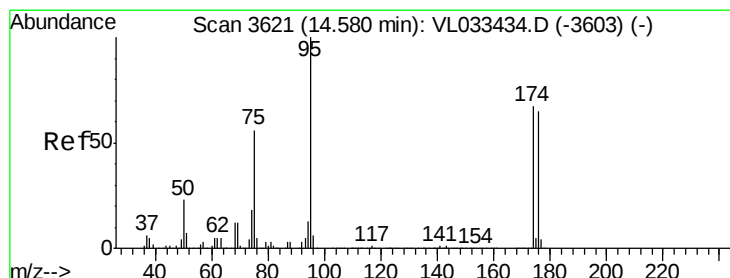
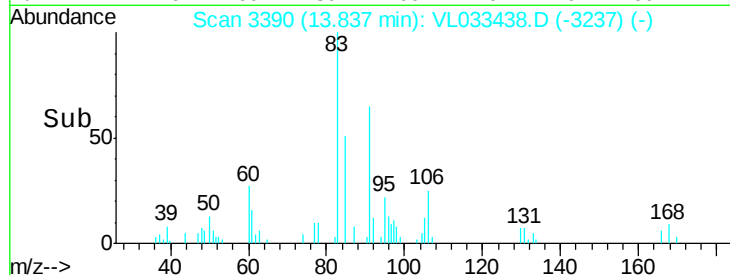
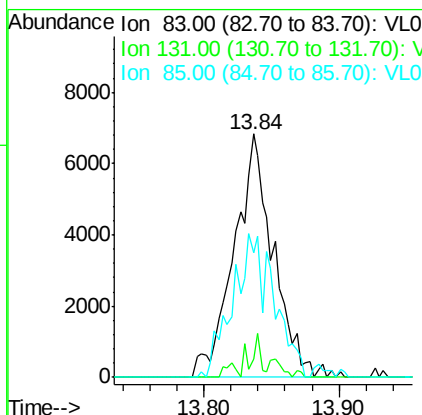
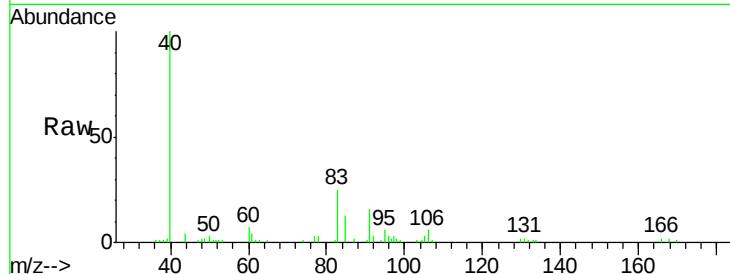
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.093 ppbv m
 RT: 13.84 min Scan# 3390
 Delta R.T. -0.01 min
 Lab File: VL033438.D
 Acq: 25 Mar 2019 13:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCO.1

Tot Ion	83	Resp	13742
Ion Ratio	100	Lower	Upper
83	100		
131	9.2	4.7	14.0
85	64.4	32.5	97.4

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.805 ppbv
 RT: 14.58 min Scan# 3620
 Delta R.T. -0.01 min
 Lab File: VL033438.D
 Acq: 25 Mar 2019 13:03

Tgt Ion	95	Resp	1384110
Ion Ratio	100	Lower	Upper
95	100		
174	64.8	51.5	77.3
175	4.6	3.8	5.6

