

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV083118\
 Data File : VV007300.D
 Acq On : 31 Aug 2018 15:00
 Operator : SY/MD
 Sample : J4665-13
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E0AA7

Quant Time: Sep 01 00:19:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM083118WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 31 23:57:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	570241	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	553163	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	213685	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	167394	48.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.16%
7) Chloroethane-d5	1.58	69	118016	54.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.78%
11) 1,1-Dichloroethene-d2	2.13	63	239794	37.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.96%
21) 2-Butanone-d5	3.96	46	278077	99.78	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.78%
24) Chloroform-d	4.41	84	357571	48.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	5.09	65	226569	50.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.44%
32) Benzene-d6	5.10	84	736598	49.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.10%
36) 1,2-Dichloropropane-d6	6.12	67	251300	50.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.98%
41) Toluene-d8	7.36	98	619124	46.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.14%
43) trans-1,3-Dichloropropene-	7.67	79	102116	46.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.90%
47) 2-Hexanone-d5	8.15	63	169338	92.21	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.21%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	320810	47.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.56%
64) 1,2-Dichlorobenzene-d4	11.68	152	244607	56.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.96%

Target Compounds

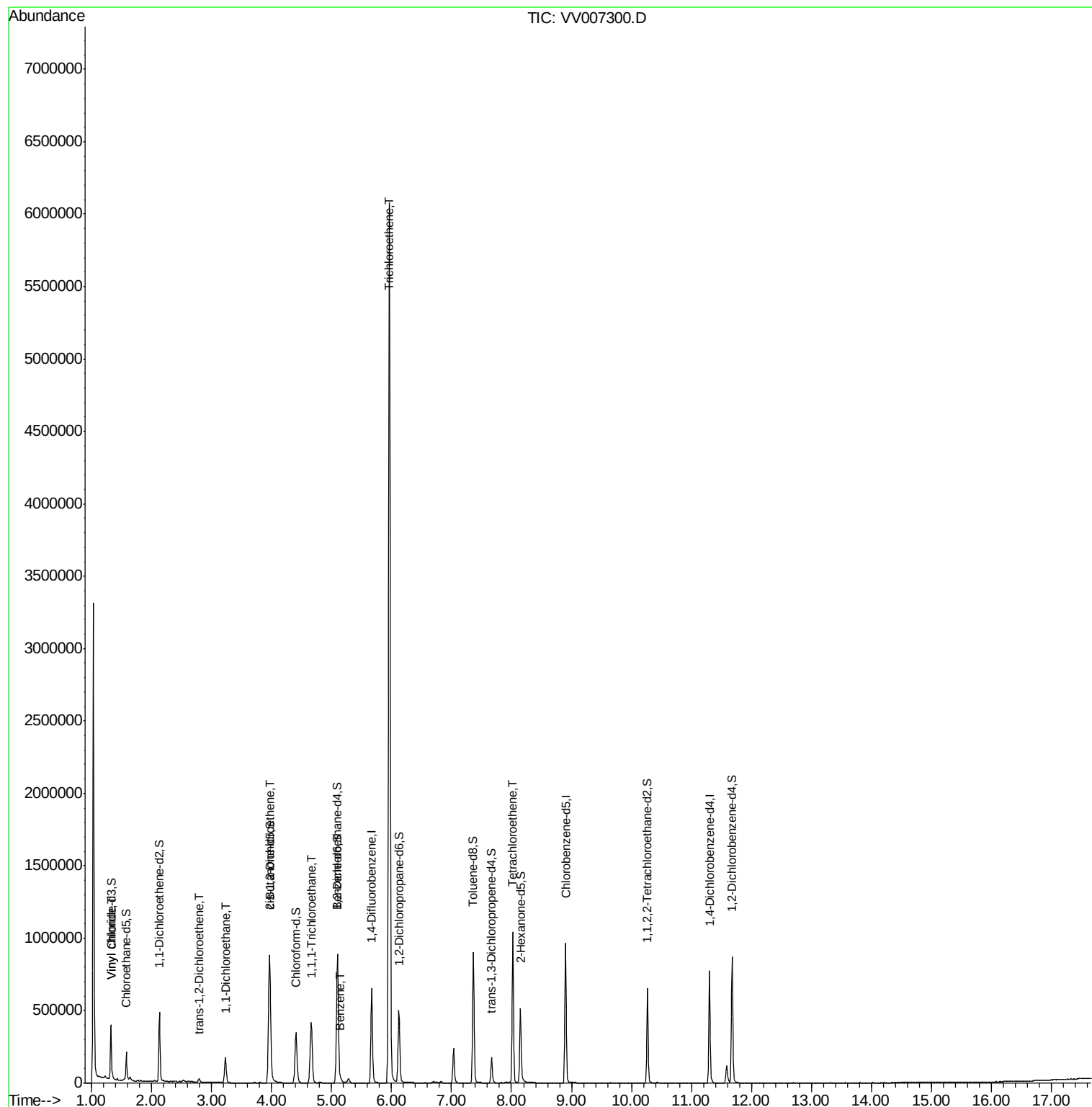
						Ovalue
5) Vinyl chloride	1.32	62	107707	23.30	ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	6389	1.71	ug/L	96
19) 1,1-Dichloroethane	3.23	63	179396	23.80	ug/L	99
20) cis-1,2-Dichloroethene	3.97	96	426727	99.45	ug/L	100
30) 1,1,1-Trichloroethane	4.67	97	340488	54.08	ug/L	99
33) Benzene	5.15	78	24560	1.47	ug/L	100
34) Trichloroethene	5.96	95	2124006	523.21	ug/L	99
46) Tetrachloroethene	8.02	164	246227	72.35	ug/L	98

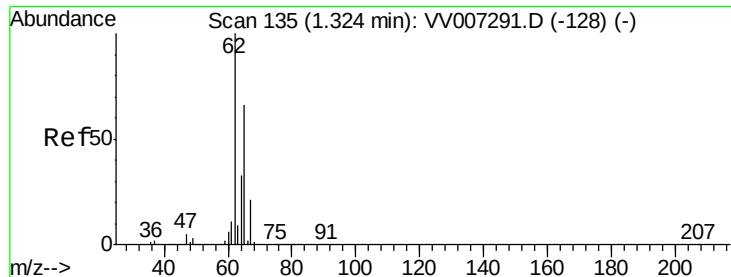
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 31 23:57:34 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 23.30 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV007300.D

Acq: 31 Aug 2018 15:00

Instrument :

MSVOA_V

ClientSampleId :

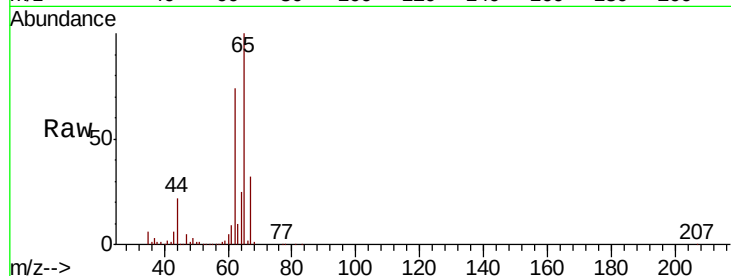
E0AA7

Tot Ion: 62 Resp: 107707

Ion Ratio Lower Upper

62 100

64 34.2 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

100000

80000

60000

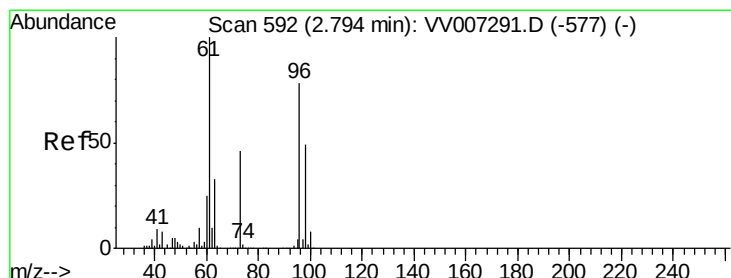
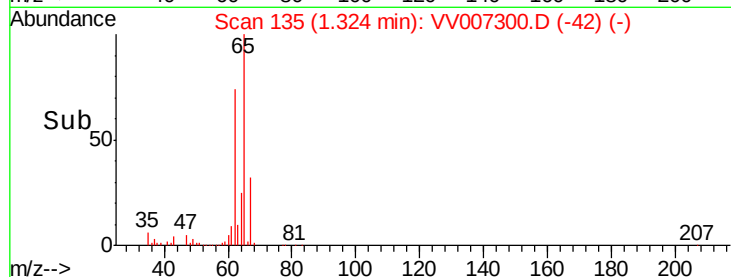
40000

20000

0

1.30 1.35 1.40

Time-->



#17

trans-1,2-Dichloroethene

Concen: 1.71 ug/L

RT: 2.79 min Scan# 592

Delta R.T. -0.00 min

Lab File: VV007300.D

Acq: 31 Aug 2018 15:00

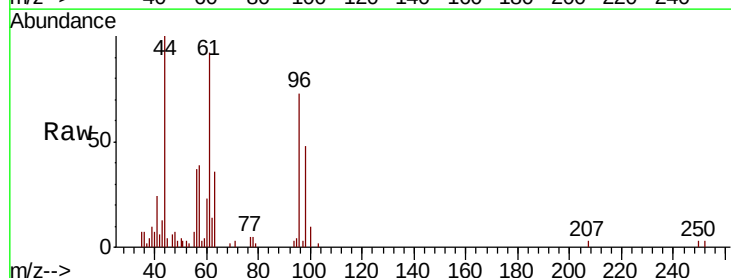
Tgt Ion: 96 Resp: 6389

Ion Ratio Lower Upper

96 100

61 125.2 90.4 167.8

98 66.2 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

2.79

6000

5000

4000

3000

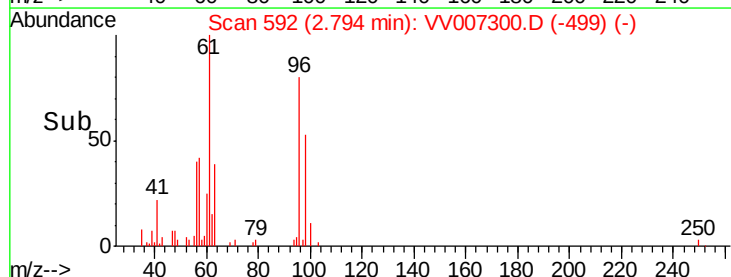
2000

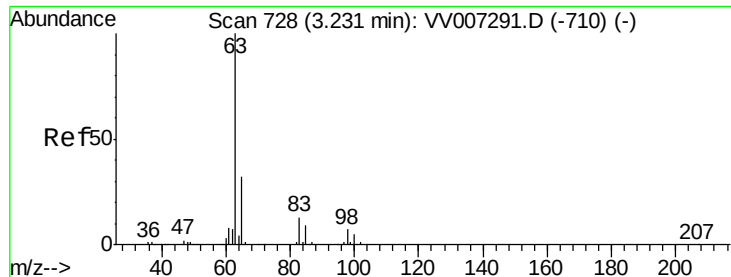
1000

0

2.75 2.80

Time-->





#19

1,1-Dichloroethane

Concen: 23.80 ug/L

RT: 3.23 min Scan# 728

Delta R.T. -0.00 min

Lab File: VV007300.D

Acq: 31 Aug 2018 15:00

Instrument :

MSVOA_V

ClientSampled :

E0AA7

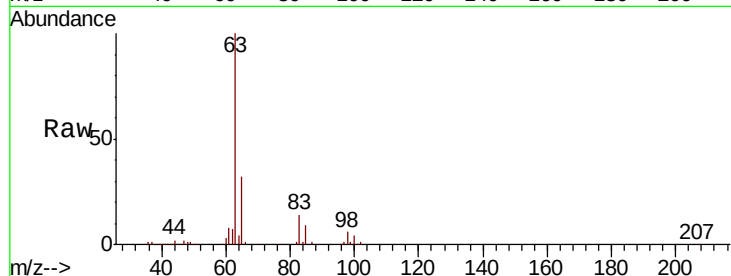
Tot Ion: 63 Resp: 179396

Ion Ratio Lower Upper

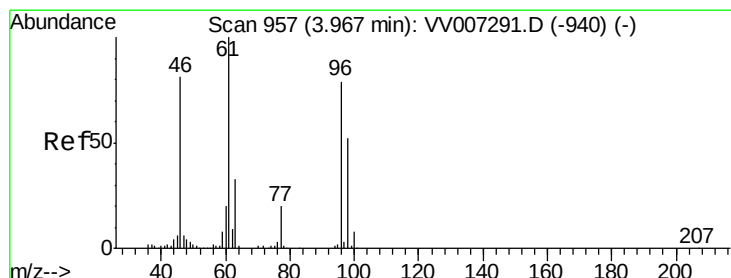
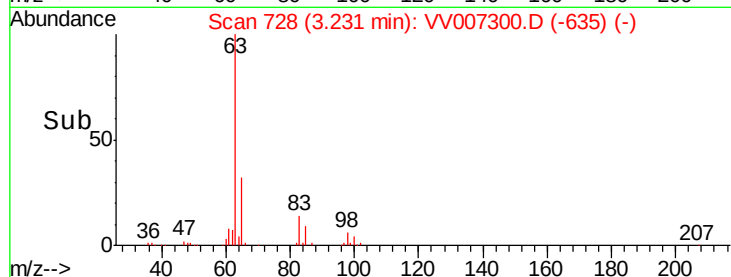
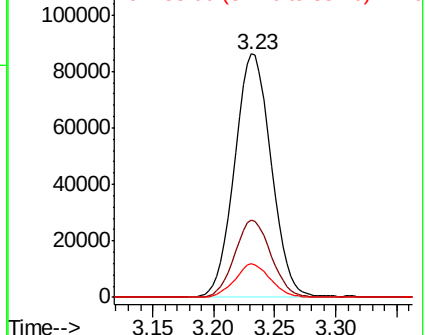
63 100

65 31.9 22.0 41.0

83 13.6 8.8 16.4



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 99.45 ug/L

RT: 3.97 min Scan# 957

Delta R.T. -0.00 min

Lab File: VV007300.D

Acq: 31 Aug 2018 15:00

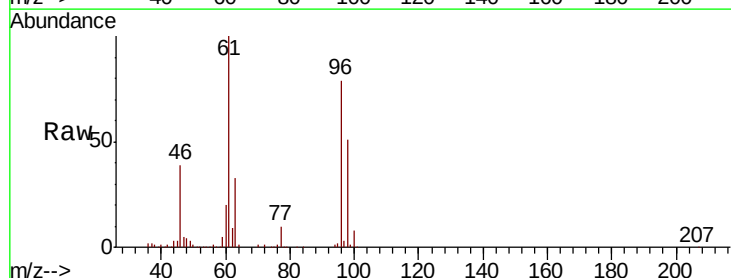
Tgt Ion: 96 Resp: 426727

Ion Ratio Lower Upper

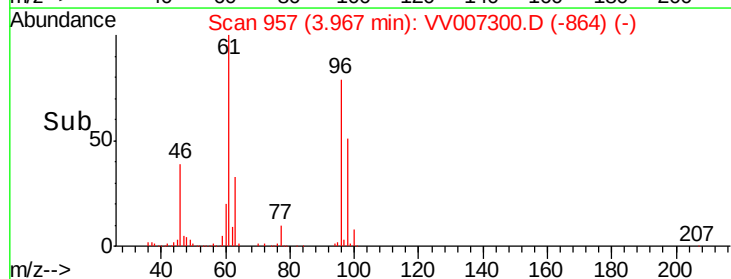
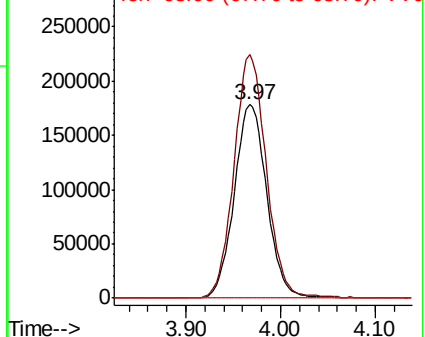
96 100

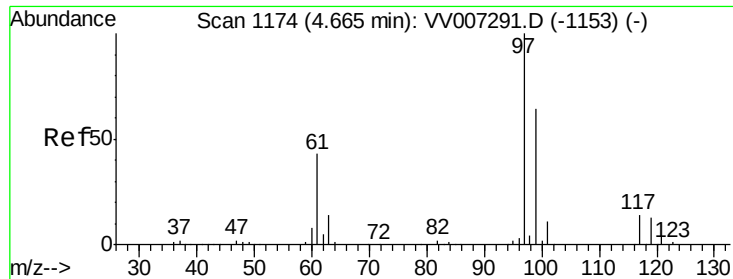
61 125.9 88.4 164.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0

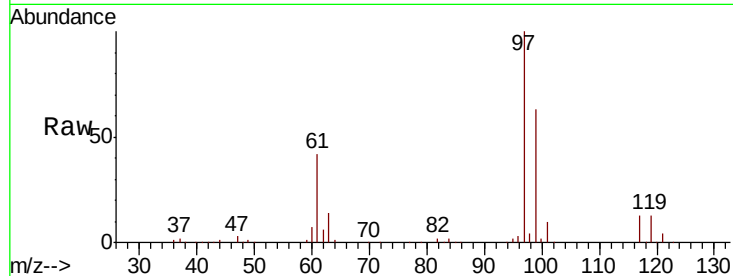




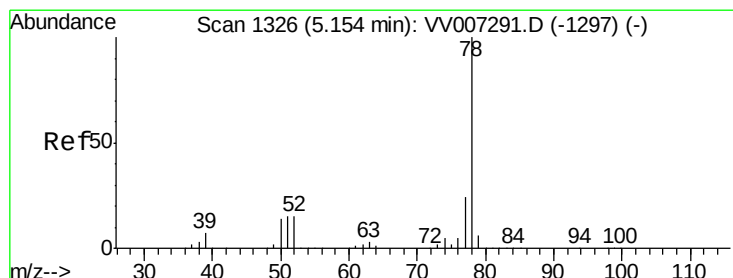
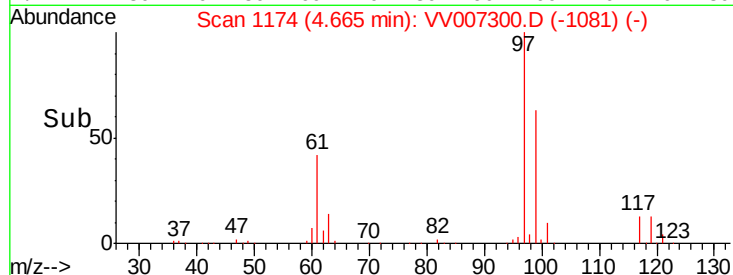
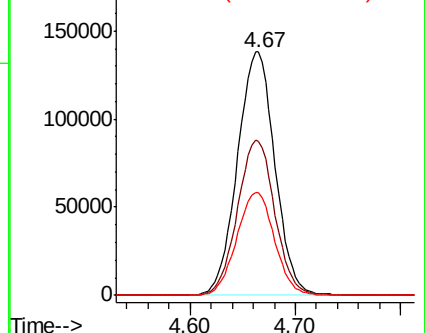
#30
 1,1,1-Trichloroethane
 Concen: 54.08 ug/L
 RT: 4.67 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VV007300.D
 Acq: 31 Aug 2018 15:00

Instrument :
 MSVOA_V
 ClientSampled :
 E0AA7

Tot Ion: 97 Resp: 340488
 Ion Ratio Lower Upper
 97 100
 99 63.6 51.4 77.0
 61 42.7 34.6 51.8

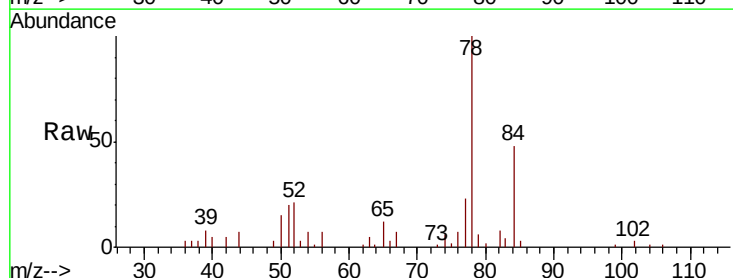


Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0

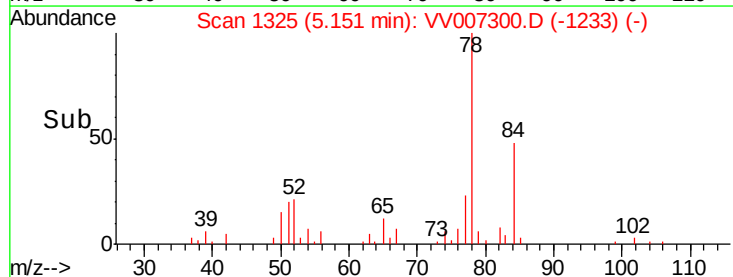
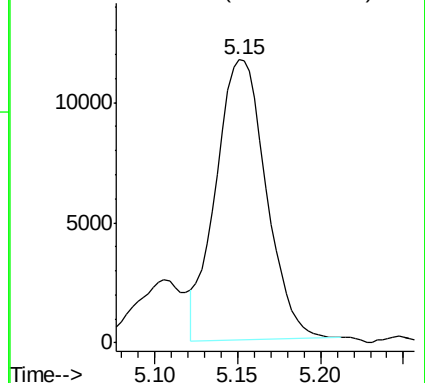


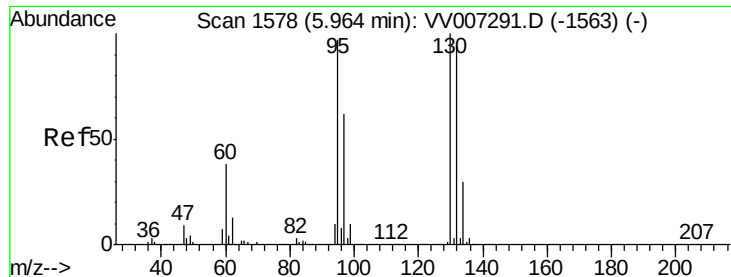
#33
 Benzene
 Concen: 1.47 ug/L
 RT: 5.15 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VV007300.D
 Acq: 31 Aug 2018 15:00

Tgt Ion: 78 Resp: 24560



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 523.21 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VV007300.D

Acq: 31 Aug 2018 15:00

Instrument :
MSVOA_V
ClientSampleId :
E0AA7

Tot Ion: 95 Resp: 2124006

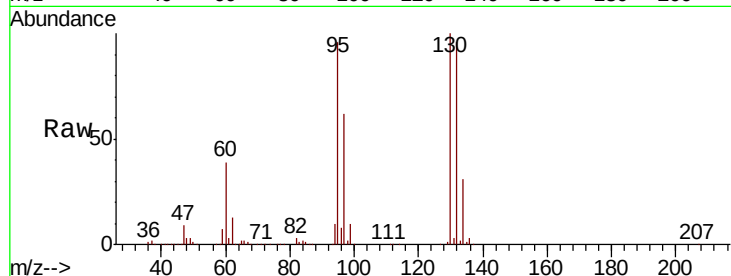
Ion	Ratio	Lower	Upper
95	100		
97	64.4	45.1	83.9
132	99.5	68.3	126.9
130	103.7	72.4	134.5

95 100

97 64.4 45.1 83.9

132 99.5 68.3 126.9

130 103.7 72.4 134.5



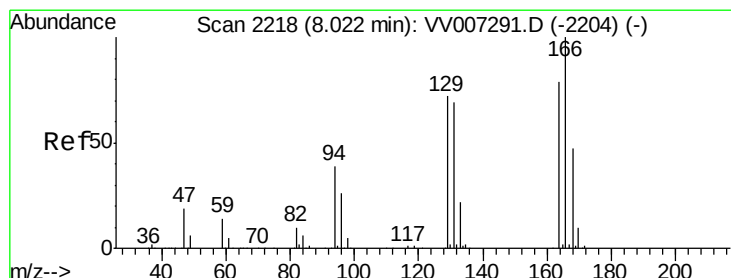
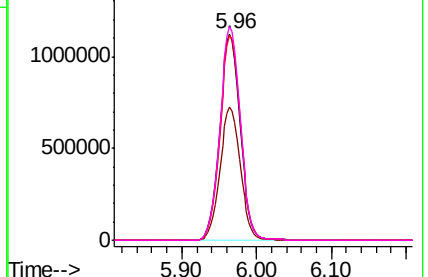
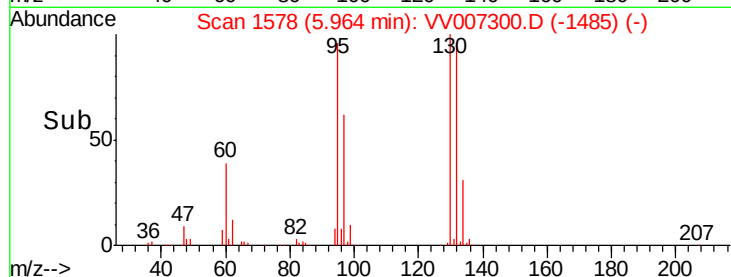
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#46

Tetrachloroethene

Concen: 72.35 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VV007300.D

Acq: 31 Aug 2018 15:00

Tgt Ion:164 Resp: 246227

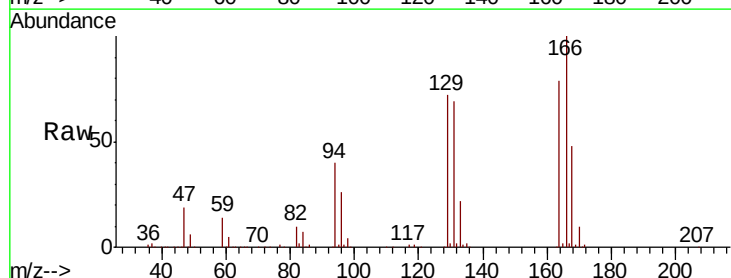
Ion	Ratio	Lower	Upper
164	100		
129	90.0	64.5	119.7
131	86.4	61.2	113.8
166	125.8	89.1	165.5

164 100

129 90.0 64.5 119.7

131 86.4 61.2 113.8

166 125.8 89.1 165.5



Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

