

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV083118\
 Data File : VV007299.D
 Acq On : 31 Aug 2018 14:33
 Operator : SY/MD
 Sample : J4665-12
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E0AA6

Quant Time: Sep 01 00:17:03 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	611254	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	586778	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	228566	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	170488	46.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.30%
7) Chloroethane-d5	1.58	69	120862	51.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.92%
11) 1,1-Dichloroethene-d2	2.13	63	237892	34.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.38%
21) 2-Butanone-d5	3.96	46	288559	96.60	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.60%
24) Chloroform-d	4.41	84	356644	44.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.50%
26) 1,2-Dichloroethane-d4	5.09	65	223490	46.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.36%
32) Benzene-d6	5.11	84	730770	46.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.68%
36) 1,2-Dichloropropane-d6	6.12	67	247660	47.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.74%
41) Toluene-d8	7.37	98	615069	43.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.24%
43) trans-1,3-Dichloropropene-	7.67	79	103751	44.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.98%
47) 2-Hexanone-d5	8.15	63	179155	91.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.97%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	326985	45.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.82%
64) 1,2-Dichlorobenzene-d4	11.68	152	243730	53.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.16%

Target Compounds

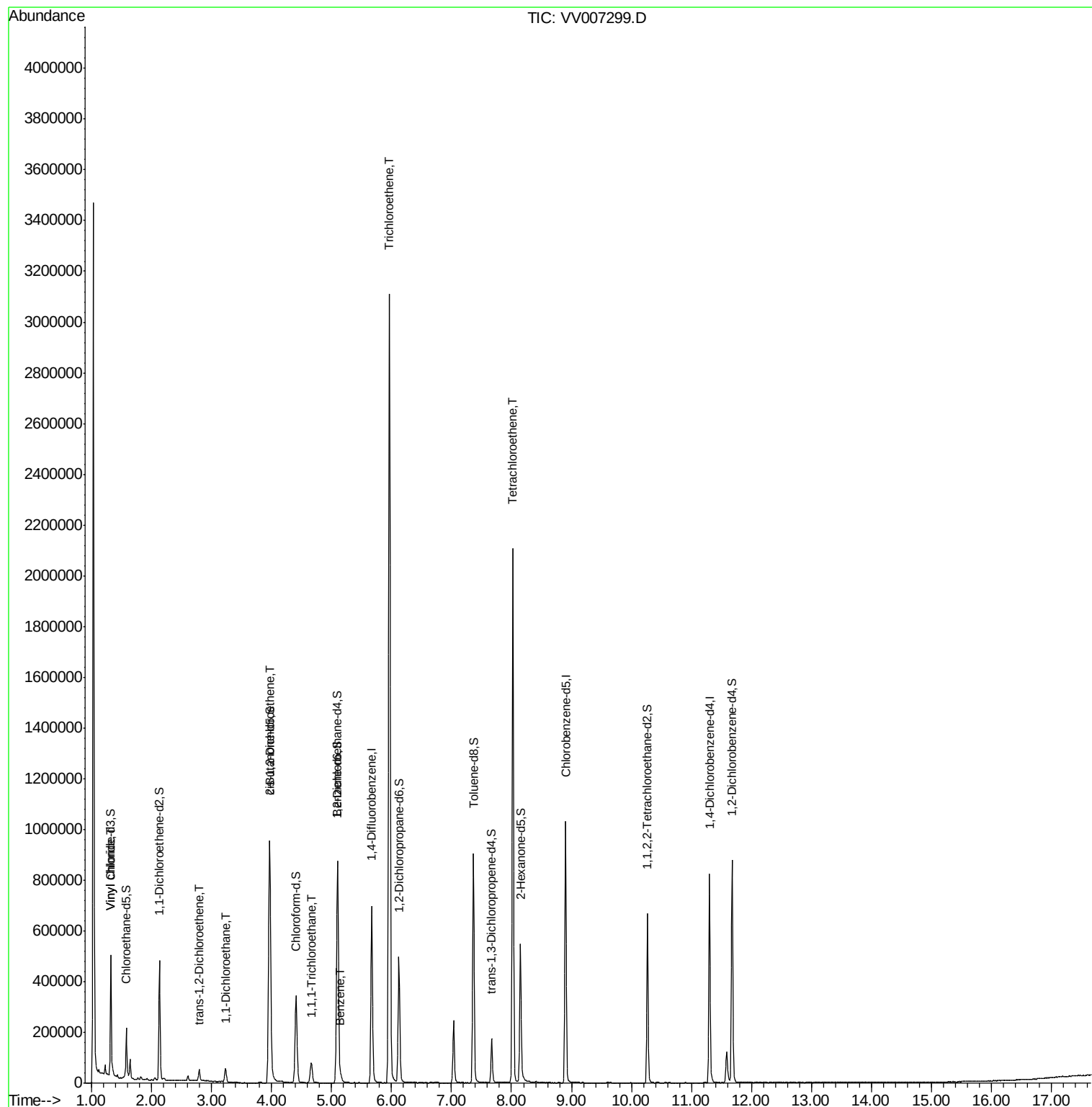
						Ovalue
5) Vinyl chloride	1.32	62	76136	15.37	ug/L	97
17) trans-1,2-Dichloroethene	2.80	96	17480	4.38	ug/L	89
19) 1,1-Dichloroethane	3.23	63	58252	7.21	ug/L	99
20) cis-1,2-Dichloroethene	3.97	96	469730	102.13	ug/L	100
30) 1,1,1-Trichloroethane	4.67	97	64796	9.70	ug/L	99
33) Benzene	5.15	78	23789	1.34	ug/L	100
34) Trichloroethene	5.96	95	1103142	256.17	ug/L	99
46) Tetrachloroethene	8.02	164	496636	137.57	ug/L	99

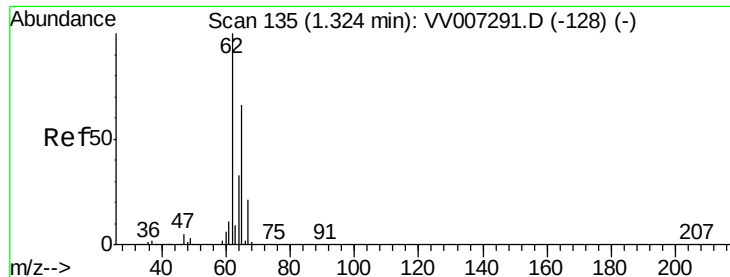
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 15.37 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV007299.D

Acq: 31 Aug 2018 14:33

Instrument :

MSVOA_V

ClientSampleId :

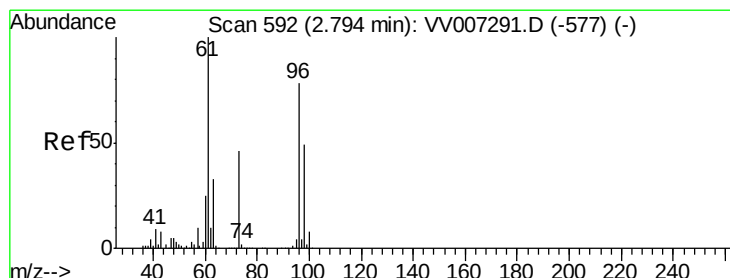
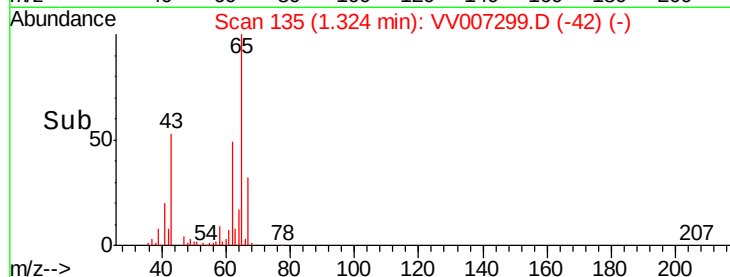
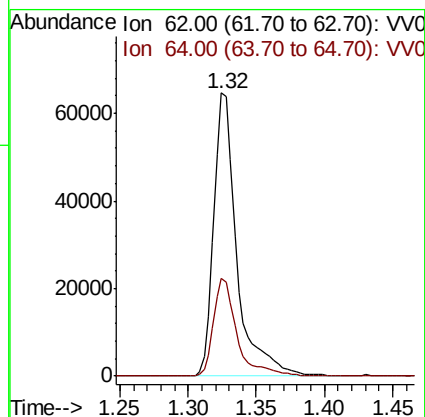
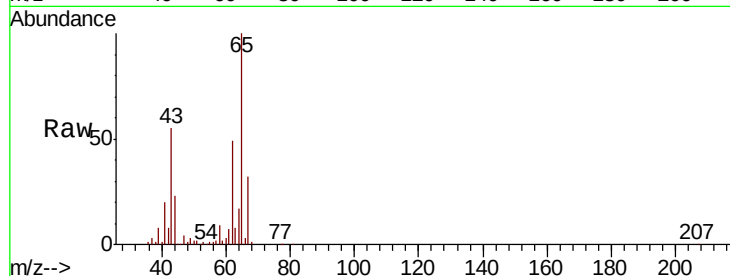
E0AA6

Tot Ion: 62 Resp: 76136

Ion Ratio Lower Upper

62 100

64 34.7 23.2 43.0



#17

trans-1,2-Dichloroethene

Concen: 4.38 ug/L

RT: 2.80 min Scan# 593

Delta R.T. 0.00 min

Lab File: VV007299.D

Acq: 31 Aug 2018 14:33

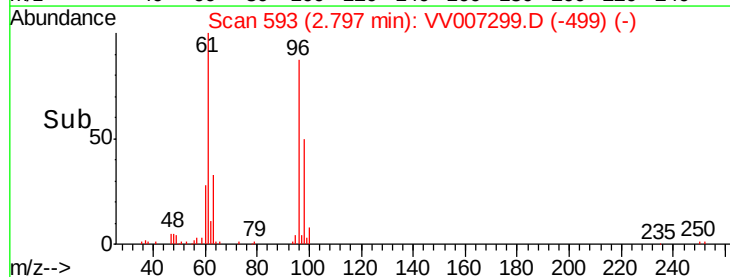
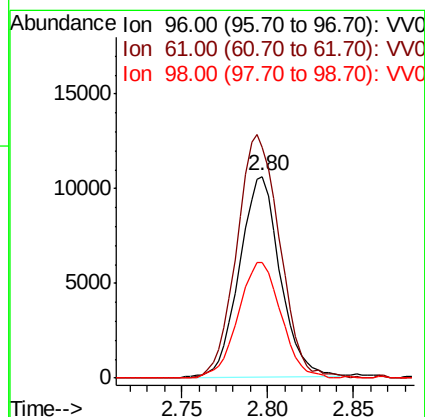
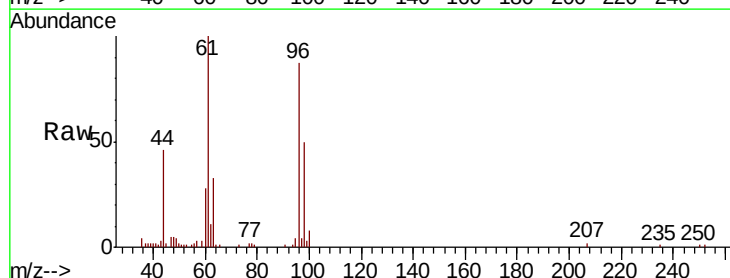
Tgt Ion: 96 Resp: 17480

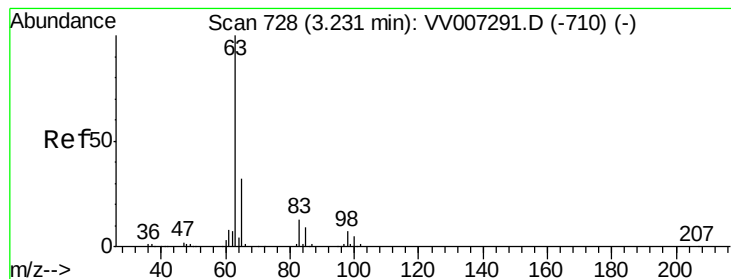
Ion Ratio Lower Upper

96 100

61 114.4 90.4 167.8

98 57.2 44.2 82.0





#19

1,1-Dichloroethane

Concen: 7.21 ug/L

RT: 3.23 min Scan# 729

Delta R.T. 0.00 min

Lab File: VV007299.D

Acq: 31 Aug 2018 14:33

Instrument :

MSVOA_V

ClientSampleId :

E0AA6

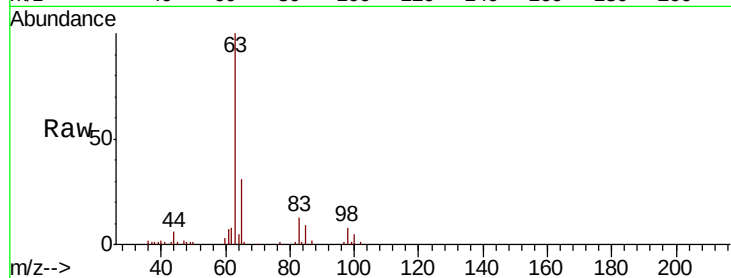
Tot Ion: 63 Resp: 58252

Ion Ratio Lower Upper

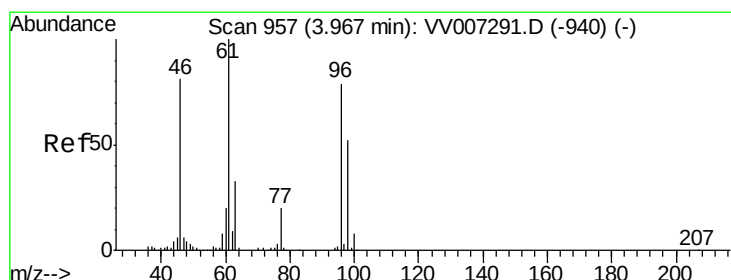
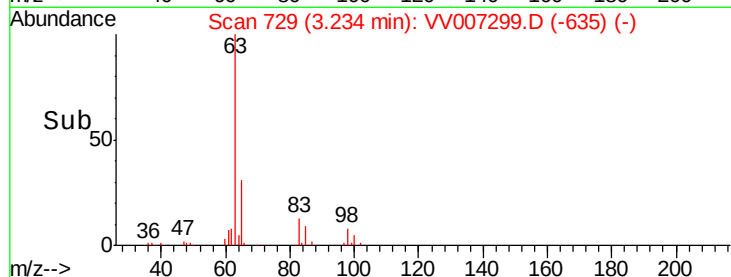
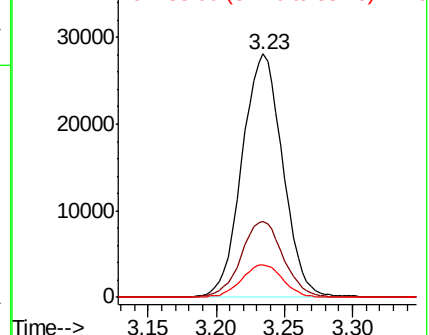
63 100

65 31.0 22.0 41.0

83 13.5 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: 102.13 ug/L

RT: 3.97 min Scan# 958

Delta R.T. 0.00 min

Lab File: VV007299.D

Acq: 31 Aug 2018 14:33

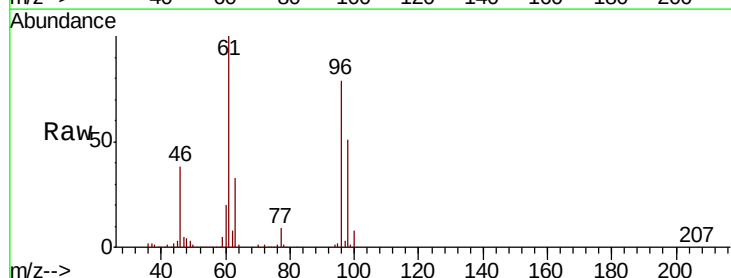
Tgt Ion: 96 Resp: 469730

Ion Ratio Lower Upper

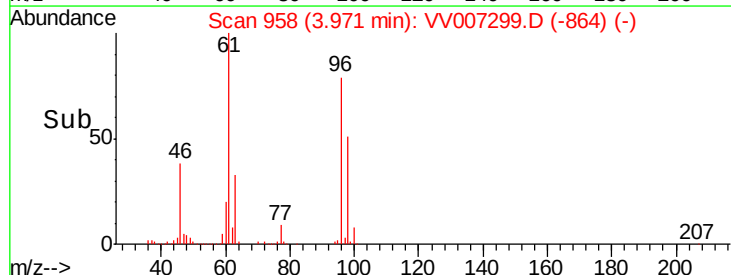
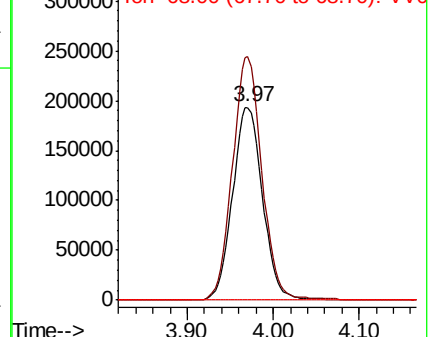
96 100

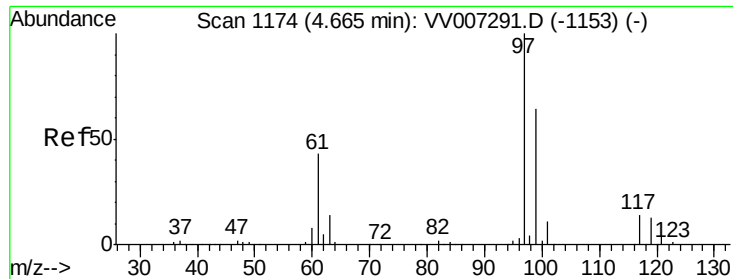
61 126.1 88.4 164.2

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

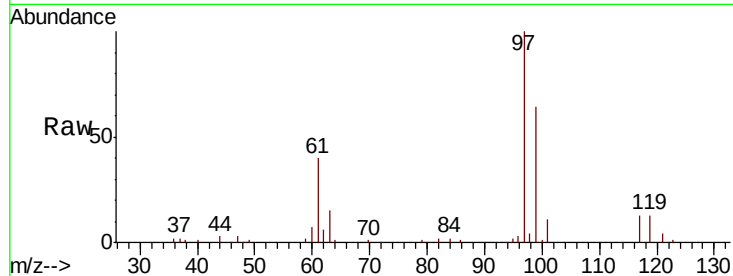




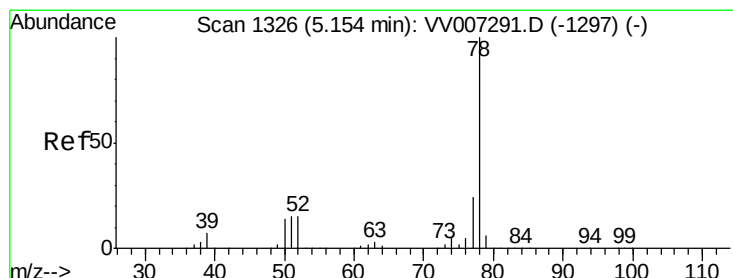
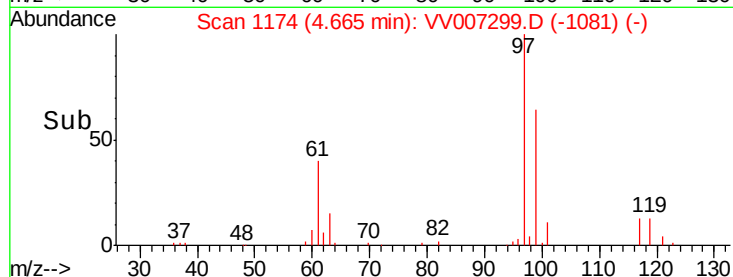
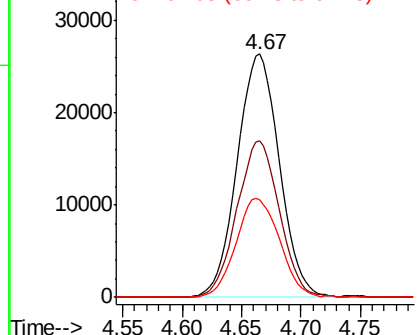
#30
 1,1,1-Trichloroethane
 Concen: 9.70 ug/L
 RT: 4.67 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VV007299.D
 Acq: 31 Aug 2018 14:33

Instrument :
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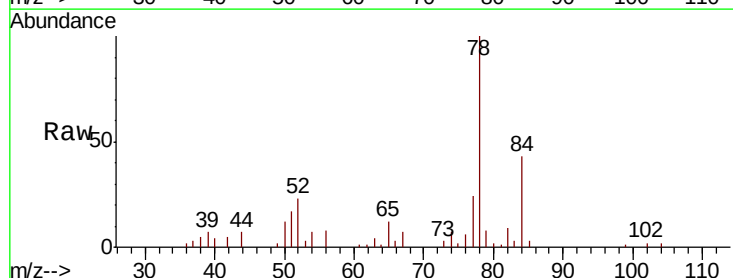
Tot Ion: 97 Resp: 64796
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.4 77.0
 61 41.9 34.6 51.8



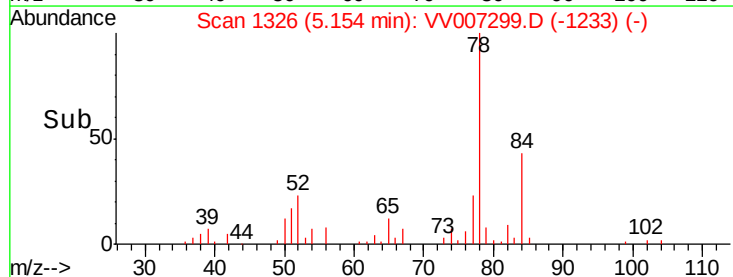
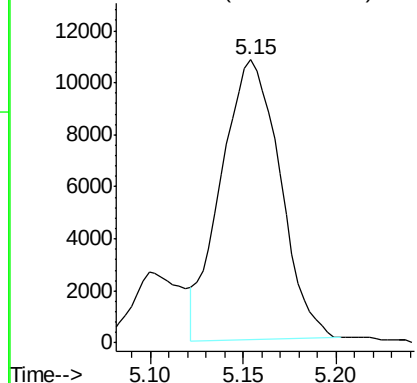
Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0

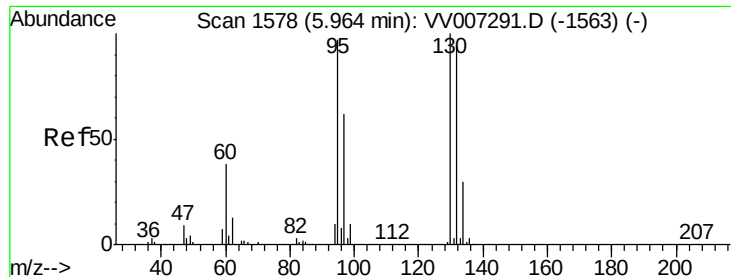


#33
 Benzene
 Concen: 1.34 ug/L
 RT: 5.15 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VV007299.D
 Acq: 31 Aug 2018 14:33
 Tgt Ion: 78 Resp: 23789



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 256.17 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV007299.D

Acq: 31 Aug 2018 14:33

Instrument :

MSVOA_V

ClientSampleId :

E0AA6

Tot Ion: 95 Resp: 1103142

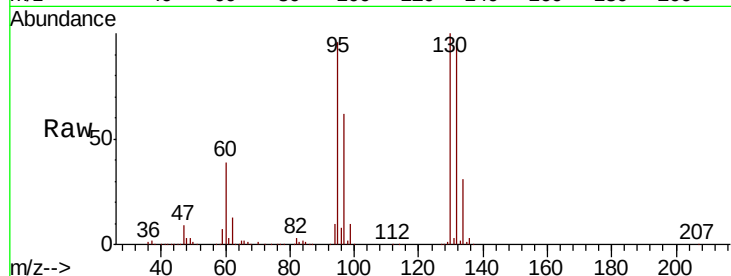
Ion Ratio Lower Upper

95 100

97 64.4 45.1 83.9

132 99.6 68.3 126.9

130 104.4 72.4 134.5

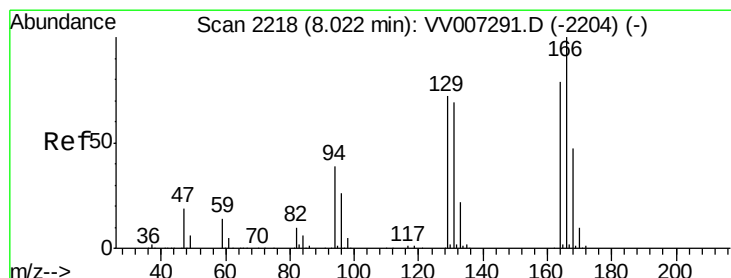
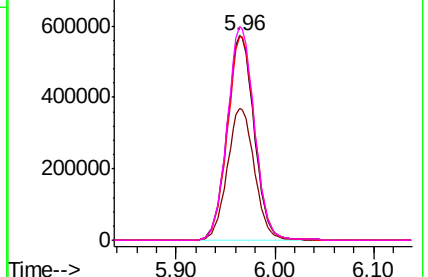
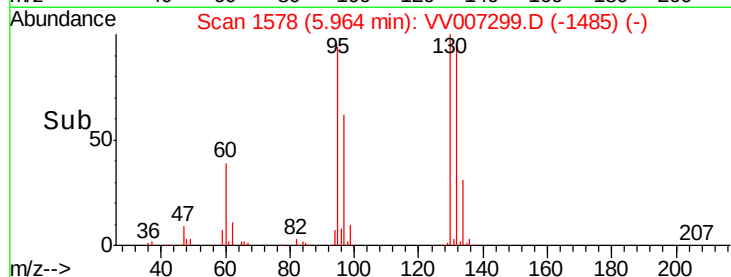


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 137.57 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VV007299.D

Acq: 31 Aug 2018 14:33

Tgt Ion:164 Resp: 496636

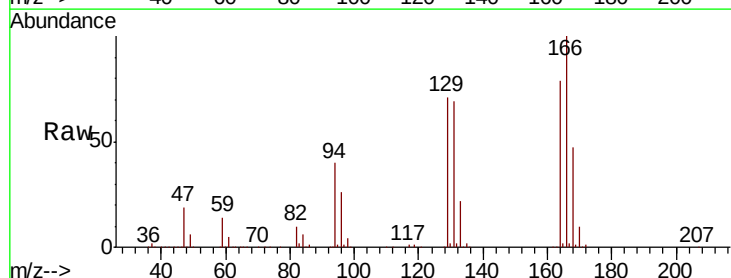
Ion Ratio Lower Upper

164 100

129 89.7 64.5 119.7

131 87.4 61.2 113.8

166 127.1 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

