

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092818\
 Data File : VV007984.D
 Acq On : 29 Sep 2018 05:29
 Operator : SY/MD
 Sample : J5159-08
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAC94

Quant Time: Oct 01 04:58:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 01 04:55:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	85099	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	81308	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	38942	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	16671	3.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.00%
7) Chloroethane-d5	1.59	69	17250	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.60%
11) 1,1-Dichloroethene-d2	2.14	63	34766	3.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.40%
20) 2-Butanone-d5	3.97	46	66473	48.44	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.88%
24) Chloroform-d	4.41	84	45974	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
26) 1,2-Dichloroethane-d4	5.09	65	25788	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
32) Benzene-d6	5.10	84	85585	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	6.12	67	28894	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.80%
41) Toluene-d8	7.36	98	78242	3.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.20%
43) trans-1,3-Dichloropropene-	7.67	79	8589	3.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.40%
46) 2-Hexanone-d5	8.14	63	47175	45.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.22%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	21751	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	33805	4.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.60%

Target Compounds

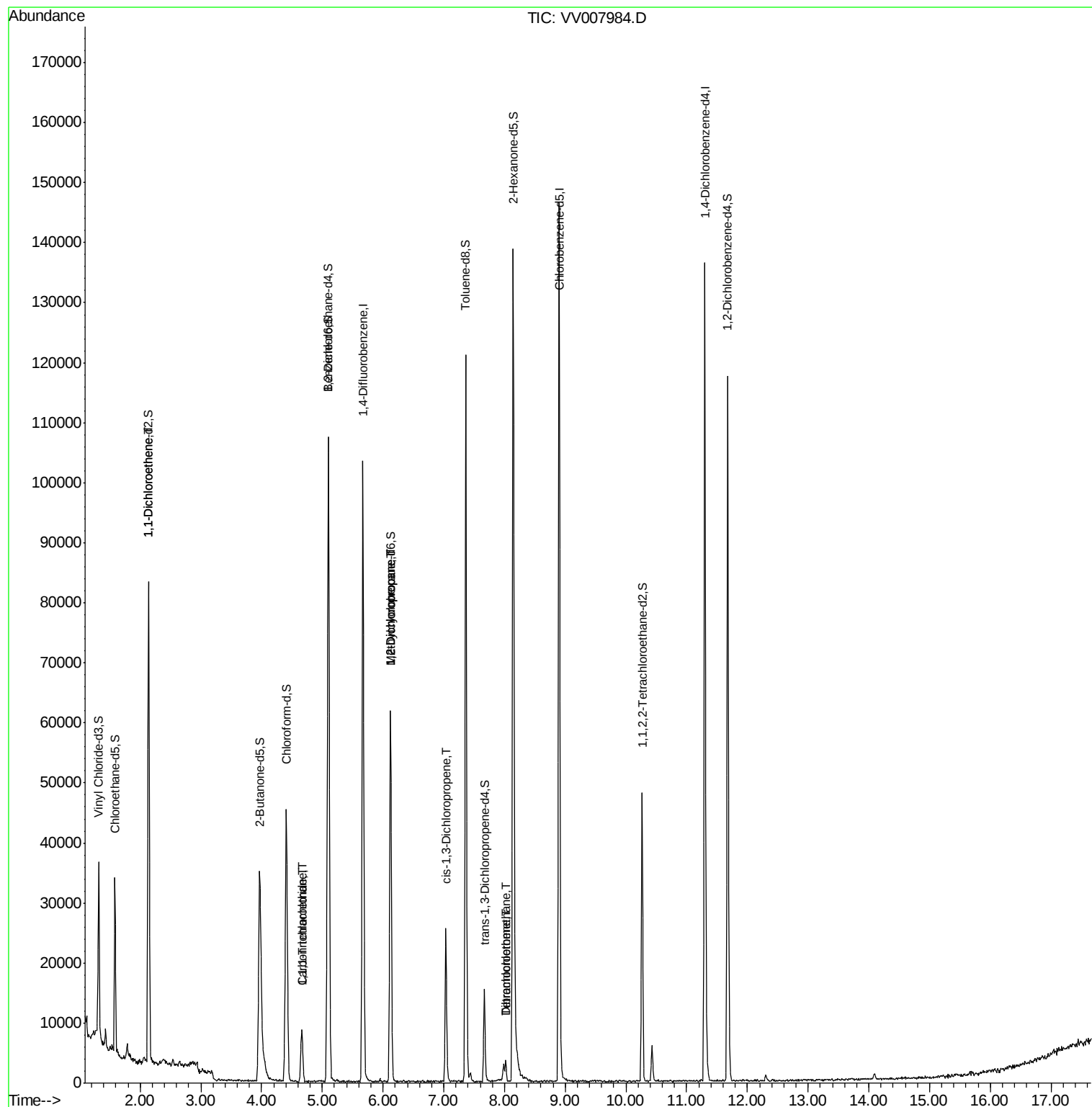
					Ovalue
12) 1,1-Dichloroethene	2.15	96	11425	2.031 ug/L #	66
29) 1,1,1-Trichloroethane	4.66	97	6879	0.704 ug/L	99
31) Carbon tetrachloride	4.67	117	863	0.100 ug/L	94
35) Methylcyclohexane	6.13	83	6861	0.686 ug/L #	18
37) 1,2-Dichloropropane	6.13	63	3361	0.565 ug/L #	87
39) cis-1,3-Dichloropropene	7.04	75	587	0.074 ug/L #	55
47) Tetrachloroethene	8.02	164	806	0.130 ug/L	95
49) Dibromochloromethane	8.02	129	703	0.143 ug/L #	12

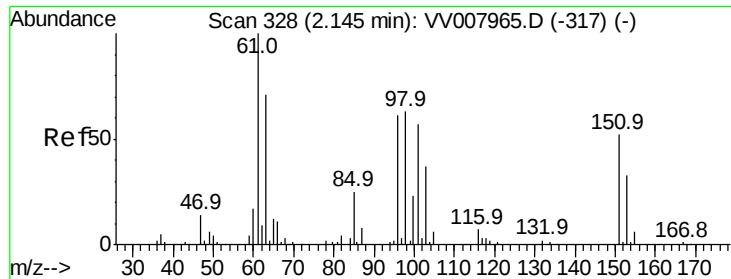
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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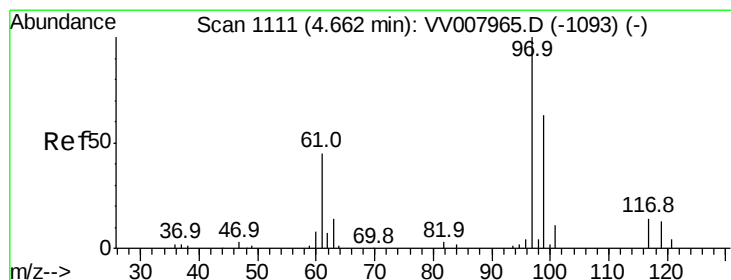
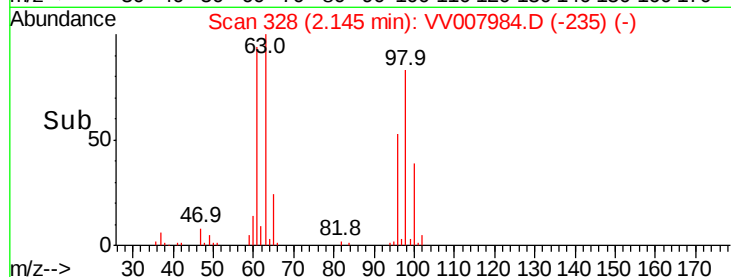
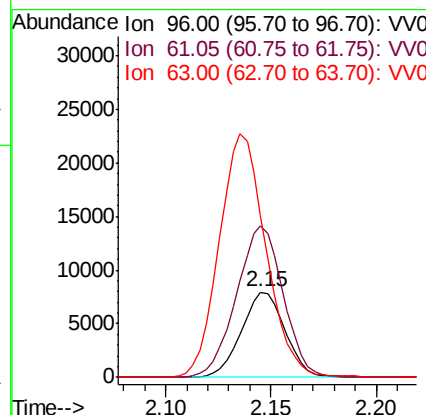
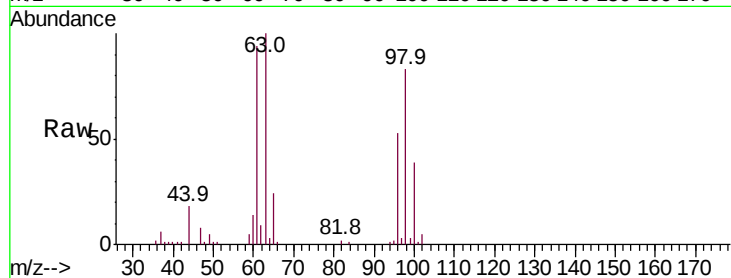




#12
 1,1-Dichloroethene
 Concen: 2.031 ug/L
 RT: 2.15 min Scan# 328
 Delta R.T. 0.00 min
 Lab File: VV007984.D
 Acq: 29 Sep 2018 05:29

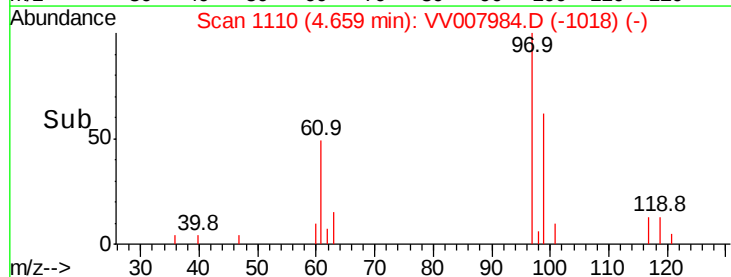
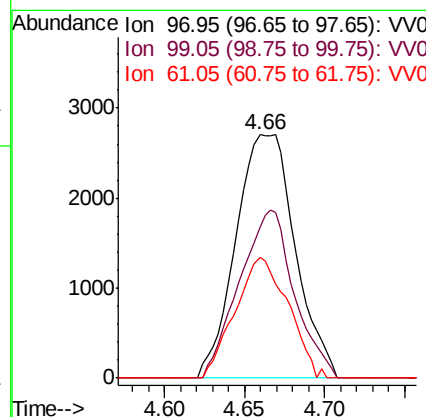
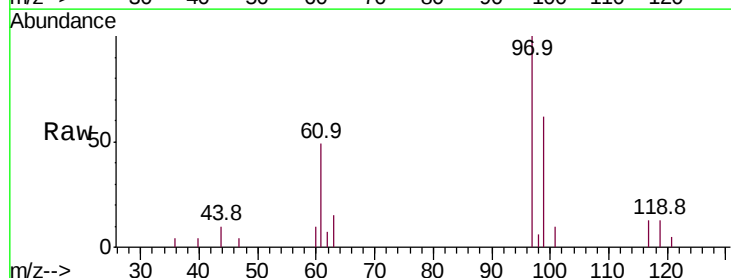
Instrument :
 MSVOA_V
 ClientSampleId :
 GAC94

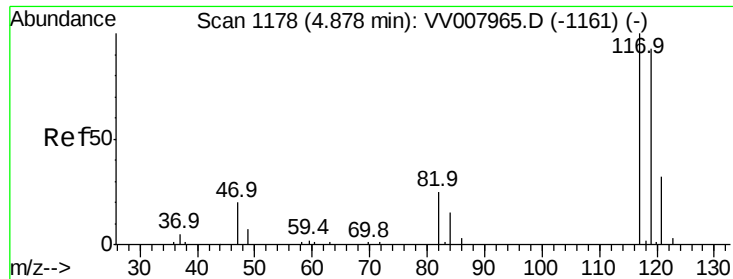
Tot Ion: 96 Resp: 11425
 Ion Ratio Lower Upper
 96 100
 61 177.2 114.1 211.9
 63 189.5 81.5 151.3#



#29
 1,1,1-Trichloroethane
 Concen: 0.704 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VV007984.D
 Acq: 29 Sep 2018 05:29

Tgt Ion: 97 Resp: 6879
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.2 76.8
 61 44.2 34.6 52.0





#31

Carbon tetrachloride

Concen: 0.100 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. -0.21 min

Lab File: VV007984.D

Acq: 29 Sep 2018 05:29

Instrument :

MSVOA_V

ClientSampled :

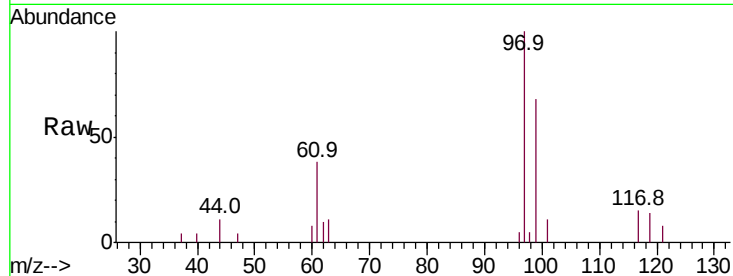
GAC94

Tot Ion:117 Resp: 863

Ion Ratio Lower Upper

117 100

119 102.9 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.67

400

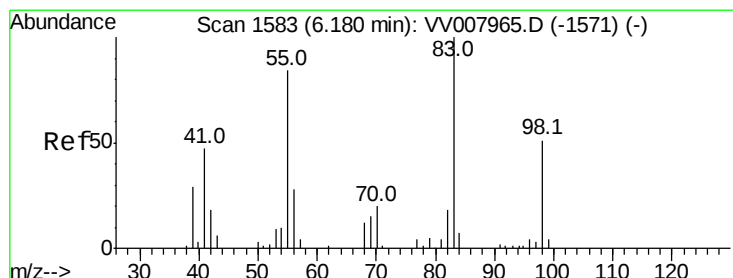
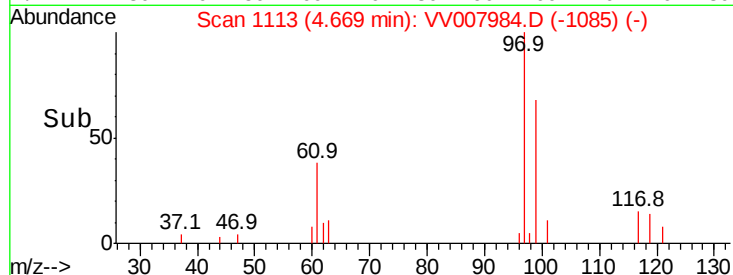
300

200

100

0

Time--> 4.60 4.65 4.70



#35

Methylcyclohexane

Concen: 0.686 ug/L

RT: 6.13 min Scan# 1566

Delta R.T. -0.05 min

Lab File: VV007984.D

Acq: 29 Sep 2018 05:29

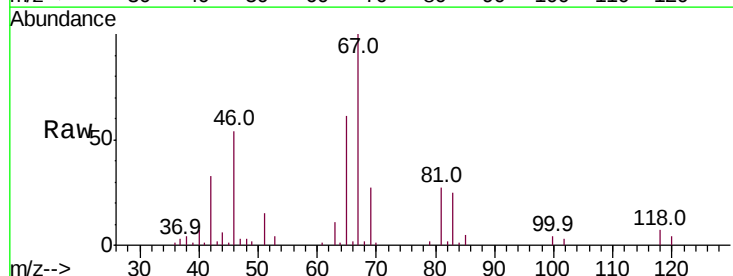
Tgt Ion: 83 Resp: 6861

Ion Ratio Lower Upper

83 100

55 0.0 62.2 93.2#

98 0.0 38.0 57.0#



Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

5000

4000

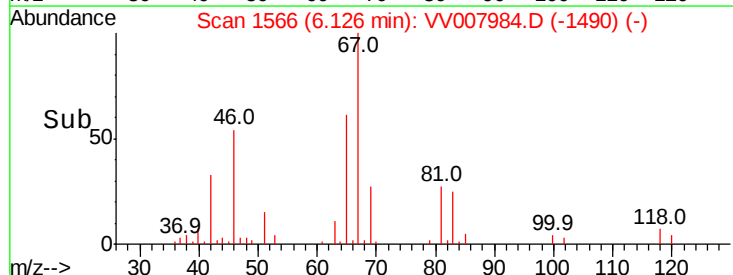
3000

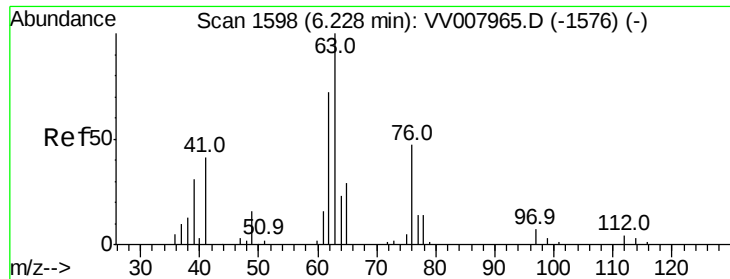
2000

1000

0

Time--> 6.05 6.10 6.15 6.20





#37

1,2-Dichloropropane

Concen: 0.565 ug/L

RT: 6.13 min Scan# 1566

Delta R.T. -0.10 min

Lab File: VV007984.D

Acq: 29 Sep 2018 05:29

Instrument :

MSVOA_V

ClientSampled :

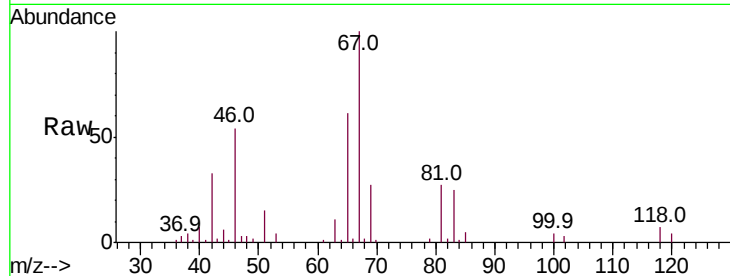
GAC94

Tot Ion: 63 Resp: 3361

Ion Ratio Lower Upper

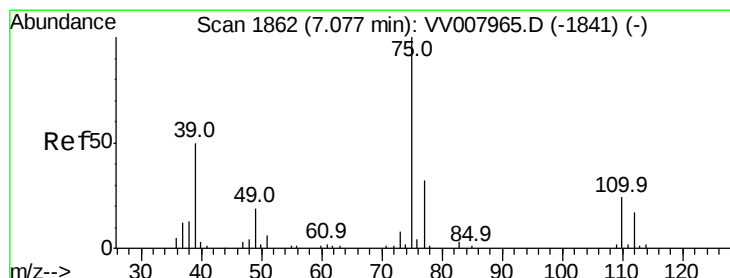
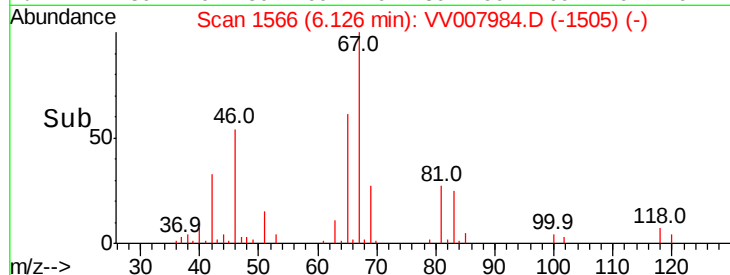
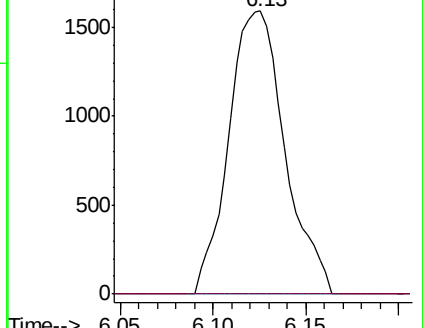
63 100

112 0.0 3.4 5.0#



Abundance Ion 63.10 (62.80 to 63.80): VV007965.D (-1576) (-)

Ion 112.10 (111.80 to 112.80): VV007965.D (-1576) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.074 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. -0.04 min

Lab File: VV007984.D

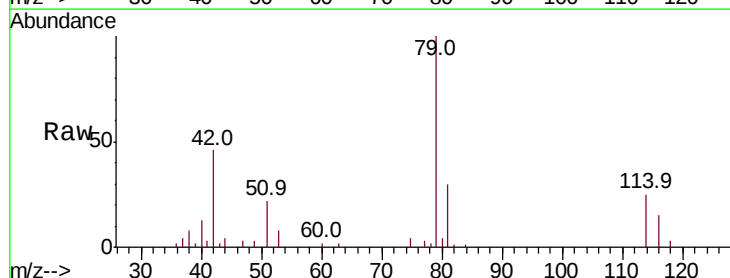
Acq: 29 Sep 2018 05:29

Tgt Ion: 75 Resp: 587

Ion Ratio Lower Upper

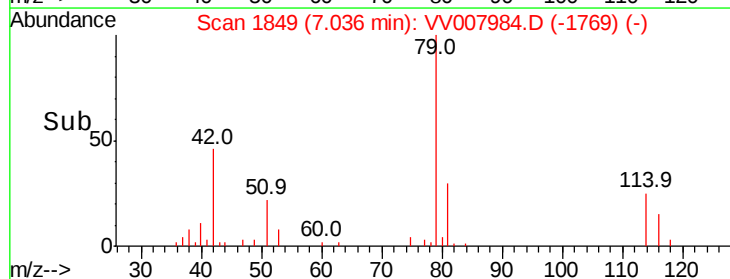
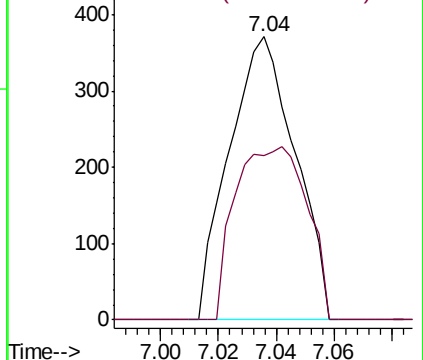
75 100

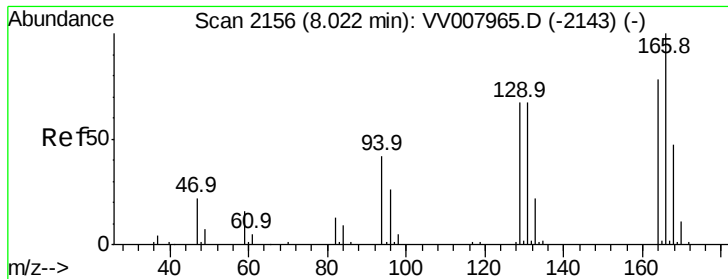
77 58.0 22.9 42.5#



Abundance Ion 75.05 (74.75 to 75.75): VV007965.D (-1841) (-)

Ion 77.05 (76.75 to 77.75): VV007965.D (-1841) (-)





#47

Tetrachloroethene

Concen: 0.130 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV007984.D

Acq: 29 Sep 2018 05:29

Instrument :

MSVOA_V

ClientSampleId :

GAC94

Tot Ion:164 Resp: 806

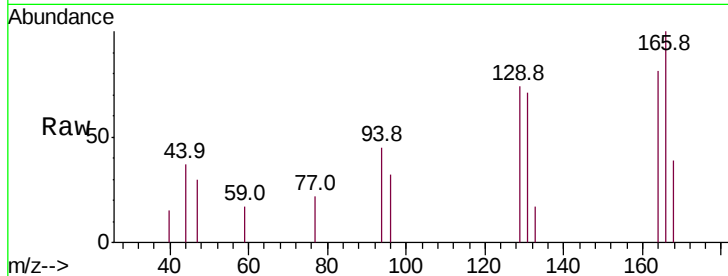
Ion Ratio Lower Upper

164 100

129 91.6 59.2 110.0

131 87.8 57.1 106.1

166 124.2 88.6 164.6

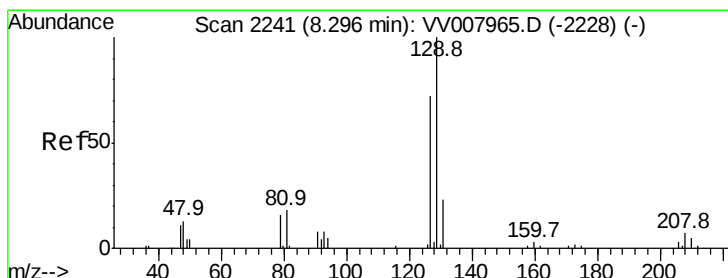
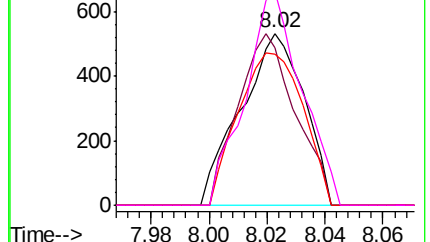
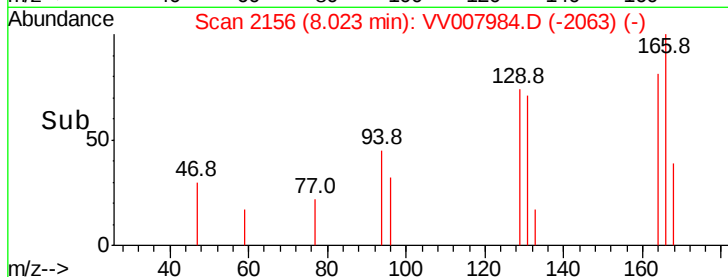


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#49

Dibromochloromethane

Concen: 0.143 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.28 min

Lab File: VV007984.D

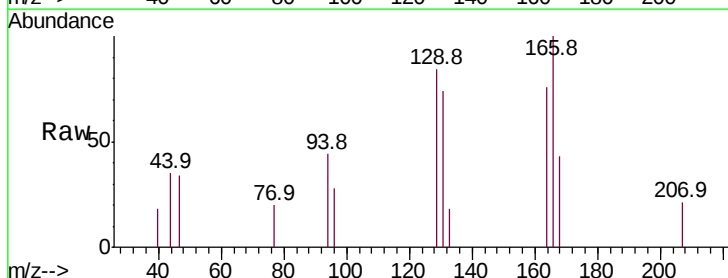
Acq: 29 Sep 2018 05:29

Tgt Ion:129 Resp: 703

Ion Ratio Lower Upper

129 100

127 0.0 53.1 98.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

