

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR092618\
 Data File : VR025862.D
 Acq On : 26 Sep 2018 14:24
 Operator : SY/MD
 Sample : J5011-11DL 40X
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 BE9G1DL

Quant Time: Sep 27 08:16:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092118WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 27 07:50:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	391919	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	313647	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/L	-13.22

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	102164	3.64	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.80%
7) Chloroethane-d5	2.63	69	97060	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.00%
11) 1,1-Dichloroethene-d2	3.64	63	218856	3.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.40%
20) 2-Butanone-d5	6.59	46	191718	51.25	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.50%
24) Chloroform-d	7.20	84	224931	3.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.40%
26) 1,2-Dichloroethane-d4	7.89	65	105183	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
32) Benzene-d6	7.85	84	465848	4.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.00%
36) 1,2-Dichloropropane-d6	8.90	67	136817	4.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.20%
41) Toluene-d8	9.97	98	397898	3.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.00%
43) trans-1,3-Dichloropropene-	10.24	79	26372	3.00	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	60.00%
46) 2-Hexanone-d5	10.59	63	140541	47.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.78%
57) 1,1,1,2,2-Tetrachloroethane-	12.36	84	42023	3.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	69.60%
64) 1,2-Dichlorobenzene-d4	0.00	152	0	0.00	ug/L	
Spiked Amount	5.000	Range	80 - 120	Recovery	=	0.00%#

Target Compounds

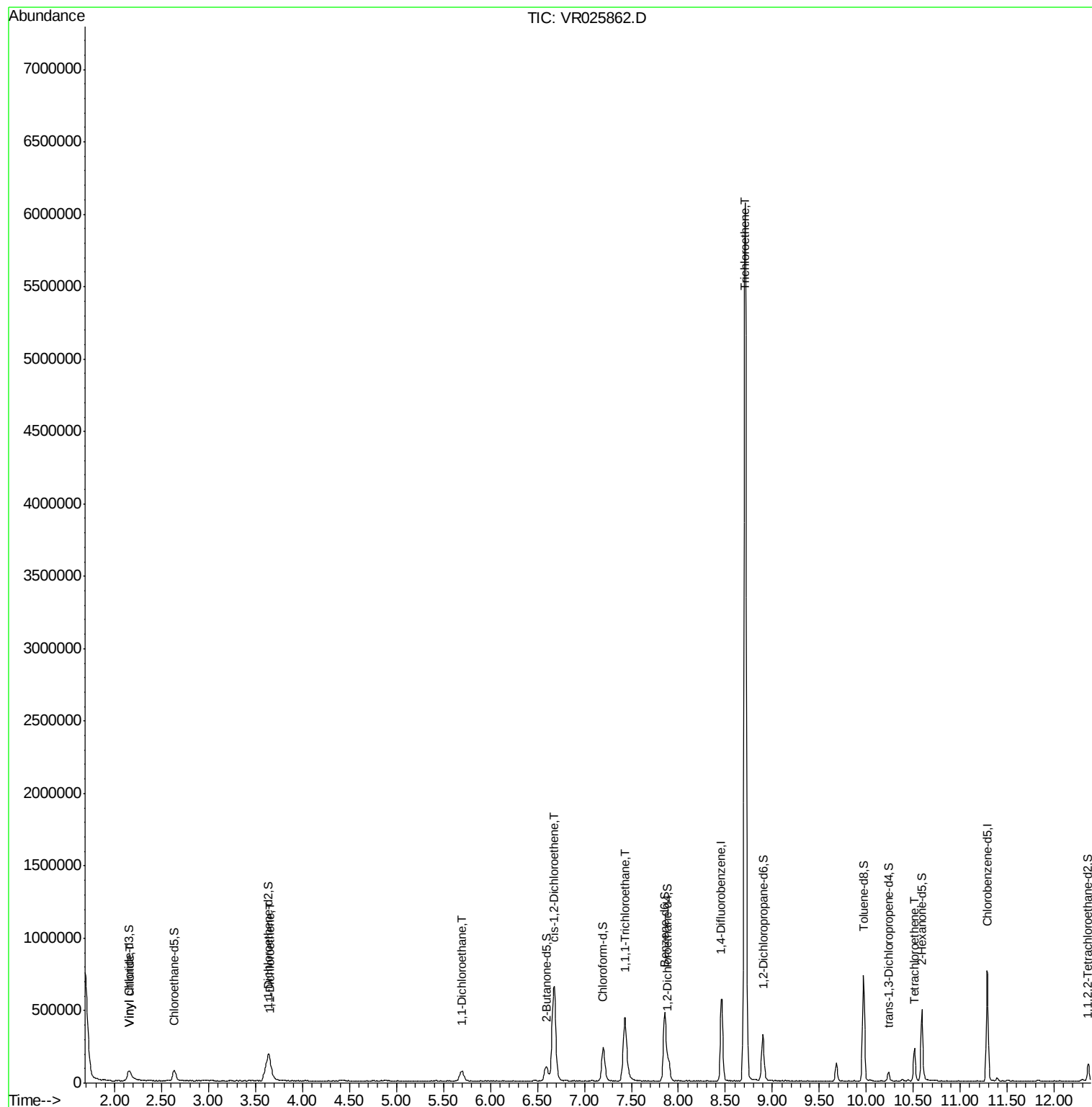
					Ovalue
5) Vinyl chloride	2.17	62	43156	1.025 ug/L	97
12) 1,1-Dichloroethene	3.66	96	38951	1.152 ug/L #	45
19) 1,1-Dichloroethane	5.69	63	106079	1.356 ug/L	93
22) cis-1,2-Dichloroethene	6.67	96	343551	8.917 ug/L #	89
29) 1,1,1-Trichloroethane	7.43	97	363973	5.746 ug/L	96
34) Trichloroethene	8.71	95	1957280	44.788 ug/L	93
47) Tetrachloroethene	10.51	164	32935	1.318 ug/L	89

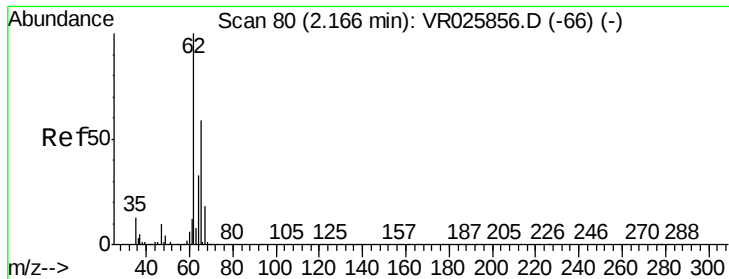
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 27 07:50:08 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.025 ug/L

RT: 2.17 min Scan# 80

Delta R.T. 0.00 min

Lab File: VR025862.D

Acq: 26 Sep 2018 14:24

Instrument :

MSVOA_R

ClientSampleID :

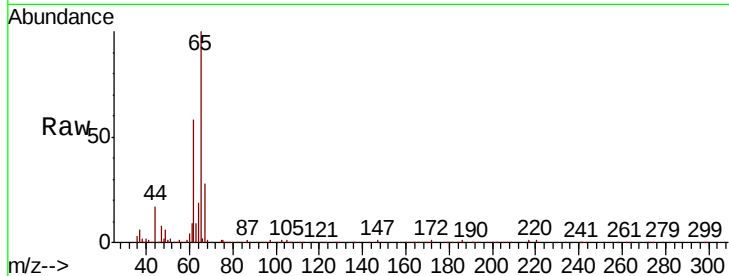
BE9G1DL

Tot Ion: 62 Resp: 43156

Ion Ratio Lower Upper

62 100

64 31.7 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0

15000

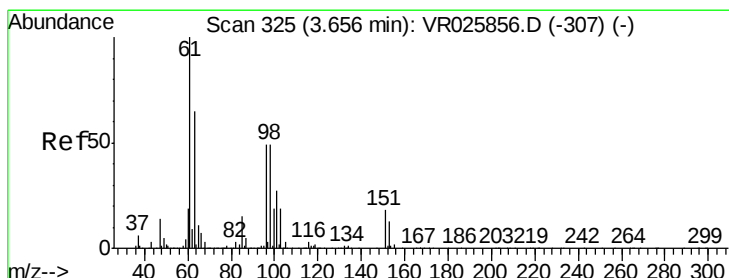
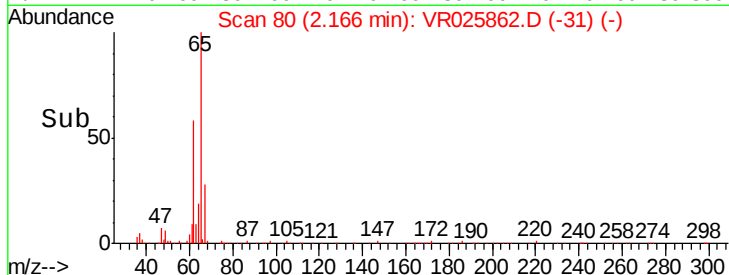
10000

5000

0

2.05 2.10 2.15 2.20 2.25

Time-->



#12

1,1-Dichloroethene

Concen: 1.152 ug/L

RT: 3.66 min Scan# 325

Delta R.T. 0.00 min

Lab File: VR025862.D

Acq: 26 Sep 2018 14:24

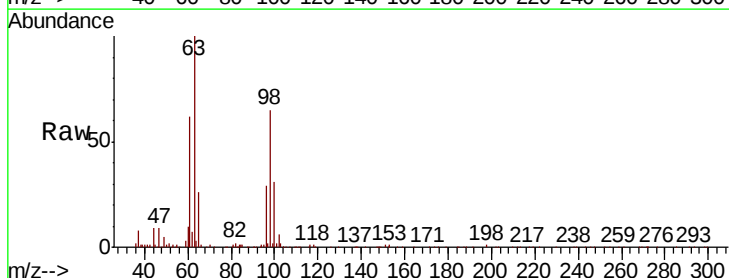
Tgt Ion: 96 Resp: 38951

Ion Ratio Lower Upper

96 100

61 210.5 145.0 269.4

63 341.4 123.8 230.0#



Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0

80000

60000

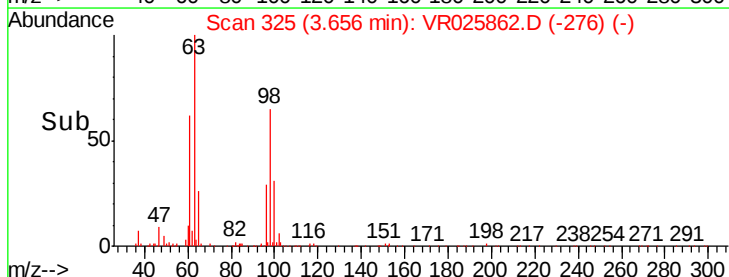
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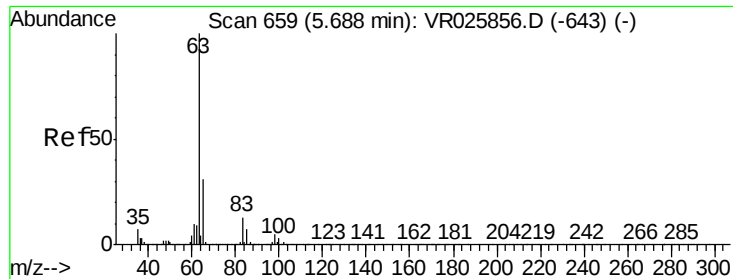
20000

0

3.50 3.60 3.70

Time-->

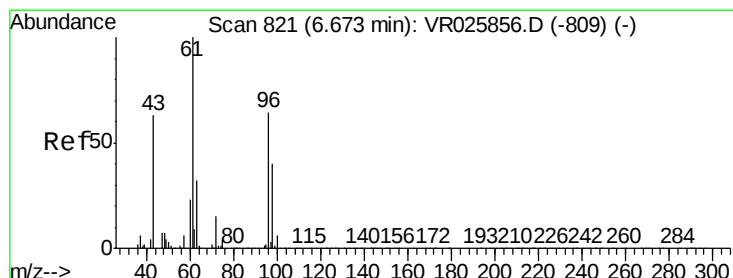
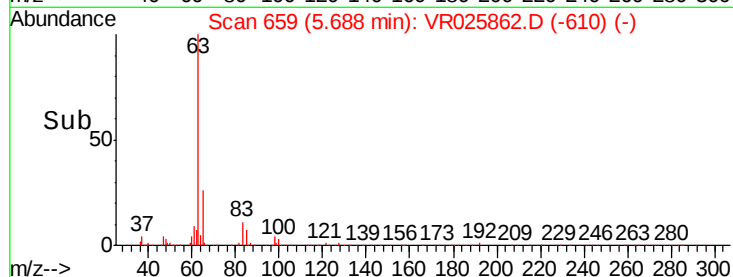
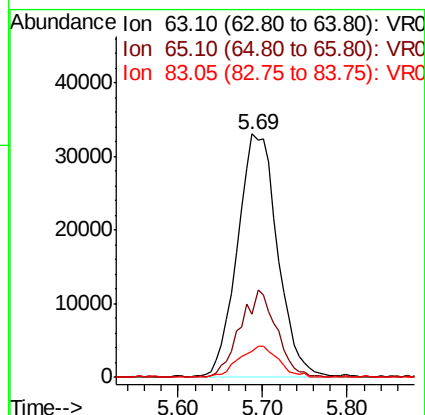
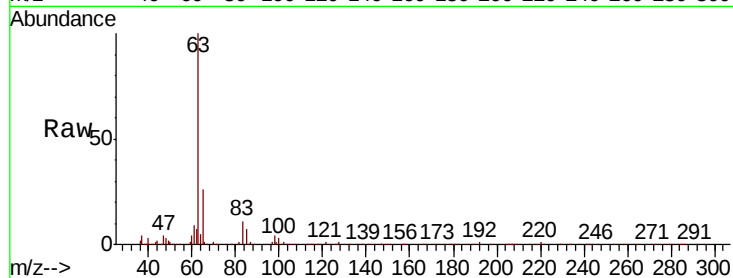




#19
 1,1-Dichloroethane
 Concen: 1.356 ug/L
 RT: 5.69 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VR025862.D
 Acq: 26 Sep 2018 14:24

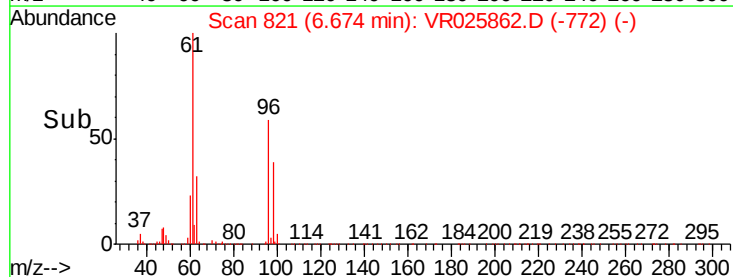
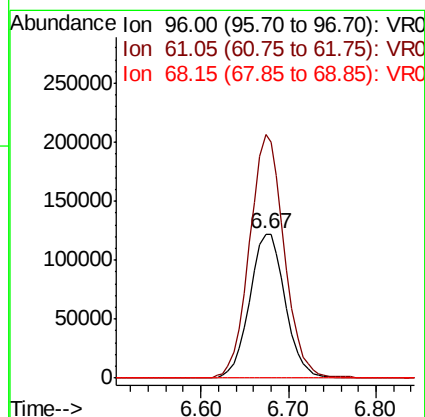
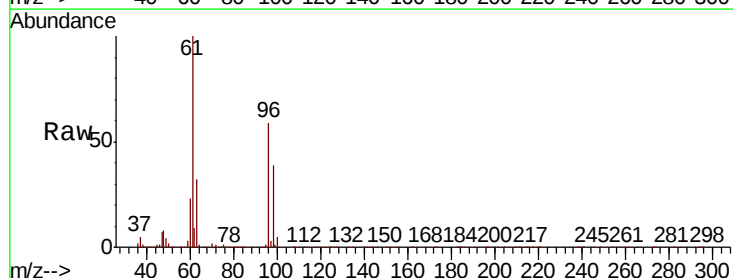
Instrument :
 MSVOA_R
 ClientSampleId :
 BE9G1DL

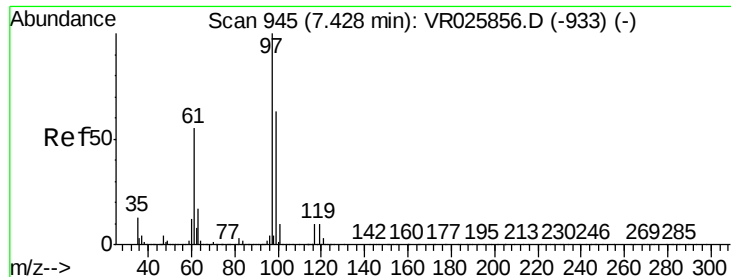
Tot Ion	Ratio	Lower	Upper
63	100		
65	25.7	21.1	39.1
83	10.8	8.9	16.5



#22
 cis-1,2-Dichloroethene
 Concen: 8.917 ug/L
 RT: 6.67 min Scan# 821
 Delta R.T. 0.00 min
 Lab File: VR025862.D
 Acq: 26 Sep 2018 14:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.3	108.7	201.9
68	0.0	0.1	0.1#





#29

1,1,1-Trichloroethane

Concen: 5.746 ug/L

RT: 7.43 min Scan# 946

Delta R.T. 0.01 min

Lab File: VR025862.D

Acq: 26 Sep 2018 14:24

Instrument :

MSVOA_R

ClientSampleId :

BE9G1DL

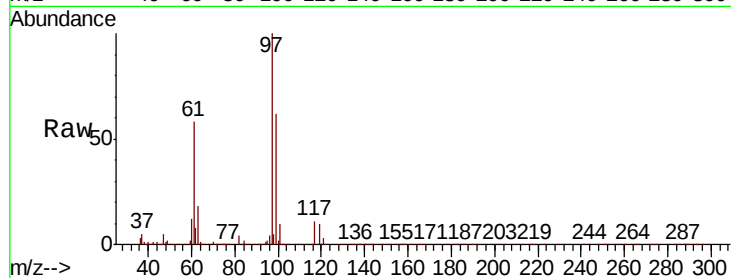
Tot Ion: 97 Resp: 363973

Ion Ratio Lower Upper

97 100

99 63.5 51.0 76.6

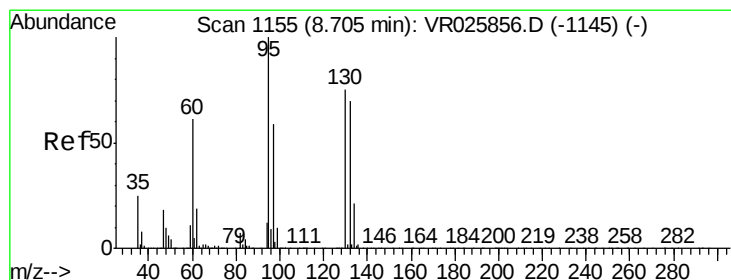
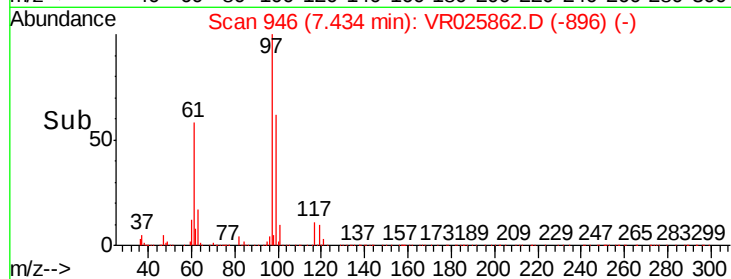
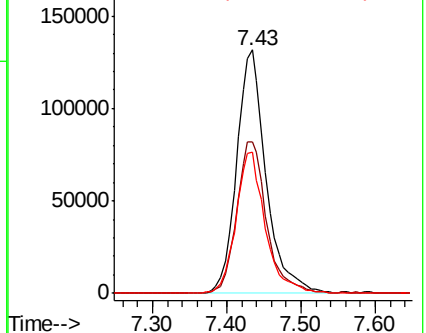
61 57.8 41.6 62.4



Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 61.05 (60.75 to 61.75): VR0



#34

Trichloroethene

Concen: 44.788 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.01 min

Lab File: VR025862.D

Acq: 26 Sep 2018 14:24

Tgt Ion: 95 Resp: 1957280

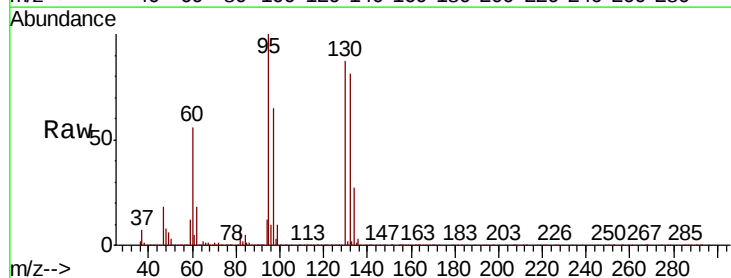
Ion Ratio Lower Upper

95 100

97 65.2 43.9 81.5

132 81.0 53.3 98.9

130 86.9 53.8 99.8

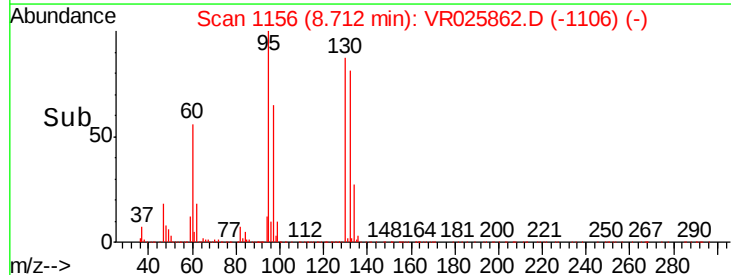
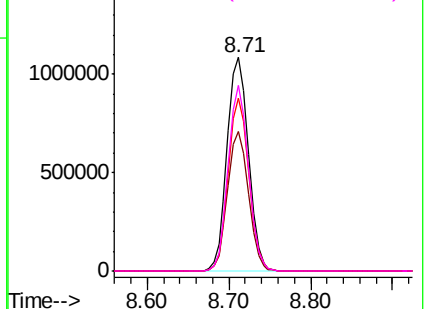


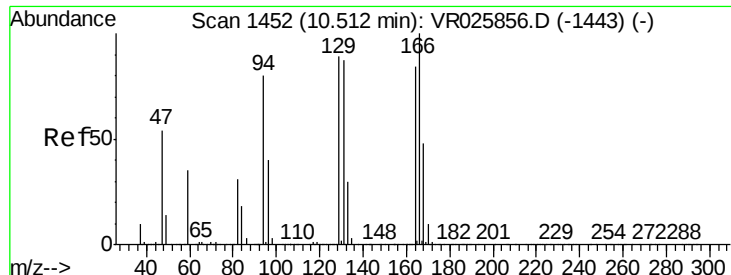
Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#47

Tetrachloroethene

Concen: 1.318 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VR025862.D

Acq: 26 Sep 2018 14:24

Instrument :

MSVOA_R

ClientSampleId :

BE9G1DL

Tot Ion:164 Resp: 32935

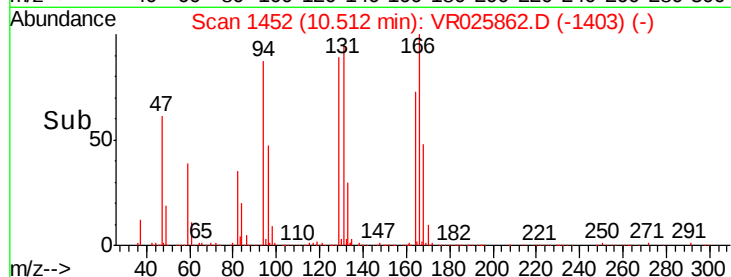
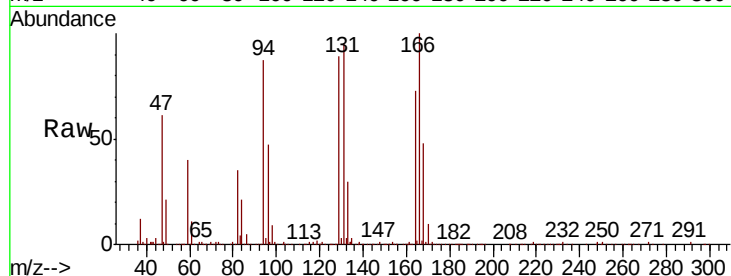
Ion Ratio Lower Upper

164 100

129 122.8 80.8 150.2

131 131.6 74.5 138.3

166 137.8 92.5 171.7



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

