

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR092618\
 Data File : VR025863.D
 Acq On : 26 Sep 2018 15:00
 Operator : SY/MD
 Sample : J5011-11D2 200X
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Sep 27 07:51:21 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	380877	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	307135	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	100980	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	86449	3.17	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	63.40%
7) Chloroethane-d5	2.63	69	77747	3.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.60%
11) 1,1-Dichloroethene-d2	3.63	63	156018	2.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	47.20%#
20) 2-Butanone-d5	6.59	46	150557	41.41	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.82%
24) Chloroform-d	7.20	84	182770	3.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	63.80%#
26) 1,2-Dichloroethane-d4	7.90	65	82883	3.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	67.20%#
32) Benzene-d6	7.85	84	352885	3.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	62.00%#
36) 1,2-Dichloropropane-d6	8.90	67	110690	3.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	71.20%
41) Toluene-d8	9.97	98	295666	2.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	57.60%#
43) trans-1,3-Dichloropropene-	10.24	79	19570	2.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	45.40%#
46) 2-Hexanone-d5	10.59	63	107666	37.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	74.92%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	42839	3.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	72.40%
64) 1,2-Dichlorobenzene-d4	13.51	152	54463	3.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	63.00%#

Target Compounds

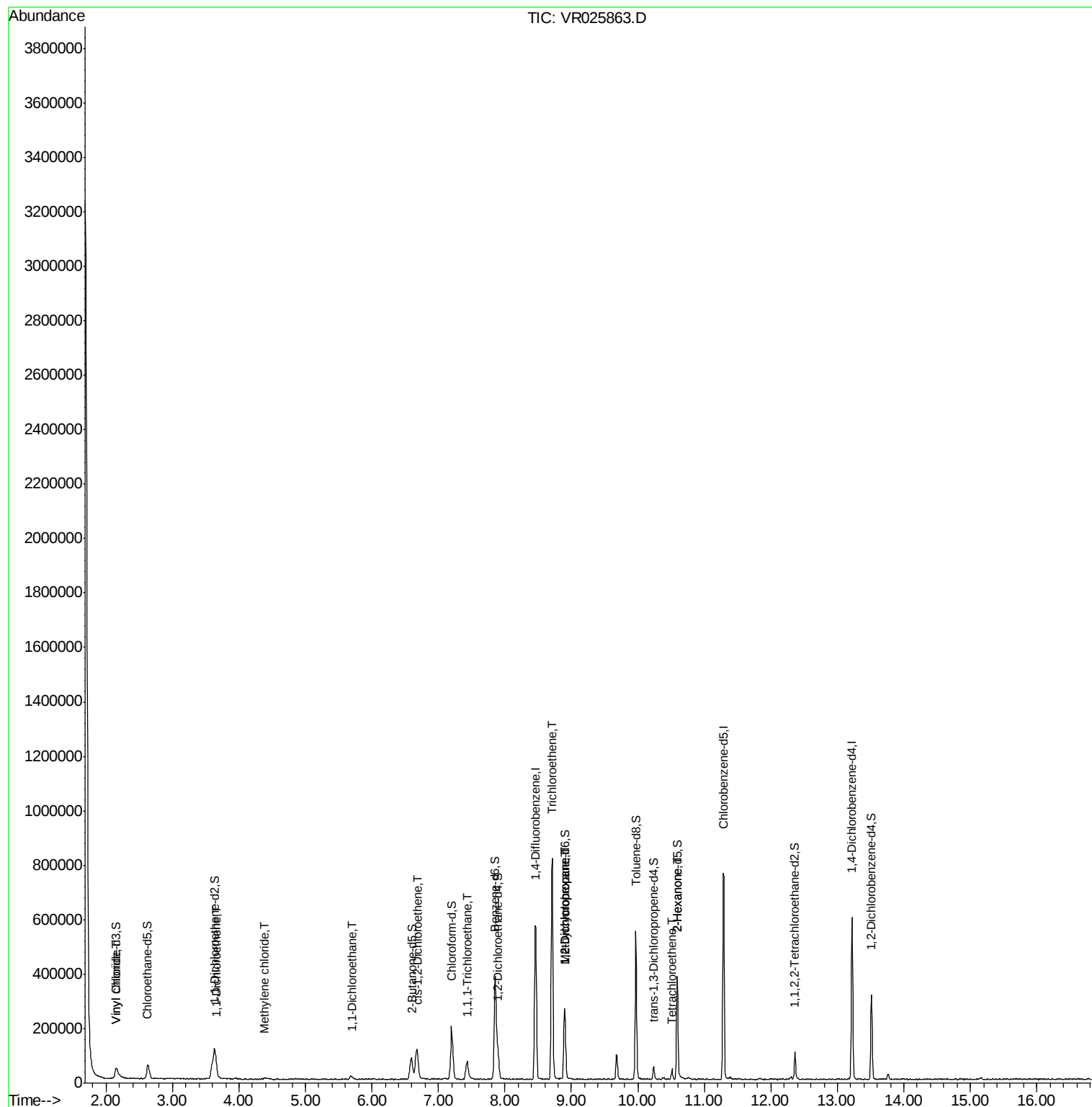
					Ovalue
5) Vinyl chloride	2.16	62	6523	0.159 ug/L #	77
12) 1,1-Dichloroethene	3.66	96	3501	0.107 ug/L #	1
16) Methylene chloride	4.38	84	2973	0.101 ug/L #	73
19) 1,1-Dichloroethane	5.70	63	17622	0.232 ug/L	91
22) cis-1,2-Dichloroethene	6.67	96	54802	1.464 ug/L #	96
29) 1,1,1-Trichloroethane	7.43	97	56420	0.910 ug/L	95
34) Trichloroethene	8.71	95	267744	6.257 ug/L	97
35) Methylcyclohexane	8.90	83	25076	0.357 ug/L #	16
37) 1,2-Dichloropropane	8.89	63	13306	0.370 ug/L #	94
47) Tetrachloroethene	10.51	164	6298	0.257 ug/L	81
48) 2-Hexanone	10.59	43	17075	2.074 ug/L #	70

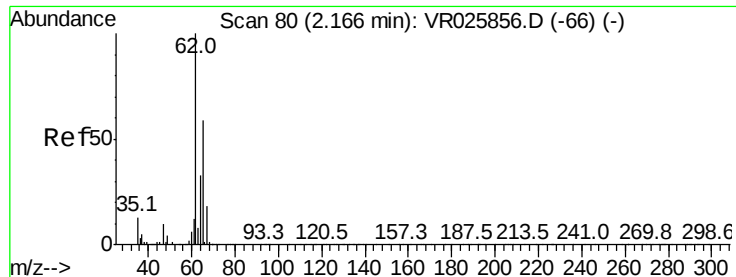
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.159 ug/L

RT: 2.16 min Scan# 79

Delta R.T. -0.01 min

Lab File: VR025863.D

Acq: 26 Sep 2018 15:00

Instrument :

MSVOA_R

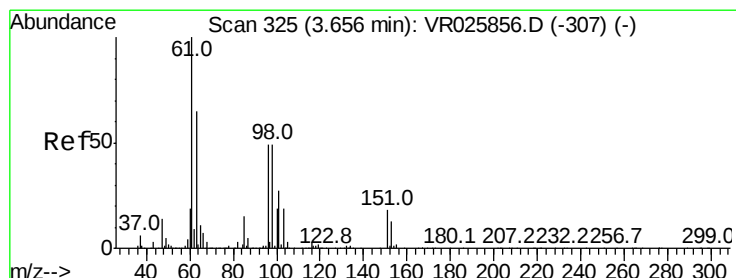
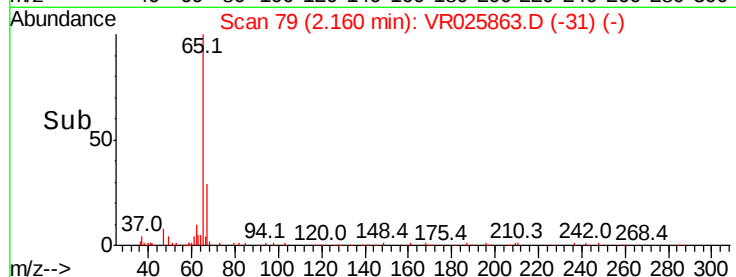
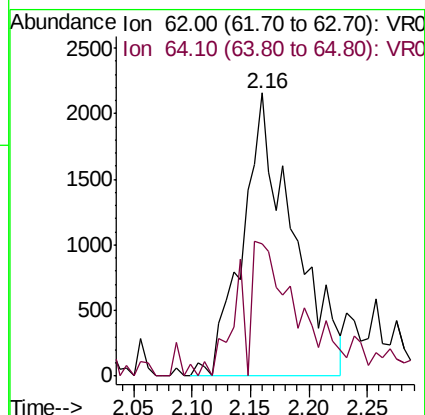
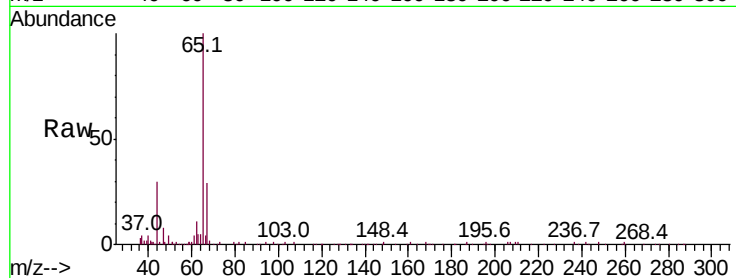
ClientSampled :

Tot Ion: 62 Resp: 6523

Ion Ratio Lower Upper

62 100

64 46.6 23.5 43.7#



#12

1,1-Dichloroethene

Concen: 0.107 ug/L

RT: 3.66 min Scan# 326

Delta R.T. 0.01 min

Lab File: VR025863.D

Acq: 26 Sep 2018 15:00

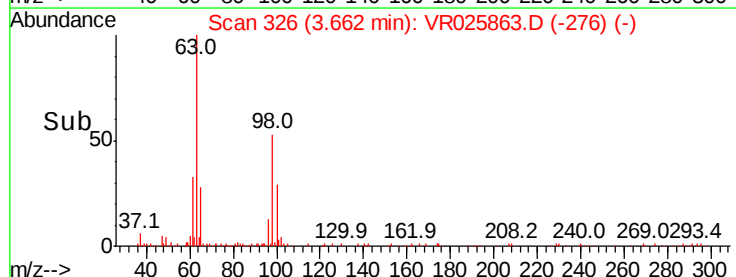
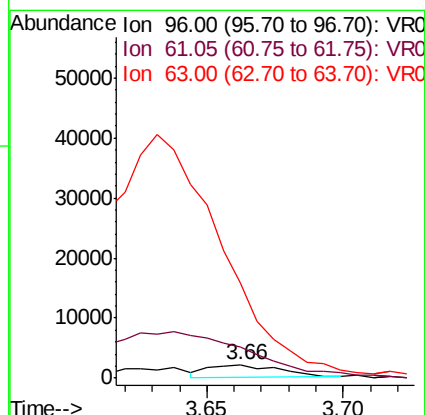
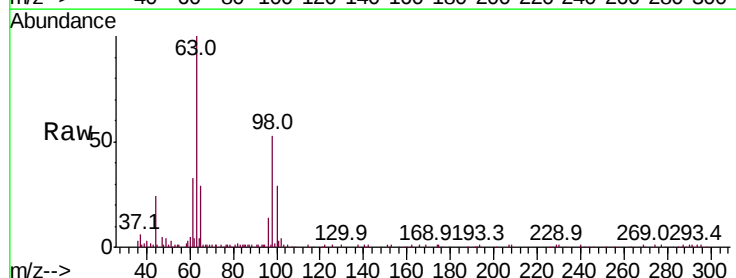
Tgt Ion: 96 Resp: 3501

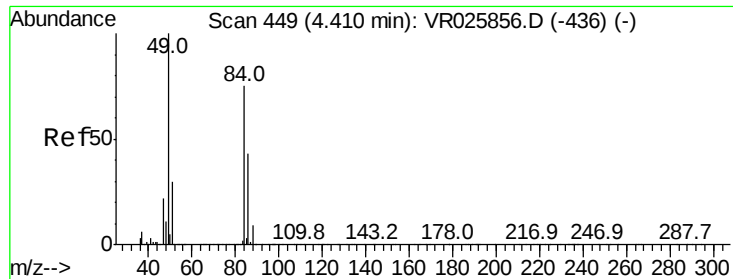
Ion Ratio Lower Upper

96 100

61 233.0 145.0 269.4

63 714.3 123.8 230.0#





#16

Methvlene chloride

Concen: 0.101 ug/L

RT: 4.38 min Scan# 444

Delta R.T. -0.03 min

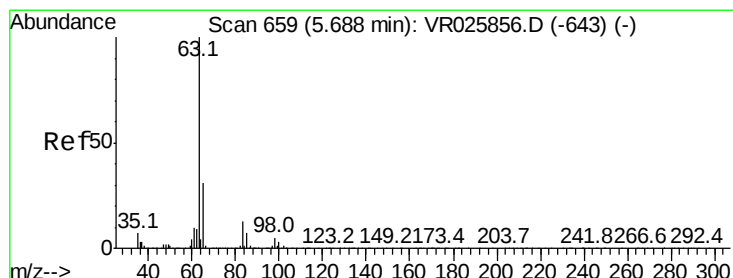
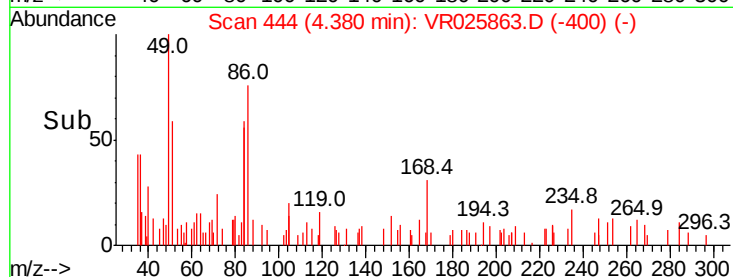
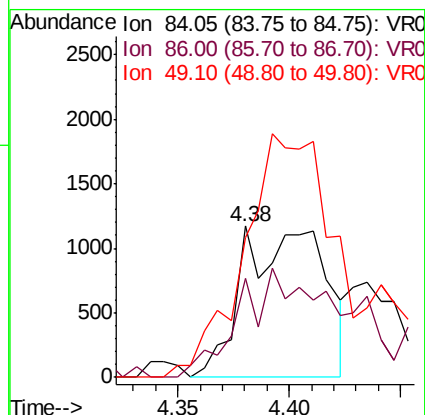
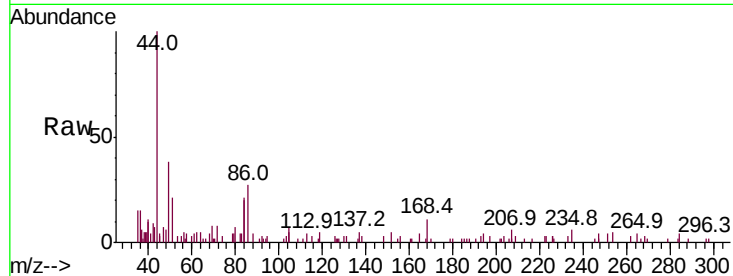
Lab File: VR025863.D

Acq: 26 Sep 2018 15:00

Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 84 Resp: 2973

Ion	Ratio	Lower	Upper
84	100		
86	65.7	43.1	80.1
49	92.5	95.5	177.3#



#19

1,1-Dichloroethane

Concen: 0.232 ug/L

RT: 5.70 min Scan# 661

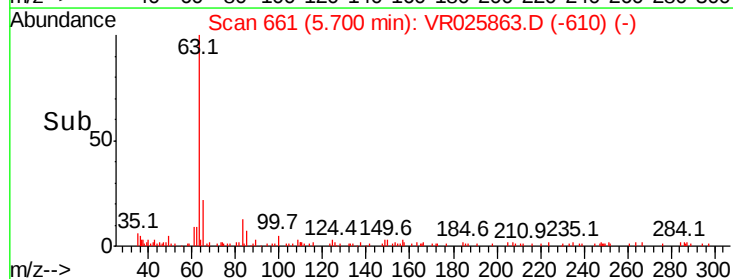
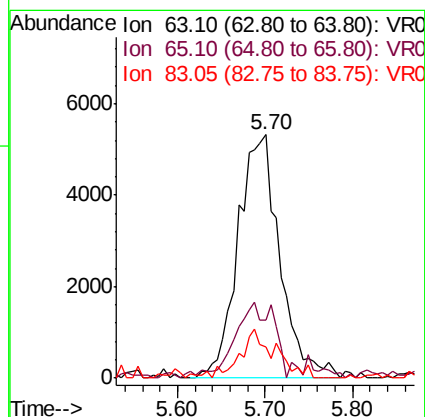
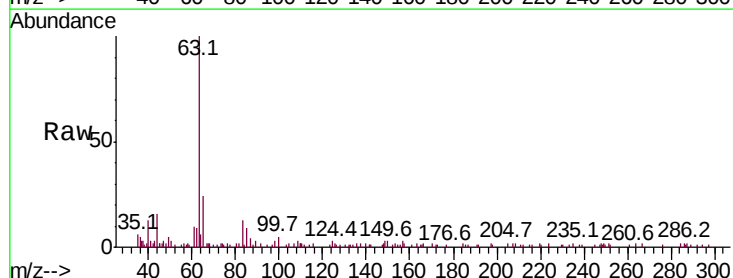
Delta R.T. 0.01 min

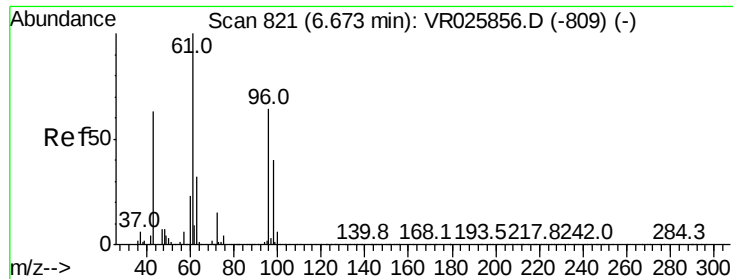
Lab File: VR025863.D

Acq: 26 Sep 2018 15:00

Tgt Ion: 63 Resp: 17622

Ion	Ratio	Lower	Upper
63	100		
65	23.6	21.1	39.1
83	12.5	8.9	16.5



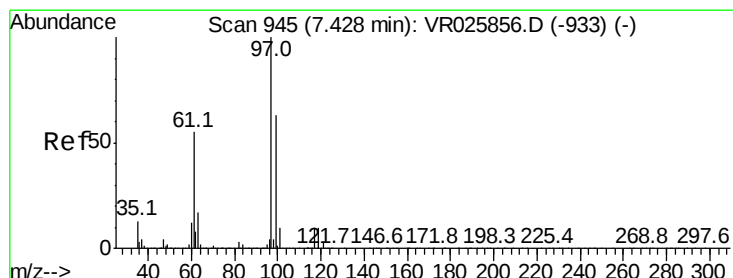
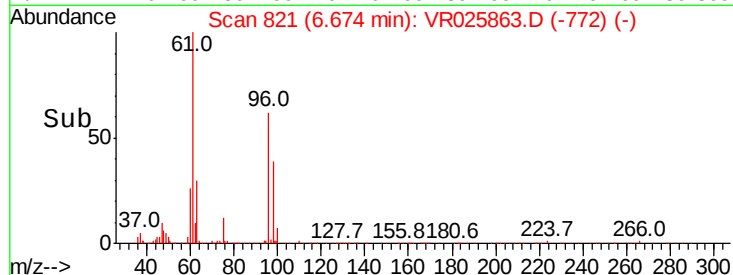
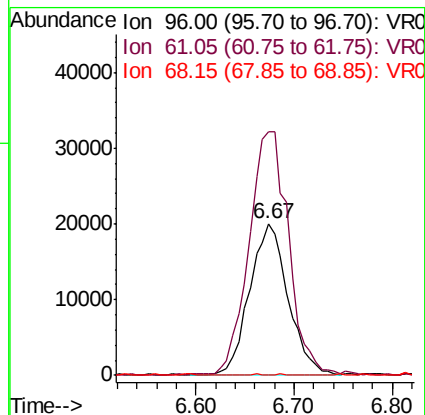
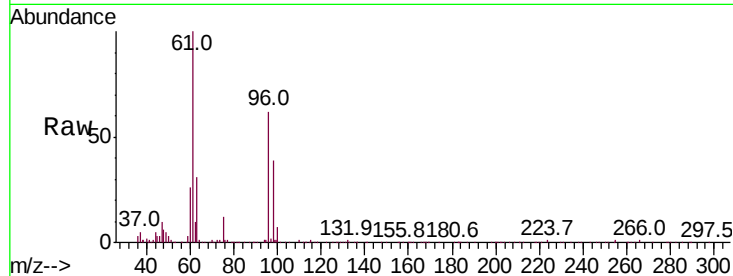


#22

cis-1,2-Dichloroethene
 Concen: 1.464 ug/L
 RT: 6.67 min Scan# 821
 Delta R.T. 0.00 min
 Lab File: VR025863.D
 Acq: 26 Sep 2018 15:00

Instrument :
 MSVOA_R
 ClientSampleId :

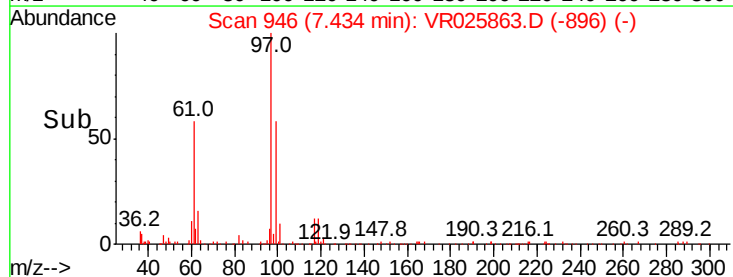
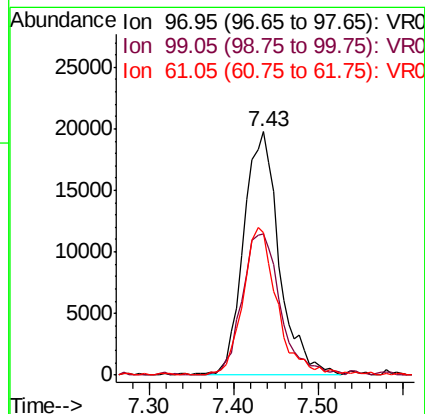
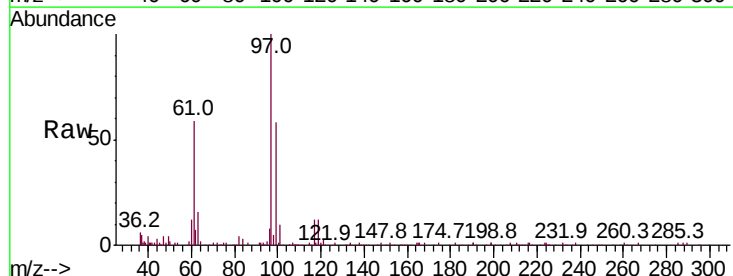
Tot Ion: 96 Resp: 54802
 Ion Ratio Lower Upper
 96 100
 61 160.4 108.7 201.9
 68 0.4 0.1 0.1#

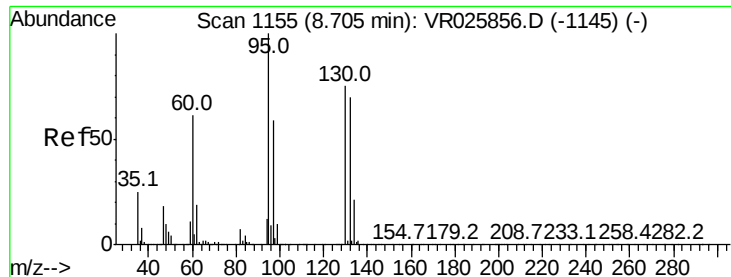


#29

1,1,1-Trichloroethane
 Concen: 0.910 ug/L
 RT: 7.43 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VR025863.D
 Acq: 26 Sep 2018 15:00

Tgt Ion: 97 Resp: 56420
 Ion Ratio Lower Upper
 97 100
 99 62.3 51.0 76.6
 61 58.3 41.6 62.4





#34

Trichloroethene

Concen: 6.257 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.01 min

Lab File: VR025863.D

Acq: 26 Sep 2018 15:00

Instrument :

MSVOA_R

ClientSampleId :

Tot Ion: 95 Resp: 267744

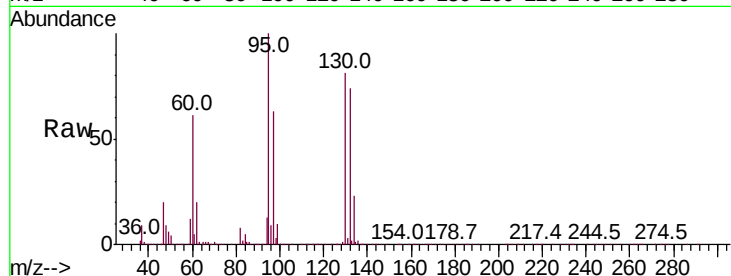
Ion Ratio Lower Upper

95 100

97 63.1 43.9 81.5

132 73.6 53.3 98.9

130 80.9 53.8 99.8

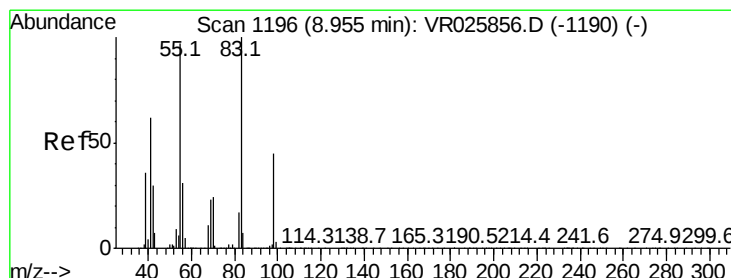
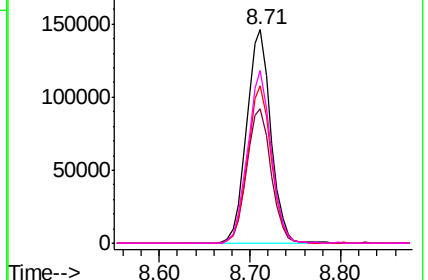
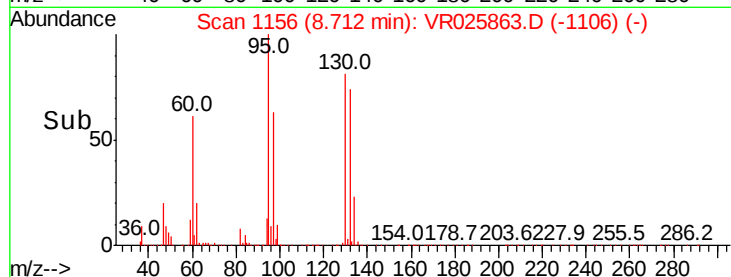


Abundance Ion 95.00 (94.70 to 95.70): VR0

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



#35

Methylcyclohexane

Concen: 0.357 ug/L

RT: 8.90 min Scan# 1187

Delta R.T. -0.05 min

Lab File: VR025863.D

Acq: 26 Sep 2018 15:00

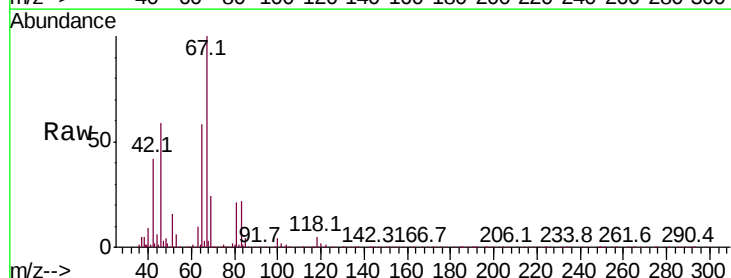
Tgt Ion: 83 Resp: 25076

Ion Ratio Lower Upper

83 100

55 1.7 71.8 107.6#

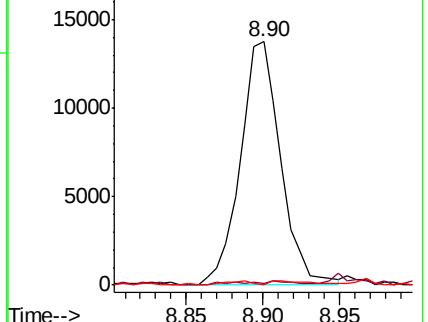
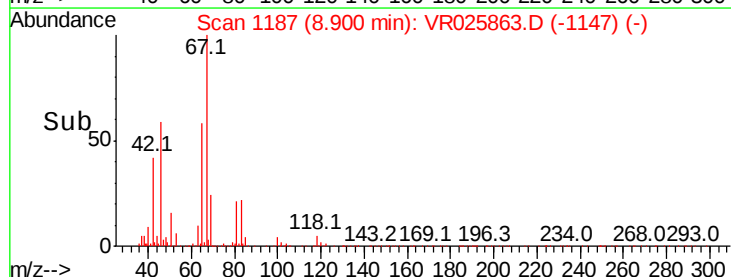
98 1.7 34.2 51.4#

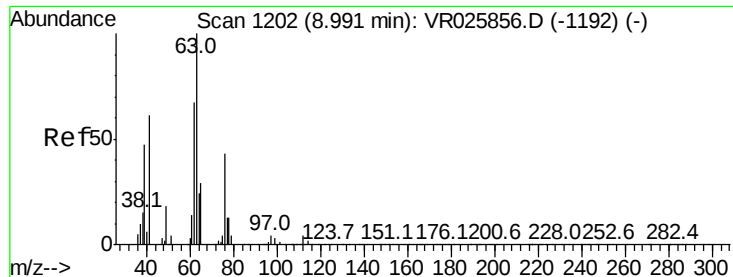


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 0.370 ug/L

RT: 8.89 min Scan# 1186

Delta R.T. -0.10 min

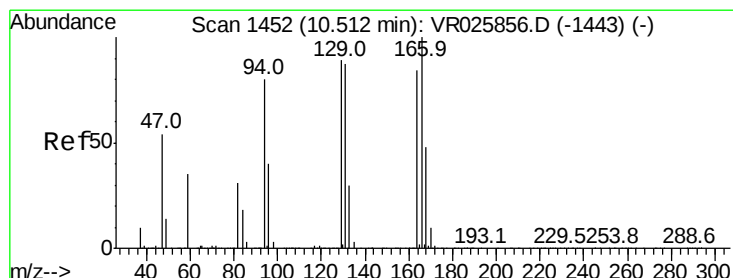
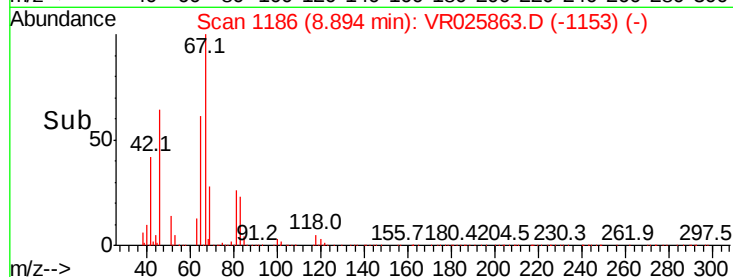
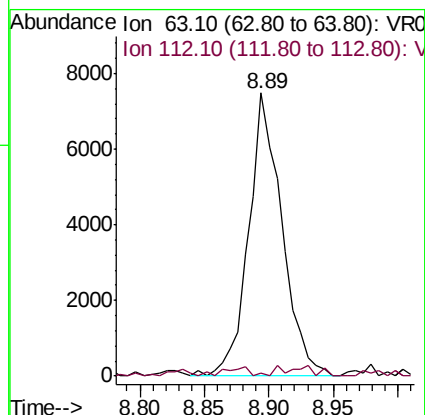
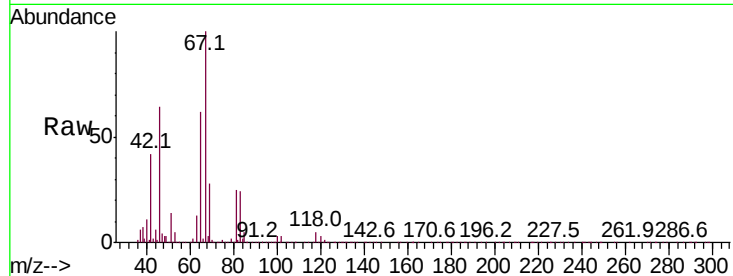
Lab File: VR025863.D

Acq: 26 Sep 2018 15:00

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 63 Resp: 13306

Ion	Ratio	Lower	Upper
63	100		
112	1.0	2.5	3.7#



#47

Tetrachloroethene

Concen: 0.257 ug/L

RT: 10.51 min Scan# 1451

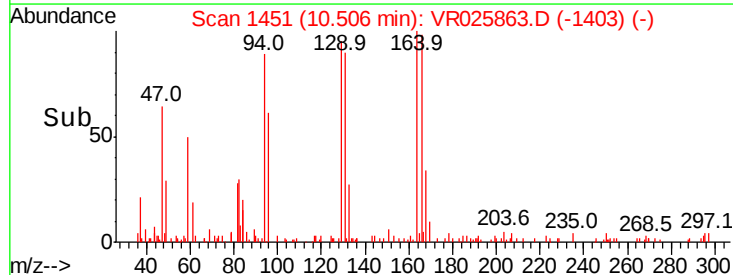
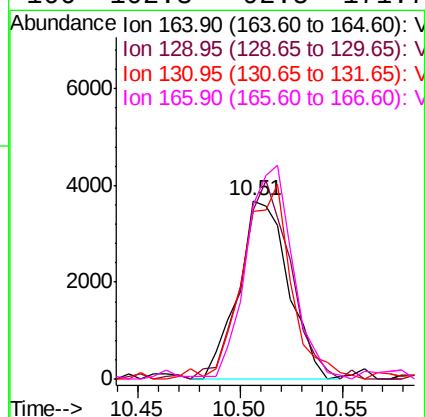
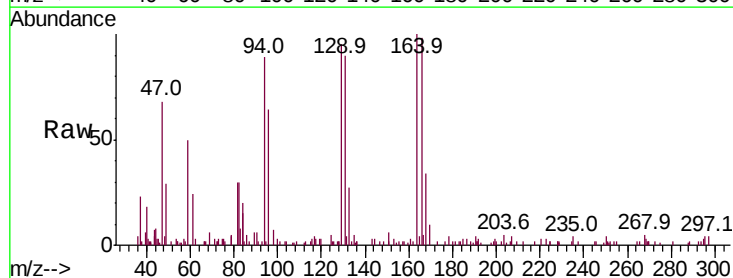
Delta R.T. -0.01 min

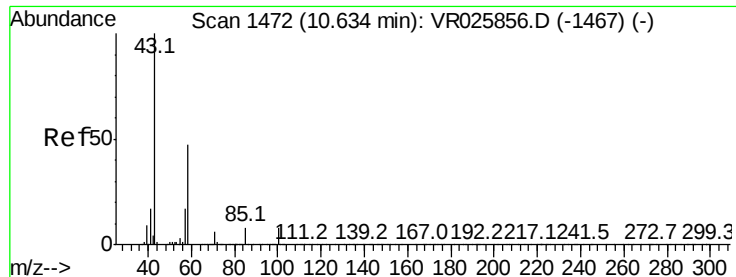
Lab File: VR025863.D

Acq: 26 Sep 2018 15:00

Tgt Ion: 164 Resp: 6298

Ion	Ratio	Lower	Upper
164	100		
129	94.9	80.8	150.2
131	94.2	74.5	138.3
166	102.3	92.5	171.7





#48

2-Hexanone

Concen: 2.074 ug/L

RT: 10.59 min Scan# 1465

Delta R.T. -0.04 min

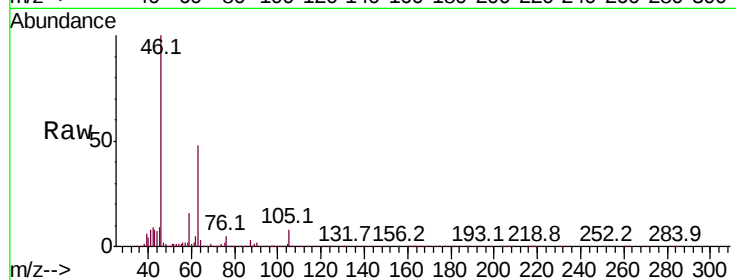
Lab File: VR025863.D

Acq: 26 Sep 2018 15:00

Instrument :

MSVOA_R

ClientSampleId :



Tot Ion: 43 Resp: 17075

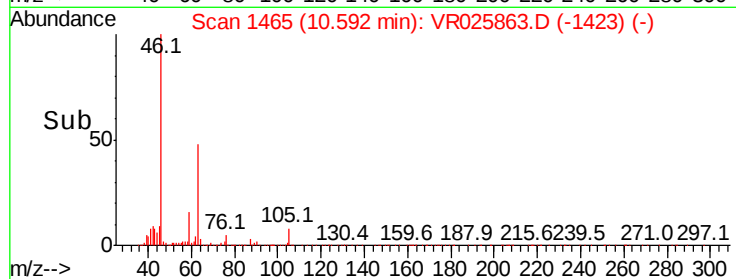
Ion Ratio Lower Upper

43 100

58 25.7 39.5 59.3#

57 27.6 14.6 21.8#

100 1.5 6.7 10.1#



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 57.20 (56.90 to 57.90): VR0

Ion 100.15 (99.85 to 100.85): VR0

