

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071718\
 Data File : VR025491.D
 Acq On : 17 Jul 2018 14:14
 Operator : SY/MD
 Sample : J4002-04 40X
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 C0AG1

Quant Time: Jul 18 01:04:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 18 01:02:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	895613	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	734757	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	275817	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	102677	4.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.20%
7) Chloroethane-d5	2.62	69	82178	3.91	ug/L	-0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.20%
11) 1,1-Dichloroethene-d2	3.63	63	224140	3.00	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.00%
20) 2-Butanone-d5	6.60	46	272944	35.59	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	71.18%
24) Chloroform-d	7.20	84	421337	3.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	69.00%#
26) 1,2-Dichloroethane-d4	7.89	65	169160	3.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.20%
32) Benzene-d6	7.86	84	920468	3.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.80%
36) 1,2-Dichloropropane-d6	8.90	67	257670	3.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	72.20%
41) Toluene-d8	9.97	98	830363	3.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.00%
43) trans-1,3-Dichloropropene-	10.24	79	71487	3.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.60%
46) 2-Hexanone-d5	10.59	63	237407	38.87	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.74%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	107508	3.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	67.40%
64) 1,2-Dichlorobenzene-d4	13.51	152	185698	4.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.60%

Target Compounds

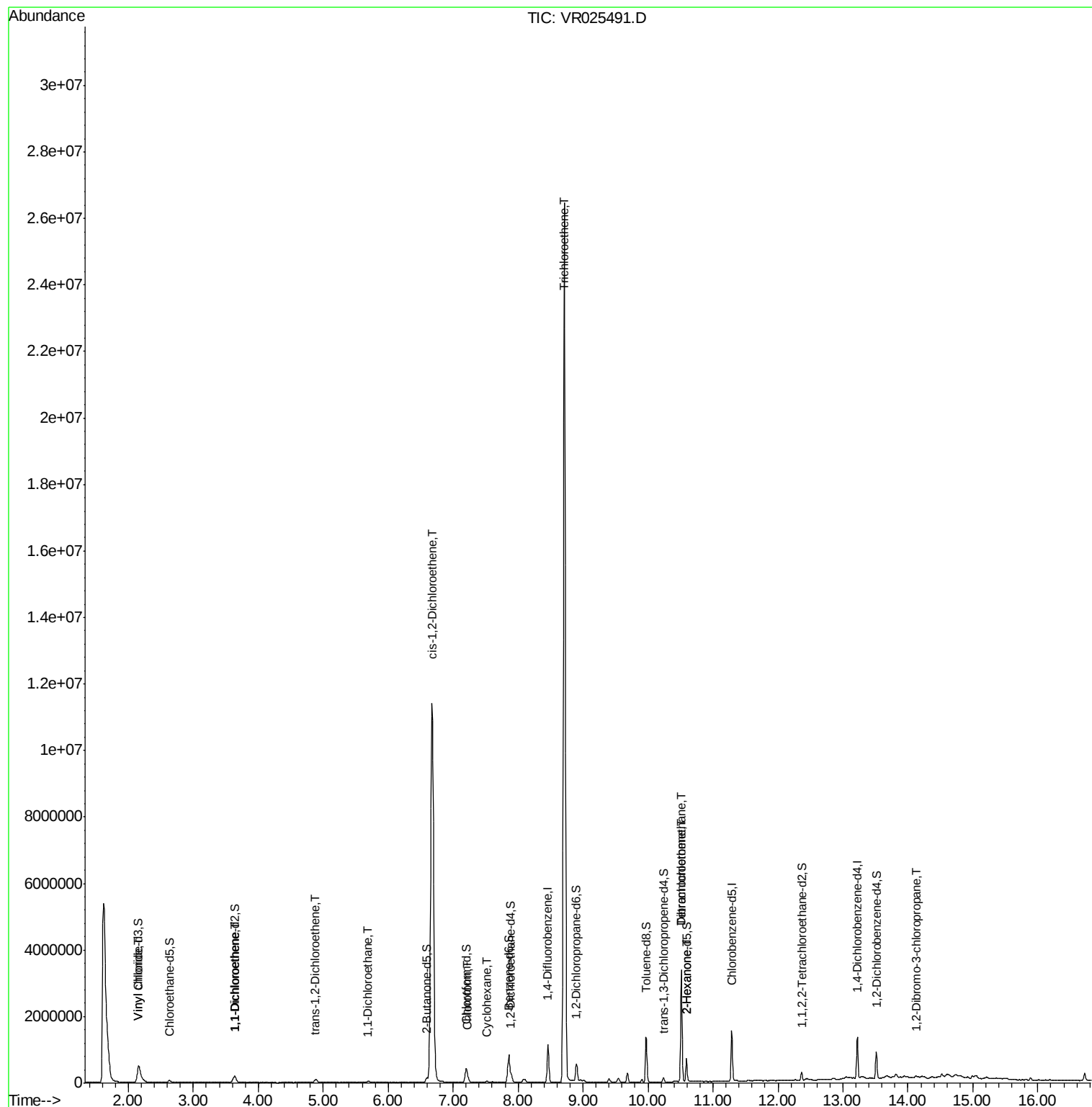
					Qvalue
5) Vinyl chloride	2.16	62	1018608	37.797 ug/L	99
12) 1,1-Dichloroethene	3.65	96	33764	1.261 ug/L #	1
18) trans-1,2-Dichloroethene	4.88	96	54451	0.817 ug/L	98
19) 1,1-Dichloroethane	5.69	63	56264	0.492 ug/L	97
22) cis-1,2-Dichloroethene	6.68	96	7560755	123.692 ug/L #	92
25) Chloroform	7.23	83	71165	0.648 ug/L	96
30) Cyclohexane	7.52	56	18144	0.226 ug/L	93
34) Trichloroethene	8.71	95	9026171	139.995 ug/L	94
47) Tetrachloroethene	10.52	164	679537	16.141 ug/L	96
48) 2-Hexanone	10.59	43	32201	2.744 ug/L #	61
49) Dibromochloromethane	10.52	129	509218	16.932 ug/L #	9
66) 1,2-Dibromo-3-chloropropan	14.14	75	718	0.231 ug/L #	1

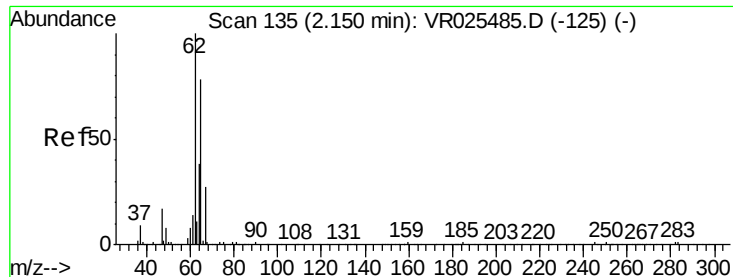
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 18 01:02:47 2018
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#5

Vinyl chloride

Concen: 37.797 ug/L

RT: 2.16 min Scan# 137

Delta R.T. 0.01 min

Lab File: VR025491.D

Acq: 17 Jul 2018 14:14

Instrument :

MSVOA_R

ClientSampled :

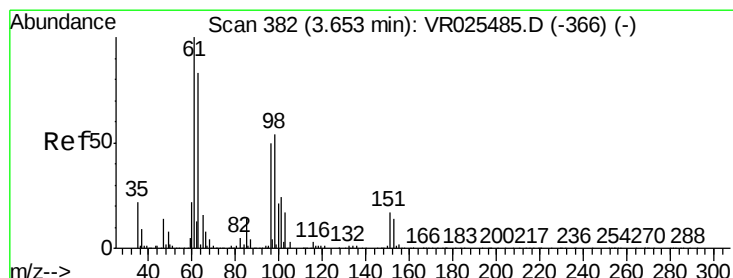
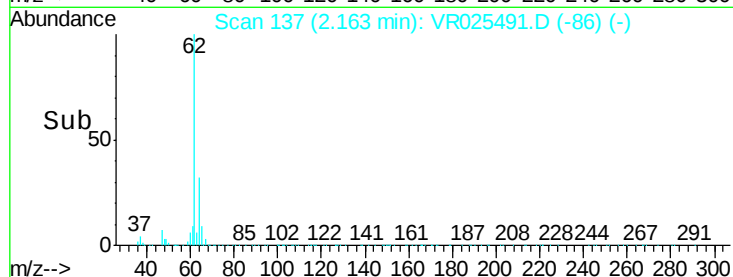
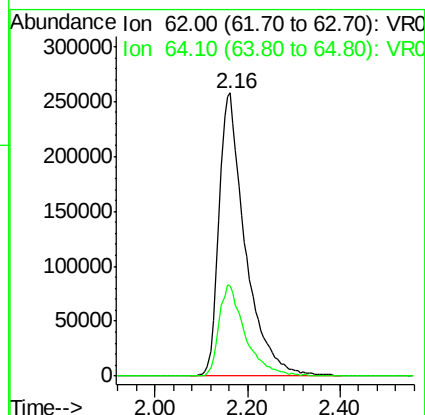
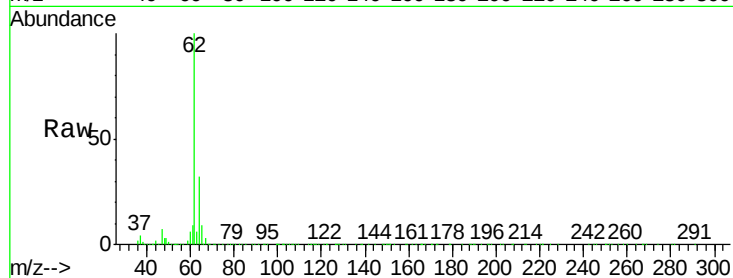
C0AG1

Tgt Ion: 62 Resp: 1018608

Ion Ratio Lower Upper

62 100

64 31.9 22.8 42.4



#12

1,1-Dichloroethene

Concen: 1.261 ug/L

RT: 3.65 min Scan# 381

Delta R.T. -0.01 min

Lab File: VR025491.D

Acq: 17 Jul 2018 14:14

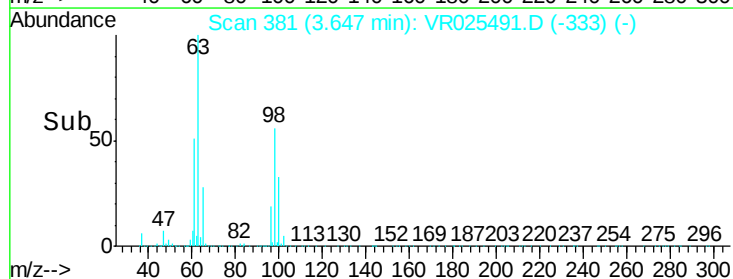
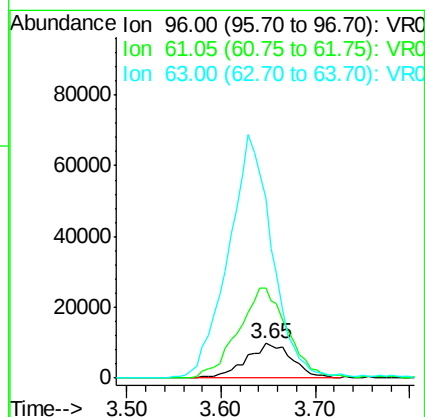
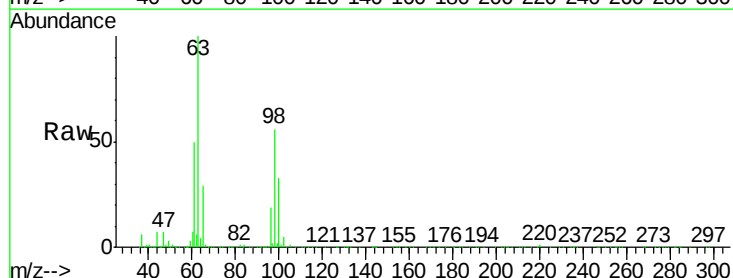
Tgt Ion: 96 Resp: 33764

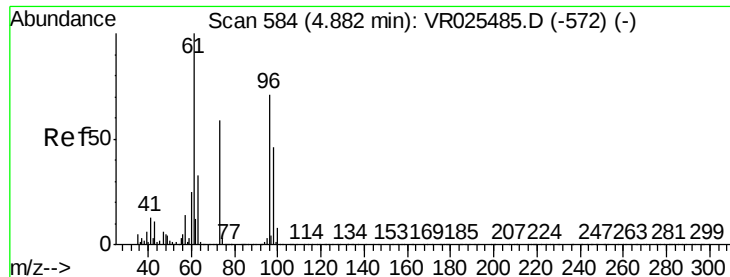
Ion Ratio Lower Upper

96 100

61 259.4 155.0 287.9

63 515.0 122.3 227.1#





#18

trans-1,2-Dichloroethene

Concen: 0.817 ug/L

RT: 4.88 min Scan# 584

Delta R.T. 0.00 min

Lab File: VR025491.D

Acq: 17 Jul 2018 14:14

Instrument :

MSVOA_R

ClientSampleId :

C0AG1

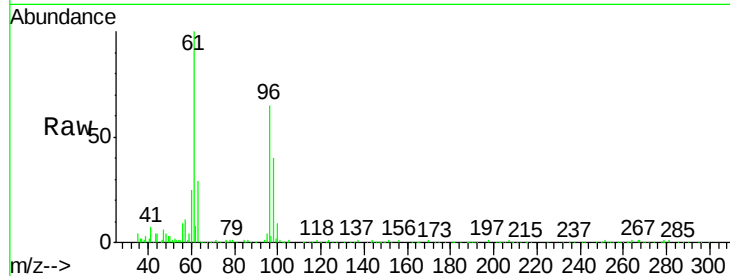
Tgt Ion: 96 Resp: 54451

Ion Ratio Lower Upper

96 100

61 152.7 104.4 193.8

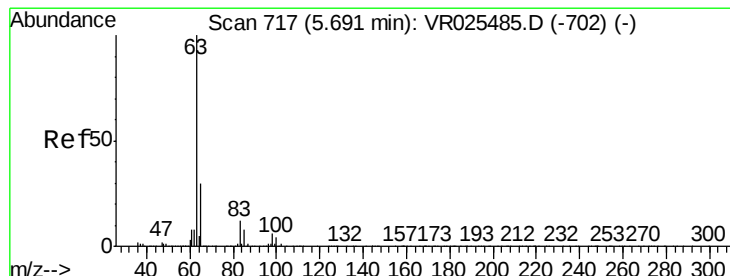
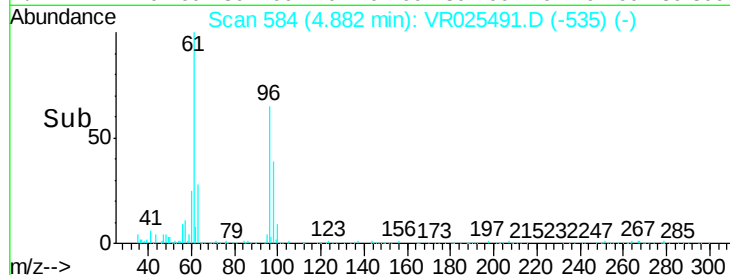
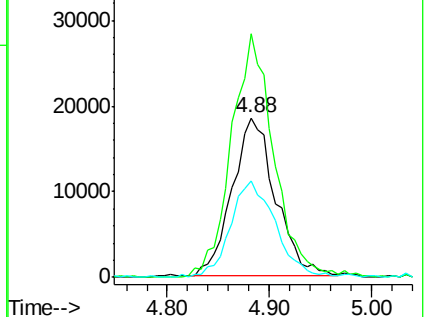
98 60.6 43.1 80.1



Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0



#19

1,1-Dichloroethane

Concen: 0.492 ug/L

RT: 5.69 min Scan# 717

Delta R.T. 0.00 min

Lab File: VR025491.D

Acq: 17 Jul 2018 14:14

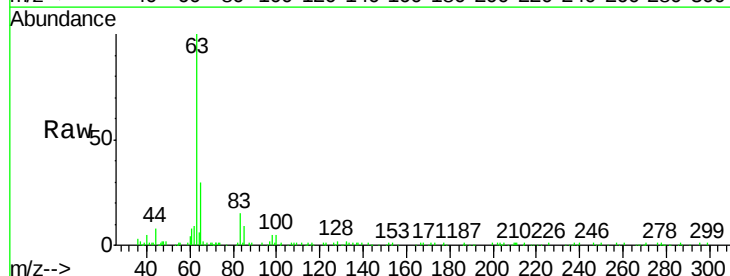
Tgt Ion: 63 Resp: 56264

Ion Ratio Lower Upper

63 100

65 30.2 22.5 41.7

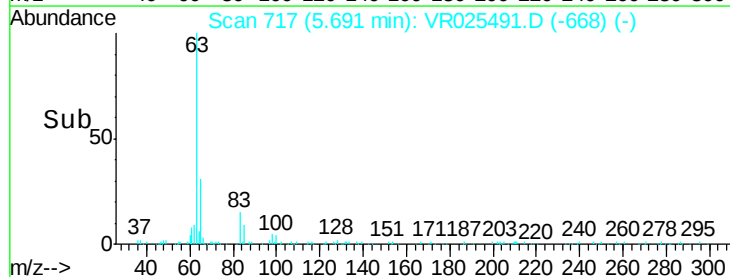
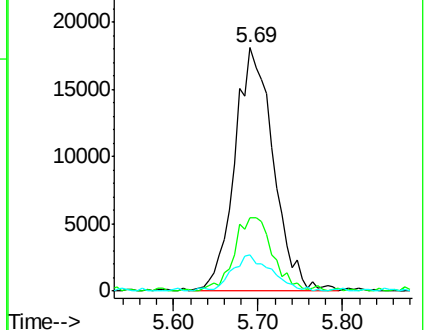
83 14.9 9.5 17.7

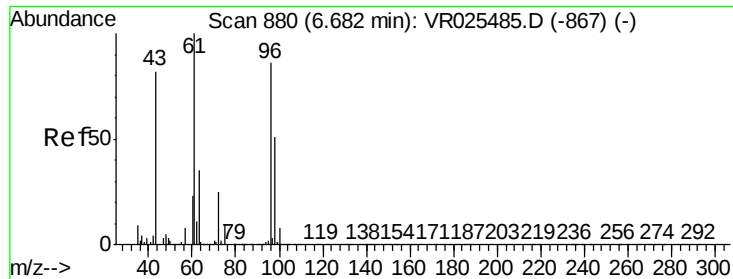


Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 65.10 (64.80 to 65.80): VR0

Ion 83.05 (82.75 to 83.75): VR0



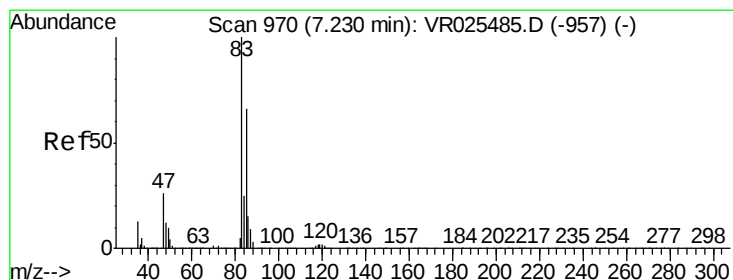
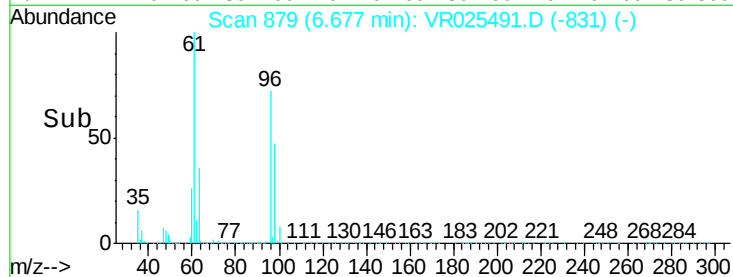
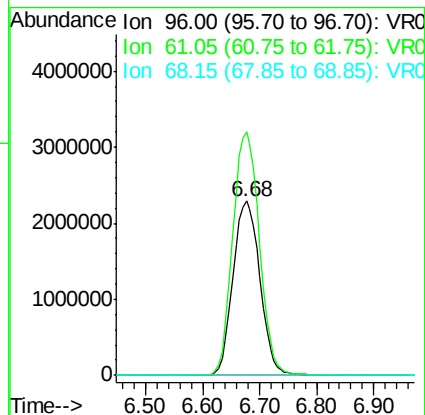
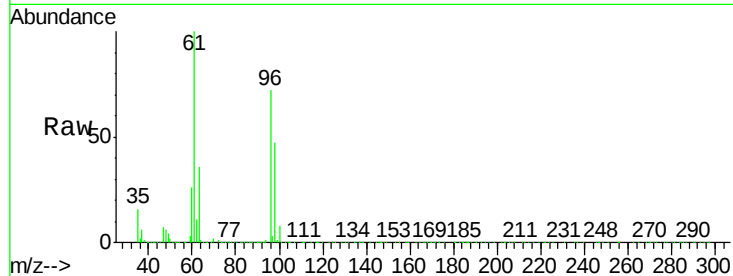


#22

cis-1,2-Dichloroethene
 Concen: 123.692 ug/L
 RT: 6.68 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: VR025491.D
 Acq: 17 Jul 2018 14:14

Instrument :
 MSVOA_R
 ClientSampleId :
 C0AG1

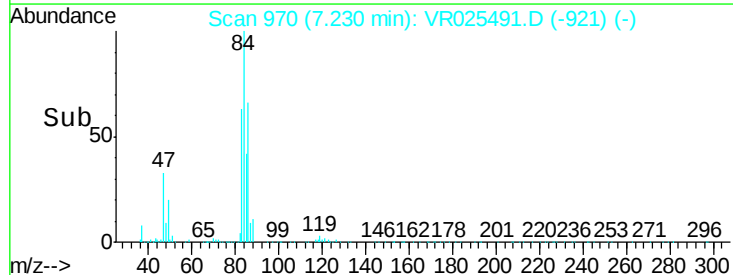
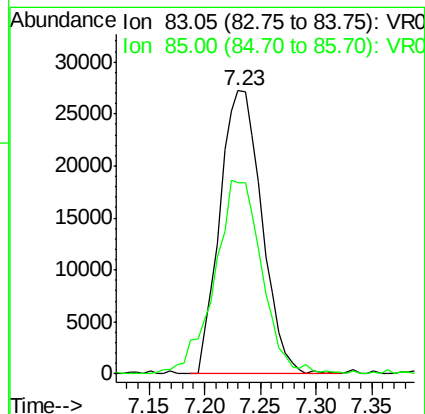
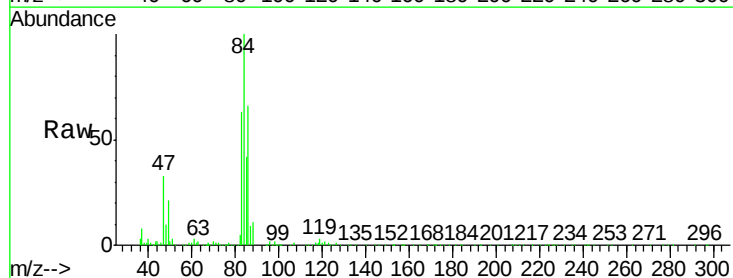
Tgt Ion: 96 Resp: 7560755
 Ion Ratio Lower Upper
 96 100
 61 139.8 91.0 169.0
 68 0.0 0.0 0.0#

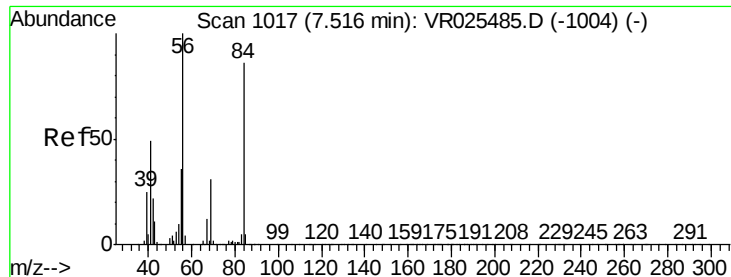


#25

Chloroform
 Concen: 0.648 ug/L
 RT: 7.23 min Scan# 970
 Delta R.T. 0.00 min
 Lab File: VR025491.D
 Acq: 17 Jul 2018 14:14

Tgt Ion: 83 Resp: 71165
 Ion Ratio Lower Upper
 83 100
 85 67.7 45.4 84.4

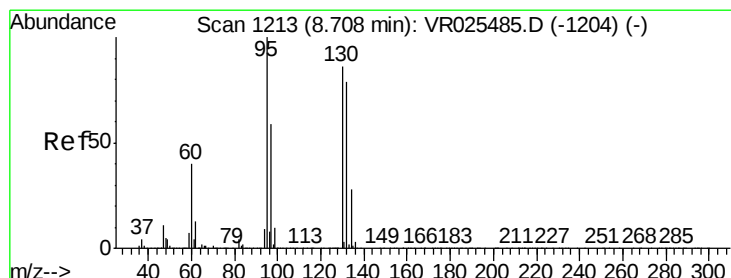
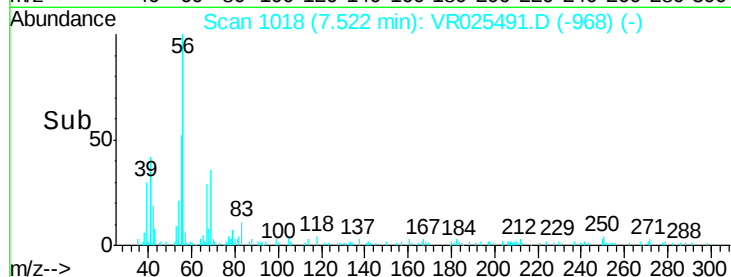
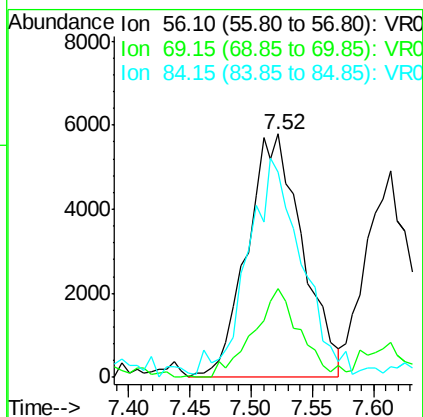
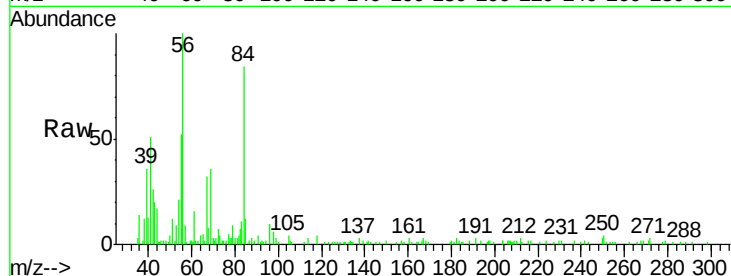




#30
Cyclohexane
Concen: 0.226 ug/L
RT: 7.52 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VR025491.D
Acq: 17 Jul 2018 14:14

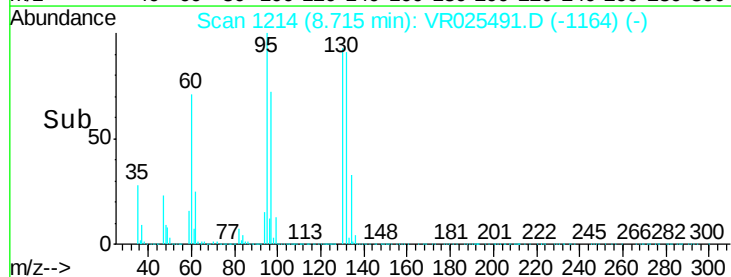
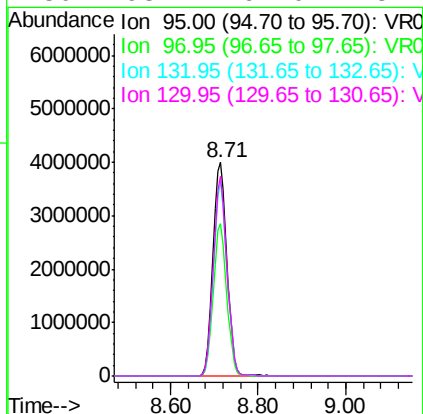
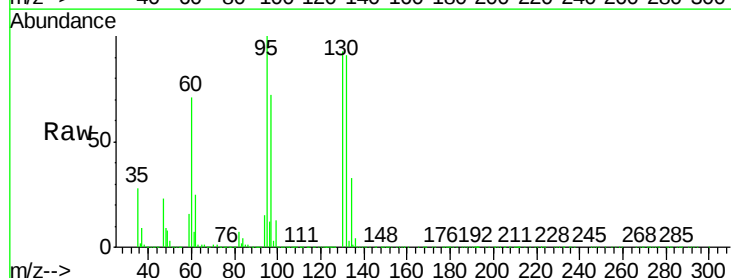
Instrument :
MSVOA_R
ClientSampleId :
C0AG1

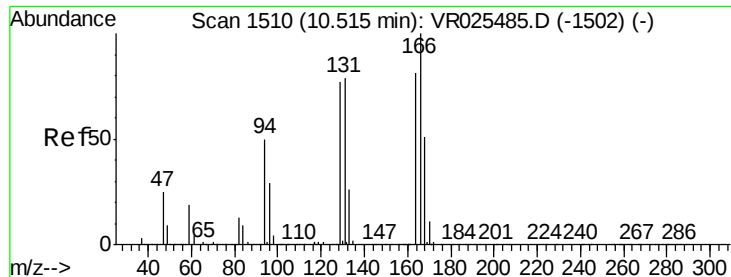
Tgt Ion: 56 Resp: 18144
Ion Ratio Lower Upper
56 100
69 31.1 23.7 35.5
84 85.6 62.6 93.8



#34
Trichloroethene
Concen: 139.995 ug/L
RT: 8.71 min Scan# 1214
Delta R.T. 0.01 min
Lab File: VR025491.D
Acq: 17 Jul 2018 14:14

Tgt Ion: 95 Resp: 9026171
Ion Ratio Lower Upper
95 100
97 71.5 45.6 84.6
132 90.9 60.9 113.1
130 93.4 62.0 115.2

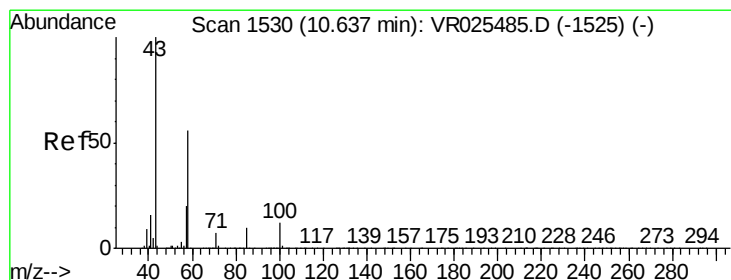
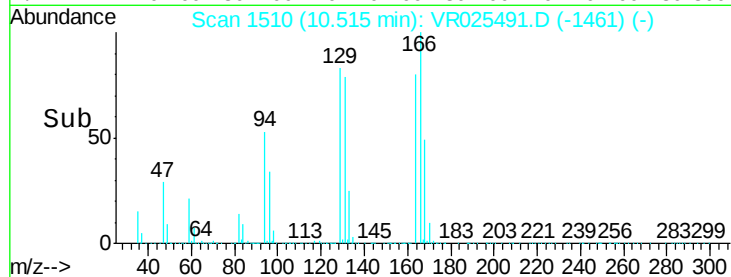
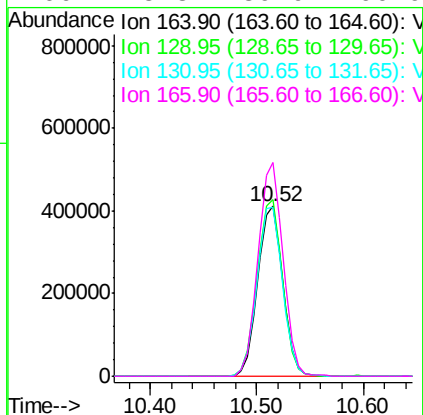
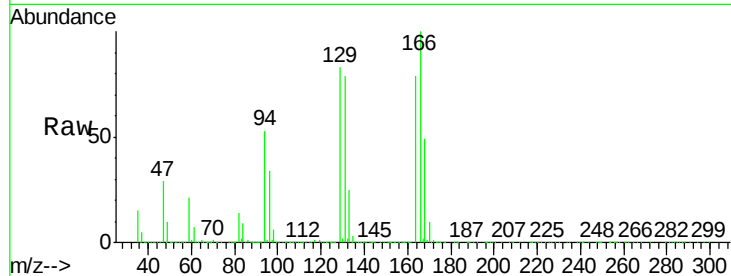




#47
Tetrachloroethene
Concen: 16.141 ug/L
RT: 10.52 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VR025491.D
Acq: 17 Jul 2018 14:14

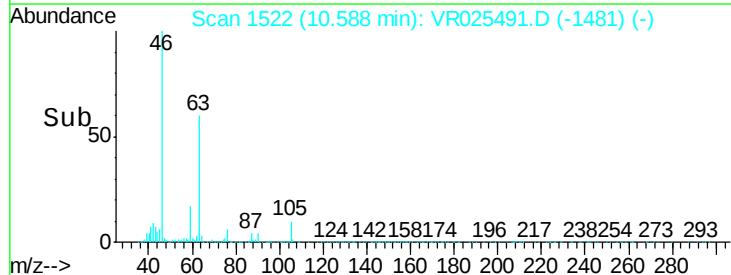
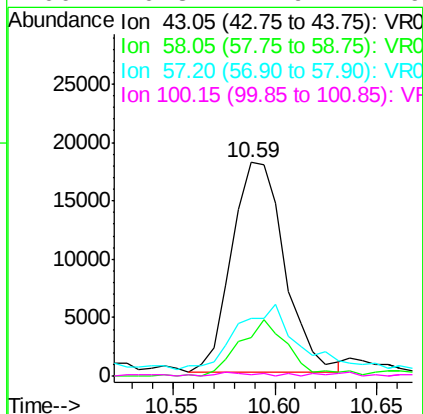
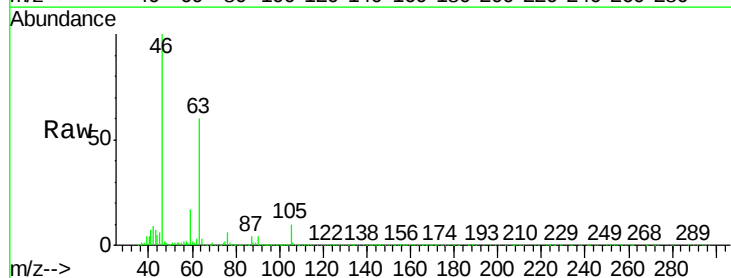
Instrument :
MSVOA_R
ClientSampleId :
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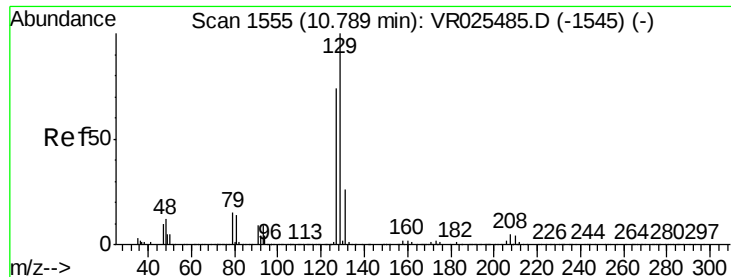
Tgt Ion:	164	Resp:	679537
Ion	Ratio	Lower	Upper
164	100		
129	104.1	68.1	126.5
131	99.7	68.5	127.1
166	125.8	89.9	166.9



#48
2-Hexanone
Concen: 2.744 ug/L
RT: 10.59 min Scan# 1522
Delta R.T. -0.05 min
Lab File: VR025491.D
Acq: 17 Jul 2018 14:14

Tgt Ion:	43	Resp:	32201
Ion	Ratio	Lower	Upper
43	100		
58	24.1	43.1	64.7#
57	36.2	15.3	22.9#
100	0.3	7.9	11.9#





#49

Dibromochloromethane

Concen: 16.932 ug/L

RT: 10.52 min Scan# 1510

Delta R.T. -0.27 min

Lab File: VR025491.D

Acq: 17 Jul 2018 14:14

Instrument :

MSVOA_R

ClientSampleId :

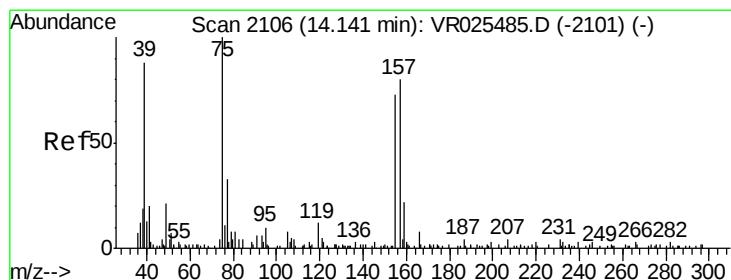
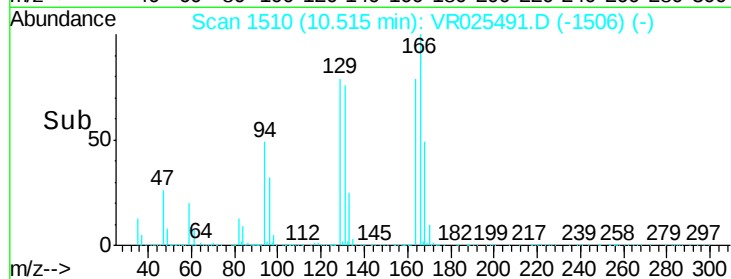
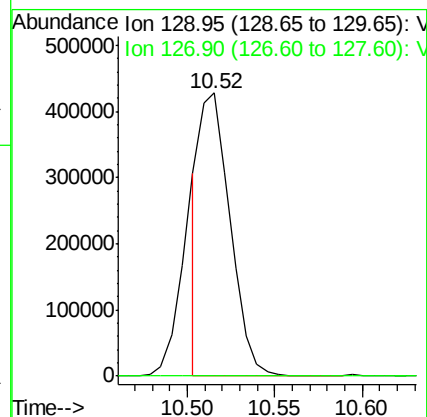
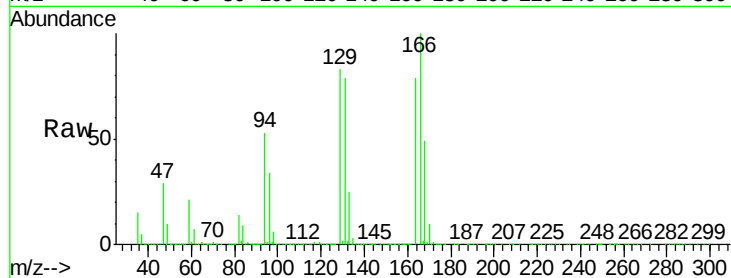
C0AG1

Tgt Ion:129 Resp: 509218

Ion Ratio Lower Upper

129 100

127 0.0 55.9 103.7#



#66

1,2-Dibromo-3-chloropropane

Concen: 0.231 ug/L

RT: 14.14 min Scan# 2105

Delta R.T. -0.01 min

Lab File: VR025491.D

Acq: 17 Jul 2018 14:14

Tgt Ion: 75 Resp: 718

Ion Ratio Lower Upper

75 100

155 2005.1 74.1 111.1#

157 153.3 71.0 106.6#

