

Data File : VR025481.D
Acq On : 16 Jul 2018 17:54
Operator : SY/MD
Sample : J4002-07MS
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
C0AG4MS

Quant Time: Jul 17 01:30:33 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 17 01:11:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.45	114	720092	5.00	ug/L	-0.01
28) Chlorobenzene-d5	11.29	117	595956	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	201516	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.14	65	86242	4.34	ug/L	-0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.80%
7) Chloroethane-d5	2.62	69	70126	4.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.00%
11) 1,1-Dichloroethene-d2	3.62	63	259831	4.32	ug/L	-0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.40%
20) 2-Butanone-d5	6.58	46	288390	46.77	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.54%
24) Chloroform-d	7.19	84	416481	4.24	ug/L	-0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.80%
26) 1,2-Dichloroethane-d4	7.89	65	166582	4.43	ug/L	-0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
32) Benzene-d6	7.84	84	907915	4.55	ug/L	-0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
36) 1,2-Dichloropropane-d6	8.89	67	263845	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	9.97	98	807528	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
43) trans-1,3-Dichloropropene-	10.24	79	67538	4.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.00%
46) 2-Hexanone-d5	10.59	63	240632	48.57	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.14%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	113257	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	180119	5.41	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.20%

Target Compounds

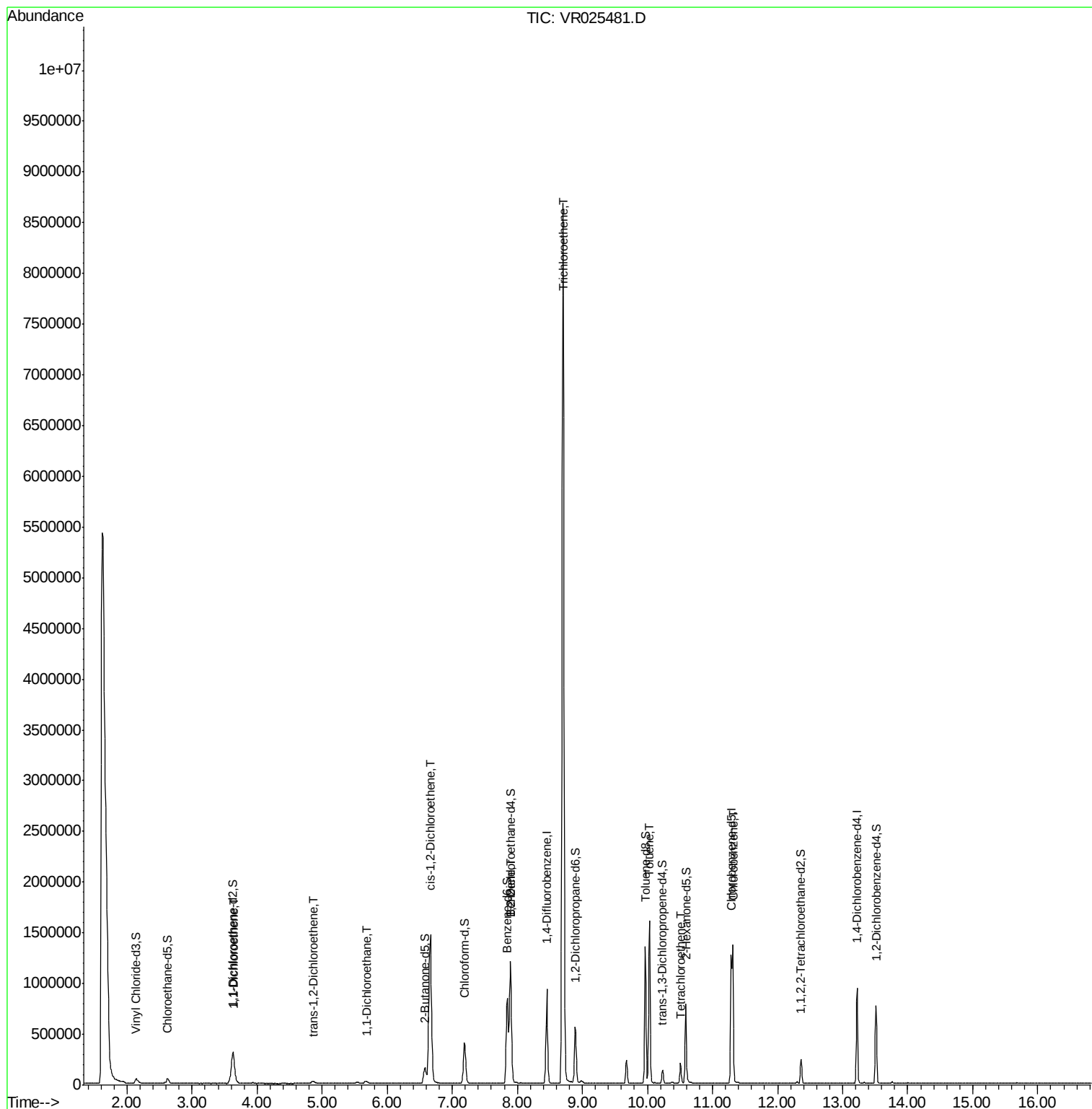
					Qvalue
12) 1,1-Dichloroethene	3.64	96	105081	4.881 ug/L	98
18) trans-1,2-Dichloroethene	4.86	96	11506	0.215 ug/L	94
19) 1,1-Dichloroethane	5.68	63	37021	0.403 ug/L	92
22) cis-1,2-Dichloroethene	6.66	96	961624	19.566 ug/L #	97
33) Benzene	7.90	78	1077679	5.246 ug/L	100
34) Trichloroethene	8.70	95	3238057	61.919 ug/L	99
42) Toluene	10.03	91	1089876	5.456 ug/L	98
47) Tetrachloroethene	10.51	164	40646	1.190 ug/L	92
51) Chlorobenzene	11.31	112	637250	5.239 ug/L	96

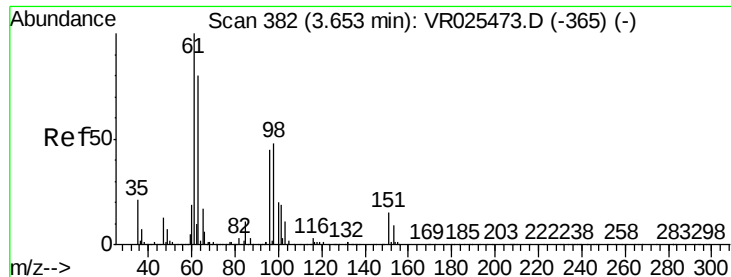
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 4.881 ug/L

RT: 3.64 min Scan# 380

Delta R.T. -0.01 min

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Acq: 16 Jul 2018 17:54

Instrument :

MSVOA_R

ClientSampleId :

C0AG4MS

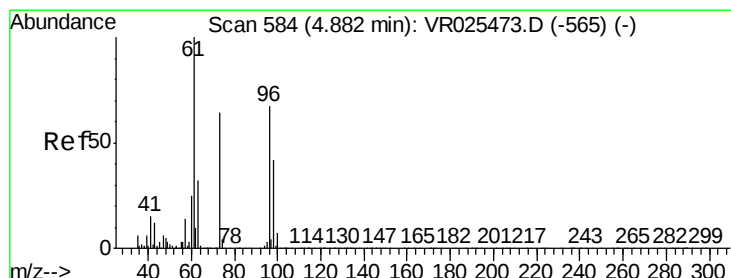
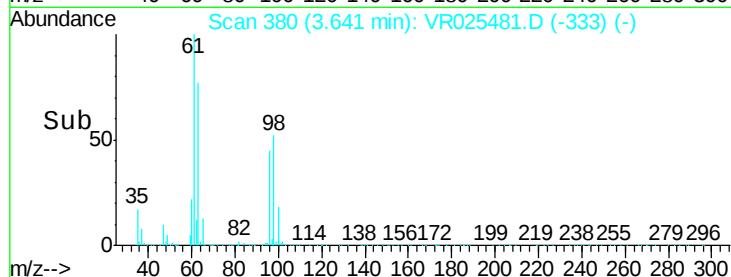
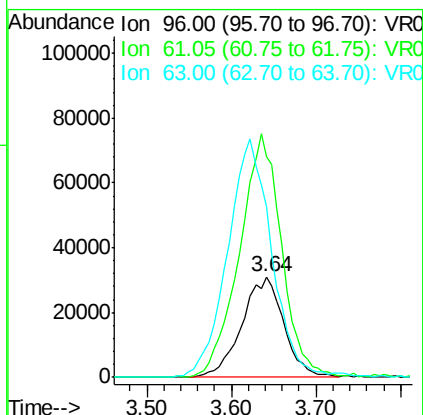
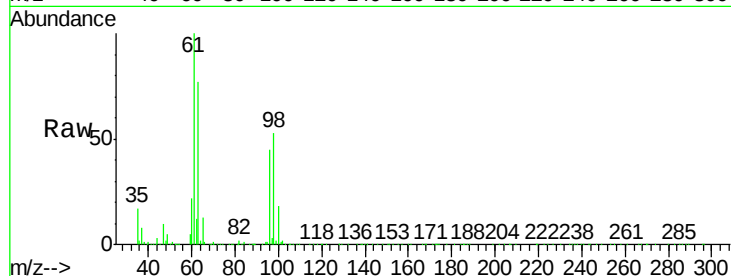
Tgt Ion: 96 Resp: 105081

Ion Ratio Lower Upper

96 100

61 220.2 155.0 287.9

63 170.2 122.3 227.1



#18

trans-1,2-Dichloroethene

Concen: 0.215 ug/L

RT: 4.86 min Scan# 581

Delta R.T. -0.02 min

Lab File: VR025481.D

Acq: 16 Jul 2018 17:54

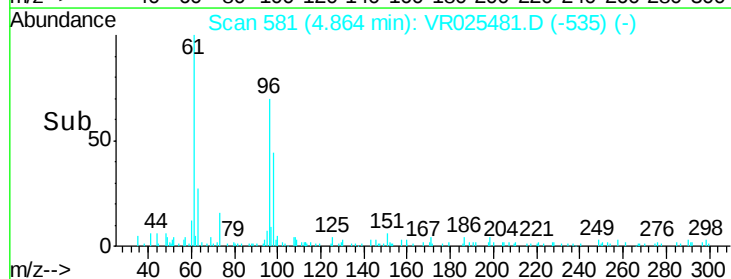
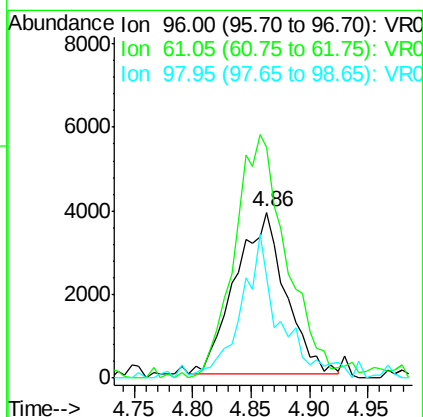
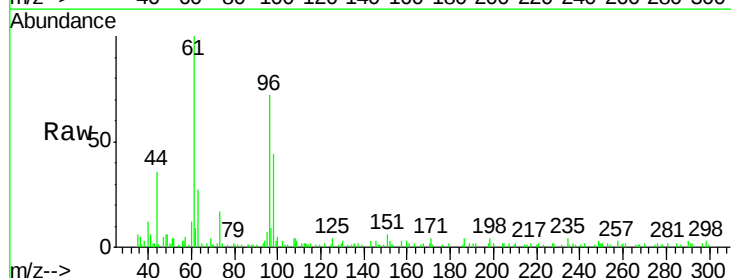
Tgt Ion: 96 Resp: 11506

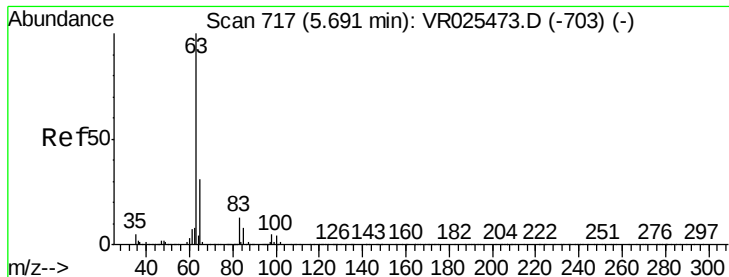
Ion Ratio Lower Upper

96 100

61 139.3 104.4 193.8

98 61.5 43.1 80.1





#19

1,1-Dichloroethane

Concen: 0.403 ug/L

RT: 5.68 min Scan# 715

Delta R.T. -0.01 min

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Acq: 16 Jul 2018 17:54

Instrument :

MSVOA_R

ClientSampleId :

C0AG4MS

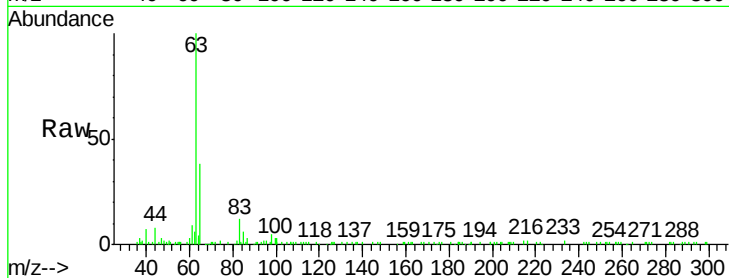
Tgt Ion: 63 Resp: 37021

Ion Ratio Lower Upper

63 100

65 38.2 22.5 41.7

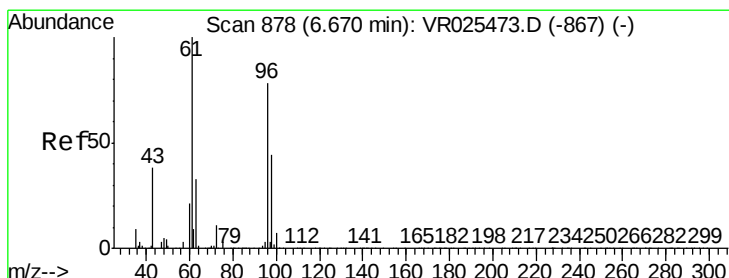
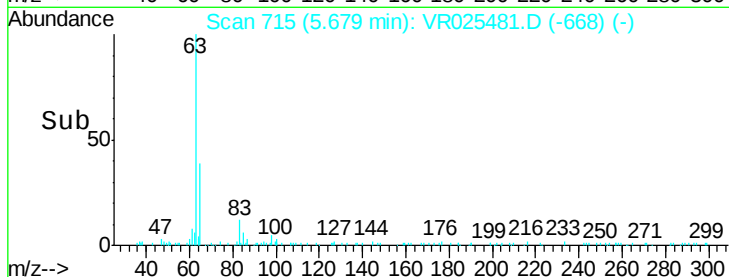
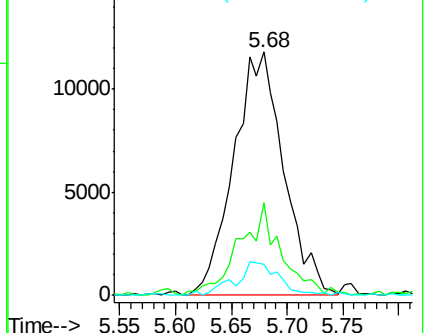
83 12.9 9.5 17.7



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: 19.566 ug/L

RT: 6.66 min Scan# 876

Delta R.T. -0.01 min

Lab File: VR025481.D

Acq: 16 Jul 2018 17:54

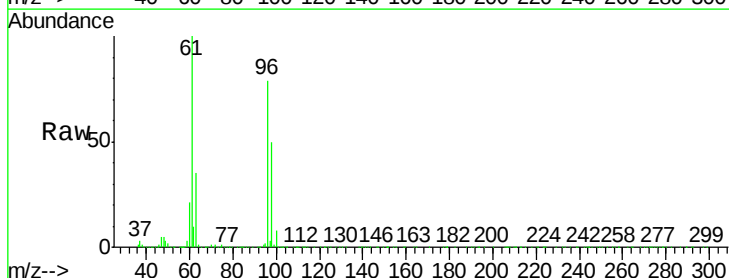
Tgt Ion: 96 Resp: 961624

Ion Ratio Lower Upper

96 100

61 126.5 91.0 169.0

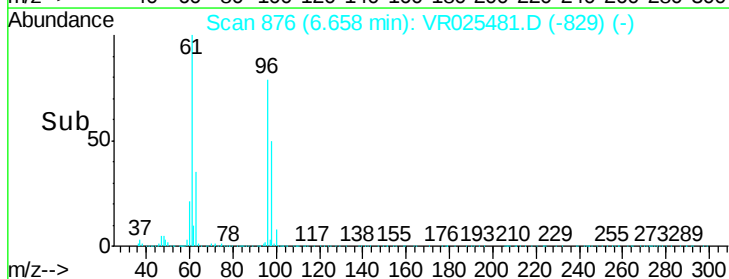
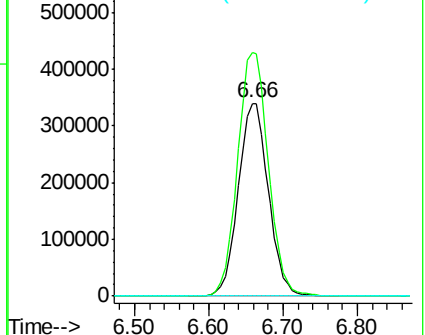
68 0.0 0.0 0.0#

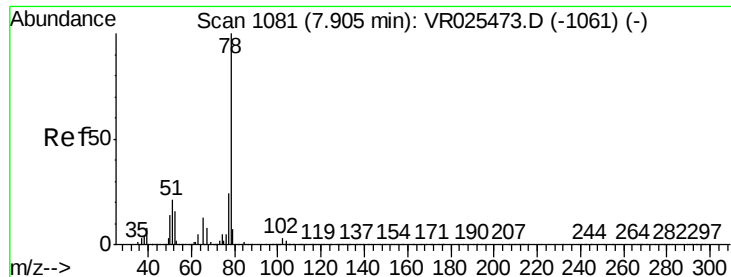


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 68.15 (67.85 to 68.85): VR0





#33

Benzene

Concen: 5.246 ug/L

RT: 7.90 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VR025481.D

Acq: 16 Jul 2018 17:54

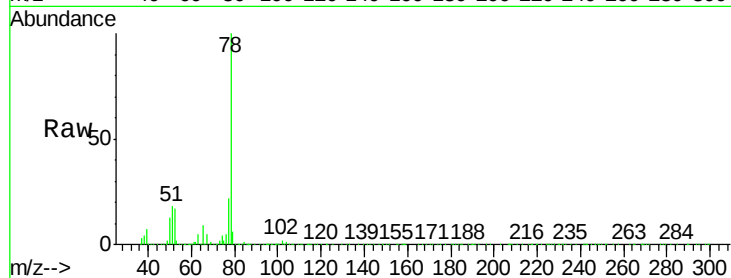
Instrument :

MSVOA_R

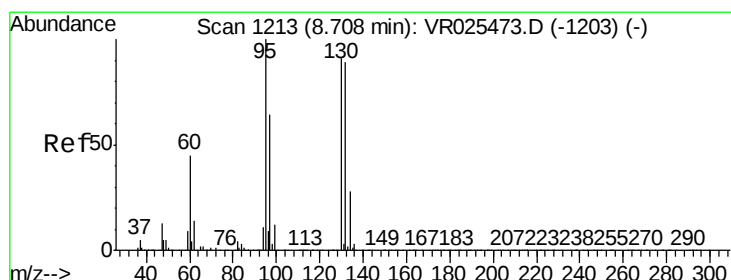
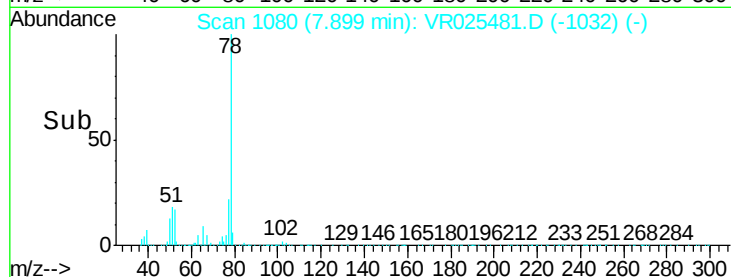
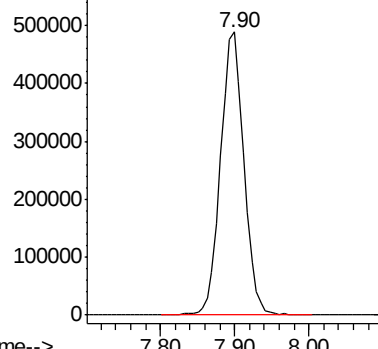
ClientSampleId :

C0AG4MS

Tgt Ion: 78 Resp: 1077679



Abundance Ion 78.10 (77.80 to 78.80): VR0



#34

Trichloroethene

Concen: 61.919 ug/L

RT: 8.70 min Scan# 1212

Delta R.T. -0.01 min

Lab File: VR025481.D

Acq: 16 Jul 2018 17:54

Tgt Ion: 95 Resp: 3238057

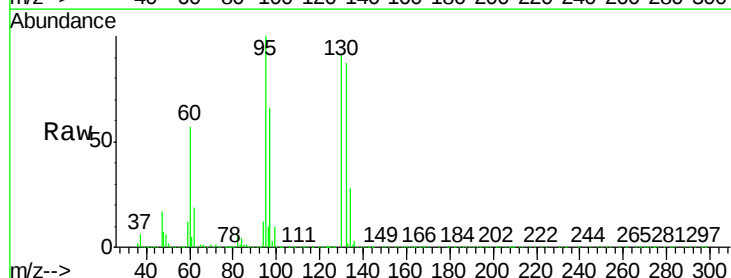
Ion	Ratio	Lower	Upper
95	100		
97	65.7	45.6	84.6
132	87.0	60.9	113.1
130	91.1	62.0	115.2

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): VR0

Ion 129.95 (129.65 to 130.65): VR0



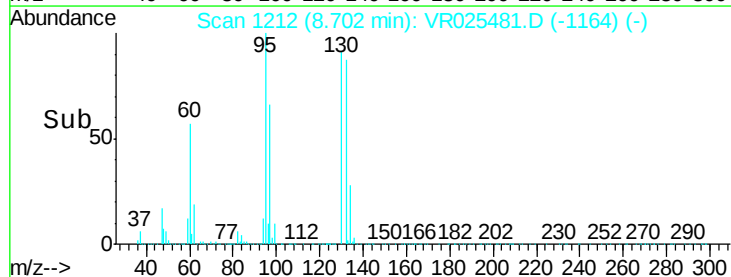
Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): VR0

Ion 129.95 (129.65 to 130.65): VR0

Time-->



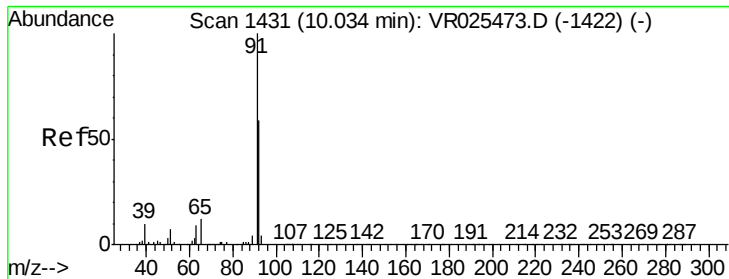
Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): VR0

Ion 129.95 (129.65 to 130.65): VR0

Time-->



#42

Toluene

Concen: 5.456 ug/L

RT: 10.03 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VR025481.D

Acq: 16 Jul 2018 17:54

Instrument :

MSVOA_R

ClientSampleId :

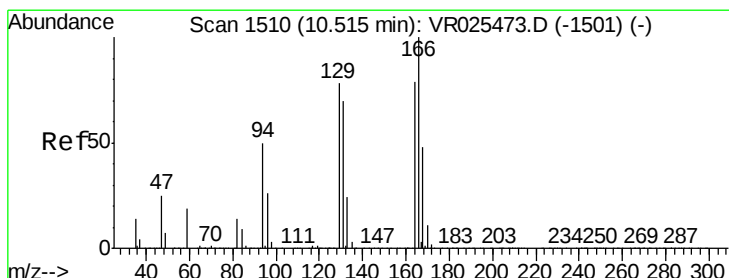
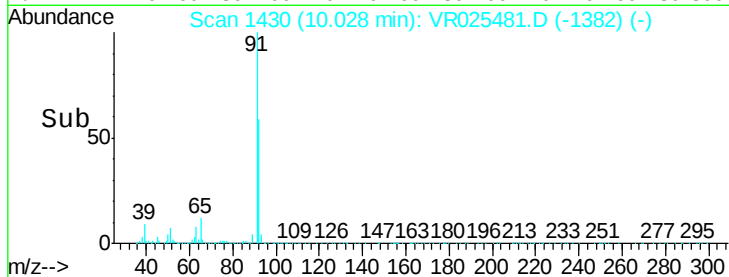
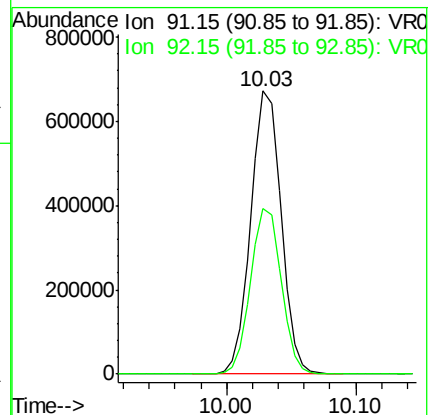
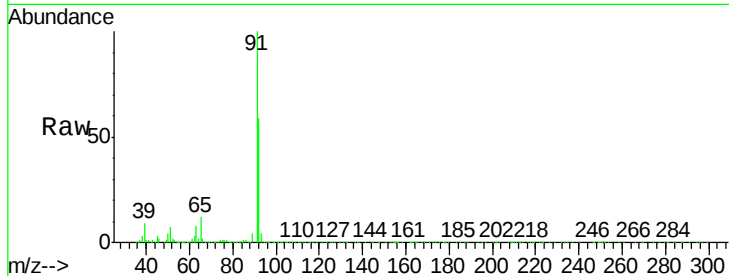
C0AG4MS

Tgt Ion: 91 Resp: 1089876

Ion Ratio Lower Upper

91 100

92 58.5 41.9 77.7



#47

Tetrachloroethene

Concen: 1.190 ug/L

RT: 10.51 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VR025481.D

Acq: 16 Jul 2018 17:54

Tgt Ion: 164 Resp: 40646

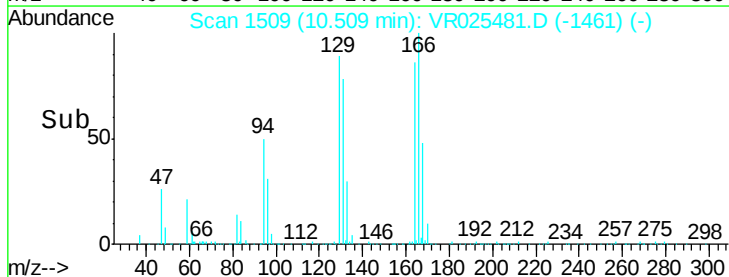
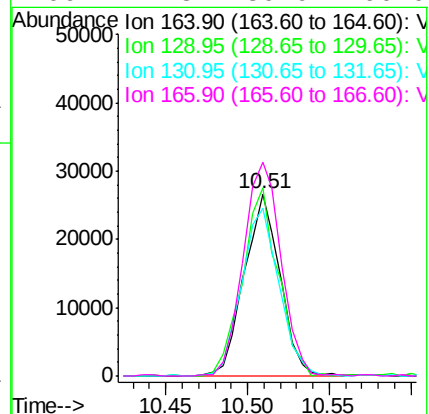
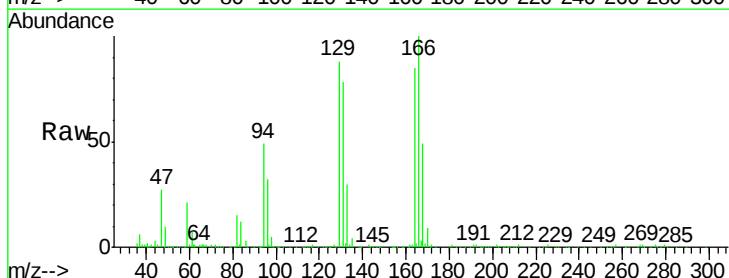
Ion Ratio Lower Upper

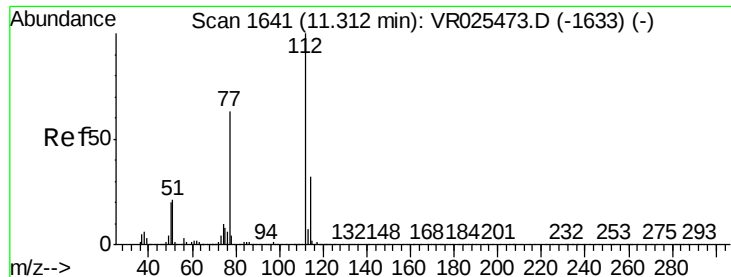
164 100

129 103.7 68.1 126.5

131 91.8 68.5 127.1

166 117.3 89.9 166.9





#51
Chlorobenzene
Concen: 5.239 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VR025481.D
Acq: 16 Jul 2018 17:54

Instrument :
MSVOA_R
ClientSampleId :
C0AG4MS

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.9	21.6	40.0
77	61.8	51.9	77.9

