

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR040419\
 Data File : VR026449.D
 Acq On : 4 Apr 2019 16:27
 Operator : SY/MD
 Sample : K2248-06
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 E3YC7

Quant Time: Apr 05 07:50:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR040319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 05 07:16:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	449215	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	365745	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	114452	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	191122	5.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	112.00%
7) Chloroethane-d5	2.63	69	159016	5.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.80%
11) 1,1-Dichloroethene-d2	3.60	63	360521	4.08	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.60%
20) 2-Butanone-d5	6.59	46	180733	59.39	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.78%
24) Chloroform-d	7.20	84	345487	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
26) 1,2-Dichloroethane-d4	7.89	65	147604	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.40%
32) Benzene-d6	7.85	84	645675	5.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.60%
36) 1,2-Dichloropropane-d6	8.89	67	175884	5.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	116.20%
41) Toluene-d8	9.97	98	570352	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.00%
43) trans-1,3-Dichloropropene-	10.24	79	38835	4.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.80%
46) 2-Hexanone-d5	10.59	63	136346	63.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	126.64%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	61257	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.80%
64) 1,2-Dichlorobenzene-d4	13.52	152	112622	6.50	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	130.00%#

Target Compounds

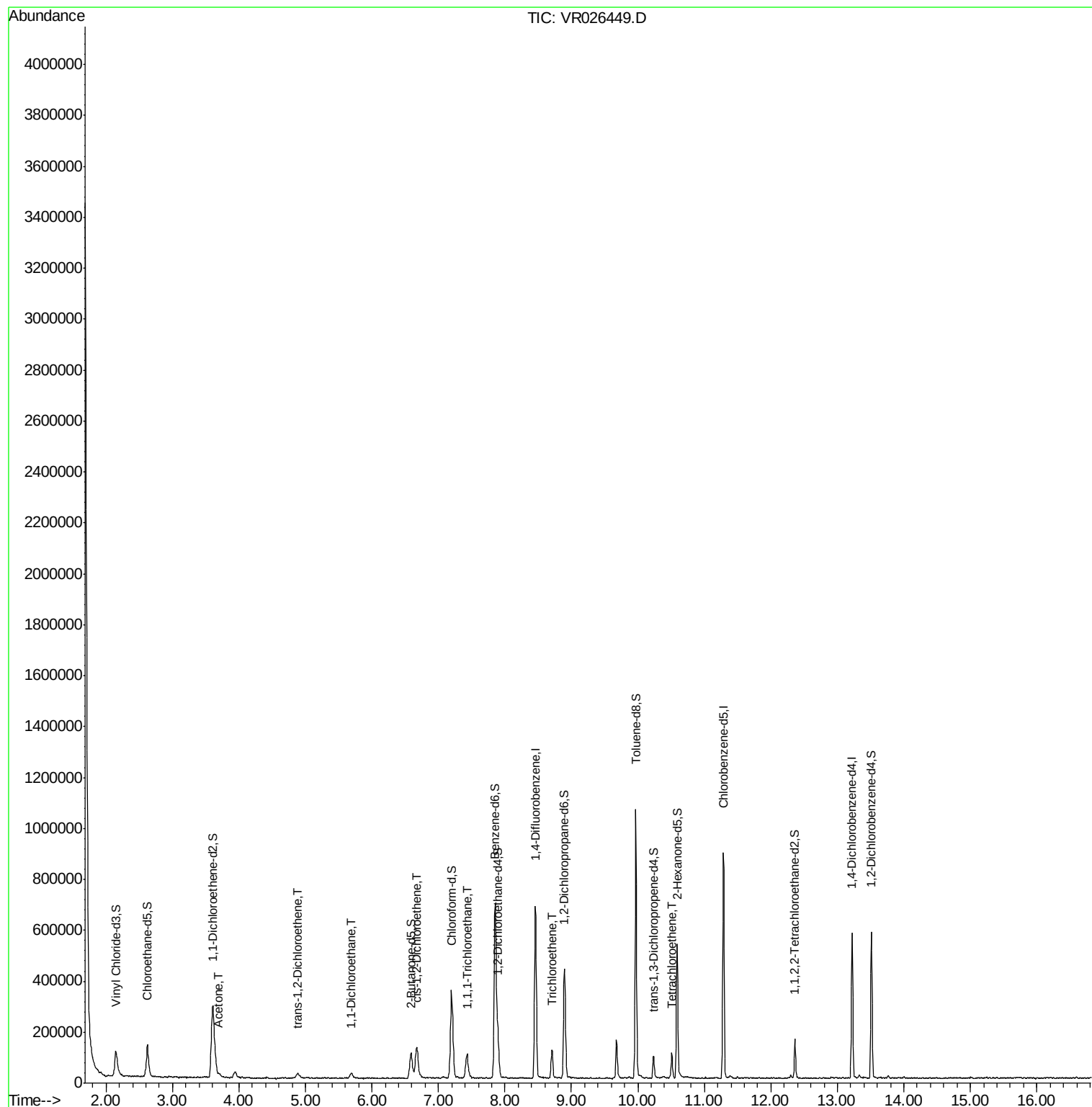
					Ovalue
13) Acetone	3.69	43	20257	6.587 ug/L	99
18) trans-1,2-Dichloroethene	4.89	96	7872	0.209 ug/L	81
19) 1,1-Dichloroethane	5.69	63	25988	0.372 ug/L	99
22) cis-1,2-Dichloroethene	6.67	96	53757	1.719 ug/L	95
29) 1,1,1-Trichloroethane	7.43	97	79844	1.323 ug/L	97
34) Trichloroethene	8.71	95	37192	0.971 ug/L	91
47) Tetrachloroethene	10.51	164	18022	0.661 ug/L	96

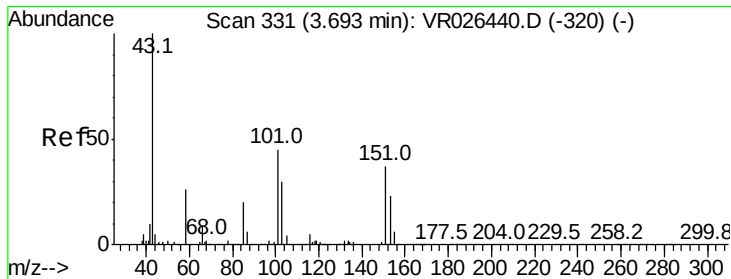
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 6.587 ug/L

RT: 3.69 min Scan# 331

Delta R.T. 0.00 min

Lab File: VR026449.D

Acq: 4 Apr 2019 16:27

Instrument :

MSVOA_R

ClientSampleId :

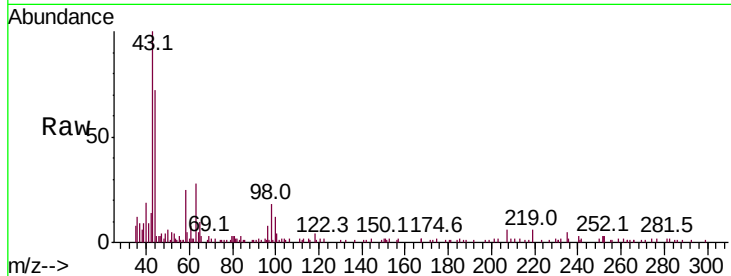
E3YC7

Tot Ion: 43 Resp: 20257

Ion Ratio Lower Upper

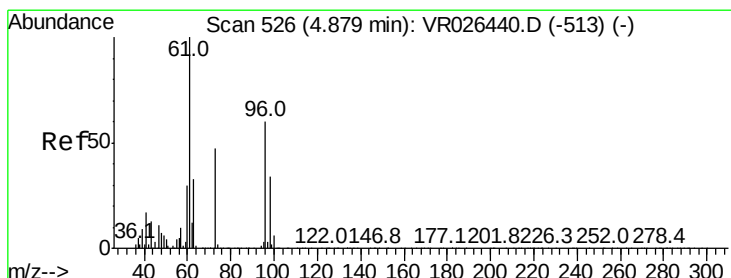
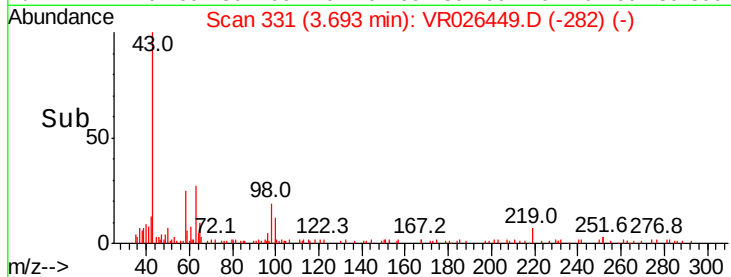
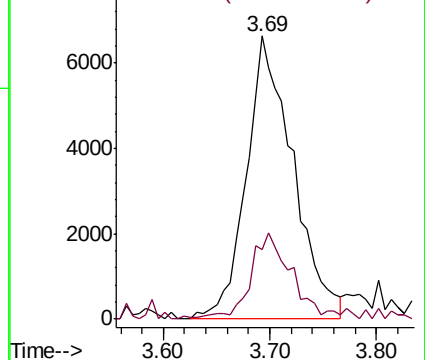
43 100

58 26.4 0.0 53.8



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#18

trans-1,2-Dichloroethene

Concen: 0.209 ug/L

RT: 4.89 min Scan# 527

Delta R.T. 0.01 min

Lab File: VR026449.D

Acq: 4 Apr 2019 16:27

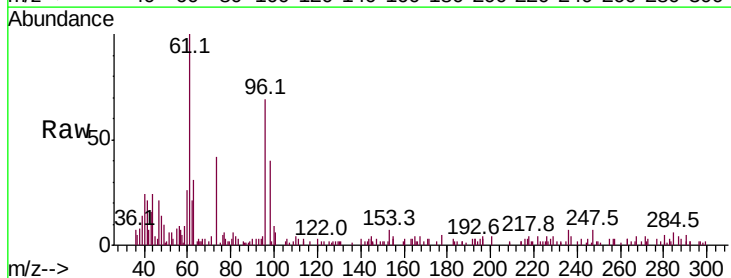
Tgt Ion: 96 Resp: 7872

Ion Ratio Lower Upper

96 100

61 144.4 122.9 228.3

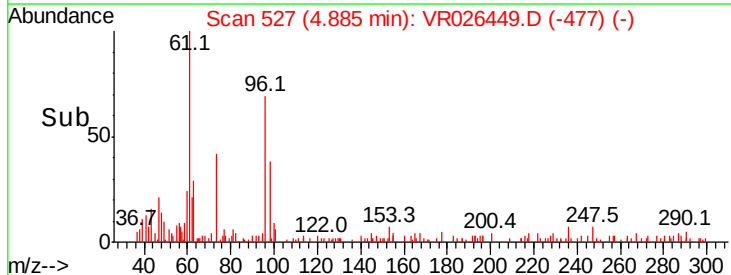
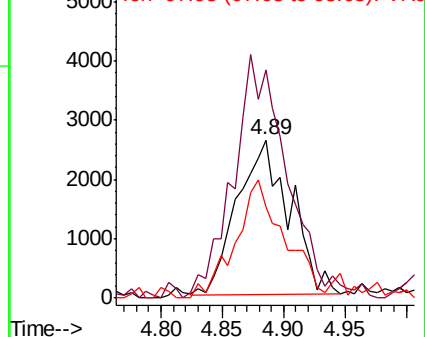
98 58.0 45.2 84.0

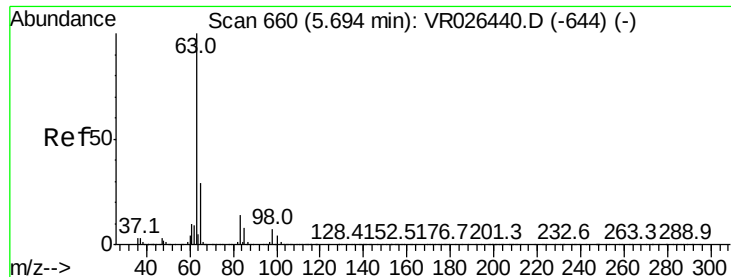


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0





#19

1,1-Dichloroethane

Concen: 0.372 ug/L

RT: 5.69 min Scan# 659

Delta R.T. -0.01 min

Lab File: VR026449.D

Acq: 4 Apr 2019 16:27

Instrument :

MSVOA_R

ClientSampled :

E3YC7

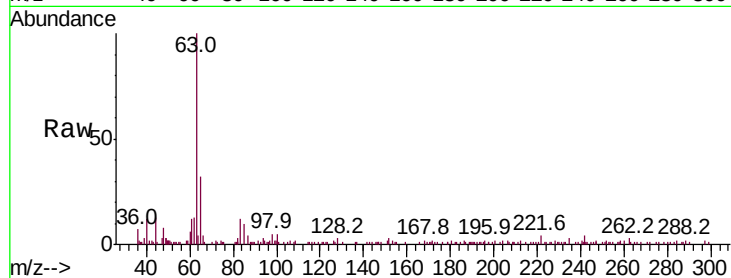
Tot Ion: 63 Resp: 25988

Ion Ratio Lower Upper

63 100

65 31.5 22.0 40.8

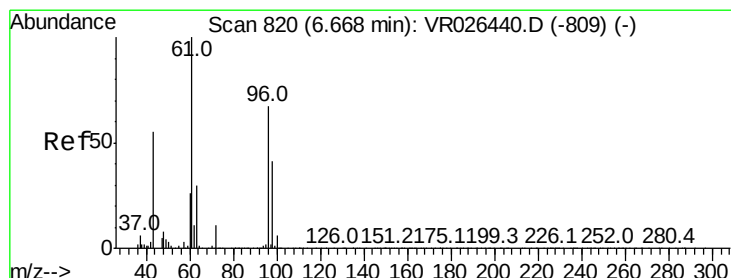
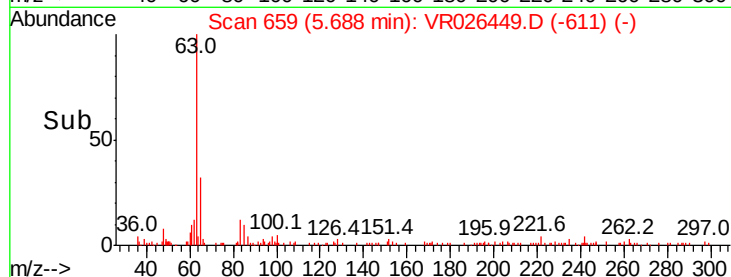
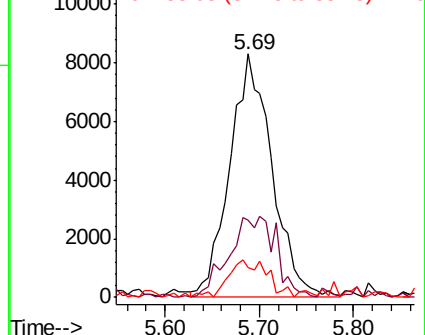
83 12.4 8.2 15.2



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: 1.719 ug/L

RT: 6.67 min Scan# 821

Delta R.T. 0.01 min

Lab File: VR026449.D

Acq: 4 Apr 2019 16:27

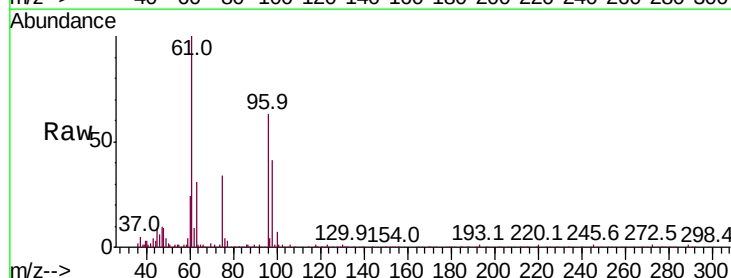
Tgt Ion: 96 Resp: 53757

Ion Ratio Lower Upper

96 100

61 157.7 115.0 213.6

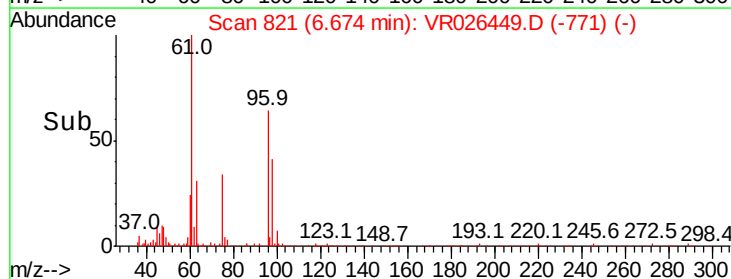
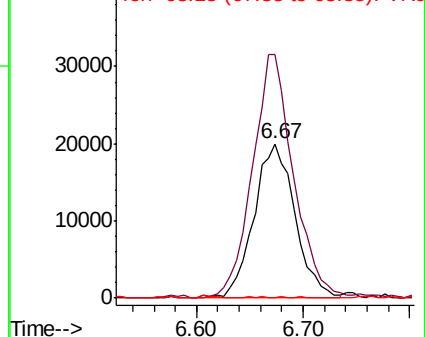
68 0.0 0.0 0.0

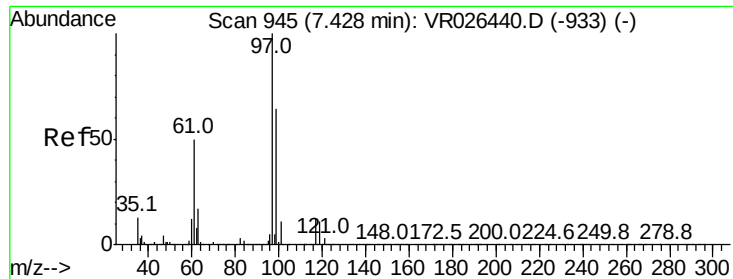


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 68.15 (67.85 to 68.85): VR0





#29

1,1,1-Trichloroethane

Concen: 1.323 ug/L

RT: 7.43 min Scan# 945

Delta R.T. 0.00 min

Lab File: VR026449.D

Acq: 4 Apr 2019 16:27

Instrument :

MSVOA_R

ClientSampleId :

E3YC7

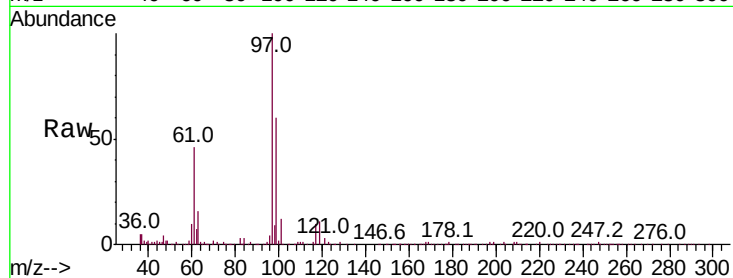
Tot Ion: 97 Resp: 79844

Ion Ratio Lower Upper

97 100

99 65.0 49.6 74.4

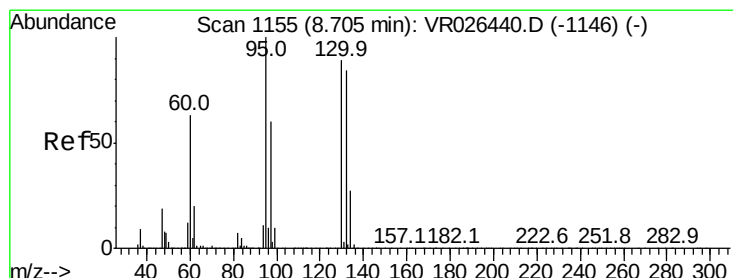
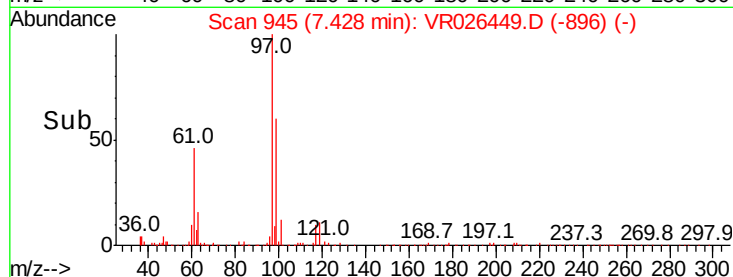
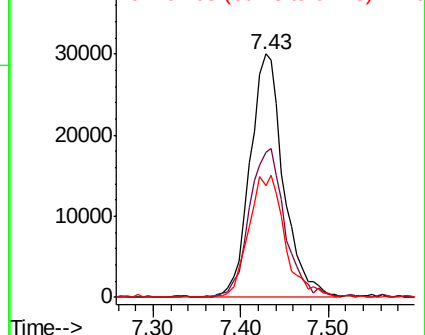
61 54.2 41.8 62.6



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: 0.971 ug/L

RT: 8.71 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VR026449.D

Acq: 4 Apr 2019 16:27

Tgt Ion: 95 Resp: 37192

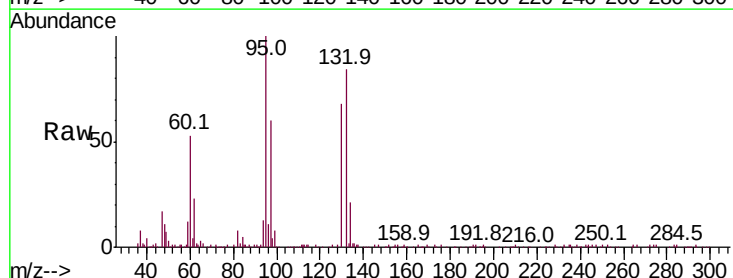
Ion Ratio Lower Upper

95 100

97 60.1 43.8 81.3

132 83.7 57.2 106.2

130 67.5 59.7 110.9

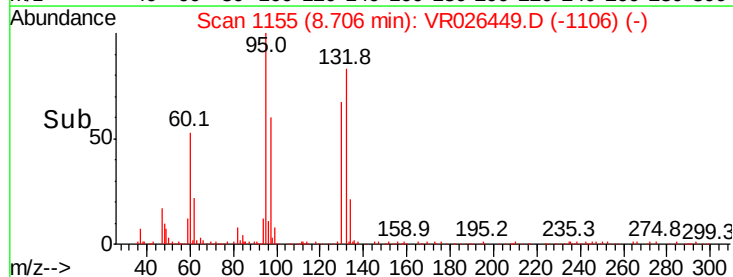
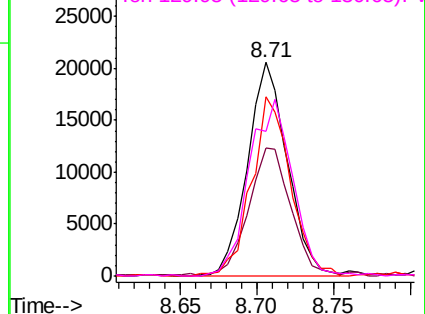


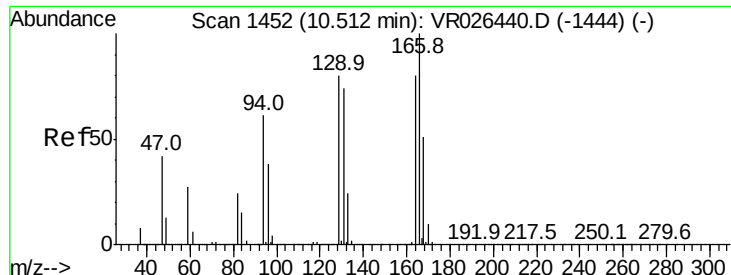
Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 0.661 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VR026449.D

Acq: 4 Apr 2019 16:27

Instrument :

MSVOA_R

ClientSampleId :

E3YC7

Tot Ion:164 Resp: 18022

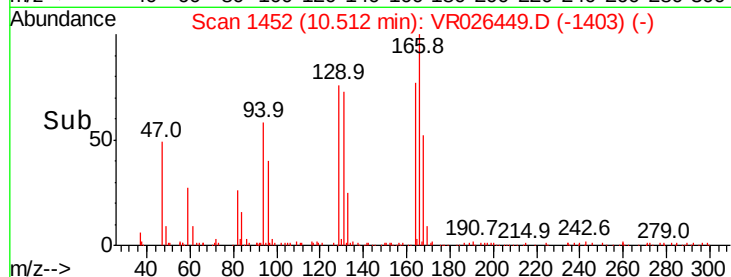
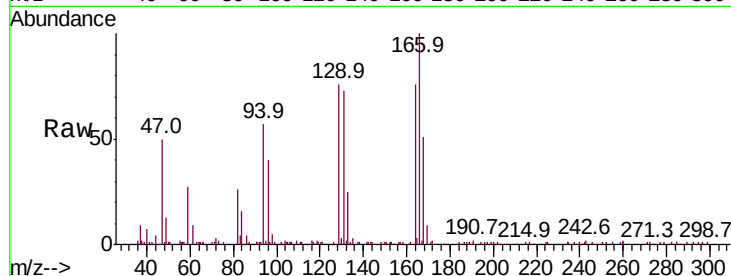
Ion Ratio Lower Upper

164 100

129 99.7 74.1 137.5

131 95.7 71.3 132.5

166 131.9 90.9 168.9



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

