

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR021419\
 Data File : VR026320.D
 Acq On : 14 Feb 2019 19:38
 Operator : SY/MD
 Sample : K1488-10
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 ESXE6

Quant Time: Feb 15 04:51:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR021119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Feb 14 14:16:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	585866	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	519455	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	154844	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	246972	4.62	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.40%
7) Chloroethane-d5	2.63	69	194364	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.80%
11) 1,1-Dichloroethene-d2	3.61	63	458251	3.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.40%
20) 2-Butanone-d5	6.59	46	192209	56.43	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.86%
24) Chloroform-d	7.20	84	412565	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	7.89	65	161585	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
32) Benzene-d6	7.85	84	810821	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
36) 1,2-Dichloropropane-d6	8.90	67	219537	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	9.97	98	738599	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
43) trans-1,3-Dichloropropene-	10.23	79	55530	4.54	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.80%
46) 2-Hexanone-d5	10.59	63	189065	68.05	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	136.10%#
57) 1,1,2,2-Tetrachloroethane-	12.36	84	79277	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	143655	5.54	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.80%

Target Compounds

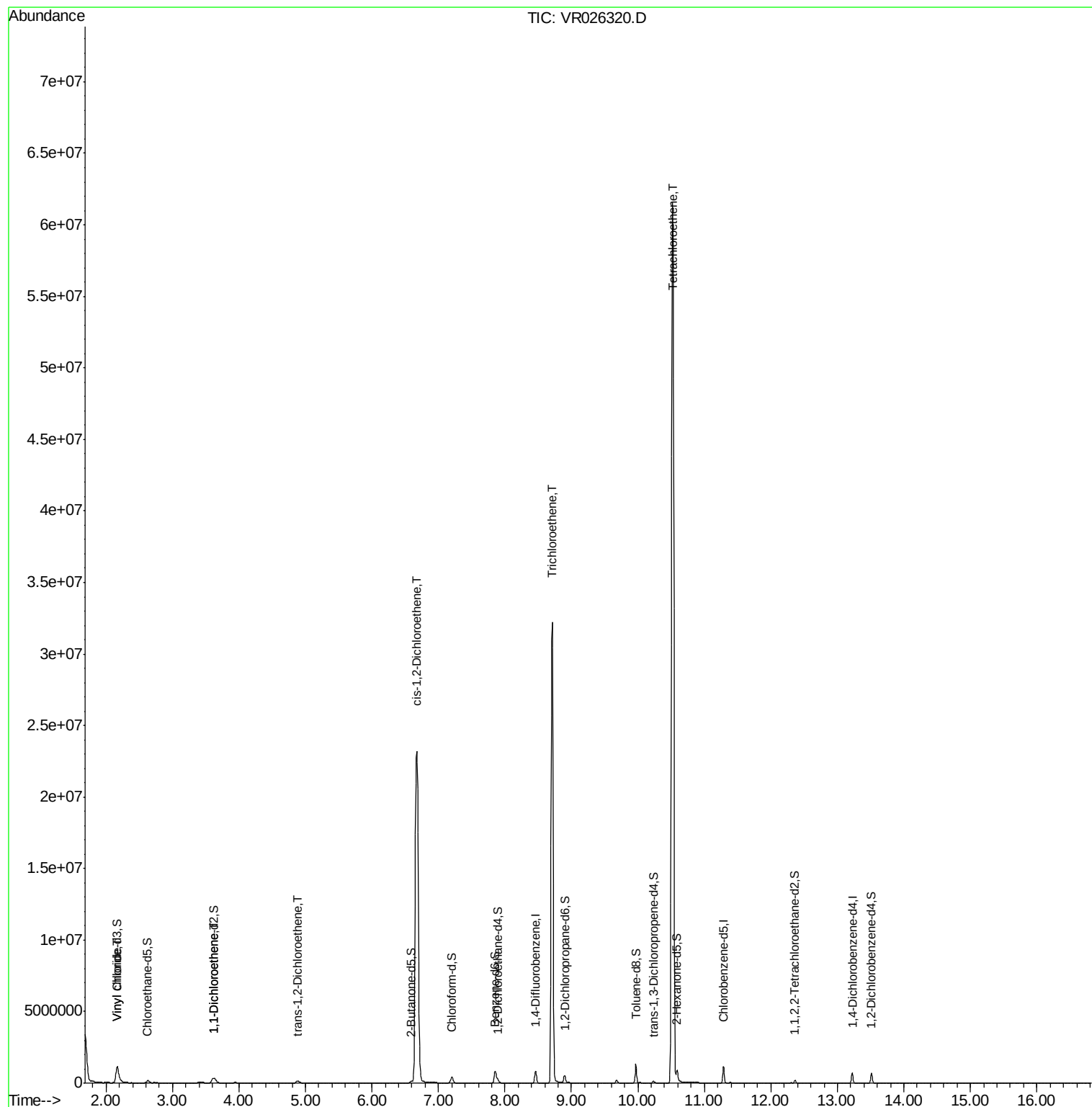
					Ovalue
5) Vinyl chloride	2.17	62	1956016	31.502	ug/L 98
12) 1,1-Dichloroethene	3.63	96	54079	0.966	ug/L # 1
18) trans-1,2-Dichloroethene	4.89	96	68178	1.342	ug/L 97
22) cis-1,2-Dichloroethene	6.67	96	16040642	391.452	ug/L # 69
34) Trichloroethene	8.71	95	11276296	212.777	ug/L 88
47) Tetrachloroethene	10.52	164	17940212	441.178	ug/L 85

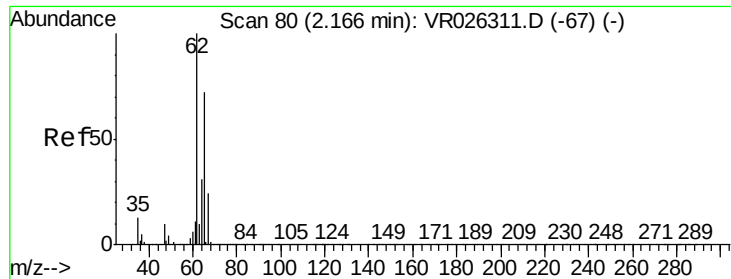
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 31.502 ug/L

RT: 2.17 min Scan# 80

Delta R.T. 0.00 min

Lab File: VR026320.D

Acq: 14 Feb 2019 19:38

Instrument :

MSVOA_R

ClientSampleId :

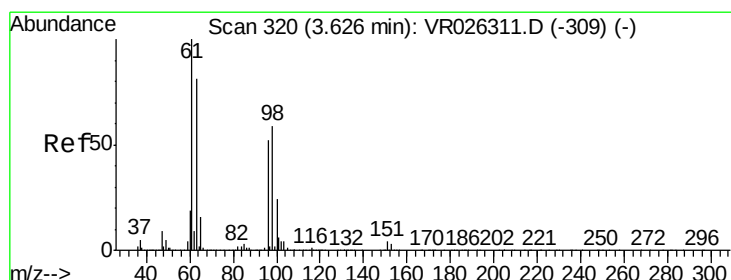
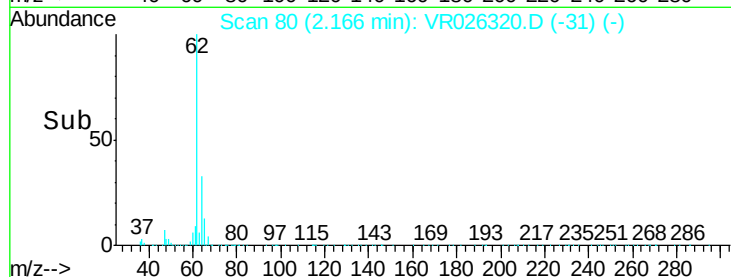
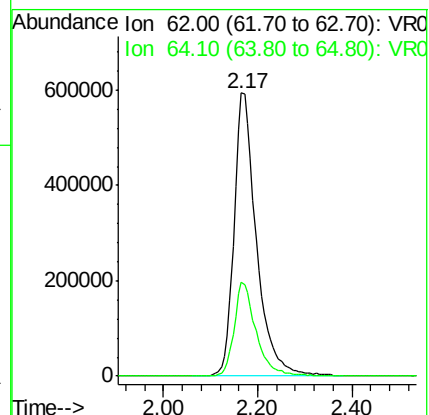
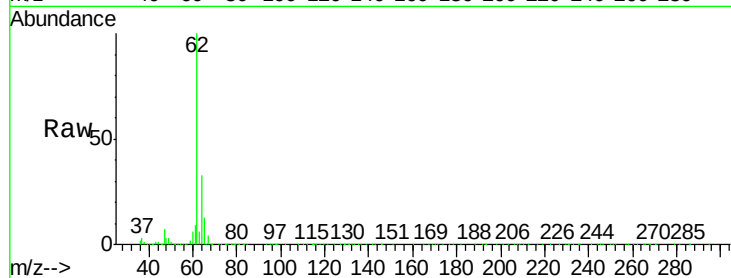
ESXE6

Tot Ion: 62 Resp: 1956016

Ion Ratio Lower Upper

62 100

64 33.1 22.2 41.2



#12

1,1-Dichloroethene

Concen: 0.966 ug/L

RT: 3.63 min Scan# 321

Delta R.T. 0.01 min

Lab File: VR026320.D

Acq: 14 Feb 2019 19:38

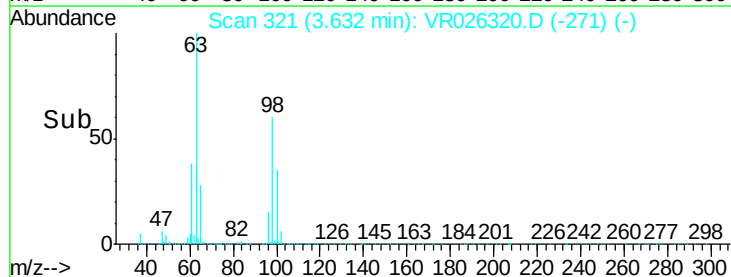
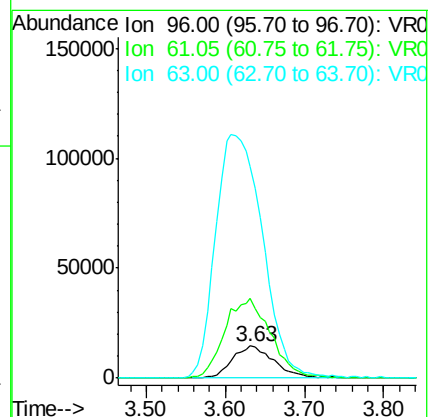
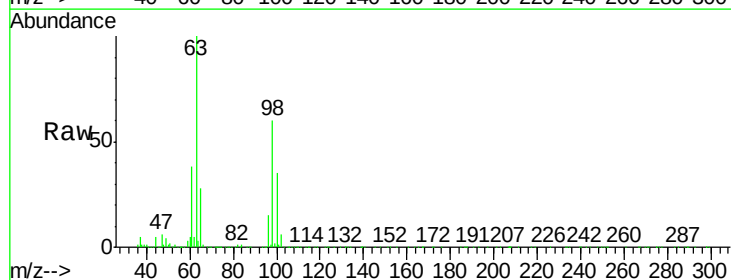
Tgt Ion: 96 Resp: 54079

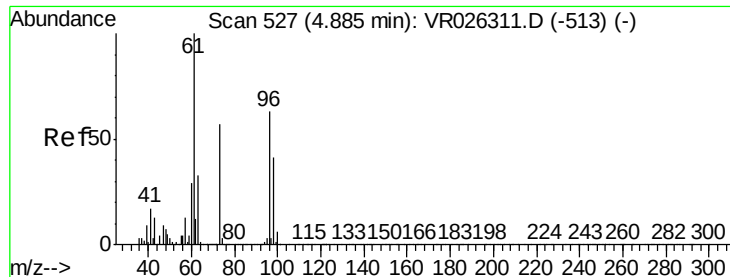
Ion Ratio Lower Upper

96 100

61 247.9 126.0 234.0#

63 659.9 99.7 185.1#





#18

trans-1,2-Dichloroethene

Concen: 1.342 ug/L

RT: 4.89 min Scan# 527

Delta R.T. 0.00 min

Lab File: VR026320.D

Acq: 14 Feb 2019 19:38

Instrument :

MSVOA_R

ClientSampleId :

ESXE6

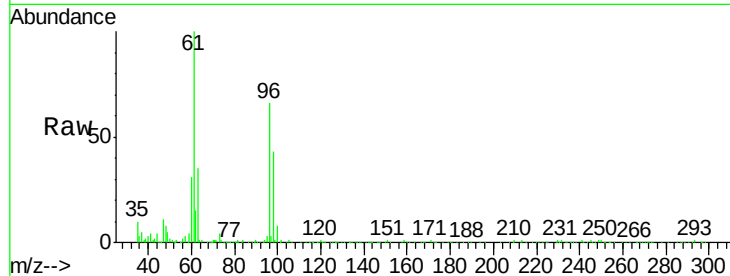
Tot Ion: 96 Resp: 68178

Ion Ratio Lower Upper

96 100

61 151.0 102.5 190.3

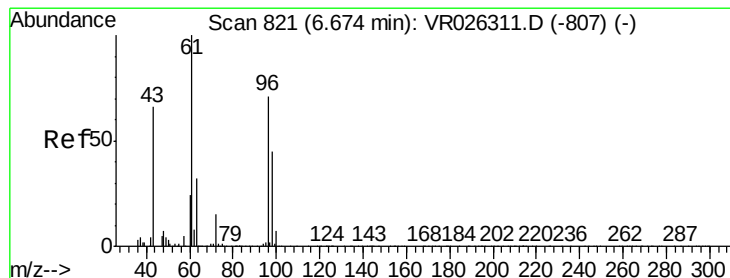
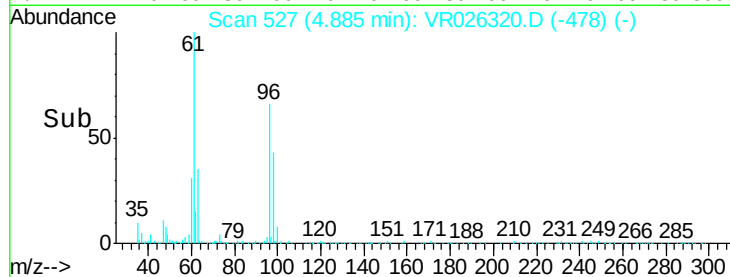
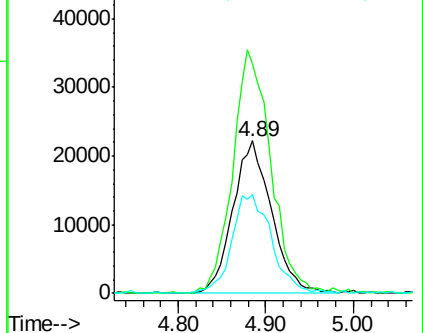
98 64.7 43.9 81.5



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



#22

cis-1,2-Dichloroethene

Concen: 391.452 ug/L

RT: 6.67 min Scan# 821

Delta R.T. 0.00 min

Lab File: VR026320.D

Acq: 14 Feb 2019 19:38

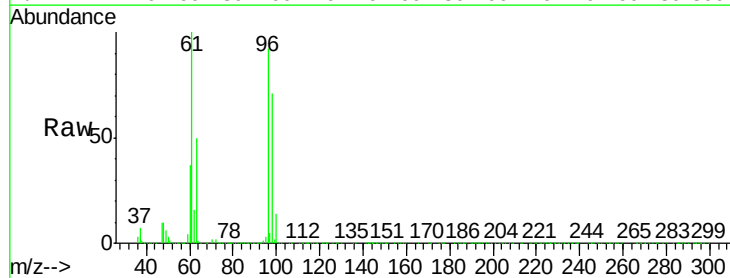
Tgt Ion: 96 Resp:16040642

Ion Ratio Lower Upper

96 100

61 108.8 103.3 191.9

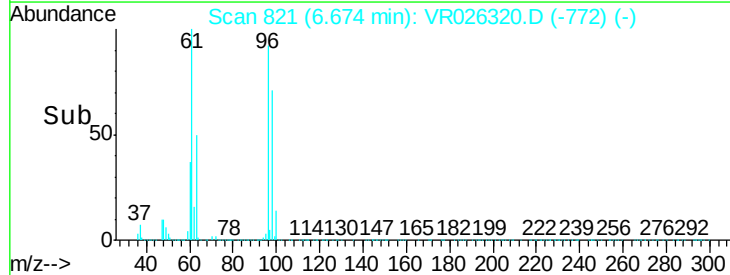
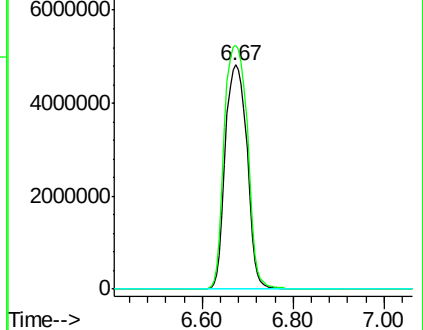
68 0.0 0.1 0.3#

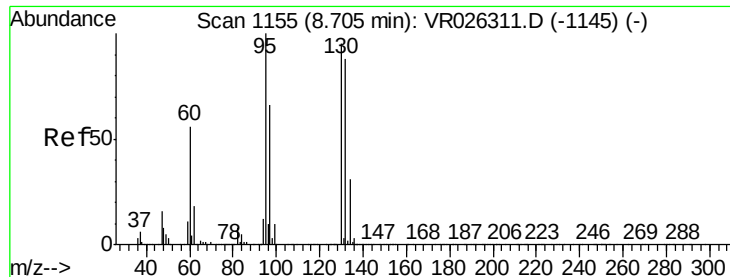


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 68.15 (67.85 to 68.85): VR0





#34

Trichloroethene

Concen: 212.777 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.01 min

Lab File: VR026320.D

Acq: 14 Feb 2019 19:38

Instrument :

MSVOA_R

ClientSampleId :

ESXE6

Tot Ion: 95 Resp:11276296

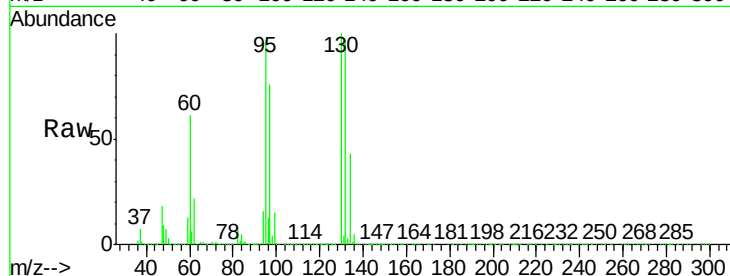
Ion Ratio Lower Upper

95 100

97 77.8 46.6 86.6

132 99.8 61.9 114.9

130 102.7 64.3 119.5

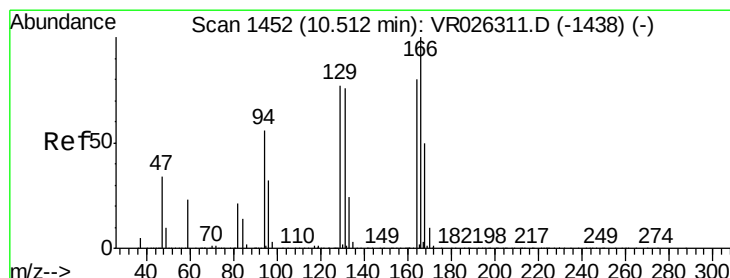
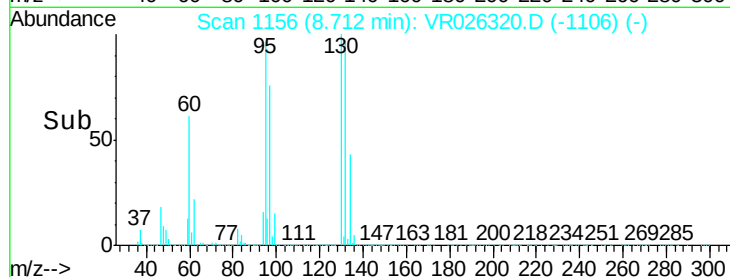
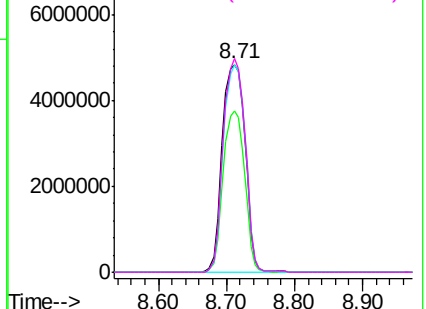


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 441.178 ug/L

RT: 10.52 min Scan# 1453

Delta R.T. 0.01 min

Lab File: VR026320.D

Acq: 14 Feb 2019 19:38

Tgt Ion:164 Resp:17940212

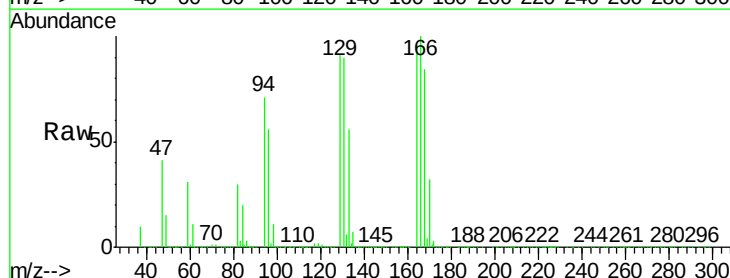
Ion Ratio Lower Upper

164 100

129 95.0 71.5 132.9

131 93.7 72.8 135.2

166 104.3 93.4 173.4



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

