

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR021419\
 Data File : VR026323.D
 Acq On : 14 Feb 2019 21:18
 Operator : SY/MD
 Sample : K1488-13
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 ESXE9

Quant Time: Feb 15 05:33:53 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	622445	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	533254	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	172079	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	250013	4.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.20%
7) Chloroethane-d5	2.63	69	196494	4.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.60%
11) 1,1-Dichloroethene-d2	3.63	63	456076	3.34	ug/L	0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.80%
20) 2-Butanone-d5	6.59	46	192250	53.13	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.26%
24) Chloroform-d	7.20	84	413366	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
26) 1,2-Dichloroethane-d4	7.89	65	161724	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
32) Benzene-d6	7.85	84	823041	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	8.89	67	220859	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.80%
41) Toluene-d8	9.97	98	739001	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
43) trans-1,3-Dichloropropene-	10.23	79	53103	4.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.60%
46) 2-Hexanone-d5	10.59	63	180734	63.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	126.74%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	81717	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.40%
64) 1,2-Dichlorobenzene-d4	13.51	152	148551	5.16	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.20%

Target Compounds

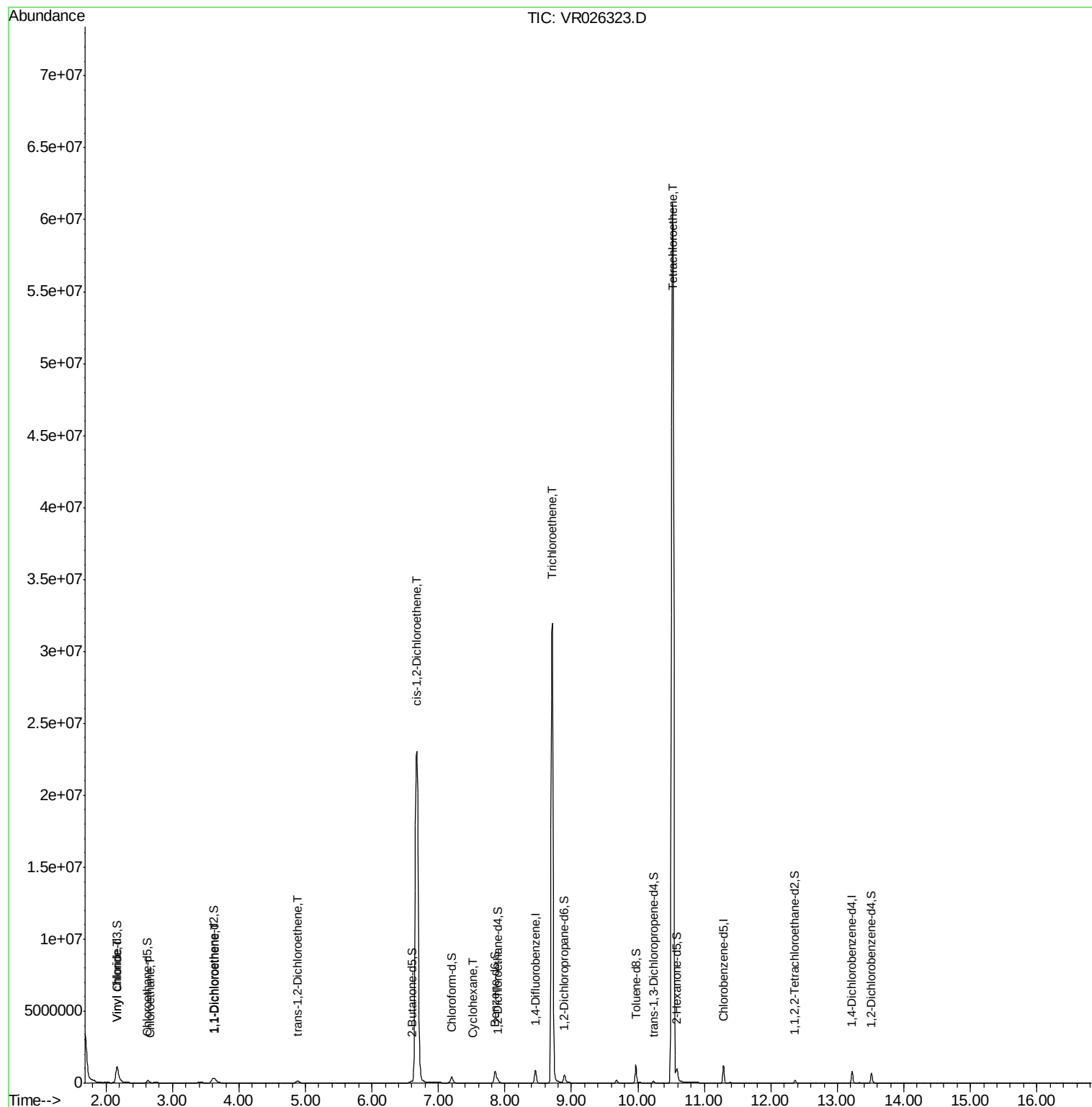
					Ovalue
5) Vinyl chloride	2.17	62	1930527	29.265	ug/L 98
8) Chloroethane	2.66	64	4323	0.109	ug/L 95
12) 1,1-Dichloroethene	3.63	96	51445	0.865	ug/L # 1
18) trans-1,2-Dichloroethene	4.89	96	75665	1.402	ug/L 94
22) cis-1,2-Dichloroethene	6.67	96	16071550	369.158	ug/L # 69
30) Cyclohexane	7.53	56	6618	0.094	ug/L # 78
34) Trichloroethene	8.71	95	11338333	208.411	ug/L 88
47) Tetrachloroethene	10.52	164	18052807	432.459	ug/L 85

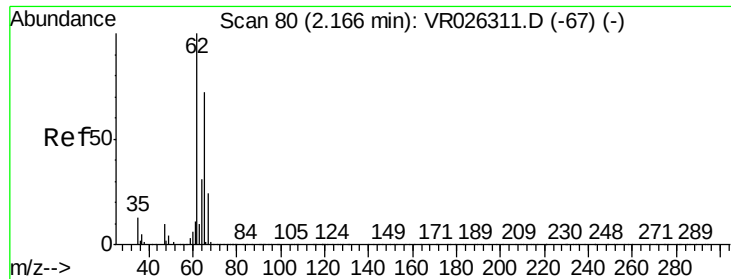
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Feb 14 14:16:44 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 29.265 ug/L

RT: 2.17 min Scan# 80

Delta R.T. 0.00 min

Lab File: VR026323.D

Acq: 14 Feb 2019 21:18

Instrument :

MSVOA_R

ClientSampleId :

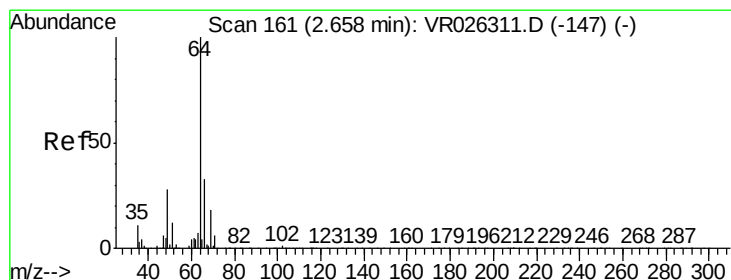
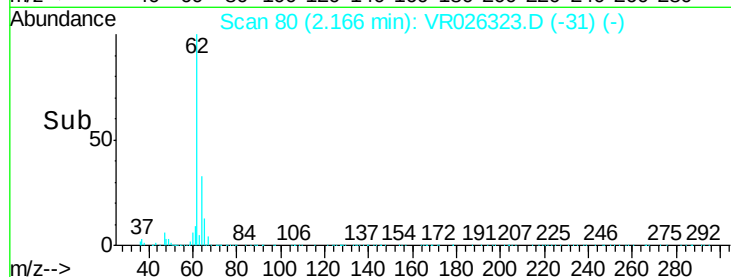
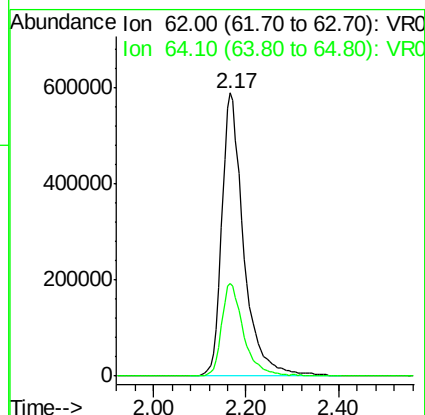
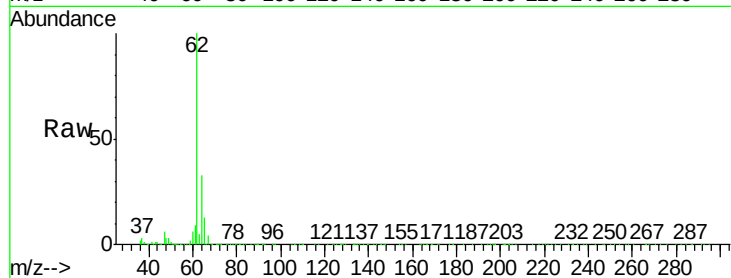
ESXE9

Tot Ion: 62 Resp: 1930527

Ion Ratio Lower Upper

62 100

64 32.7 22.2 41.2



#8

Chloroethane

Concen: 0.109 ug/L

RT: 2.66 min Scan# 162

Delta R.T. 0.01 min

Lab File: VR026323.D

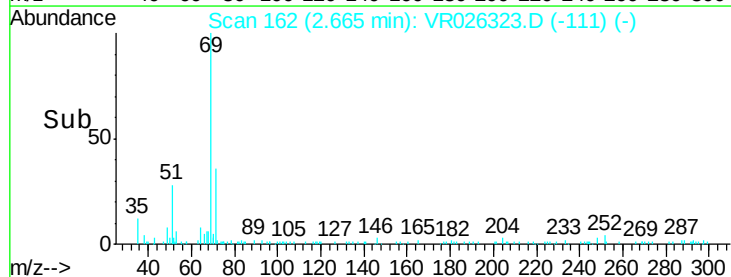
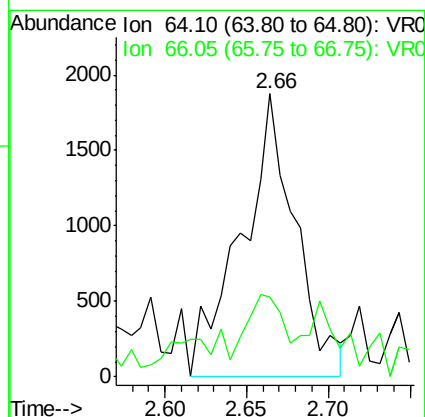
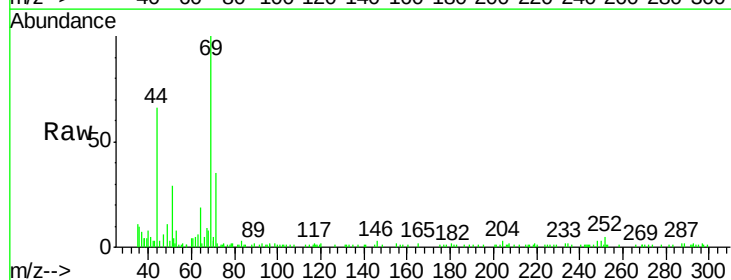
Acq: 14 Feb 2019 21:18

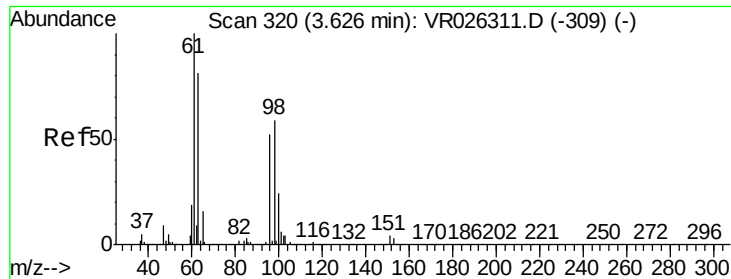
Tgt Ion: 64 Resp: 4323

Ion Ratio Lower Upper

64 100

66 28.4 22.0 40.8





#12

1,1-Dichloroethene

Concen: 0.865 ug/L

RT: 3.63 min Scan# 321

Delta R.T. 0.01 min

Lab File: VR026323.D

Acq: 14 Feb 2019 21:18

Instrument :

MSVOA_R

ClientSampled :

ESXE9

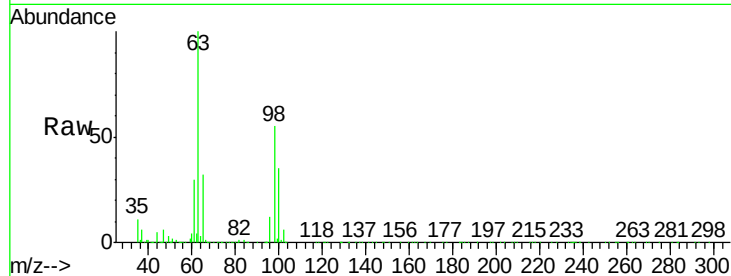
Tot Ion: 96 Resp: 51445

Ion Ratio Lower Upper

96 100

61 238.9 126.0 234.0#

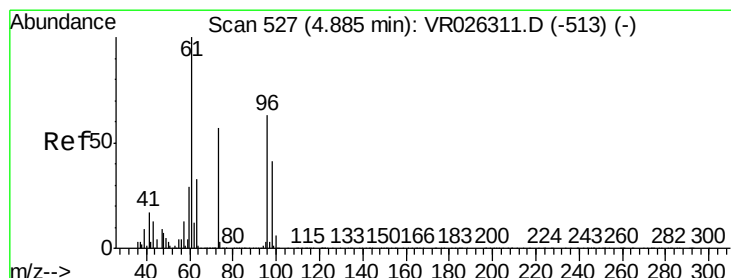
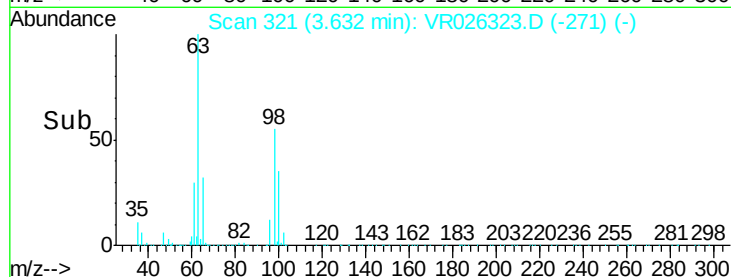
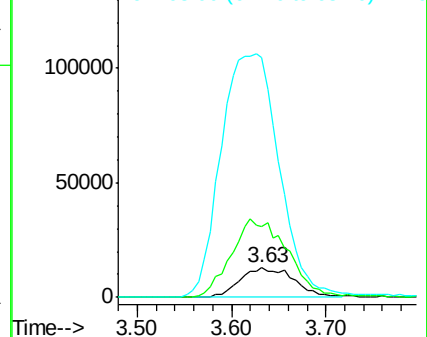
63 806.5 99.7 185.1#



Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0



#18

trans-1,2-Dichloroethene

Concen: 1.402 ug/L

RT: 4.89 min Scan# 527

Delta R.T. 0.00 min

Lab File: VR026323.D

Acq: 14 Feb 2019 21:18

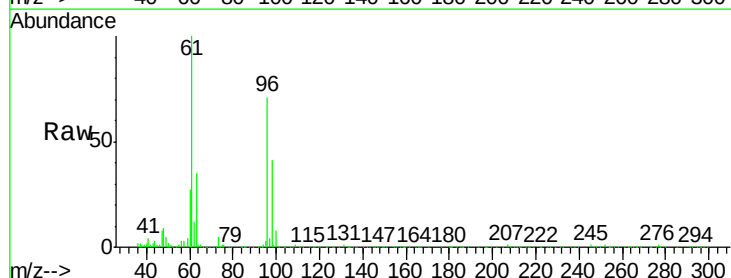
Tgt Ion: 96 Resp: 75665

Ion Ratio Lower Upper

96 100

61 140.5 102.5 190.3

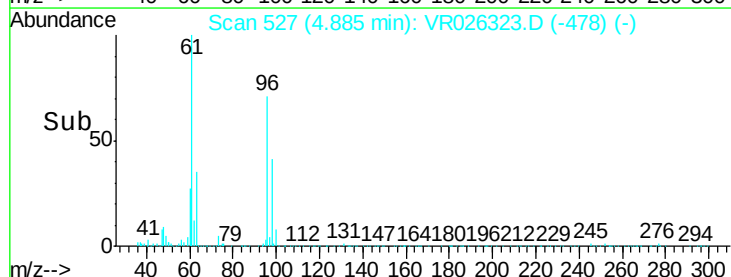
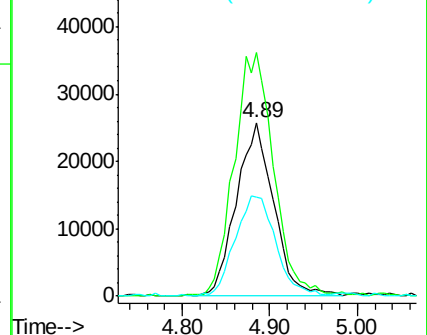
98 56.9 43.9 81.5

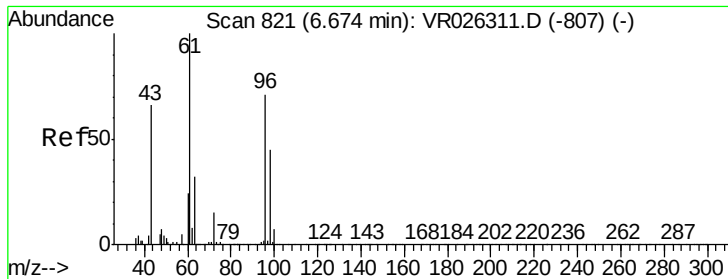


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0



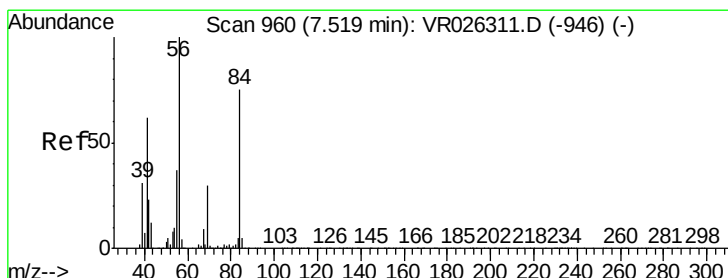
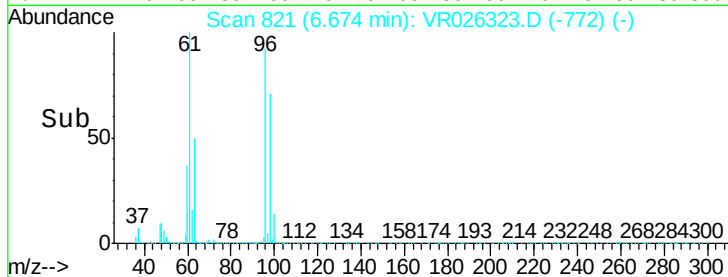
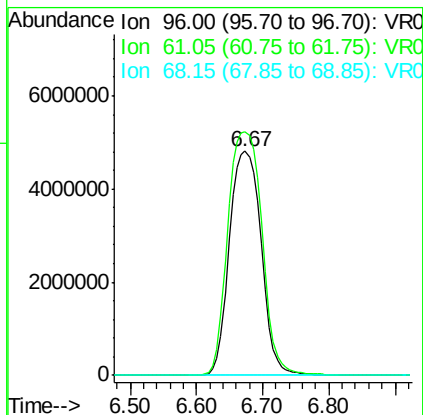
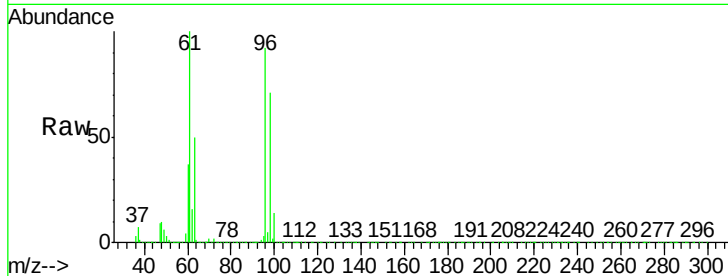


#22

cis-1,2-Dichloroethene
 Concen: 369.158 ug/L
 RT: 6.67 min Scan# 821
 Delta R.T. 0.00 min
 Lab File: VR026323.D
 Acq: 14 Feb 2019 21:18

Instrument :
 MSVOA_R
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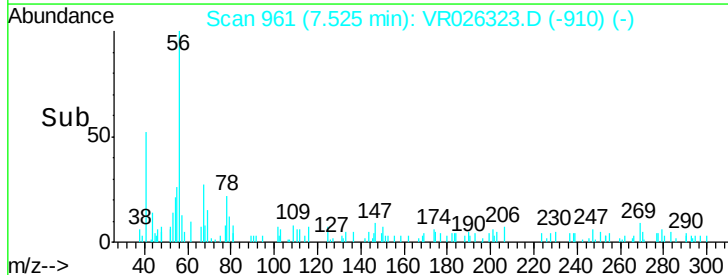
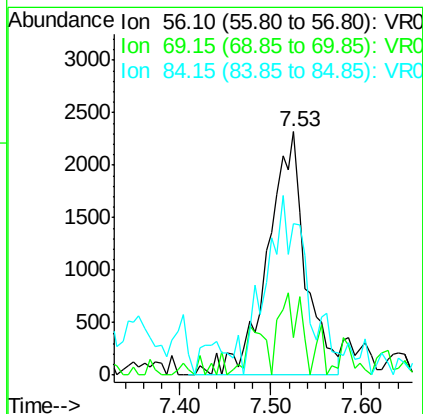
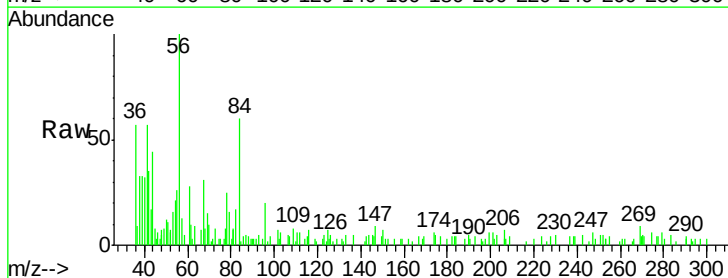
Tot Ion: 96 Resp:16071550
 Ion Ratio Lower Upper
 96 100
 61 108.8 103.3 191.9
 68 0.0 0.1 0.3#

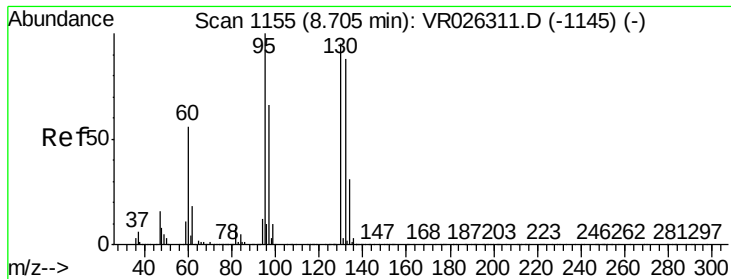


#30

Cyclohexane
 Concen: 0.094 ug/L
 RT: 7.53 min Scan# 961
 Delta R.T. 0.01 min
 Lab File: VR026323.D
 Acq: 14 Feb 2019 21:18

Tgt Ion: 56 Resp: 6618
 Ion Ratio Lower Upper
 56 100
 69 18.7 23.4 35.2#
 84 60.2 63.8 95.6#





#34

Trichloroethene

Concen: 208.411 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.01 min

Lab File: VR026323.D

Acq: 14 Feb 2019 21:18

Instrument :

MSVOA_R

ClientSampleId :

ESXE9

Tot Ion: 95 Resp:11338333

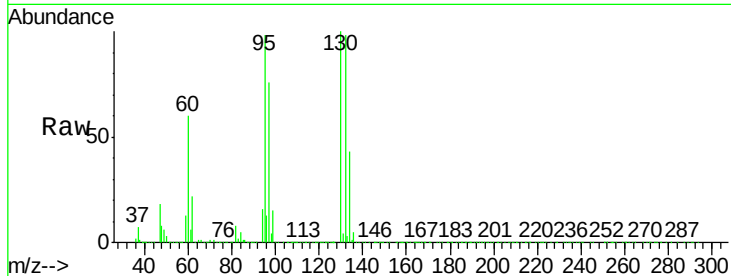
Ion Ratio Lower Upper

95 100

97 77.3 46.6 86.6

132 100.4 61.9 114.9

130 102.2 64.3 119.5

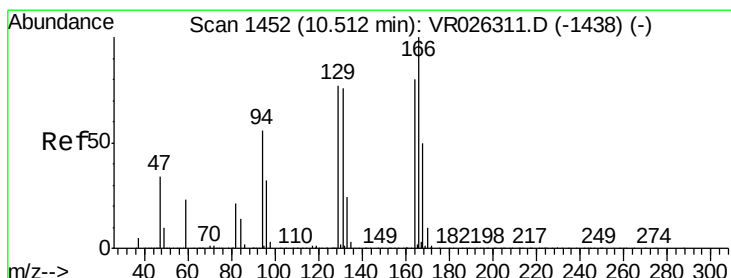
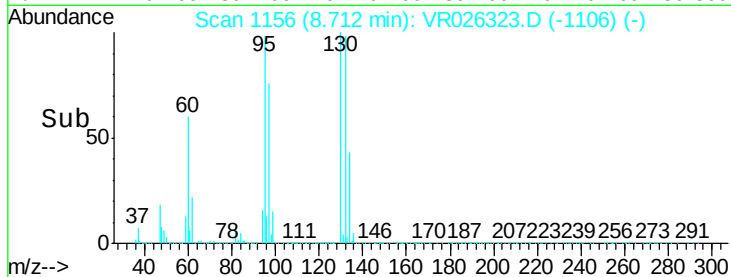
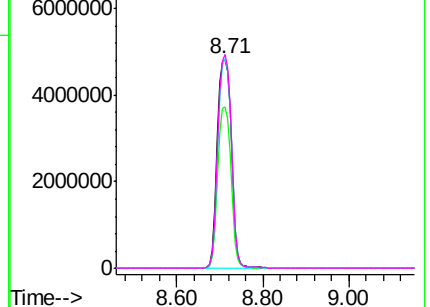


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 432.459 ug/L

RT: 10.52 min Scan# 1453

Delta R.T. 0.01 min

Lab File: VR026323.D

Acq: 14 Feb 2019 21:18

Tgt Ion:164 Resp:18052807

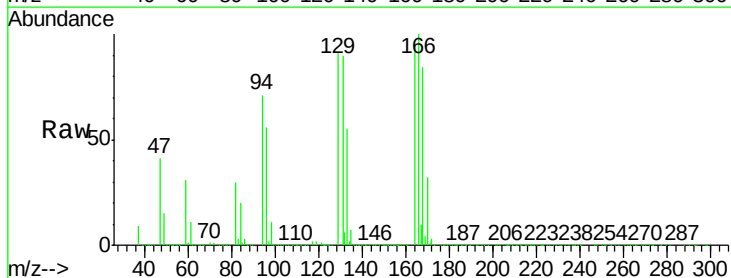
Ion Ratio Lower Upper

164 100

129 95.0 71.5 132.9

131 93.8 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

