

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101020\
 Data File : VV018842.D
 Acq On : 10 Oct 2020 18:58
 Operator : SY/MD
 Sample : L4289-04
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AG7

Quant Time: Oct 12 06:16:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 12 04:43:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	281313	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	297989	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	130413	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	96764	37.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.72%
7) Chloroethane-d5	1.58	69	80707	39.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.46%
11) 1,1-Dichloroethene-d2	2.12	63	135517	27.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.00%#
21) 2-Butanone-d5	3.91	46	188361	120.01	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	120.01%
24) Chloroform-d	4.38	84	206609	45.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.62%
26) 1,2-Dichloroethane-d4	5.06	65	137547	44.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.98%
32) Benzene-d6	5.07	84	354957	37.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	74.02%
36) 1,2-Dichloropropane-d6	6.09	67	122560	39.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	78.38%
41) Toluene-d8	7.34	98	300861	35.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	70.68%#
43) trans-1,3-Dichloropropene-	7.64	79	51566	33.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.48%
47) 2-Hexanone-d5	8.11	63	84908	77.47	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	77.47%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	151883	42.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.44%
64) 1,2-Dichlorobenzene-d4	11.65	152	138432	47.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.92%

Target Compounds

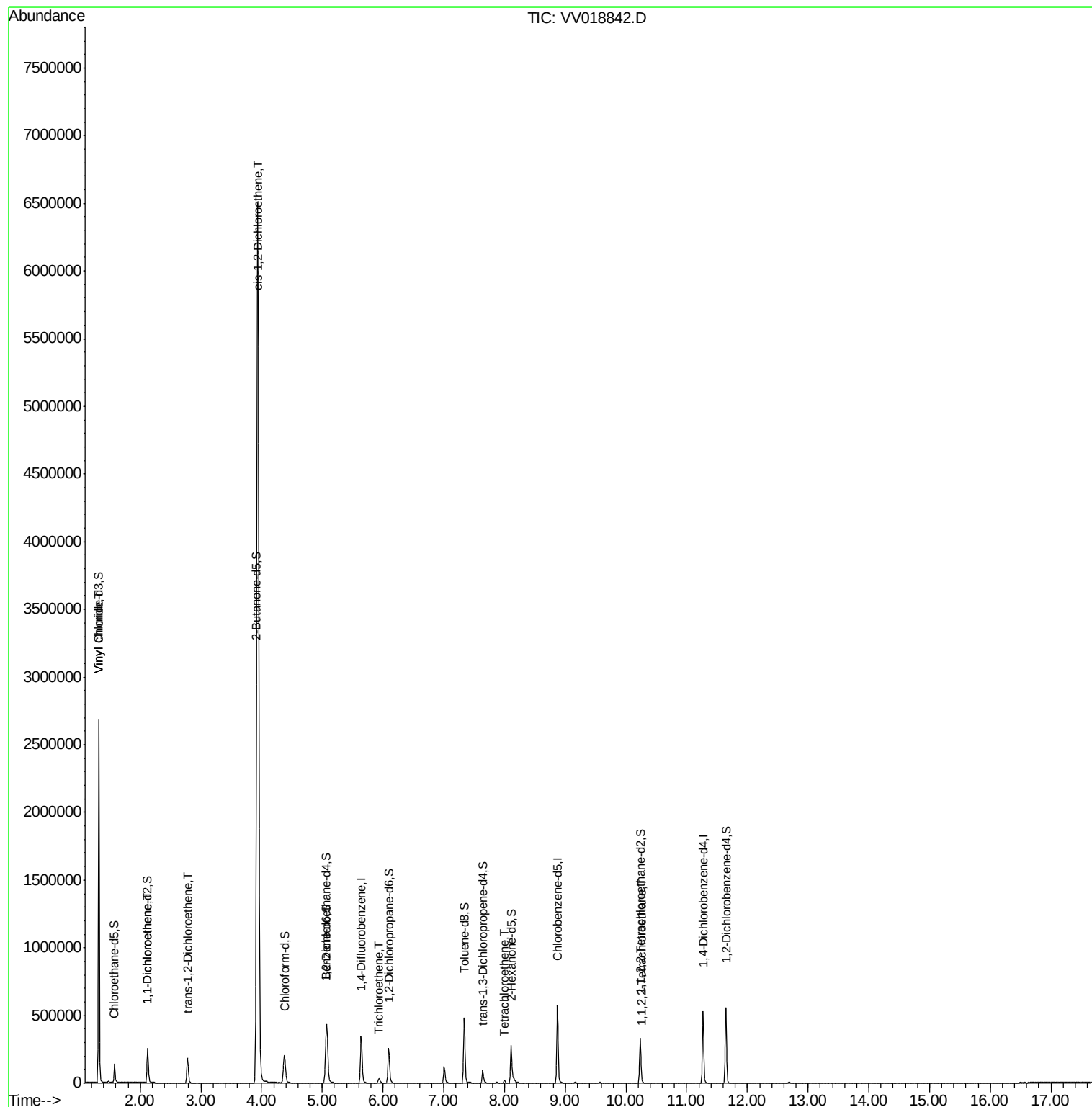
					Ovalue
5) Vinyl chloride	1.32	62	1545085	622.052	ug/L 99
12) 1,1-Dichloroethene	2.13	96	5833	2.996	ug/L # 1
17) trans-1,2-Dichloroethene	2.78	96	67074	32.638	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	3435174	1581.607	ug/L 100
34) Trichloroethene	5.94	95	5588	2.054	ug/L 88
46) Tetrachloroethene	8.00	164	4171	2.092	ug/L 94
58) 1,1,2,2-Tetrachloroethane	10.26	83	6184	1.901	ug/L 94

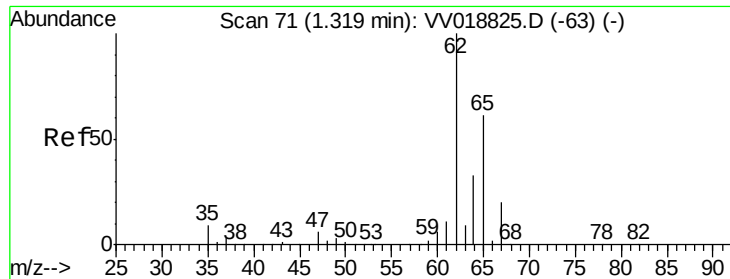
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 622.052 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018842.D

Acq: 10 Oct 2020 18:58

Instrument :

MSVOA_V

ClientSampleId :

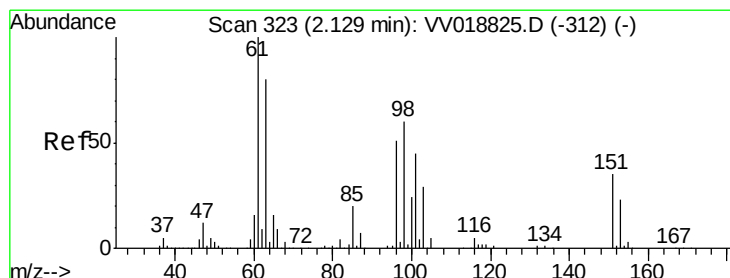
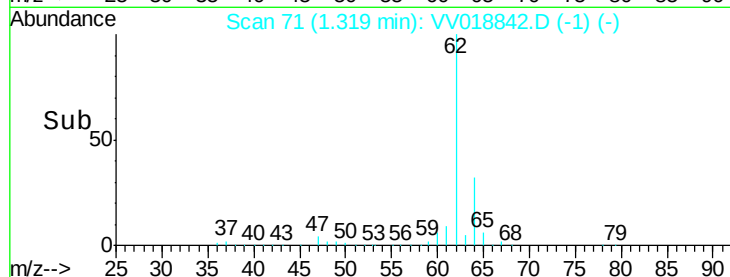
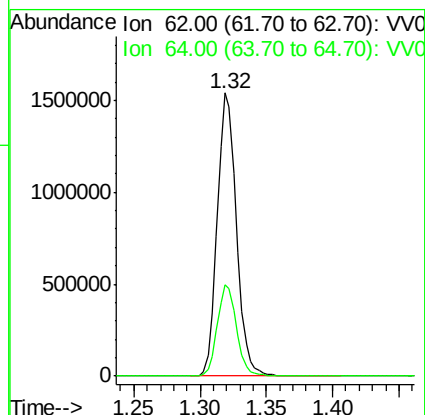
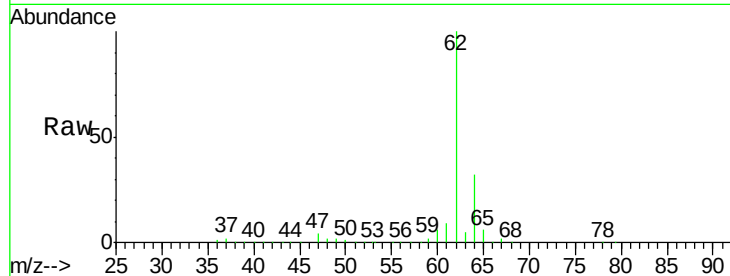
C0AG7

Tot Ion: 62 Resp: 1545085

Ion Ratio Lower Upper

62 100

64 32.3 23.2 43.0



#12

1,1-Dichloroethene

Concen: 2.996 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018842.D

Acq: 10 Oct 2020 18:58

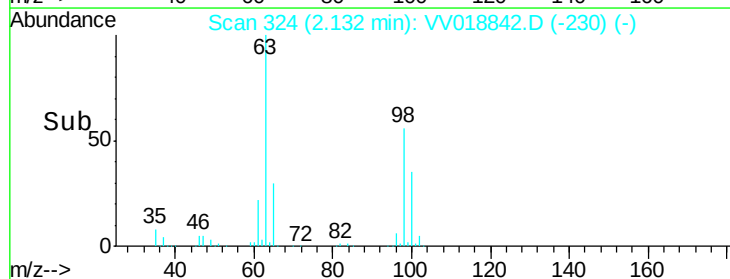
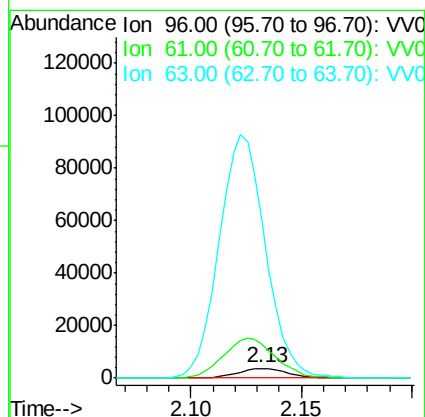
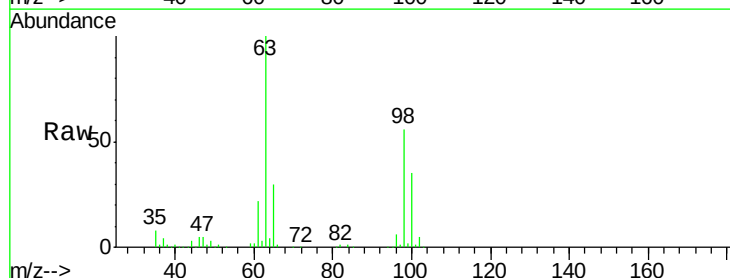
Tgt Ion: 96 Resp: 5833

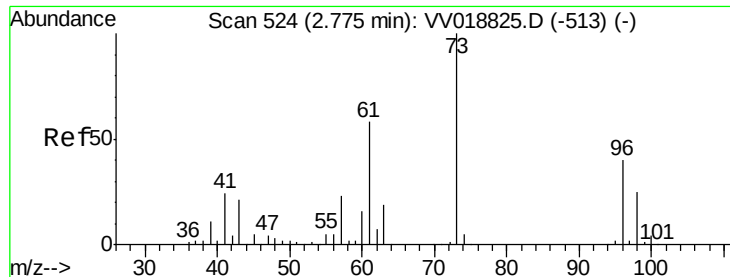
Ion Ratio Lower Upper

96 100

61 351.7 133.6 248.0#

63 1634.6 108.4 201.4#





#17

trans-1,2-Dichloroethene

Concen: 32.638 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV018842.D

Acq: 10 Oct 2020 18:58

Instrument :

MSVOA_V

ClientSampleId :

C0AG7

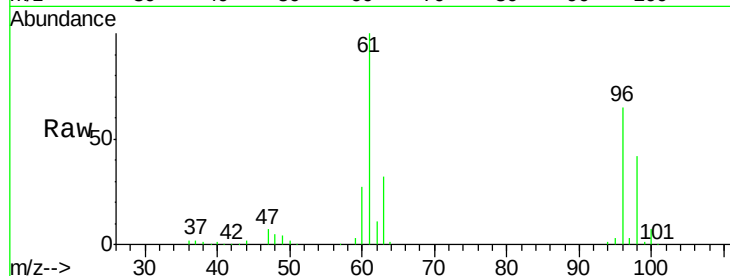
Tot Ion: 96 Resp: 67074

Ion Ratio Lower Upper

96 100

61 152.8 105.7 196.3

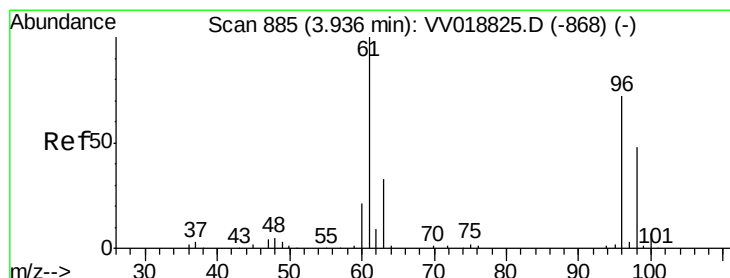
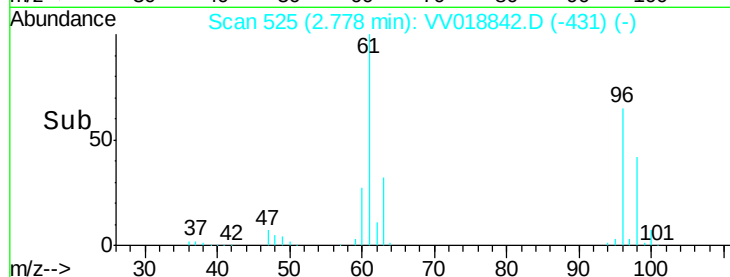
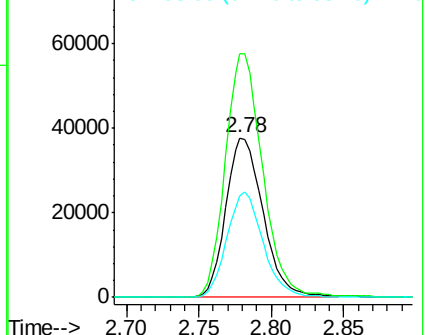
98 63.8 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 1581.607 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV018842.D

Acq: 10 Oct 2020 18:58

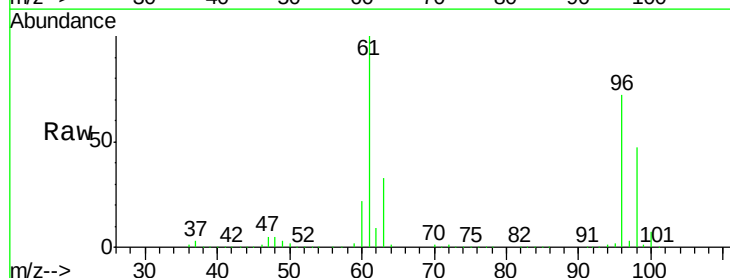
Tgt Ion: 96 Resp: 3435174

Ion Ratio Lower Upper

96 100

61 139.6 97.3 180.7

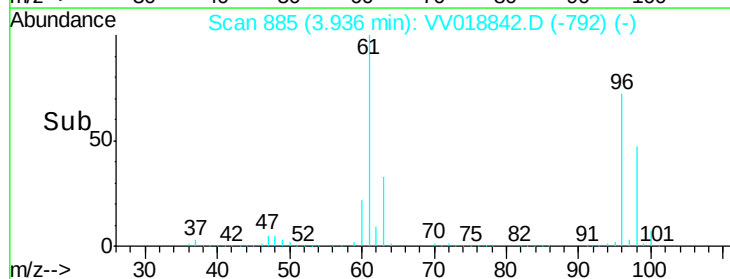
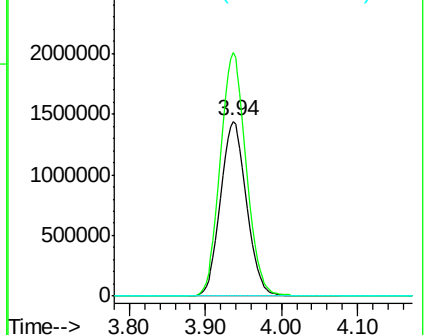
68 0.0 0.0 0.0

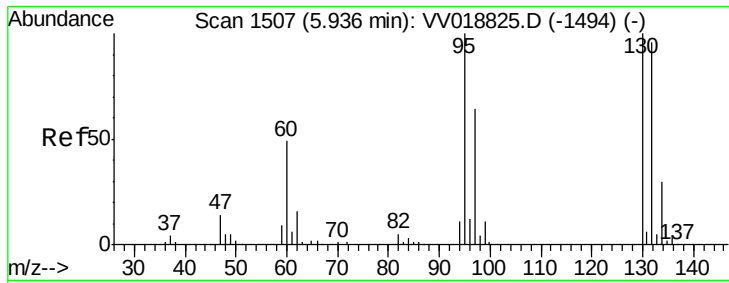


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#34

Trichloroethene

Concen: 2.054 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV018842.D

Acq: 10 Oct 2020 18:58

Instrument :

MSVOA_V

ClientSampleId :

C0AG7

Tot Ion: 95 Resp: 5588

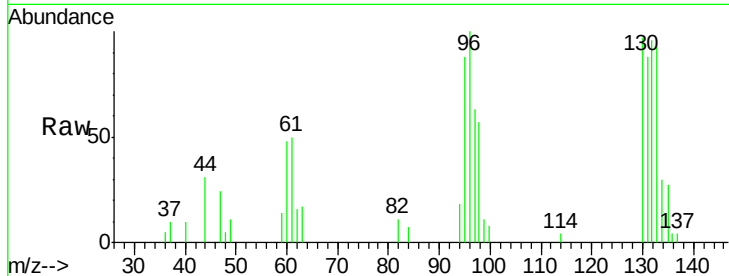
Ion Ratio Lower Upper

95 100

97 71.5 45.1 83.9

132 108.8 66.2 123.0

130 110.0 69.1 128.3

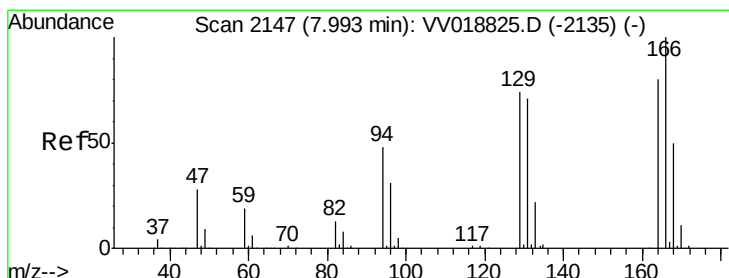
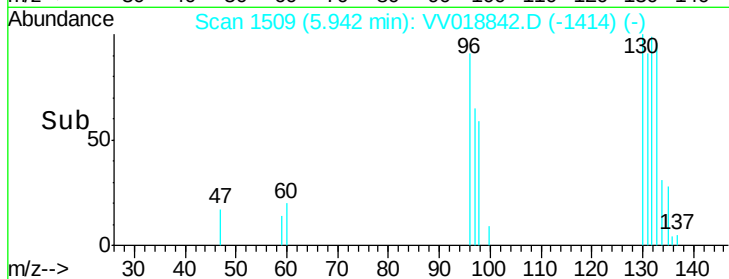
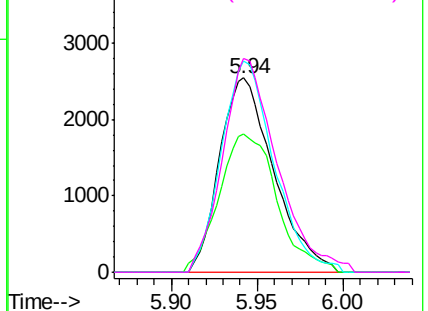


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#46

Tetrachloroethene

Concen: 2.092 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.01 min

Lab File: VV018842.D

Acq: 10 Oct 2020 18:58

Tgt Ion: 164 Resp: 4171

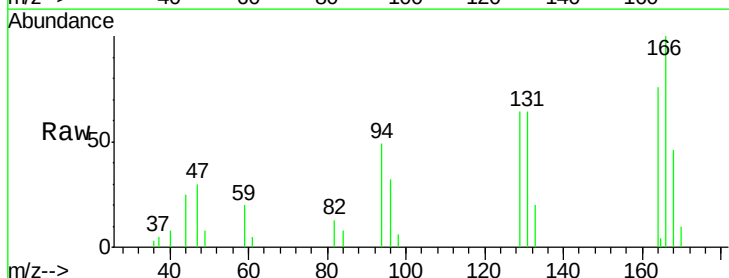
Ion Ratio Lower Upper

164 100

129 84.2 64.6 120.0

131 83.4 63.6 118.0

166 130.8 88.3 164.1

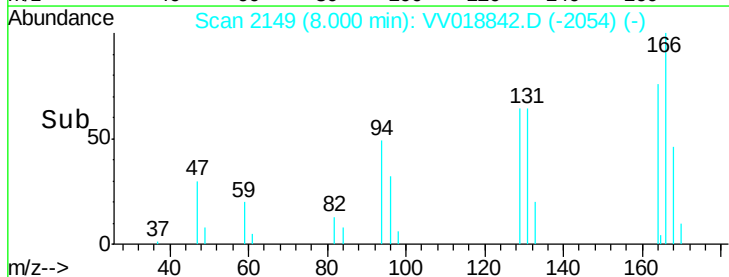
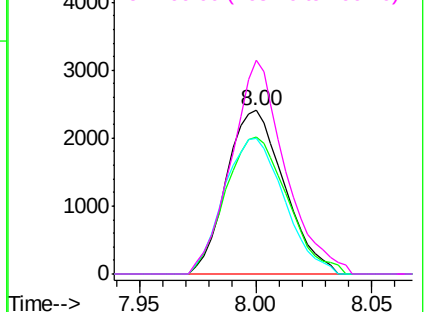


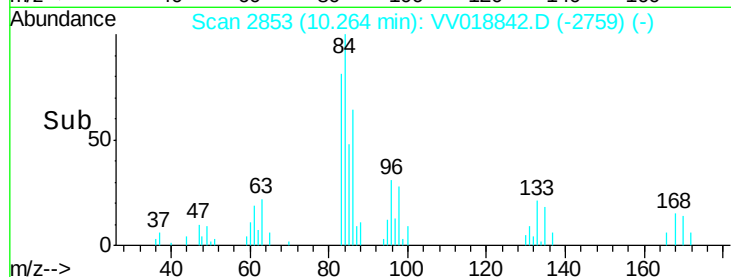
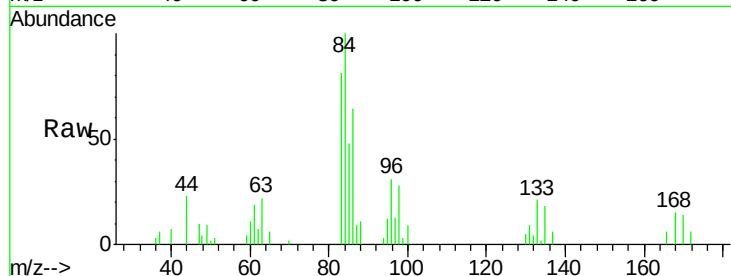
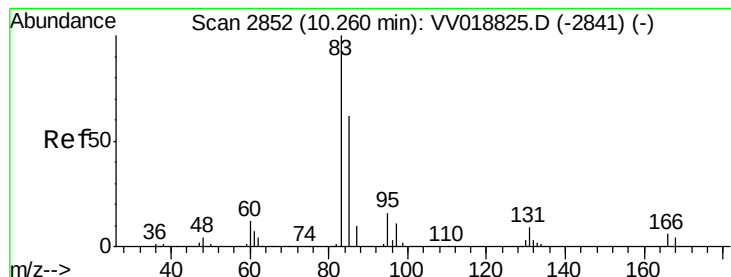
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#58

1,1,2,2-Tetrachloroethane

Concen: 1.901 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV018842.D

Acq: 10 Oct 2020 18:58

Instrument :

MSVOA_V

ClientSampleId :

C0AG7

Tot Ion: 83 Resp: 6184

Ion Ratio Lower Upper

83 100

85 58.9 44.5 82.7

131 11.0 8.0 12.0

