

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101020\
 Data File : VV018834.D
 Acq On : 10 Oct 2020 15:49
 Operator : SY/MD
 Sample : L4287-04
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AK2

Quant Time: Oct 12 05:30:26 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	309731	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	293936	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	140082	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	95403	33.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.80%
7) Chloroethane-d5	1.58	69	87138	38.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.94%
11) 1,1-Dichloroethene-d2	2.12	63	163396	30.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.22%
21) 2-Butanone-d5	3.92	46	194442	112.52	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.52%
24) Chloroform-d	4.38	84	210607	42.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.84%
26) 1,2-Dichloroethane-d4	5.06	65	152091	45.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.38%
32) Benzene-d6	5.08	84	404747	42.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.58%
36) 1,2-Dichloropropane-d6	6.09	67	139633	45.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.54%
41) Toluene-d8	7.34	98	350967	41.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.60%
43) trans-1,3-Dichloropropene-	7.64	79	61628	40.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.76%
47) 2-Hexanone-d5	8.11	63	111697	103.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.32%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	175144	49.36	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.72%
64) 1,2-Dichlorobenzene-d4	11.65	152	148197	47.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

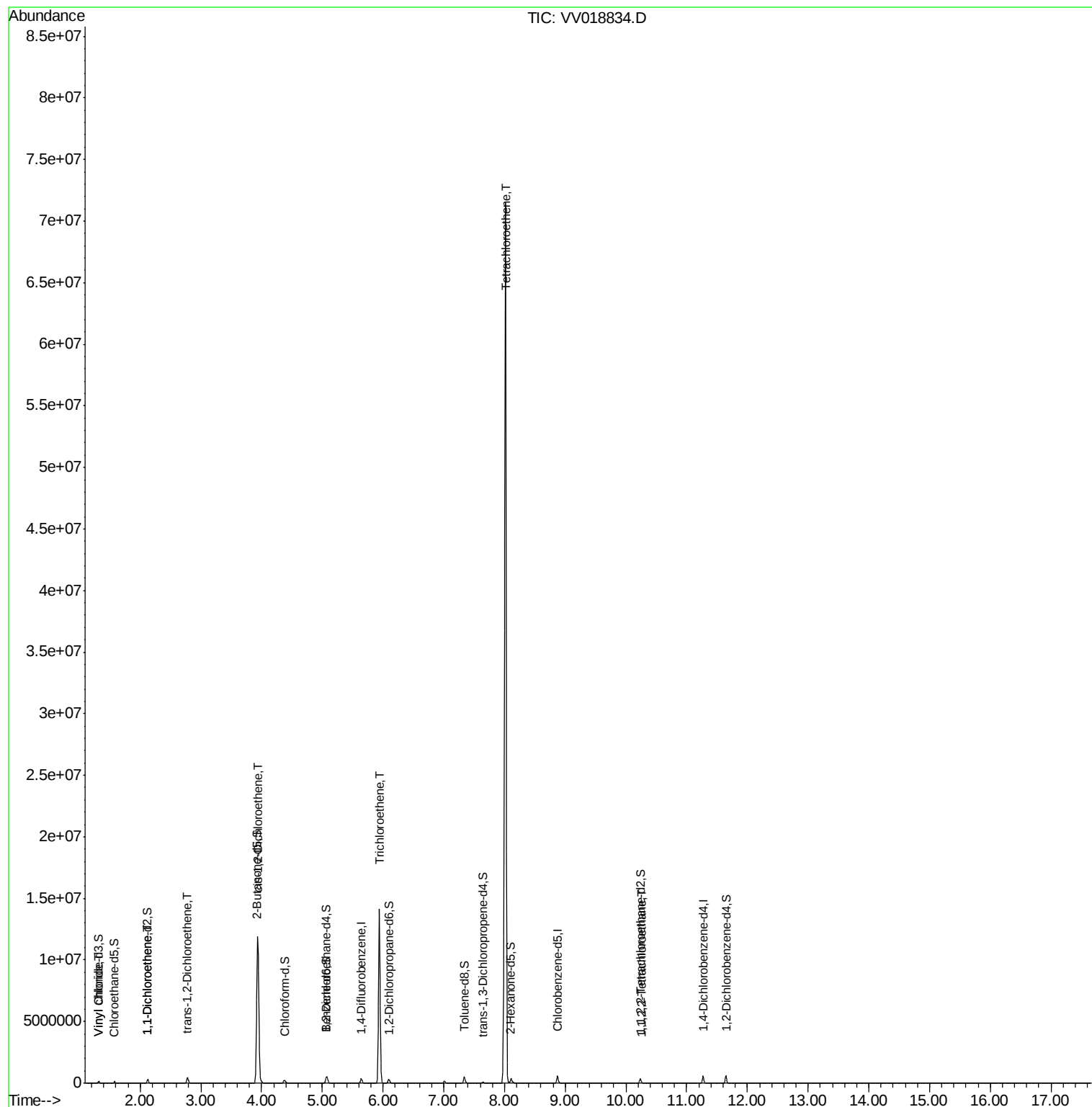
					Ovalue
5) Vinyl chloride	1.32	62	11113	4.064	ug/L # 82
12) 1,1-Dichloroethene	2.14	96	24670	11.508	ug/L # 41
17) trans-1,2-Dichloroethene	2.78	96	160257	70.825	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	6407460	2679.420	ug/L 99
34) Trichloroethene	5.94	95	4718600	1758.114	ug/L 99
46) Tetrachloroethene	8.02	164	17482463	8888.031	ug/L 86
58) 1,1,2,2-Tetrachloroethane	10.26	83	10591	3.300	ug/L # 93

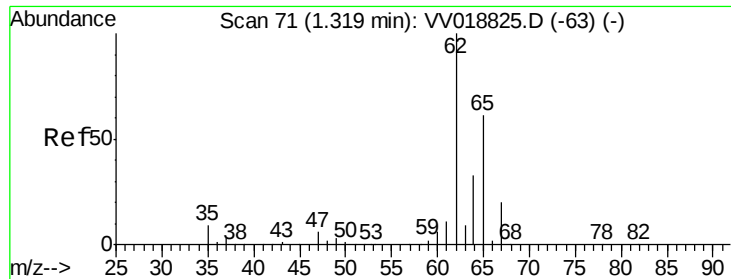
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Mon Oct 12 04:43:49 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 4.064 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018834.D

Acq: 10 Oct 2020 15:49

Instrument :

MSVOA_V

ClientSampleId :

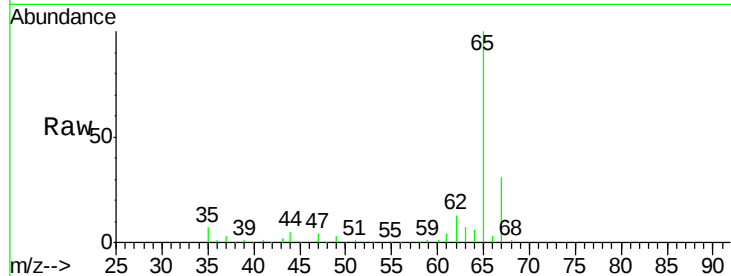
C0AK2

Tot Ion: 62 Resp: 11113

Ion Ratio Lower Upper

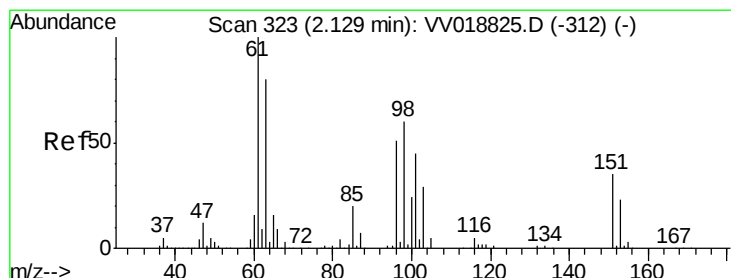
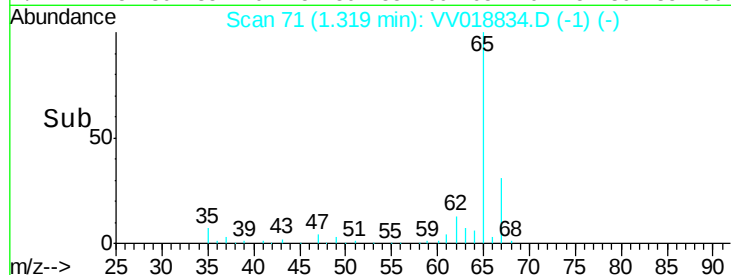
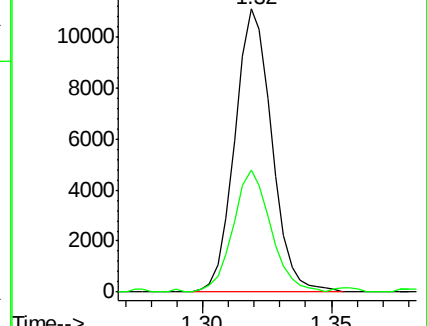
62 100

64 43.2 23.2 43.0#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#12

1,1-Dichloroethene

Concen: 11.508 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.01 min

Lab File: VV018834.D

Acq: 10 Oct 2020 15:49

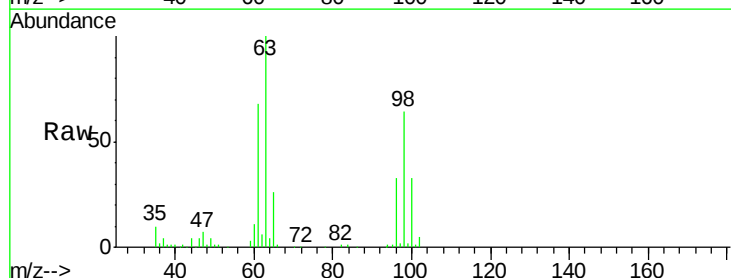
Tgt Ion: 96 Resp: 24670

Ion Ratio Lower Upper

96 100

61 207.6 133.6 248.0

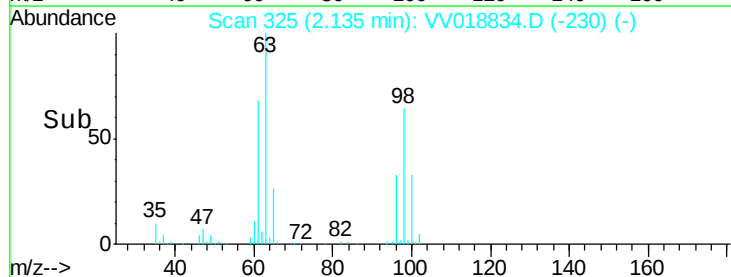
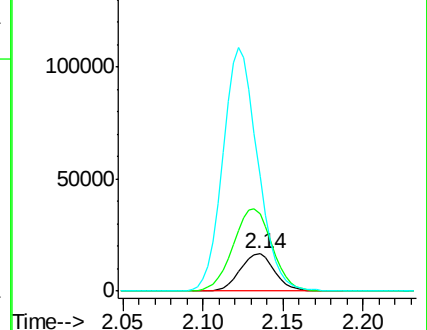
63 306.3 108.4 201.4#

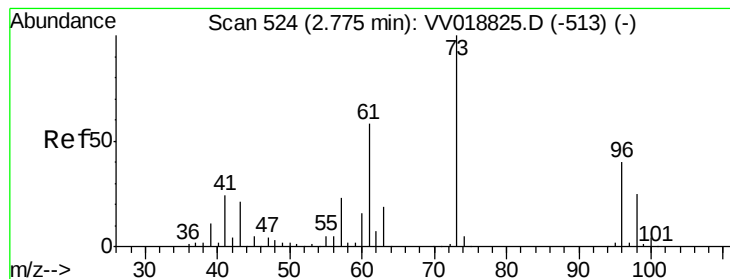


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 70.825 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV018834.D

Acq: 10 Oct 2020 15:49

Instrument :

MSVOA_V

ClientSampleId :

C0AK2

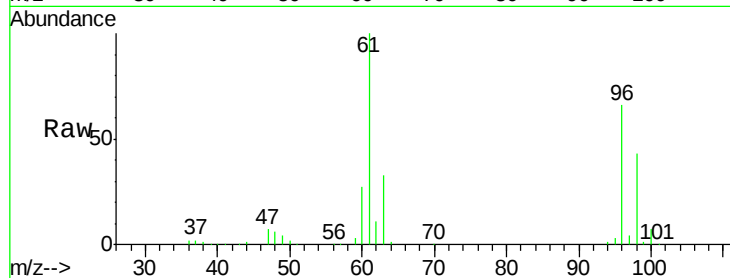
Tot Ion: 96 Resp: 160257

Ion Ratio Lower Upper

96 100

61 151.9 105.7 196.3

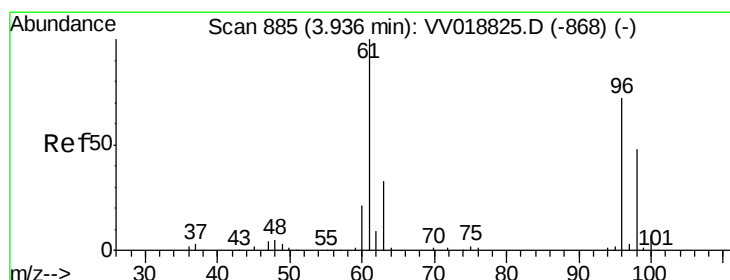
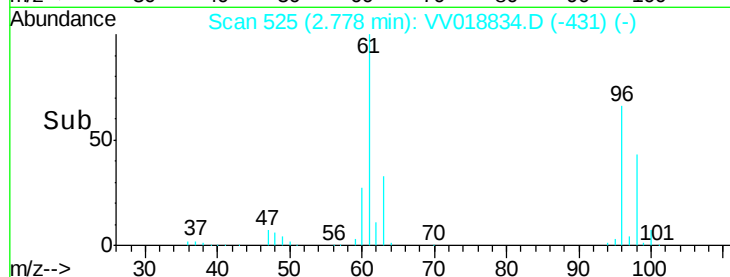
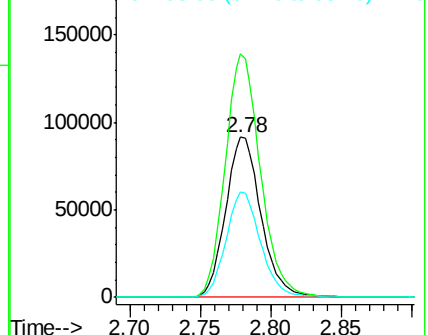
98 65.9 44.7 83.1



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: 2679.420 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV018834.D

Acq: 10 Oct 2020 15:49

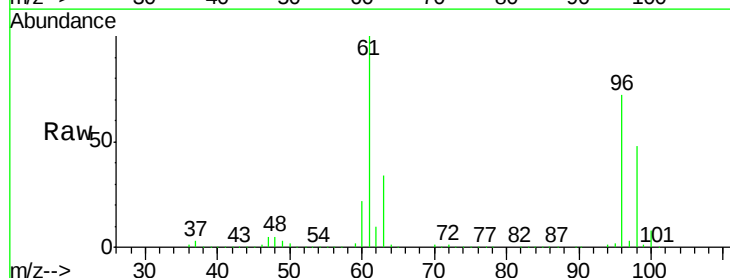
Tgt Ion: 96 Resp: 6407460

Ion Ratio Lower Upper

96 100

61 138.0 97.3 180.7

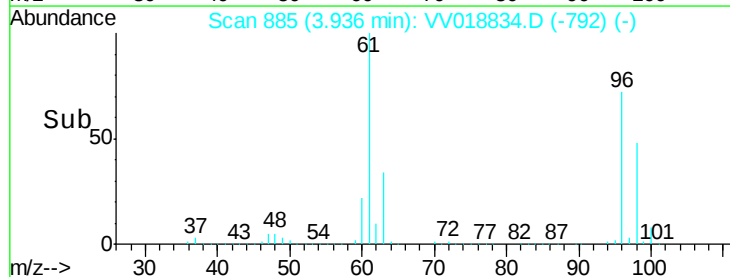
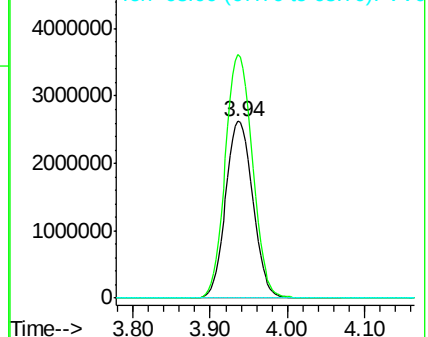
68 0.0 0.0 0.0

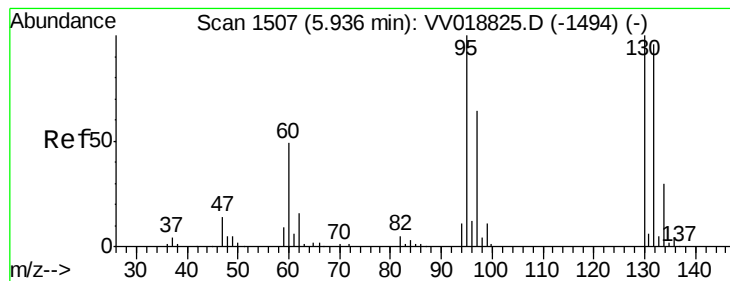


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#34

Trichloroethene

Concen: 1758.114 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018834.D

Acq: 10 Oct 2020 15:49

Instrument :

MSVOA_V

ClientSampleId :

C0AK2

Tot Ion: 95 Resp: 4718600

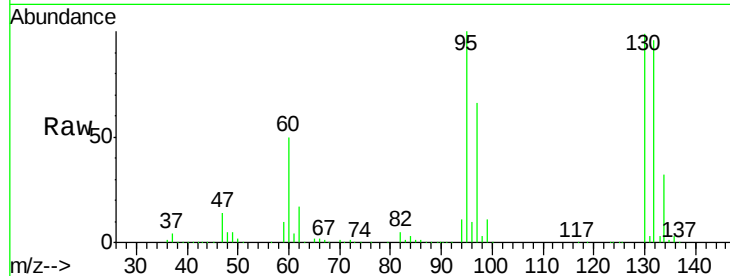
Ion Ratio Lower Upper

95 100

97 66.0 45.1 83.9

132 96.0 66.2 123.0

130 98.9 69.1 128.3

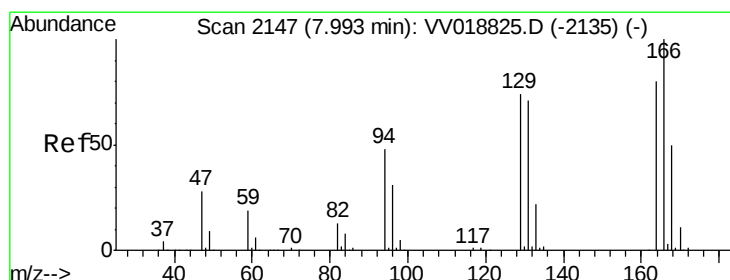
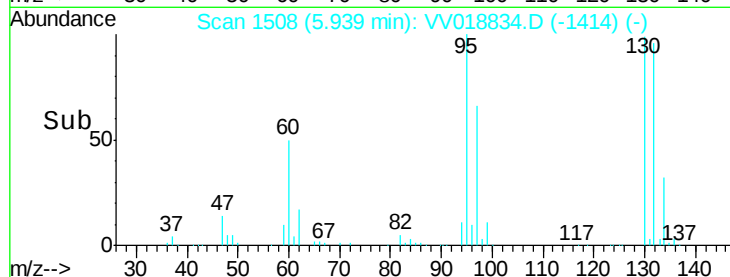
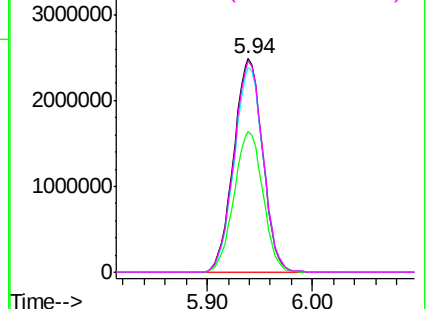


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 8888.031 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.03 min

Lab File: VV018834.D

Acq: 10 Oct 2020 15:49

Tgt Ion: 164 Resp: 17482463

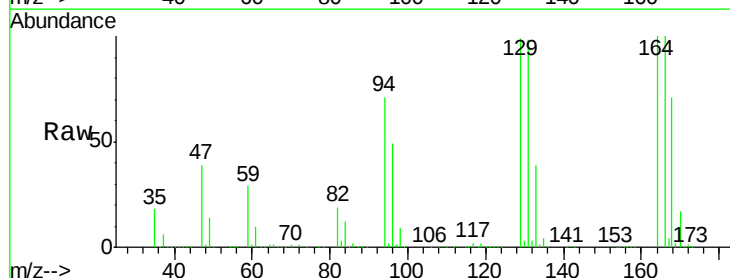
Ion Ratio Lower Upper

164 100

129 98.8 64.6 120.0

131 98.1 63.6 118.0

166 100.0 88.3 164.1

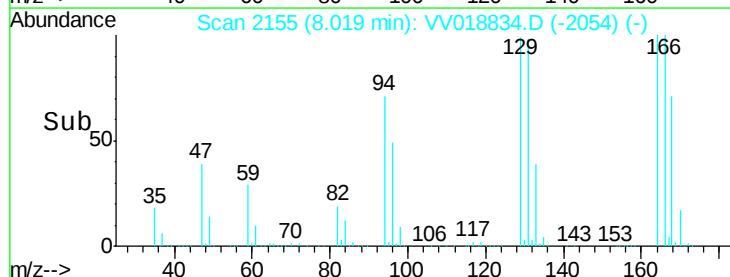
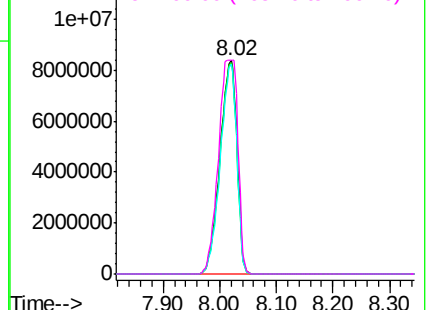


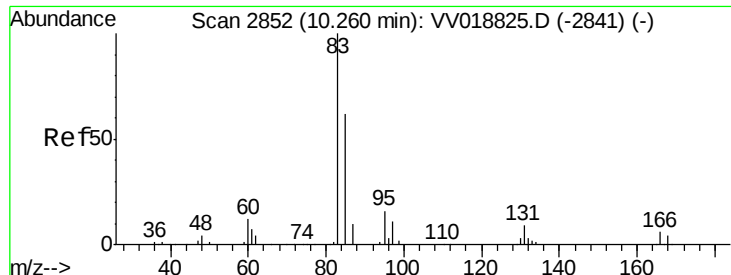
Abundance Ion 164.00 (163.70 to 164.70): V

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: 3.300 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018834.D

Acq: 10 Oct 2020 15:49

Instrument :

MSVOA_V

ClientSampleId :

C0AK2

Tot Ion: 83 Resp: 10591

Ion Ratio Lower Upper

83 100

85 68.5 44.5 82.7

131 13.6 8.0 12.0#

