

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080620\
 Data File : VV017816.D
 Acq On : 06 Aug 2020 16:00
 Operator : SY/MD
 Sample : L3590-10
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L55

Quant Time: Aug 07 06:35:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM073020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 07 05:27:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	219639	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	217605	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	120318	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	40647	37.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.90%
7) Chloroethane-d5	1.58	69	40162	43.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.84%
11) 1,1-Dichloroethene-d2	2.12	63	83172	32.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.62%
21) 2-Butanone-d5	3.90	46	73203	90.89	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.89%
24) Chloroform-d	4.38	84	131675	44.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.98%
26) 1,2-Dichloroethane-d4	5.06	65	102394	47.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.78%
32) Benzene-d6	5.08	84	217757	42.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.60%
36) 1,2-Dichloropropane-d6	6.09	67	57381	40.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	80.72%
41) Toluene-d8	7.34	98	225590	44.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.38%
43) trans-1,3-Dichloropropene-	7.64	79	22367	23.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	47.60%#
47) 2-Hexanone-d5	8.11	63	54314	88.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.87%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	91891	42.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	116171	49.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.38%

Target Compounds

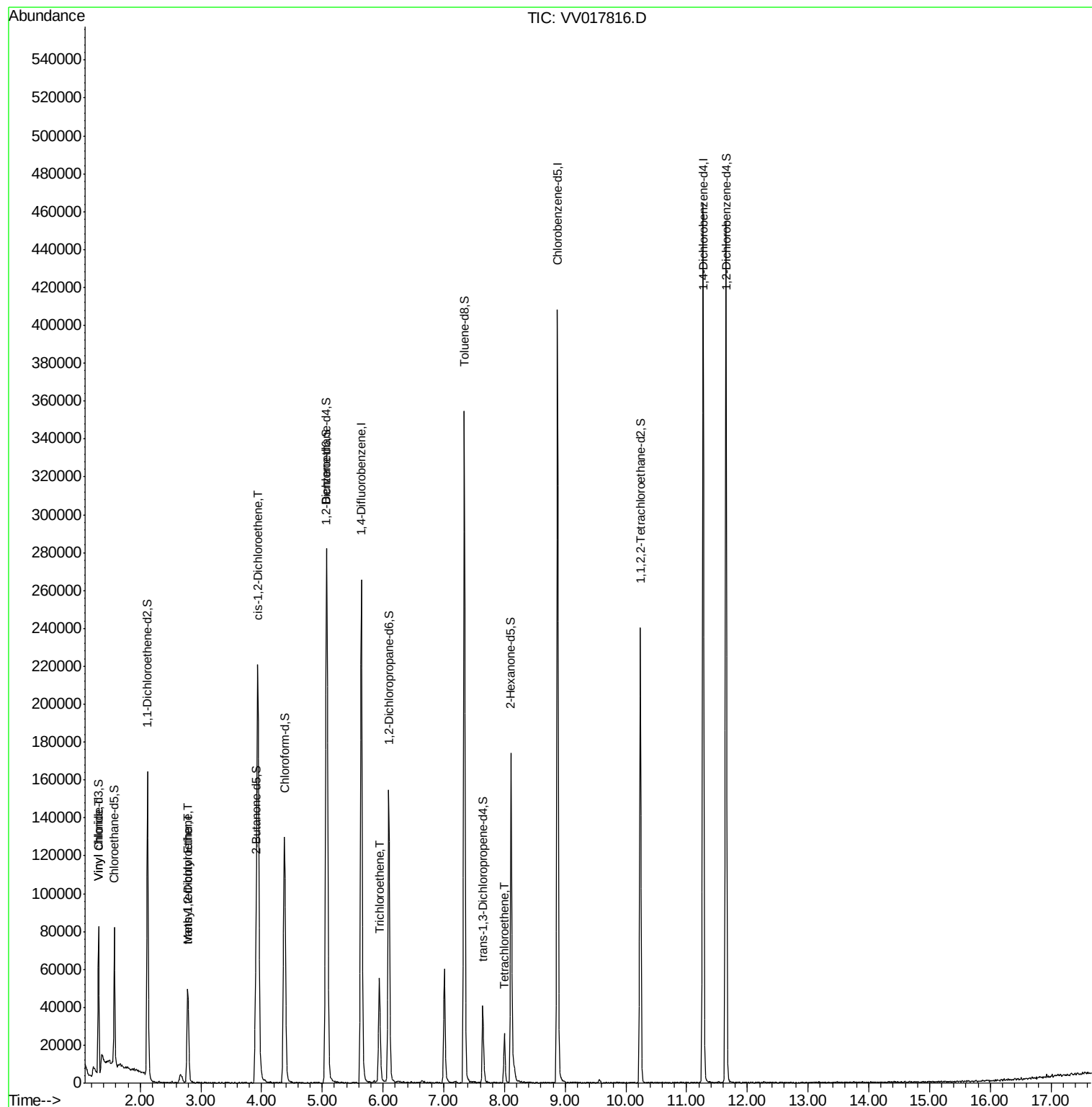
					Ovalue
5) Vinyl chloride	1.32	62	4387	2.816	ug/L # 20
17) trans-1,2-Dichloroethene	2.78	96	1222	0.820	ug/L 86
18) Methyl tert-butyl Ether	2.78	73	47648	9.725	ug/L 97
20) cis-1,2-Dichloroethene	3.94	96	118605	74.496	ug/L 97
34) Trichloroethene	5.94	95	16587	9.888	ug/L 99
46) Tetrachloroethene	8.00	164	5736	3.860	ug/L 84

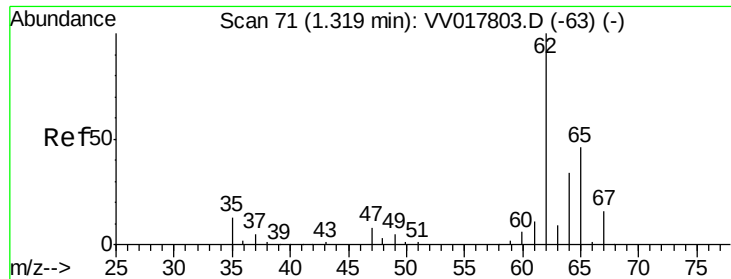
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.816 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017816.D

Acq: 06 Aug 2020 16:00

Instrument :

MSVOA_V

ClientSampleId :

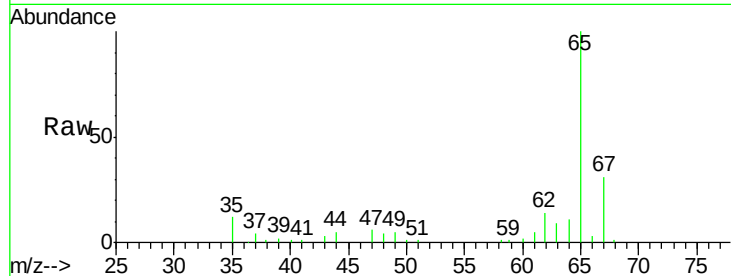
F2L55

Tot Ion: 62 Resp: 4387

Ion Ratio Lower Upper

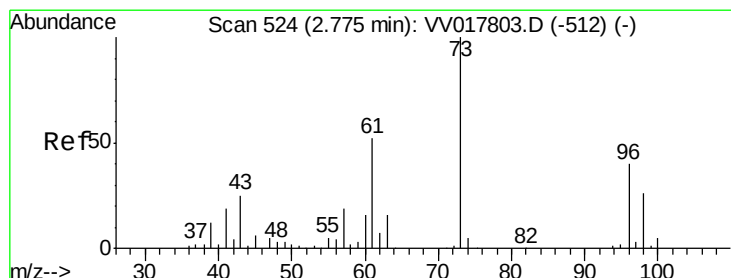
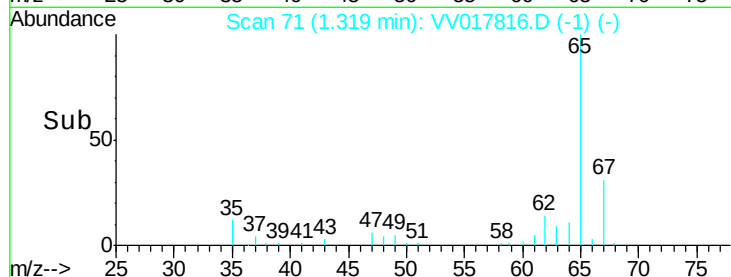
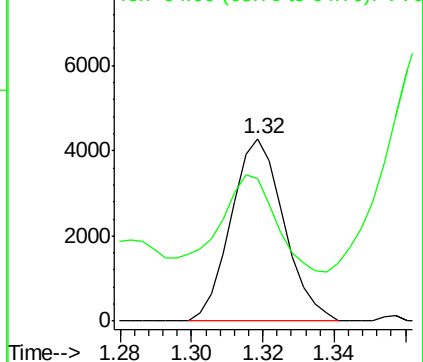
62 100

64 77.8 22.9 42.5#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#17

trans-1,2-Dichloroethene

Concen: 0.820 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.01 min

Lab File: VV017816.D

Acq: 06 Aug 2020 16:00

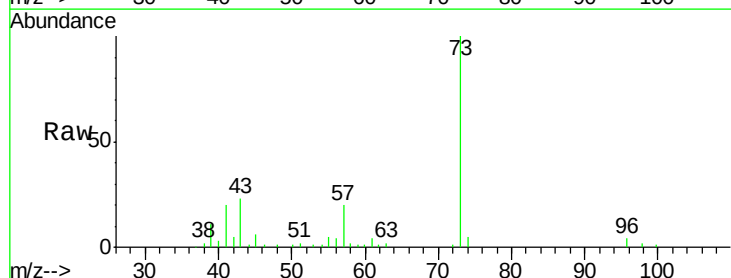
Tgt Ion: 96 Resp: 1222

Ion Ratio Lower Upper

96 100

61 119.1 96.2 178.8

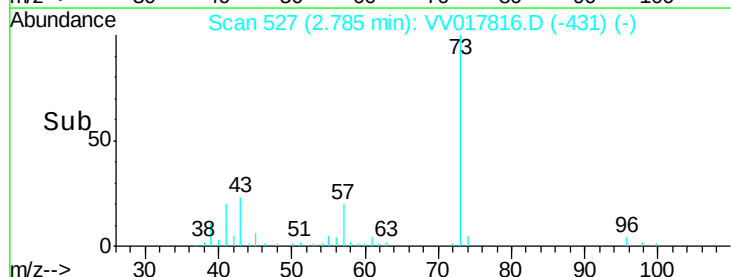
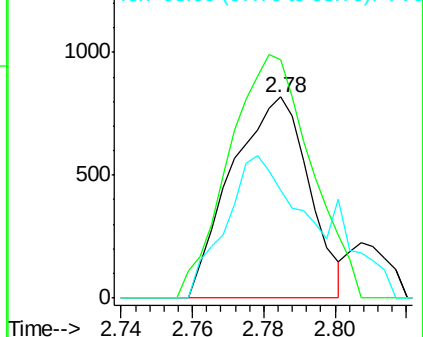
98 54.0 43.2 80.2

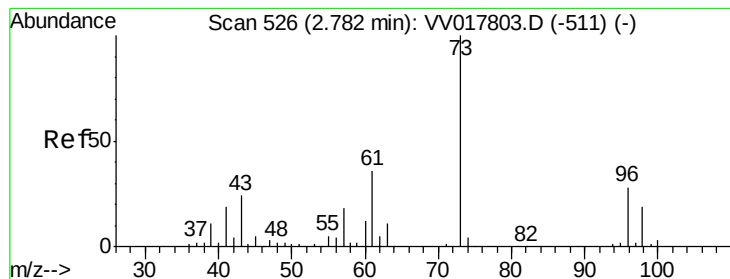


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



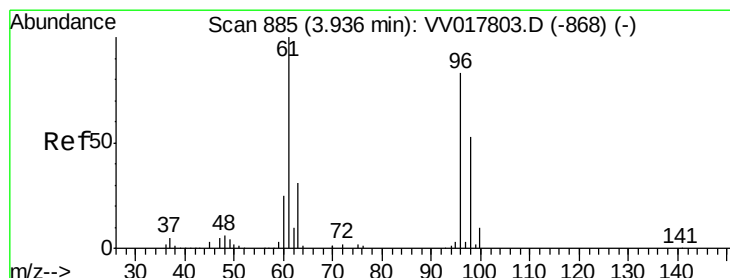
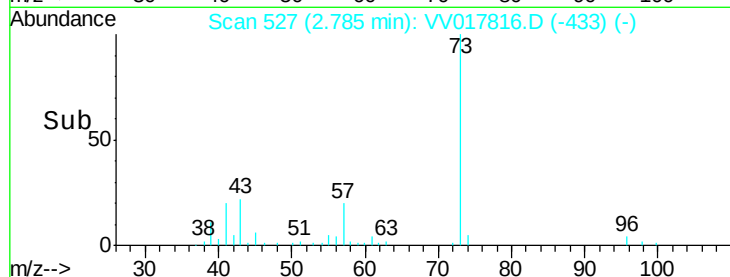
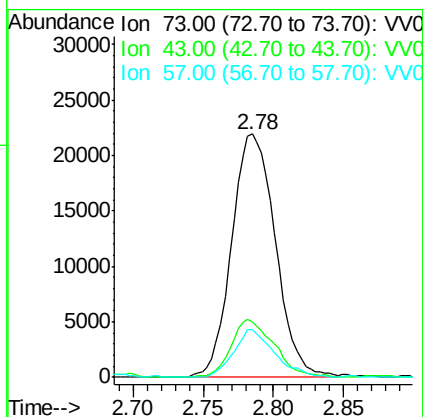
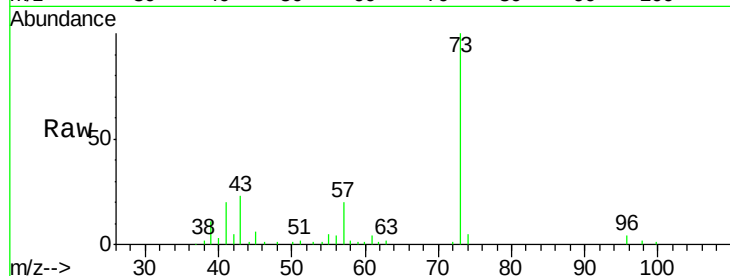


#18

Methyl tert-butyl Ether
 Concen: 9.725 ug/L
 RT: 2.78 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VV017816.D
 Acq: 06 Aug 2020 16:00

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L55

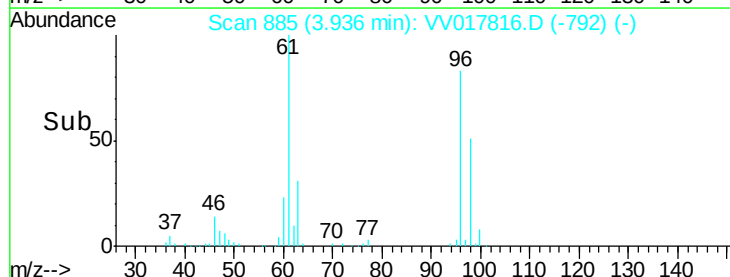
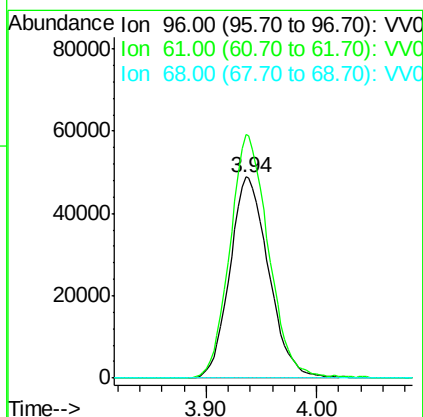
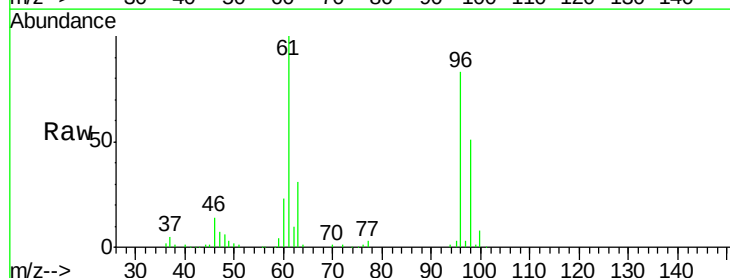
Tot Ion	73	Resp	47648
Ion Ratio	Lower	Upper	
73	100		
43	23.4	18.1	27.1
57	18.2	16.0	24.0

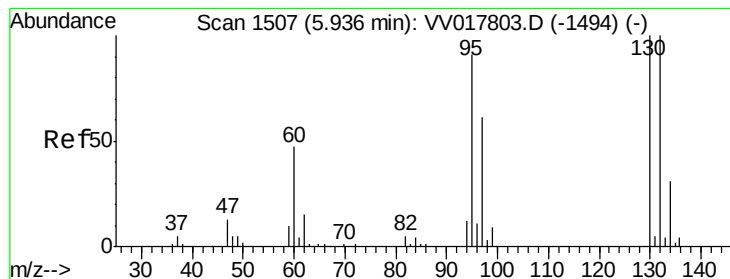


#20

cis-1,2-Dichloroethene
 Concen: 74.496 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV017816.D
 Acq: 06 Aug 2020 16:00

Tgt Ion	96	Resp	118605
Ion Ratio	Lower	Upper	
96	100		
61	121.0	87.3	162.1
68	0.0	0.0	0.0





#34

Trichloroethene

Concen: 9.888 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV017816.D

Acq: 06 Aug 2020 16:00

Instrument :

MSVOA_V

ClientSampled :

F2L55

Tot Ion: 95 Resp: 16587

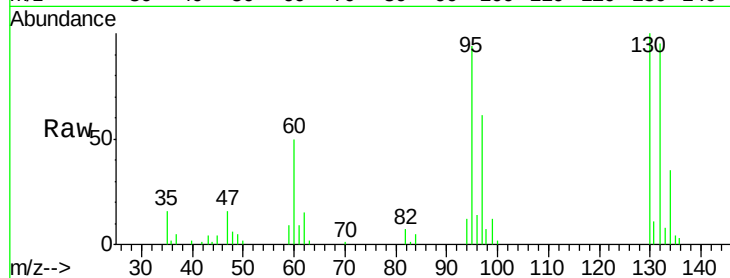
Ion Ratio Lower Upper

95 100

97 64.6 45.3 84.1

132 101.3 71.4 132.6

130 106.8 75.3 139.9

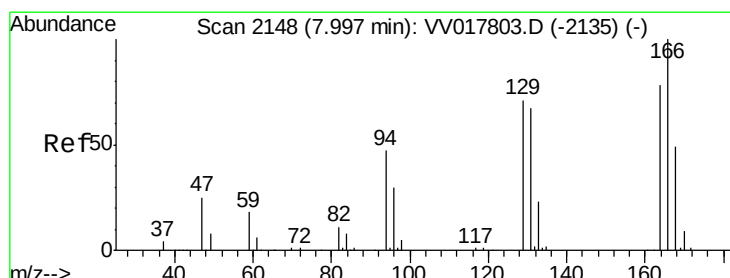
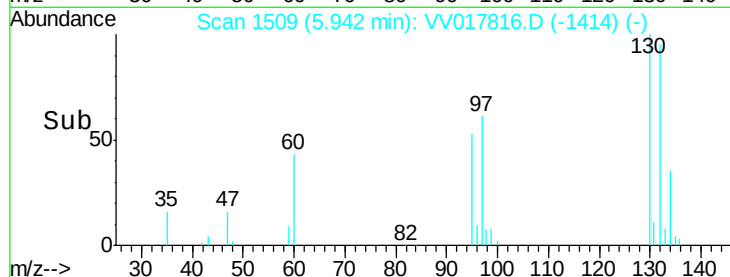
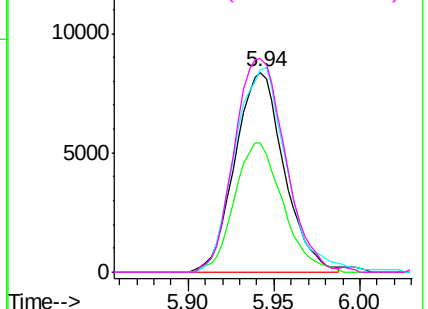


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#46

Tetrachloroethene

Concen: 3.860 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV017816.D

Acq: 06 Aug 2020 16:00

Tgt Ion:164 Resp: 5736

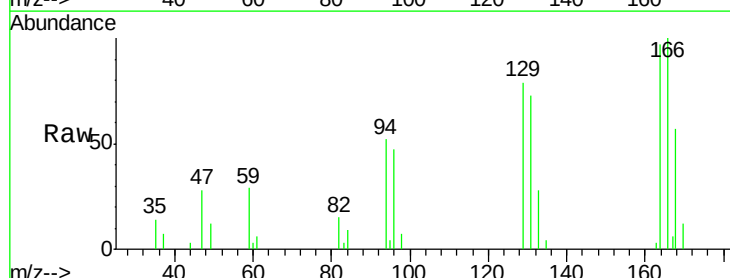
Ion Ratio Lower Upper

164 100

129 81.7 63.9 118.7

131 75.1 62.6 116.3

166 103.0 88.3 164.1



Abundance Ion 164.00 (163.70 to 164.70): VV0

Ion 129.00 (128.70 to 129.70): VV0

Ion 131.00 (130.70 to 131.70): VV0

Ion 166.00 (165.70 to 166.70): VV0

