

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081420\
 Data File : VV017997.D
 Acq On : 14 Aug 2020 15:04
 Operator : SY/MD
 Sample : L3665-13
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4M07

Quant Time: Aug 17 03:01:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 17 01:31:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	245530	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	241292	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	113675	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	91137	48.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.30%
7) Chloroethane-d5	1.58	69	76978	50.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.46%
11) 1,1-Dichloroethene-d2	2.12	63	134265	37.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.94%
21) 2-Butanone-d5	3.91	46	117393	95.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.68%
24) Chloroform-d	4.38	84	159456	46.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.52%
26) 1,2-Dichloroethane-d4	5.06	65	113695	51.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.66%
32) Benzene-d6	5.08	84	328355	49.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.76%
36) 1,2-Dichloropropane-d6	6.09	67	108023	49.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.38%
41) Toluene-d8	7.34	98	290802	48.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.26%
43) trans-1,3-Dichloropropene-	7.64	79	46349	47.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.00%
47) 2-Hexanone-d5	8.11	63	58572	83.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.96%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	130145	45.97	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.94%
64) 1,2-Dichlorobenzene-d4	11.65	152	115691	51.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.42%

Target Compounds

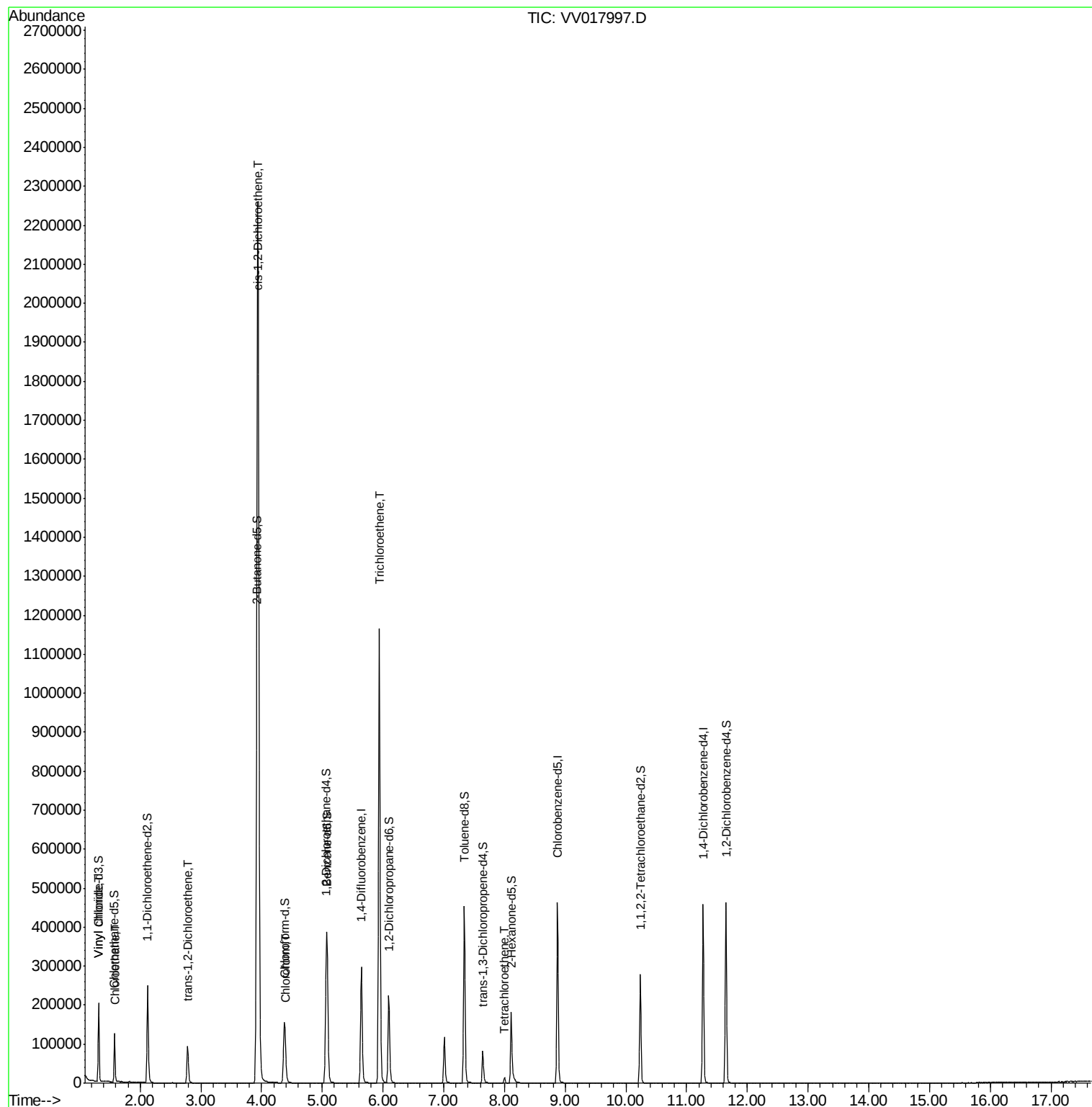
					Ovalue
5) Vinyl chloride	1.32	62	42639	19.544	ug/L 92
8) Chloroethane	1.60	64	1582	1.136	ug/L 86
17) trans-1,2-Dichloroethene	2.78	96	35245	20.818	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	1231364	661.853	ug/L 98
25) Chloroform	4.41	83	7378	2.125	ug/L 99
34) Trichloroethene	5.94	95	402202	203.826	ug/L 99
46) Tetrachloroethene	8.00	164	3178	2.196	ug/L 94

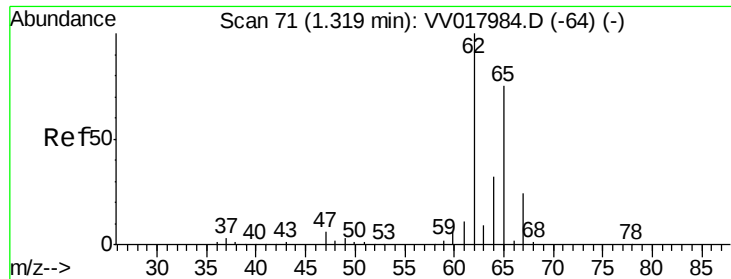
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 19.544 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017997.D

Acq: 14 Aug 2020 15:04

Instrument :

MSVOA_V

ClientSampleId :

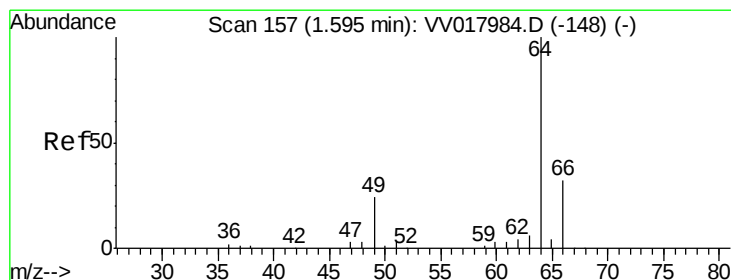
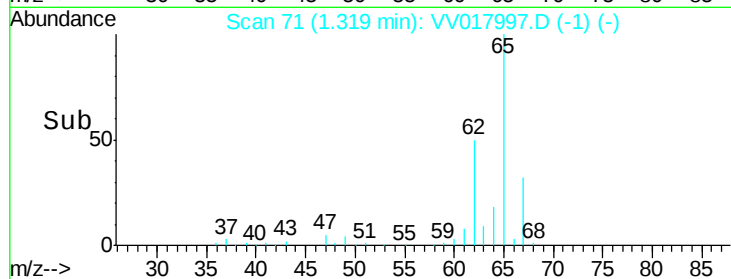
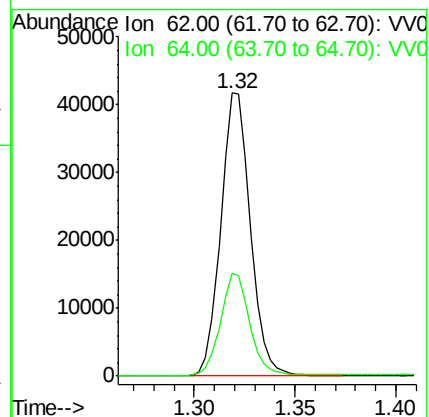
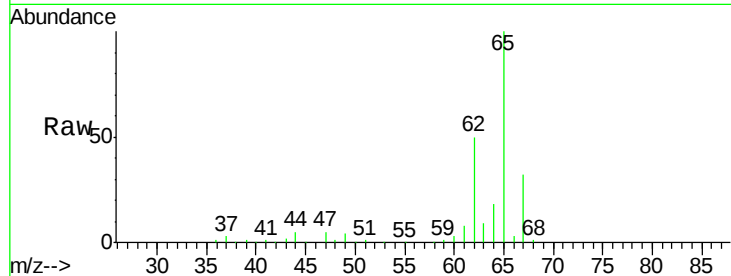
F4M07

Tot Ion: 62 Resp: 42639

Ion Ratio Lower Upper

62 100

64 36.2 22.4 41.6



#8

Chloroethane

Concen: 1.136 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017997.D

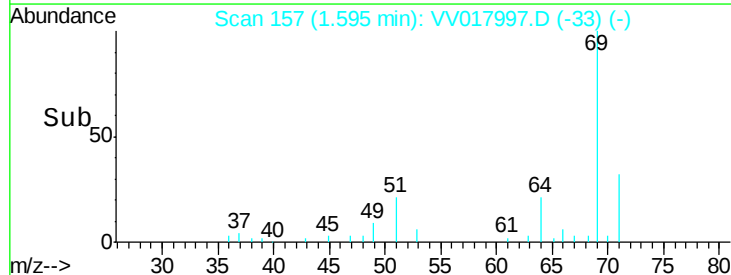
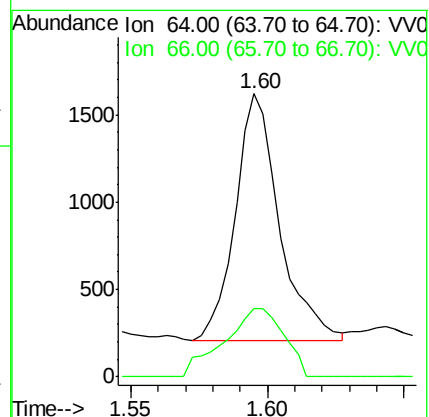
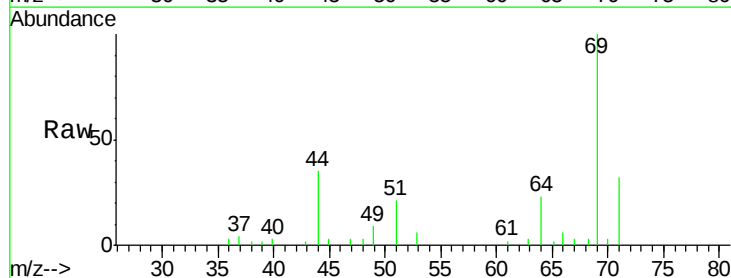
Acq: 14 Aug 2020 15:04

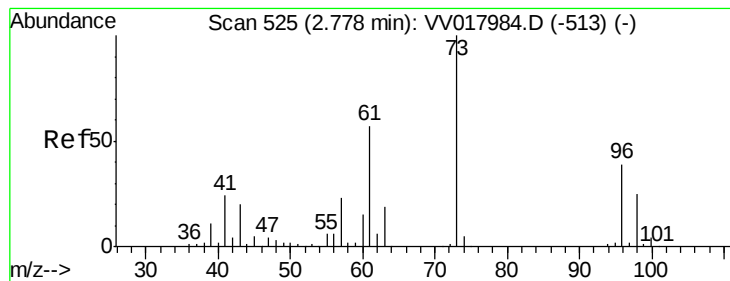
Tgt Ion: 64 Resp: 1582

Ion Ratio Lower Upper

64 100

66 24.0 22.3 41.3





#17

trans-1,2-Dichloroethene

Concen: 20.818 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV017997.D

Acq: 14 Aug 2020 15:04

Instrument :

MSVOA_V

ClientSampleId :

F4M07

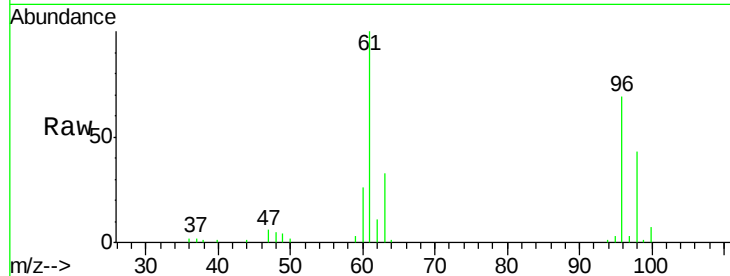
Tot Ion: 96 Resp: 35245

Ion Ratio Lower Upper

96 100

61 144.6 102.4 190.2

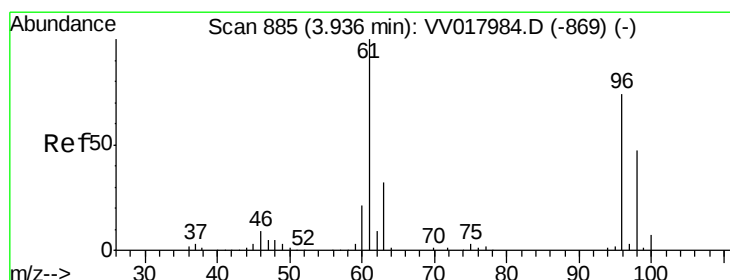
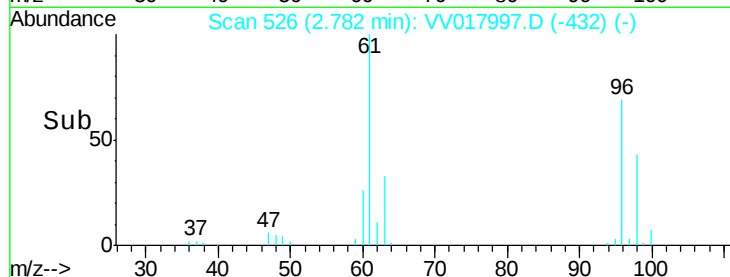
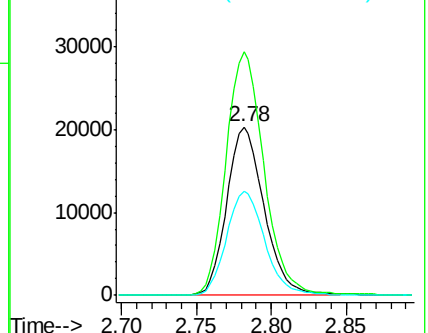
98 61.9 44.4 82.5



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: 661.853 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV017997.D

Acq: 14 Aug 2020 15:04

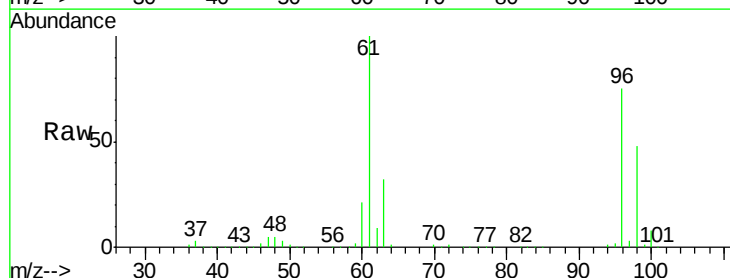
Tgt Ion: 96 Resp: 1231364

Ion Ratio Lower Upper

96 100

61 133.4 95.0 176.4

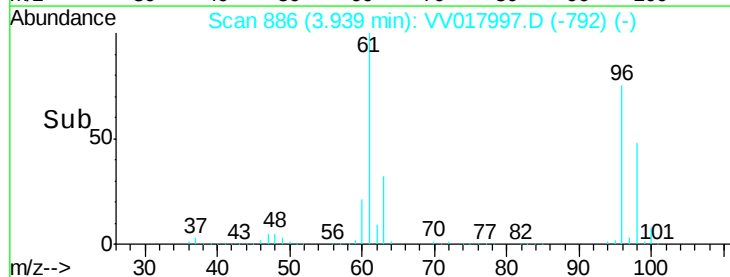
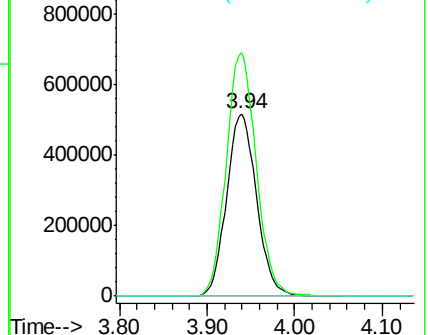
68 0.0 0.0 0.0

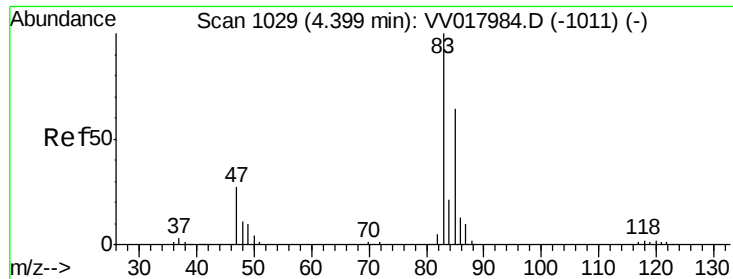


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0

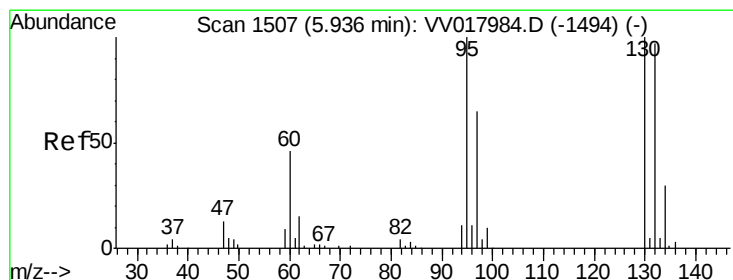
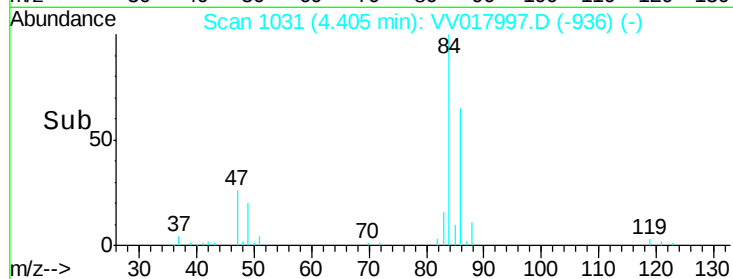
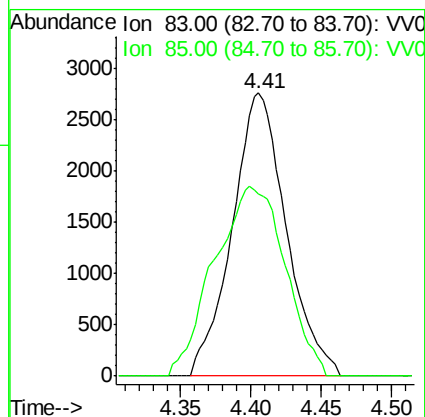
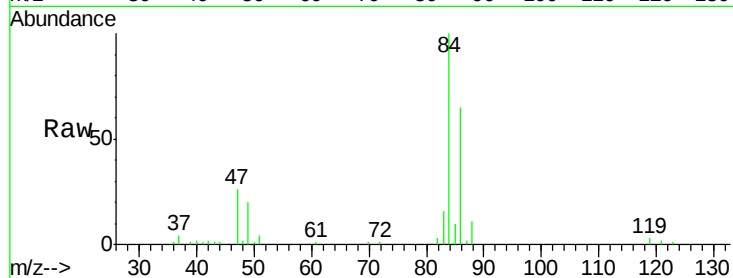




#25
Chloroform
Concen: 2.125 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV017997.D
Acq: 14 Aug 2020 15:04

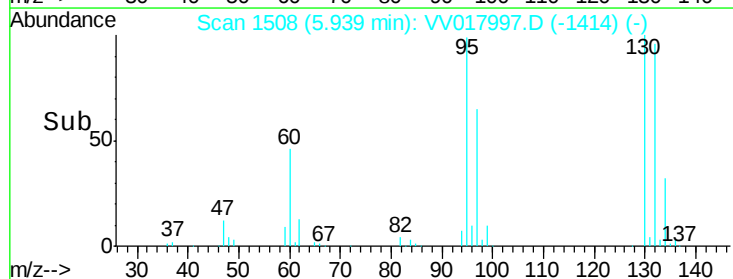
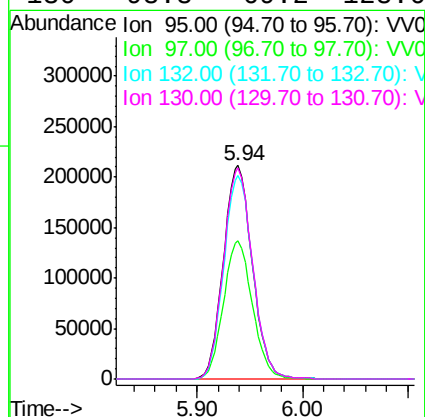
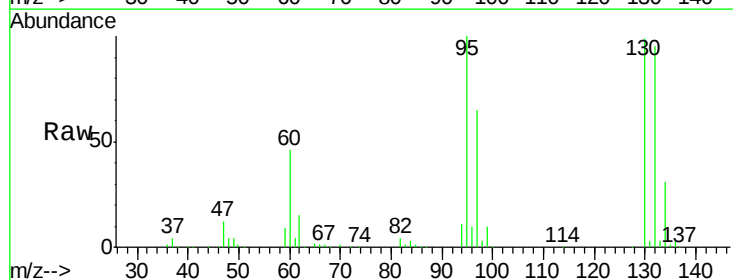
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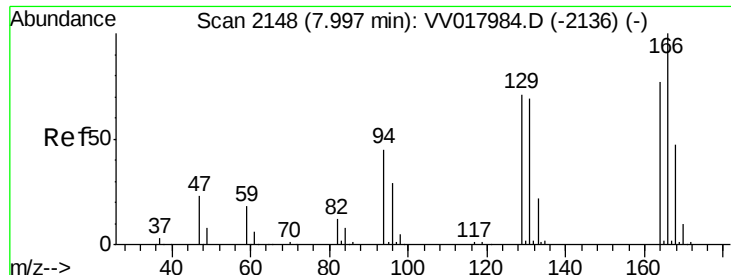
Tot Ion: 83 Resp: 7378
Ion Ratio Lower Upper
83 100
85 64.2 45.5 84.5



#34
Trichloroethene
Concen: 203.826 ug/L
RT: 5.94 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VV017997.D
Acq: 14 Aug 2020 15:04

Tgt Ion: 95 Resp: 402202
Ion Ratio Lower Upper
95 100
97 64.5 46.0 85.4
132 95.3 65.8 122.2
130 98.8 69.2 128.6





#46

Tetrachloroethene

Concen: 2.196 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV017997.D

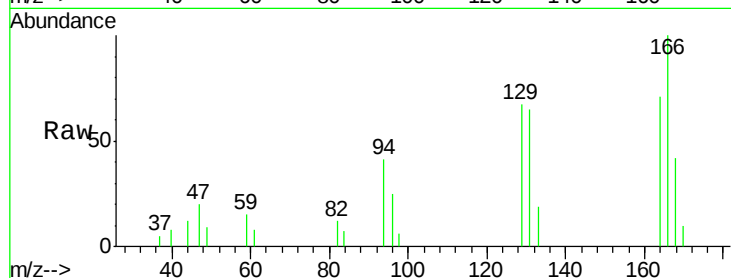
Acq: 14 Aug 2020 15:04

Instrument :

MSVOA_V

ClientSampleId :

F4M07



Tot Ion:164 Resp: 3178

Ion Ratio Lower Upper

164 100

129 94.9 64.8 120.3

131 91.5 64.5 119.9

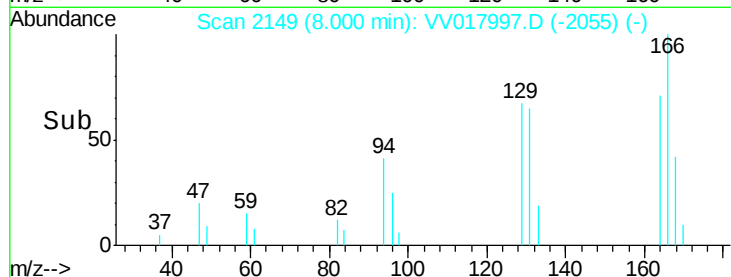
166 141.6 88.9 165.1

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



Time--> 7.95 8.00 8.05