

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081420\
 Data File : VV017996.D
 Acq On : 14 Aug 2020 14:40
 Operator : SY/MD
 Sample : L3665-10
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4L71

Quant Time: Aug 17 02:58:05 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	251470	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	247552	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	116137	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	94095	49.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.08%
7) Chloroethane-d5	1.58	69	78963	50.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.60%
11) 1,1-Dichloroethene-d2	2.12	63	135330	36.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.74%
21) 2-Butanone-d5	3.91	46	118191	94.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.05%
24) Chloroform-d	4.38	84	161540	46.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.50%
26) 1,2-Dichloroethane-d4	5.06	65	114484	50.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.94%
32) Benzene-d6	5.08	84	336944	49.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.78%
36) 1,2-Dichloropropane-d6	6.10	67	108984	48.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.72%
41) Toluene-d8	7.34	98	293090	47.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.54%
43) trans-1,3-Dichloropropene-	7.64	79	48008	47.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.92%
47) 2-Hexanone-d5	8.11	63	58923	82.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.32%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	132696	45.69	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.38%
64) 1,2-Dichlorobenzene-d4	11.65	152	119346	52.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.42%

Target Compounds

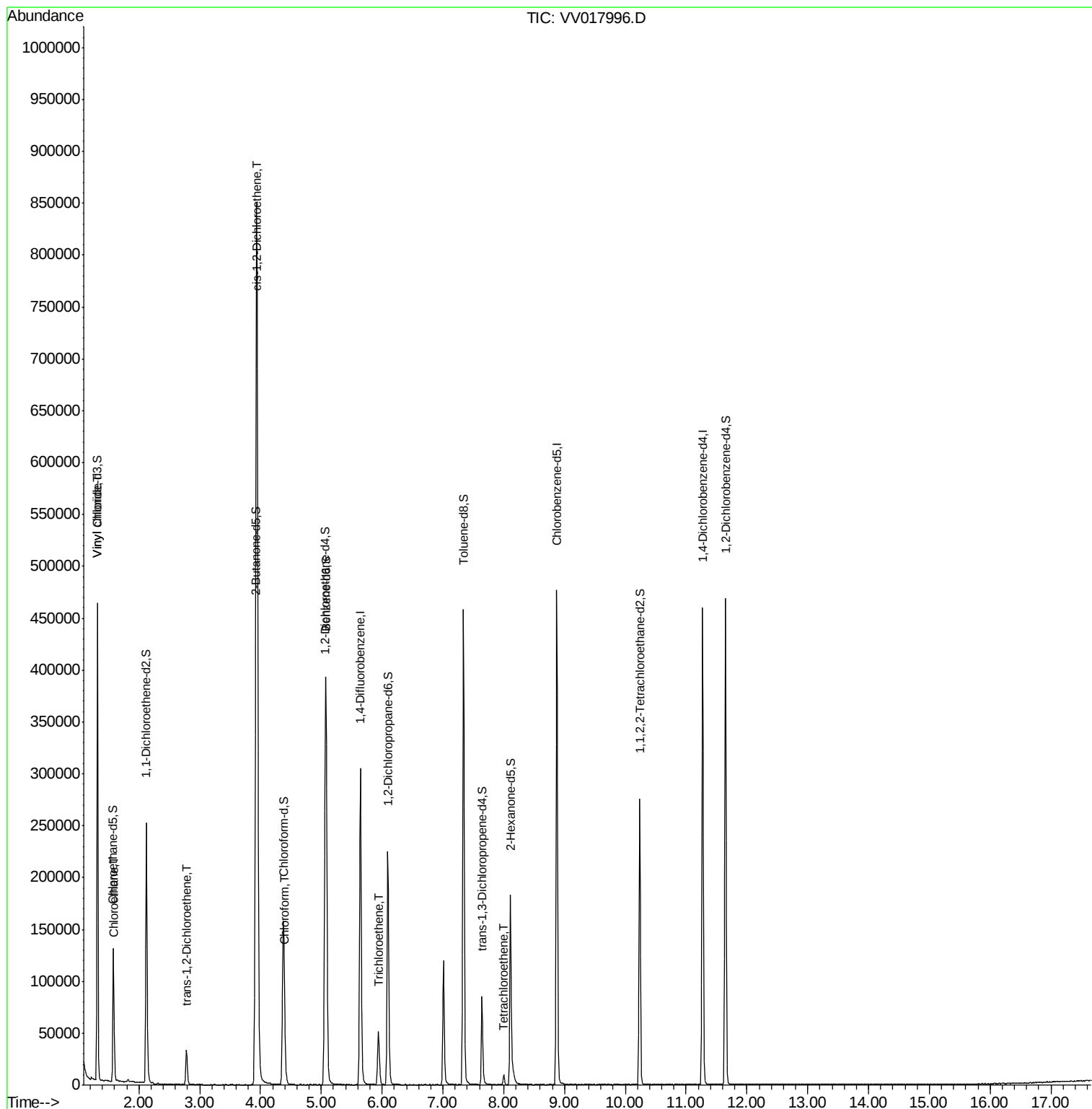
					Ovalue
5) Vinyl chloride	1.32	62	200502	89.732	ug/L 100
8) Chloroethane	1.60	64	19452	13.639	ug/L 100
17) trans-1,2-Dichloroethene	2.78	96	11548	6.660	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	454791	238.674	ug/L 98
25) Chloroform	4.41	83	7167	2.015	ug/L 88
34) Trichloroethene	5.94	95	16284	8.044	ug/L 98
46) Tetrachloroethene	8.00	164	2265	1.526	ug/L 95

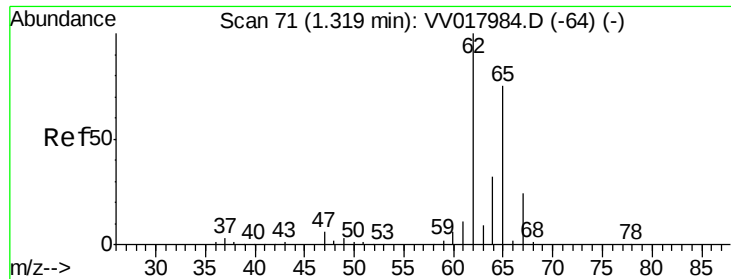
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 89.732 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017996.D

Acq: 14 Aug 2020 14:40

Instrument :

MSVOA_V

ClientSampleId :

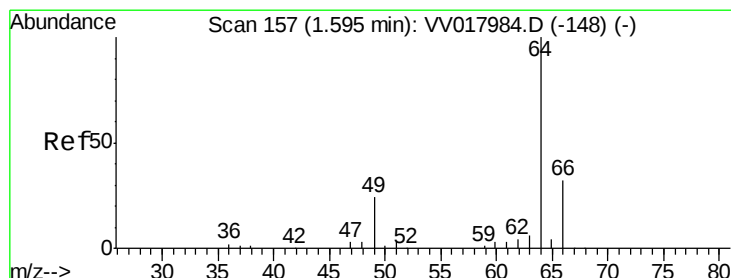
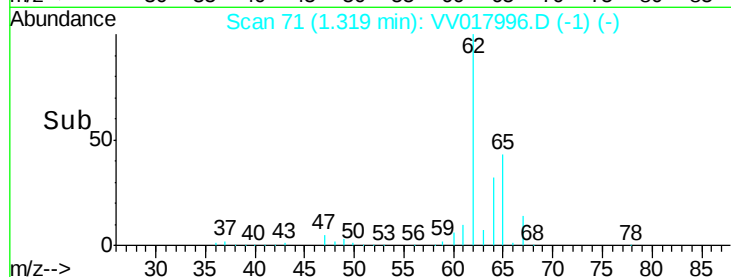
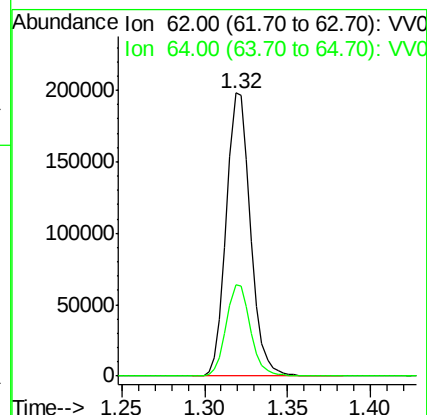
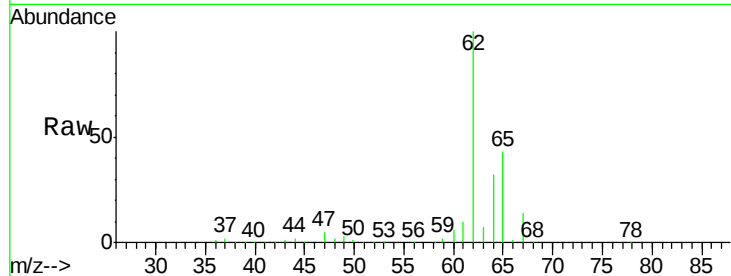
F4L71

Tot Ion: 62 Resp: 200502

Ion Ratio Lower Upper

62 100

64 32.2 22.4 41.6



#8

Chloroethane

Concen: 13.639 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV017996.D

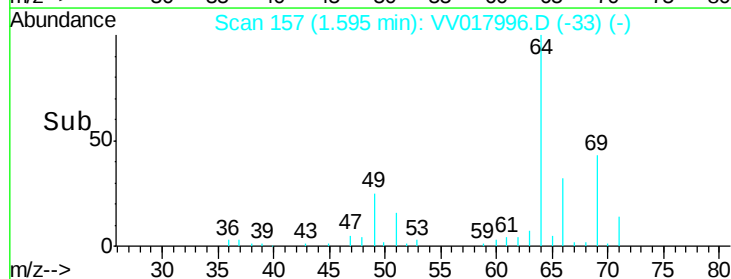
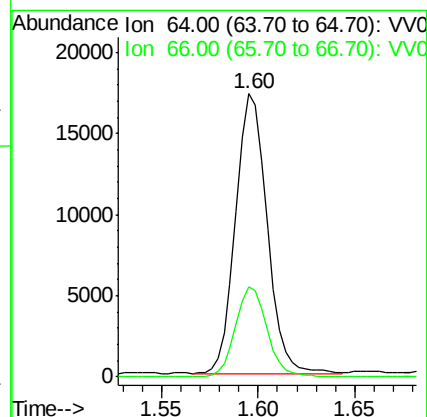
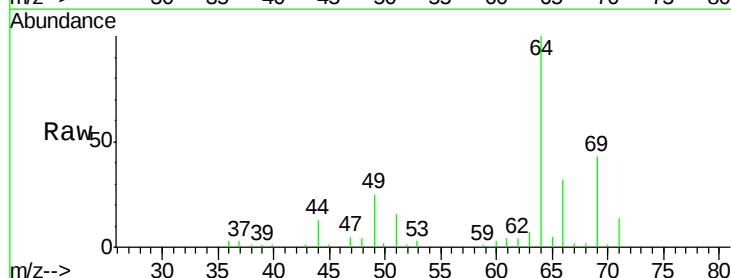
Acq: 14 Aug 2020 14:40

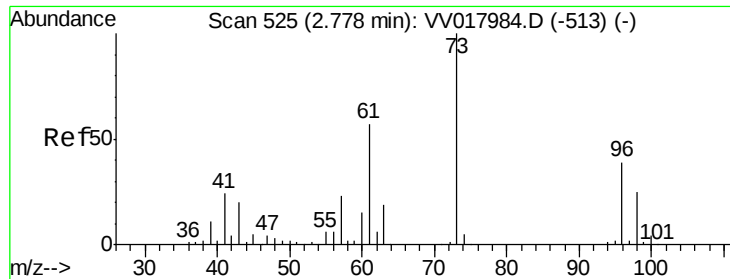
Tgt Ion: 64 Resp: 19452

Ion Ratio Lower Upper

64 100

66 31.7 22.3 41.3

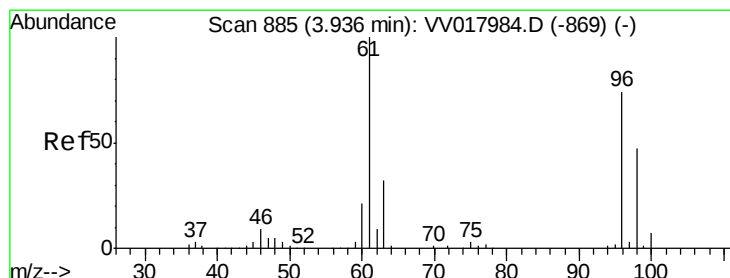
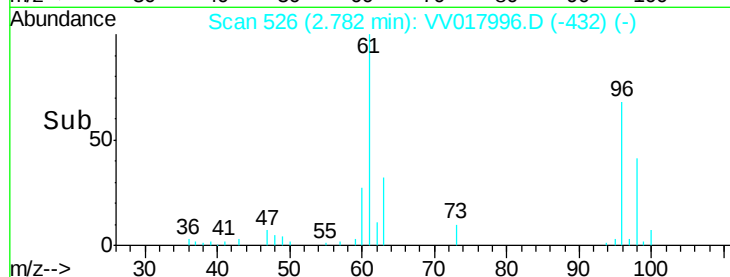
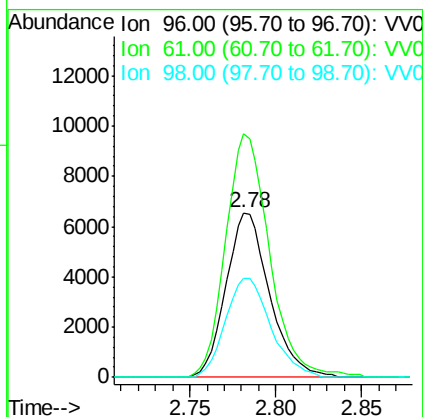
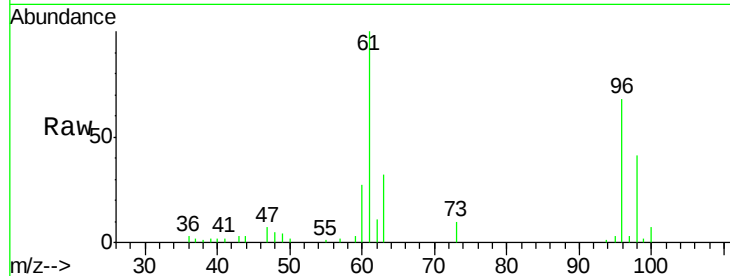




#17
trans-1,2-Dichloroethene
Concen: 6.660 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV017996.D
Acq: 14 Aug 2020 14:40

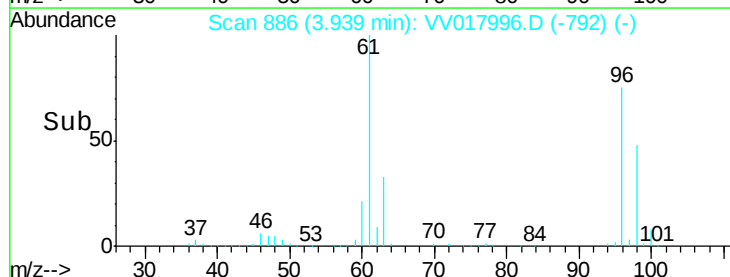
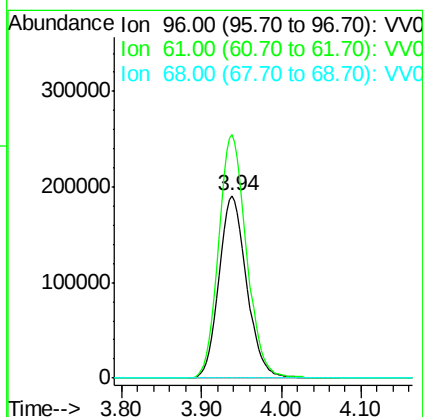
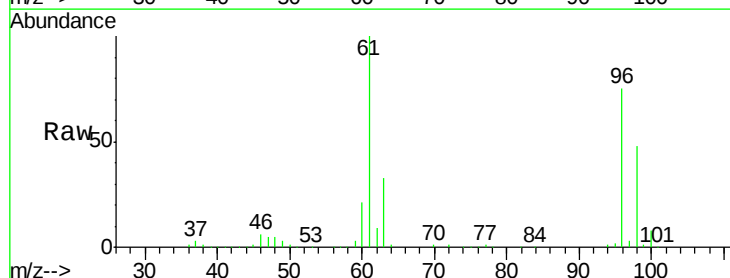
Instrument :
MSVOA_V
ClientSampleId :
F4L71

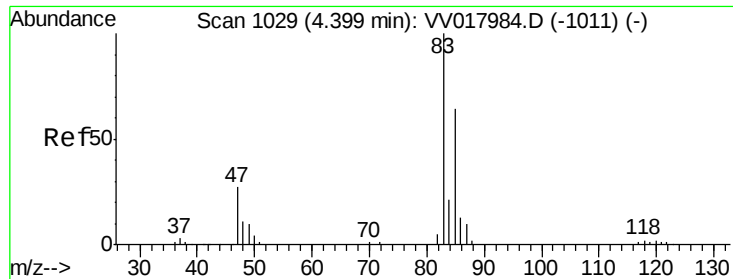
Tot Ion: 96 Resp: 11548
Ion Ratio Lower Upper
96 100
61 147.9 102.4 190.2
98 60.0 44.4 82.5



#20
cis-1,2-Dichloroethene
Concen: 238.674 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV017996.D
Acq: 14 Aug 2020 14:40

Tgt Ion: 96 Resp: 454791
Ion Ratio Lower Upper
96 100
61 133.6 95.0 176.4
68 0.0 0.0 0.0

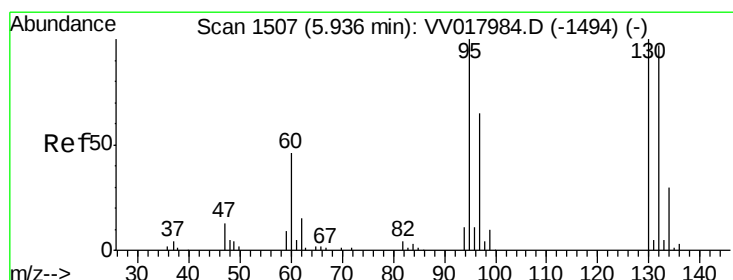
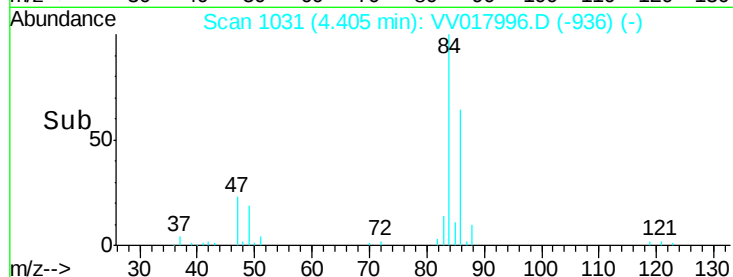
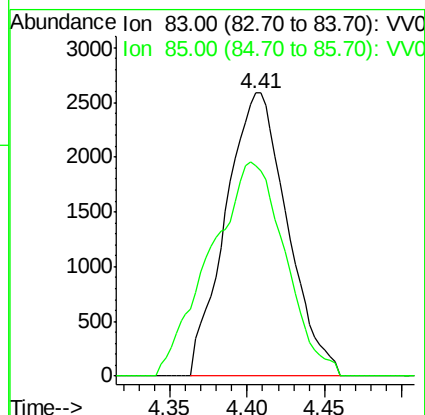
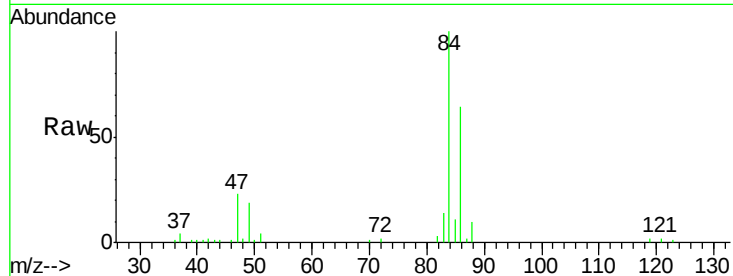




#25
Chloroform
Concen: 2.015 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV017996.D
Acq: 14 Aug 2020 14:40

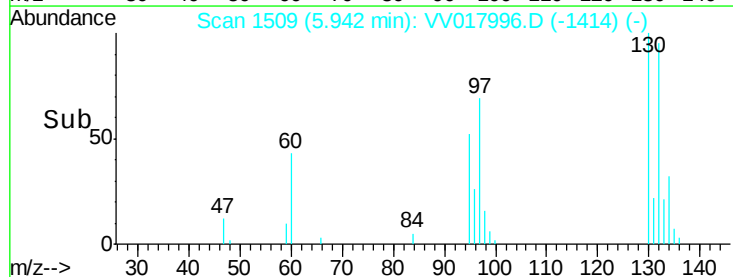
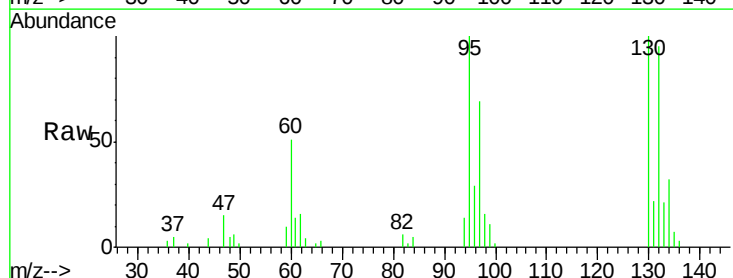
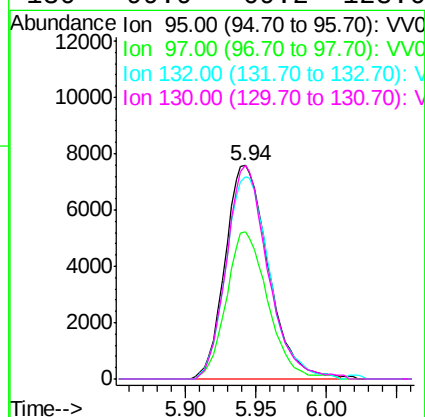
Instrument :
MSVOA_V
ClientSampleId :
F4L71

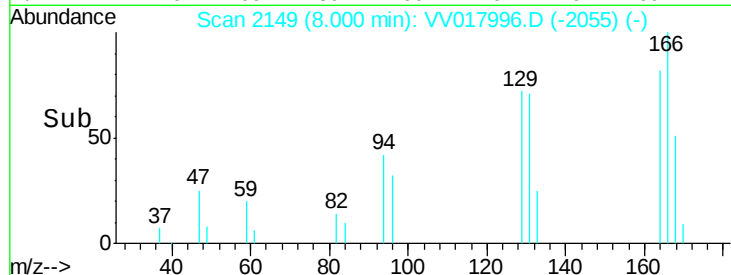
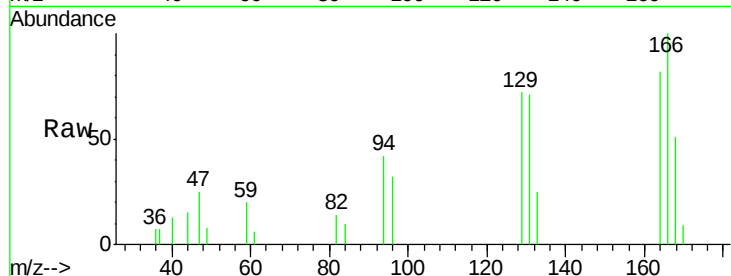
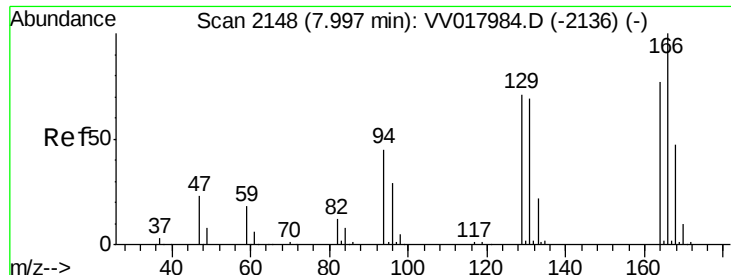
Tot Ion: 83 Resp: 7167
Ion Ratio Lower Upper
83 100
85 74.3 45.5 84.5



#34
Trichloroethene
Concen: 8.044 ug/L
RT: 5.94 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VV017996.D
Acq: 14 Aug 2020 14:40

Tgt Ion: 95 Resp: 16284
Ion Ratio Lower Upper
95 100
97 69.2 46.0 85.4
132 94.8 65.8 122.2
130 99.9 69.2 128.6





#46

Tetrachloroethene

Concen: 1.526 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV017996.D

Acq: 14 Aug 2020 14:40

Instrument :

MSVOA_V

ClientSampleId :

F4L71

Tot Ion:164 Resp: 2265

Ion Ratio Lower Upper

164 100

129 88.2 64.8 120.3

131 86.7 64.5 119.9

166 122.0 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

