

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081720\
 Data File : VV018031.D
 Acq On : 17 Aug 2020 17:33
 Operator : SY/MD
 Sample : L3665-19
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4L40

Quant Time: Aug 18 03:02:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 18 01:23:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	254044	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	250159	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	120861	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	83920	43.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.60%
7) Chloroethane-d5	1.58	69	73713	46.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.96%
11) 1,1-Dichloroethene-d2	2.12	63	126109	34.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.02%
21) 2-Butanone-d5	3.91	46	121733	95.89	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.89%
24) Chloroform-d	4.38	84	153366	43.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.94%
26) 1,2-Dichloroethane-d4	5.06	65	110395	48.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.34%
32) Benzene-d6	5.07	84	321955	46.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.09	67	105755	46.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.84%
41) Toluene-d8	7.34	98	283199	45.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.36%
43) trans-1,3-Dichloropropene-	7.64	79	47799	46.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.52%
47) 2-Hexanone-d5	8.11	63	63207	87.39	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.39%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	136648	46.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.12%
64) 1,2-Dichlorobenzene-d4	11.65	152	119329	50.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.34%

Target Compounds

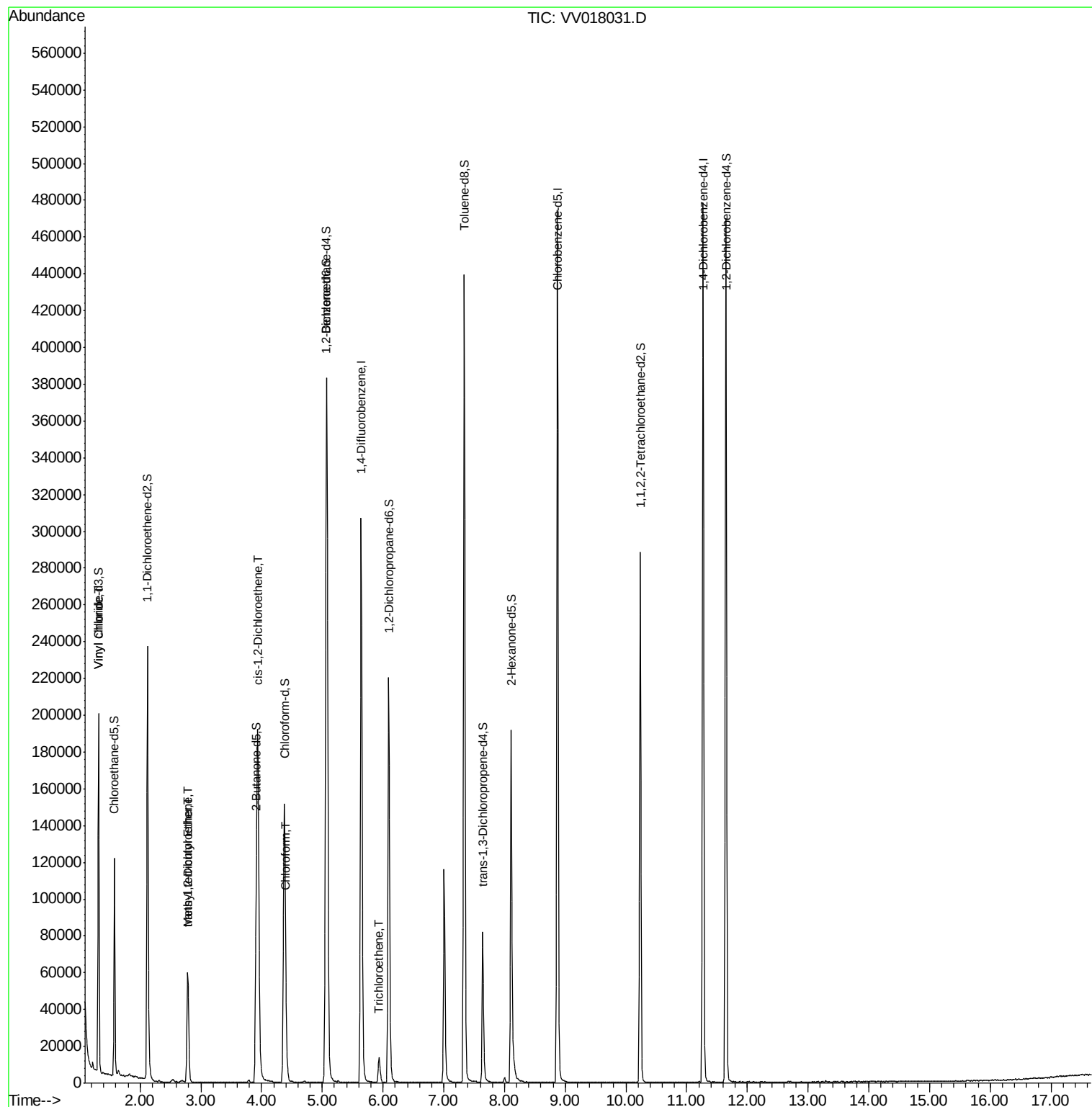
					Ovalue
5) Vinyl chloride	1.32	62	40301	17.853	ug/L 95
17) trans-1,2-Dichloroethene	2.78	96	3285	1.875	ug/L 89
18) Methyl tert-butyl Ether	2.78	73	48516	8.375	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	92828	48.222	ug/L 100
25) Chloroform	4.41	83	11905	3.314	ug/L 97
34) Trichloroethene	5.94	95	2235	1.092	ug/L 97

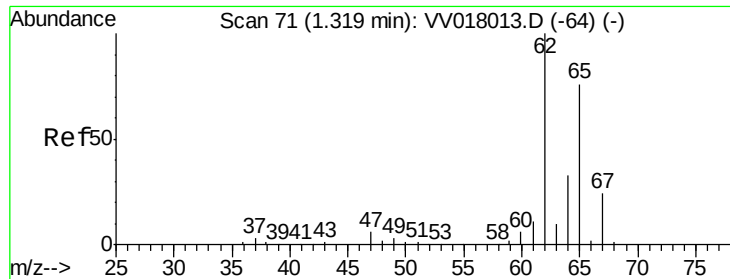
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 17.853 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018031.D

Acq: 17 Aug 2020 17:33

Instrument :

MSVOA_V

ClientSampled :

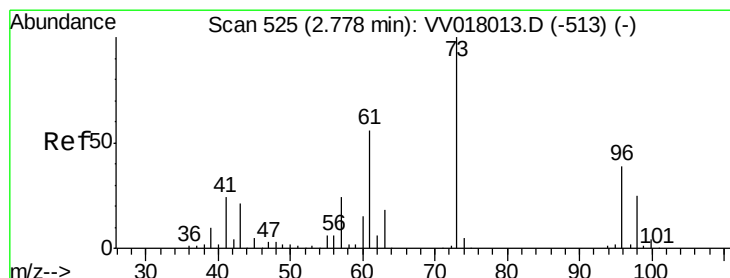
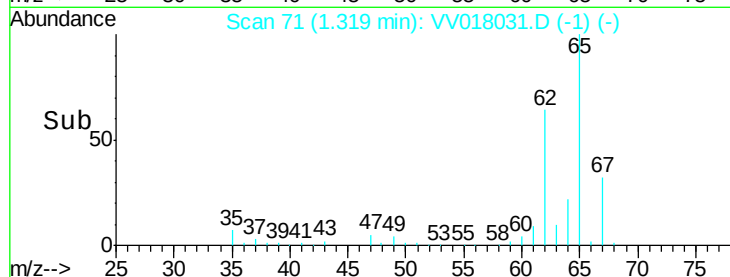
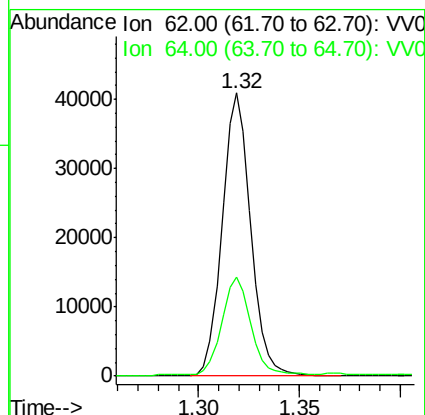
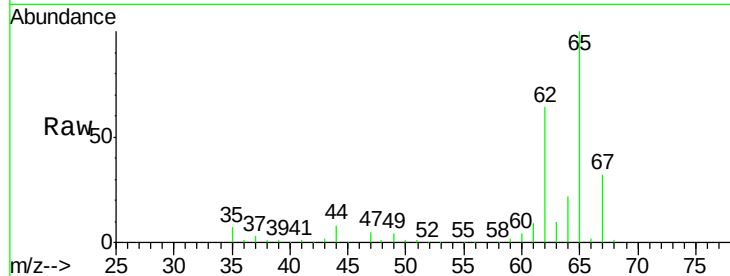
F4L40

Tot Ion: 62 Resp: 40301

Ion Ratio Lower Upper

62 100

64 34.9 22.4 41.6



#17

trans-1,2-Dichloroethene

Concen: 1.875 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV018031.D

Acq: 17 Aug 2020 17:33

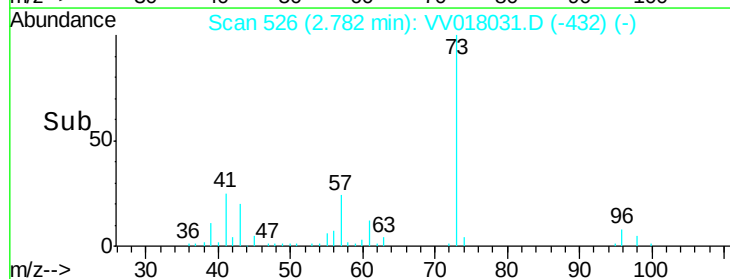
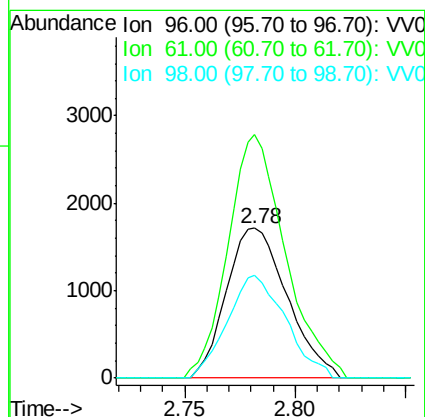
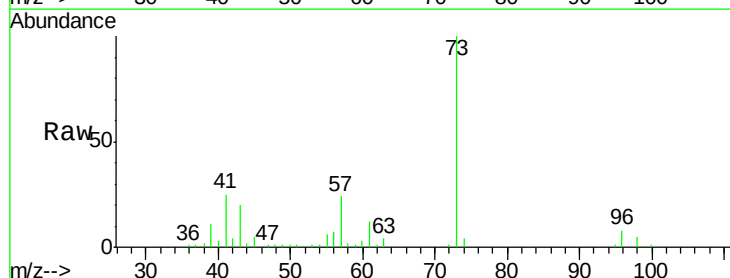
Tgt Ion: 96 Resp: 3285

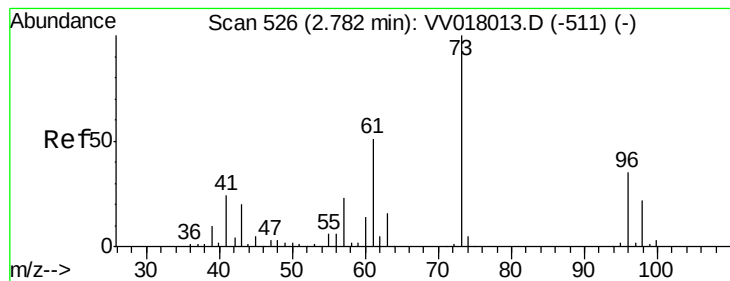
Ion Ratio Lower Upper

96 100

61 162.4 102.4 190.2

98 68.4 44.4 82.5





#18

Methyl tert-butyl Ether

Concen: 8.375 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV018031.D

Acq: 17 Aug 2020 17:33

Instrument :

MSVOA_V

ClientSampled :

F4L40

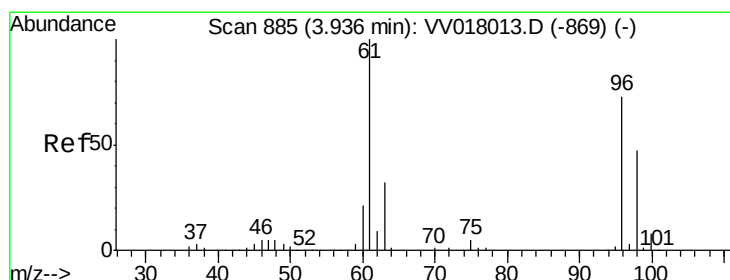
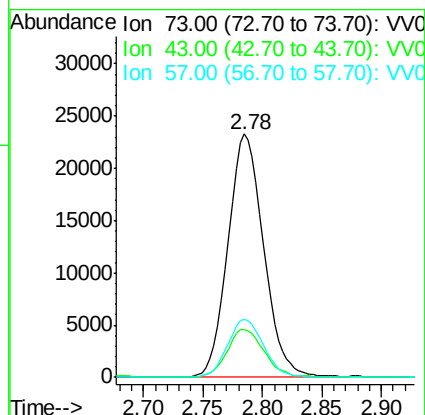
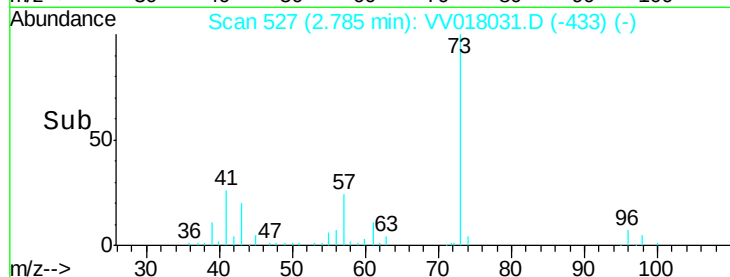
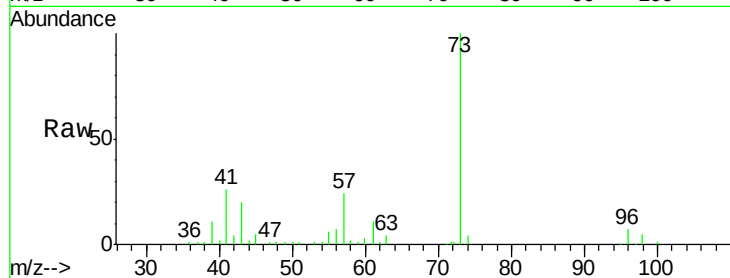
Tot Ion: 73 Resp: 48516

Ion Ratio Lower Upper

73 100

43 20.4 15.9 23.9

57 24.0 18.1 27.1



#20

cis-1,2-Dichloroethene

Concen: 48.222 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV018031.D

Acq: 17 Aug 2020 17:33

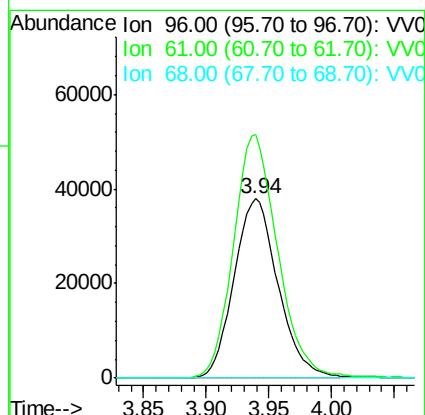
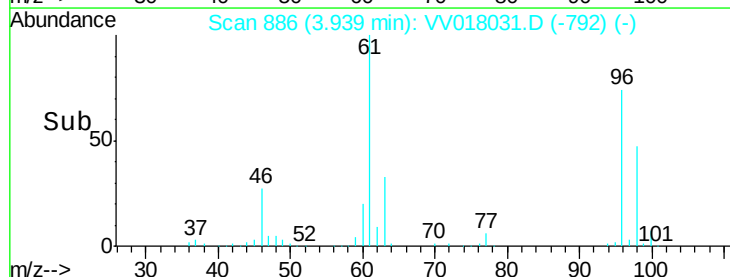
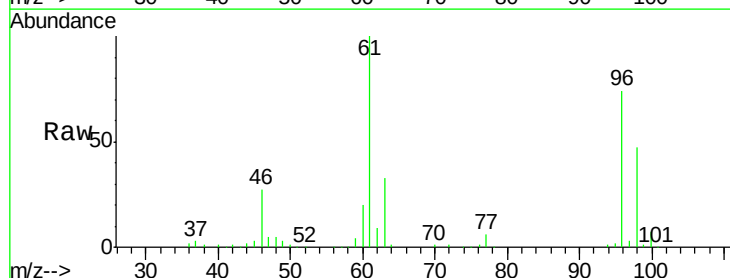
Tgt Ion: 96 Resp: 92828

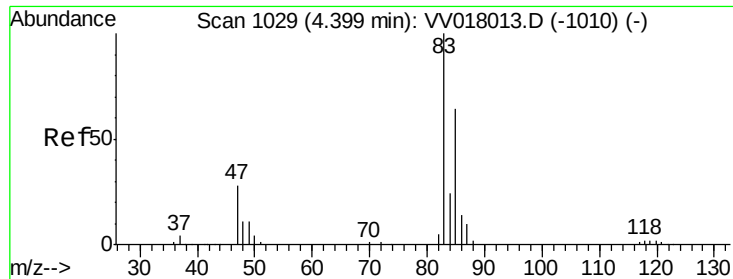
Ion Ratio Lower Upper

96 100

61 135.6 95.0 176.4

68 0.0 0.0 0.0

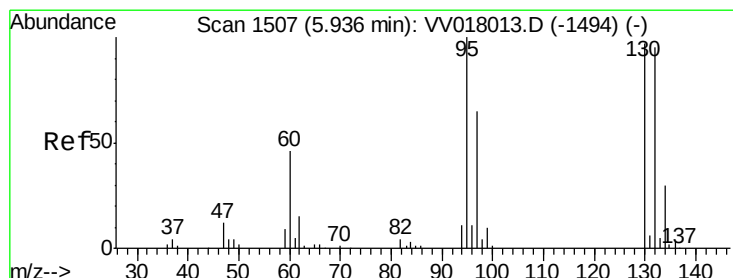
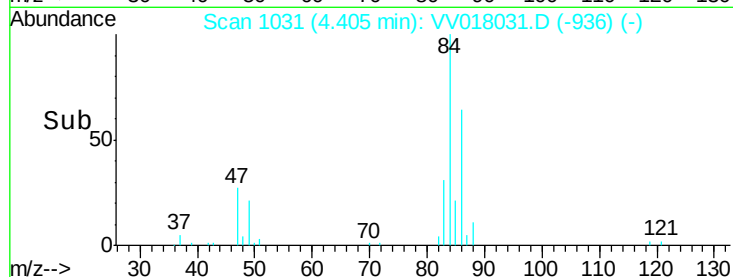
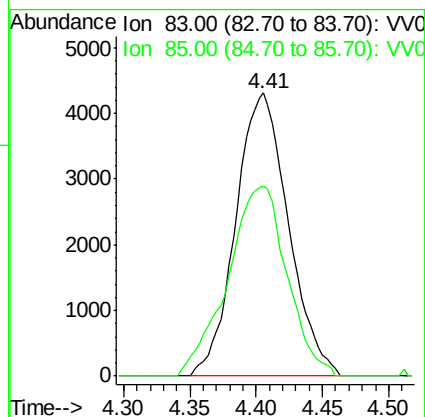
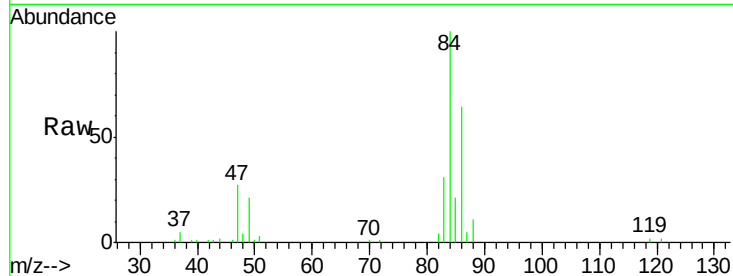




#25
Chloroform
Concen: 3.314 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV018031.D
Acq: 17 Aug 2020 17:33

Instrument :
MSVOA_V
ClientSampleId :
F4L40

Tot Ion: 83 Resp: 11905
Ion Ratio Lower Upper
83 100
85 67.3 45.5 84.5



#34
Trichloroethene
Concen: 1.092 ug/L
RT: 5.94 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VV018031.D
Acq: 17 Aug 2020 17:33

Tgt Ion: 95 Resp: 2235
Ion Ratio Lower Upper
95 100
97 65.7 46.0 85.4
132 95.6 65.8 122.2
130 91.9 69.2 128.6

