

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082720\
 Data File : VV018114.D
 Acq On : 27 Aug 2020 13:55
 Operator : SY/MD
 Sample : L3800-18
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3G5

Quant Time: Aug 28 06:23:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 28 06:20:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	265382	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	265630	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	130378	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	85657	42.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.60%
7) Chloroethane-d5	1.58	69	77612	46.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.70%
11) 1,1-Dichloroethene-d2	2.12	63	132978	34.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.66%
21) 2-Butanone-d5	3.91	46	121441	91.57	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.57%
24) Chloroform-d	4.38	84	168502	45.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.42%
26) 1,2-Dichloroethane-d4	5.06	65	115220	48.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.26%
32) Benzene-d6	5.08	84	339129	46.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.66%
36) 1,2-Dichloropropane-d6	6.09	67	112128	46.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.70%
41) Toluene-d8	7.34	98	299441	45.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.96%
43) trans-1,3-Dichloropropene-	7.64	79	52089	47.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.98%
47) 2-Hexanone-d5	8.11	63	65252	84.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.96%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	143361	46.00	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.00%
64) 1,2-Dichlorobenzene-d4	11.65	152	128847	50.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.42%

Target Compounds

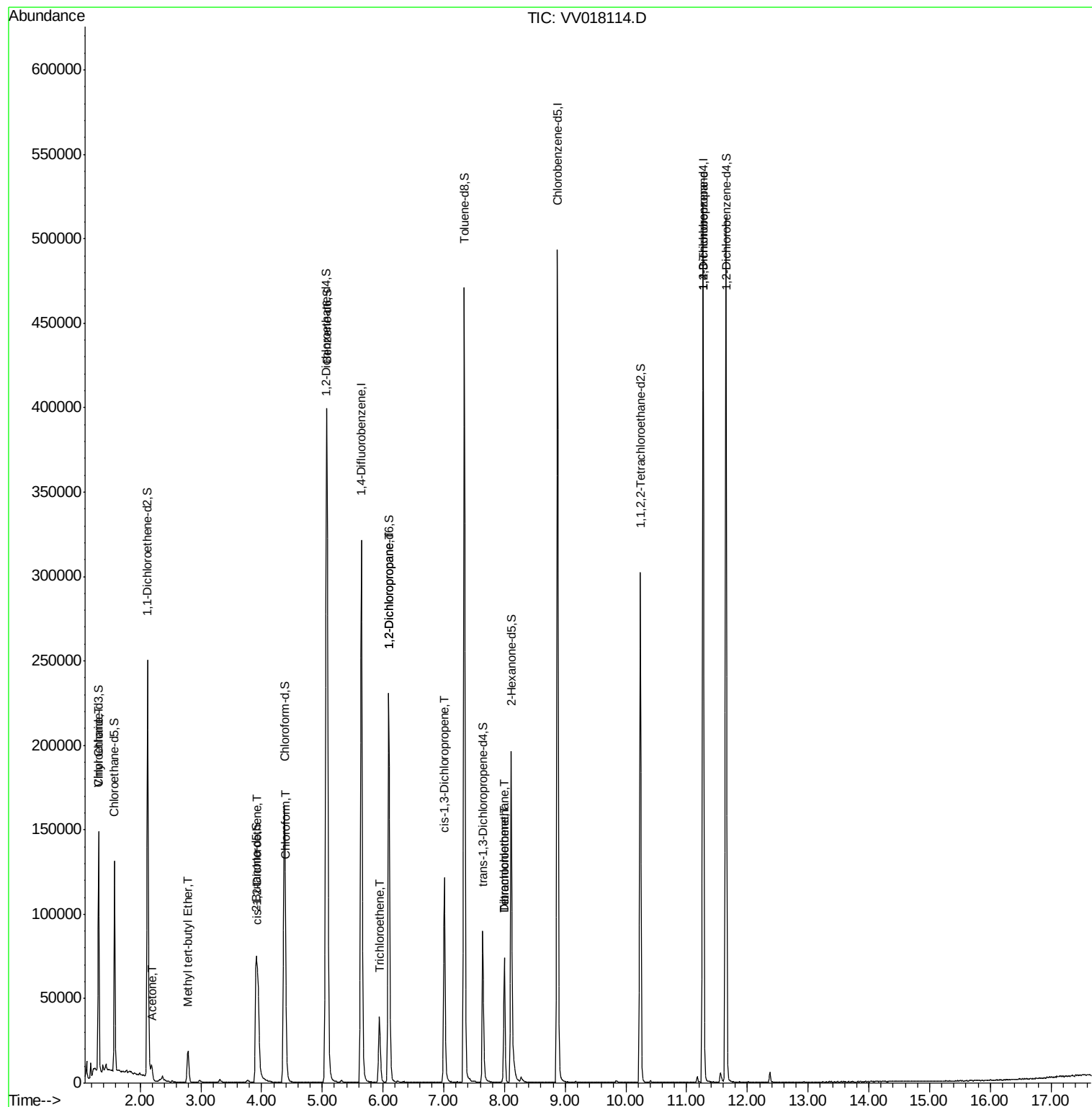
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.32	64	1613	1.072	ug/L #	59
13) Acetone	2.19	43	10570	7.716	ug/L	98
18) Methyl tert-butyl Ether	2.79	73	17678	2.921	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	21856	10.869	ug/L	97
25) Chloroform	4.40	83	5272	1.405	ug/L	99
34) Trichloroethene	5.94	95	11982	5.516	ug/L	99
37) 1,2-Dichloropropane	6.09	63	12049	5.376	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	2815	0.886	ug/L #	69
46) Tetrachloroethene	8.00	164	17048	10.701	ug/L	97
49) Dibromochloromethane	8.00	129	15343	7.574	ug/L #	10
59) 1,2,3-Trichloropropane	11.27	75	15239	5.506	ug/L	93

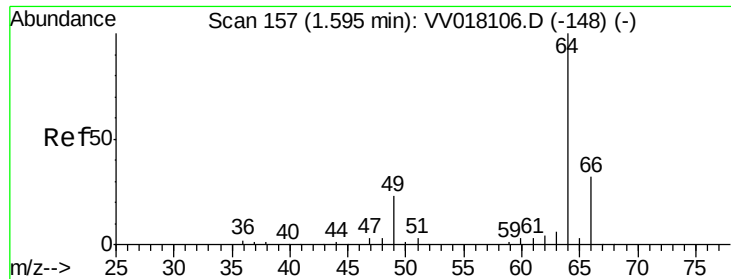
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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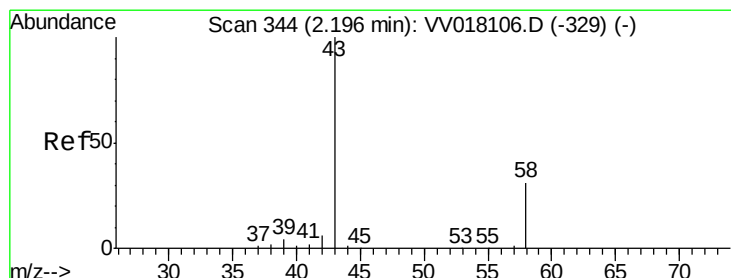
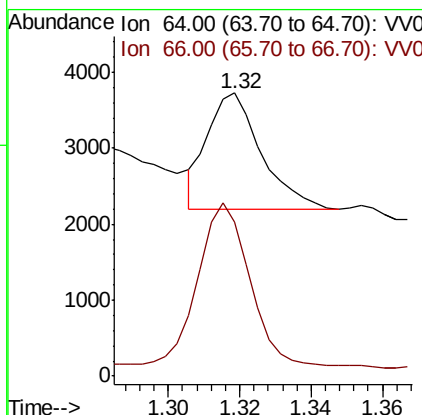
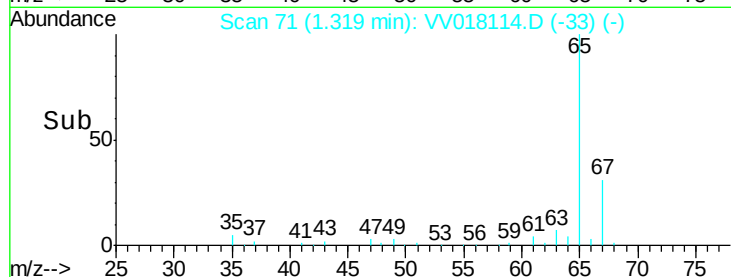
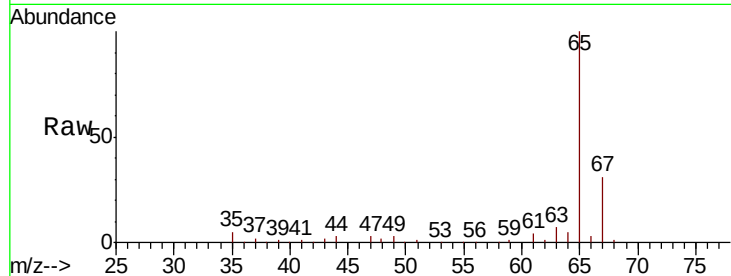




#8
 Chloroethane
 Concen: 1.072 ug/L
 RT: 1.32 min Scan# 71
 Delta R.T. -0.28 min
 Lab File: VV018114.D
 Acq: 27 Aug 2020 13:55

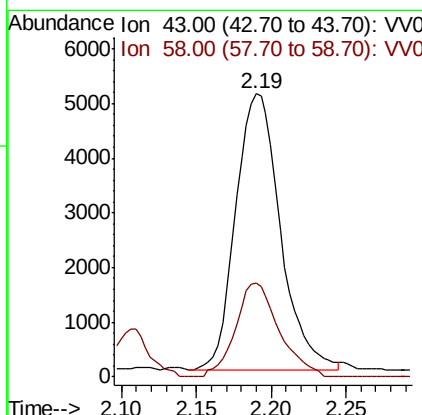
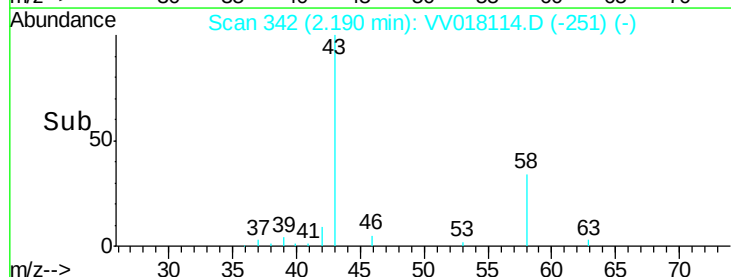
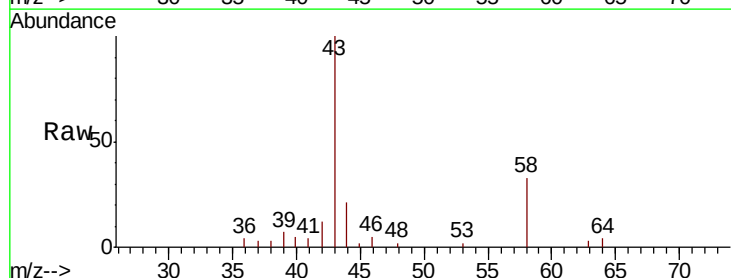
Instrument :
 MSVOA_V
 ClientSampleId :
 BG3G5

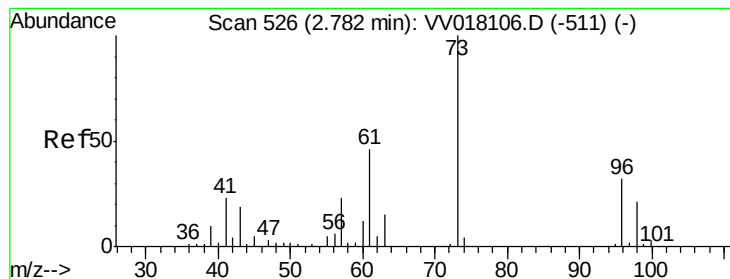
Tot Ion: 64 Resp: 1613
 Ion Ratio Lower Upper
 64 100
 66 54.3 22.3 41.3#



#13
 Acetone
 Concen: 7.716 ug/L
 RT: 2.19 min Scan# 342
 Delta R.T. -0.01 min
 Lab File: VV018114.D
 Acq: 27 Aug 2020 13:55

Tgt Ion: 43 Resp: 10570
 Ion Ratio Lower Upper
 43 100
 58 32.9 0.0 63.6



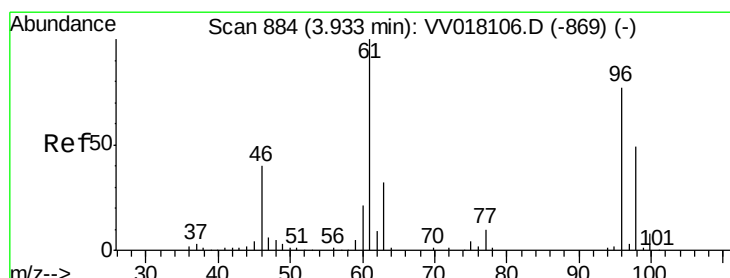
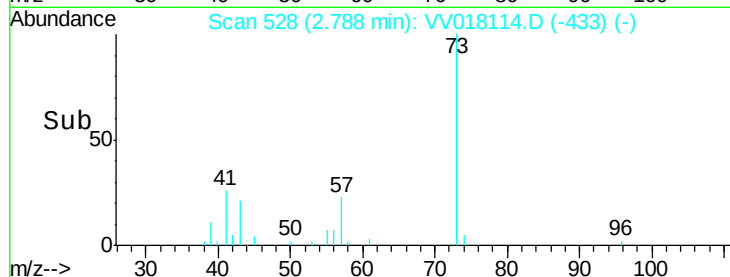
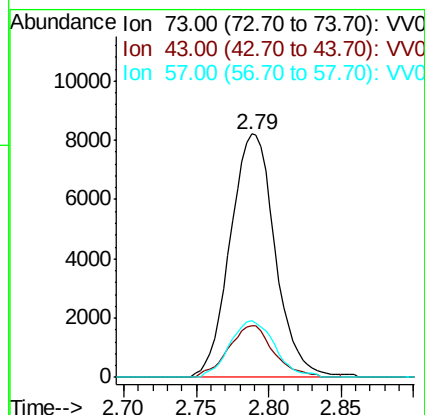
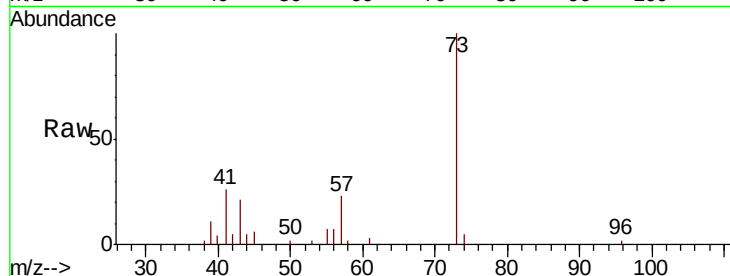


#18

Methyl tert-butyl Ether
 Concen: 2.921 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. 0.01 min
 Lab File: VV018114.D
 Acq: 27 Aug 2020 13:55

Instrument :
 MSVOA_V
 ClientSampled :
 BG3G5

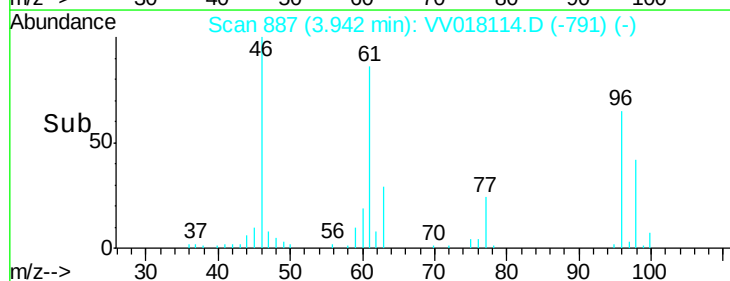
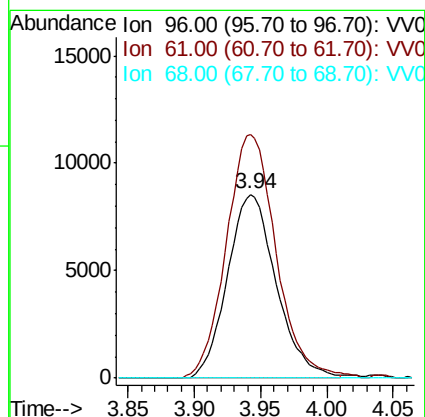
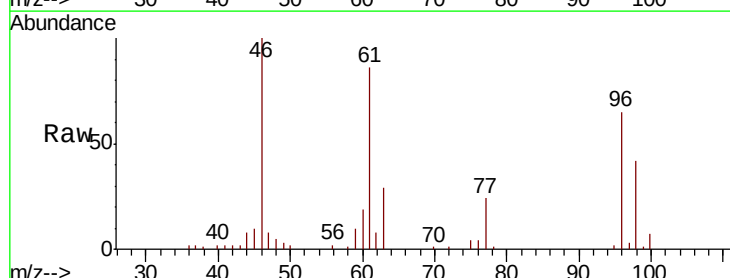
Tot Ion: 73 Resp: 17678
 Ion Ratio Lower Upper
 73 100
 43 21.4 15.9 23.9
 57 23.5 18.1 27.1

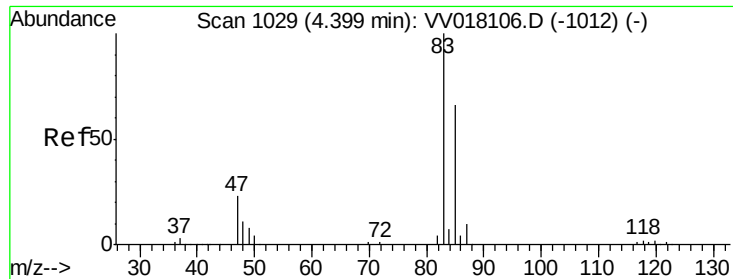


#20

cis-1,2-Dichloroethene
 Concen: 10.869 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: VV018114.D
 Acq: 27 Aug 2020 13:55

Tgt Ion: 96 Resp: 21856
 Ion Ratio Lower Upper
 96 100
 61 132.4 95.0 176.4
 68 0.0 0.0 0.0

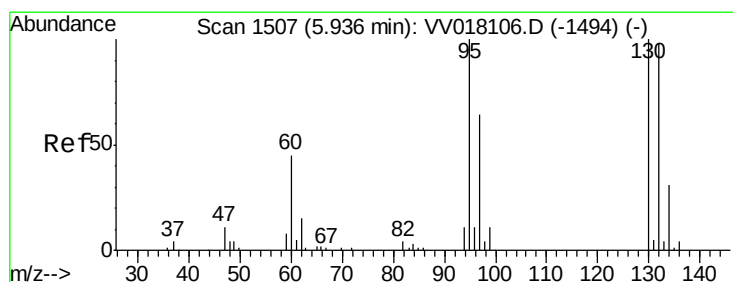
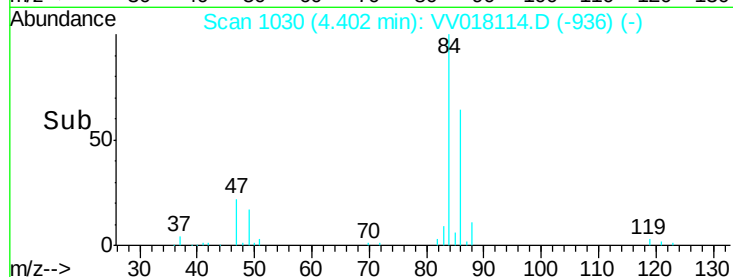
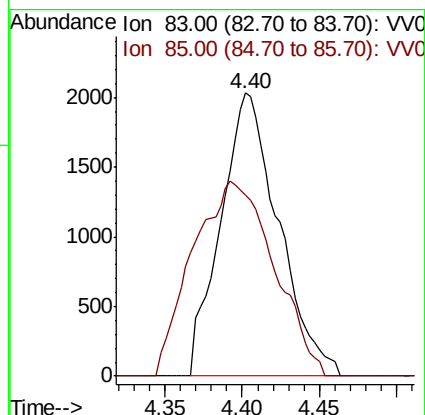
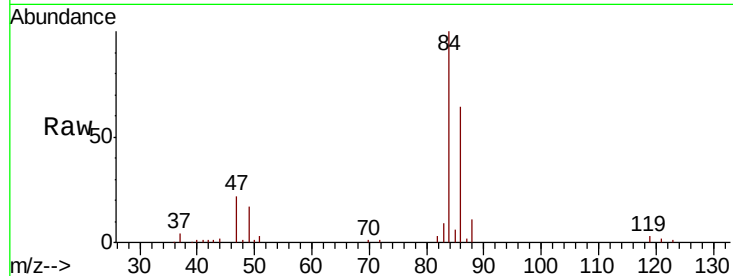




#25
Chloroform
Concen: 1.405 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018114.D
Acq: 27 Aug 2020 13:55

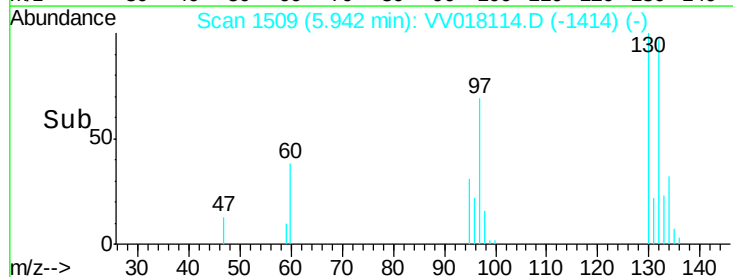
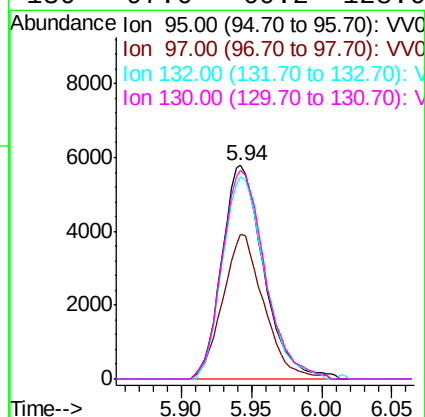
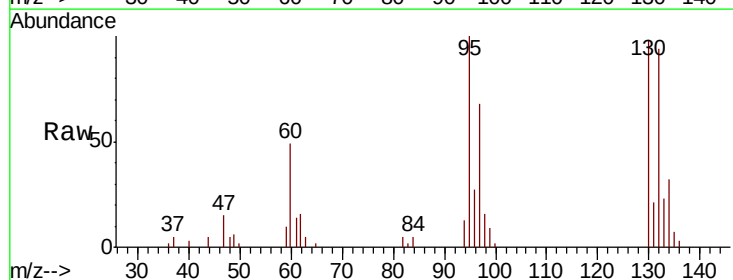
Instrument :
MSVOA_V
ClientSampleId :
BG3G5

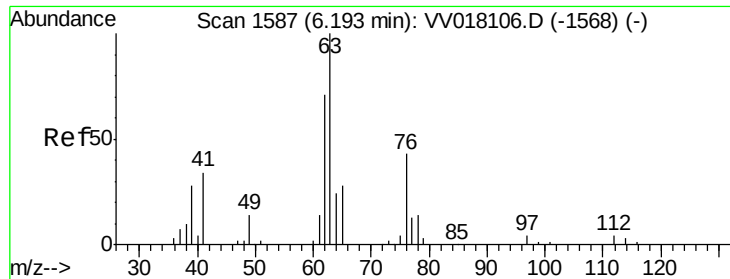
Tot Ion: 83 Resp: 5272
Ion Ratio Lower Upper
83 100
85 64.0 45.5 84.5



#34
Trichloroethene
Concen: 5.516 ug/L
RT: 5.94 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VV018114.D
Acq: 27 Aug 2020 13:55

Tgt Ion: 95 Resp: 11982
Ion Ratio Lower Upper
95 100
97 67.8 46.0 85.4
132 94.5 65.8 122.2
130 97.6 69.2 128.6

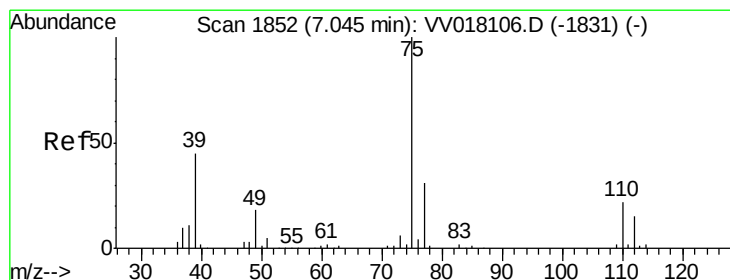
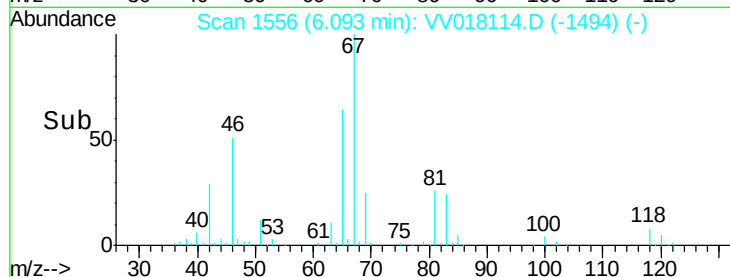
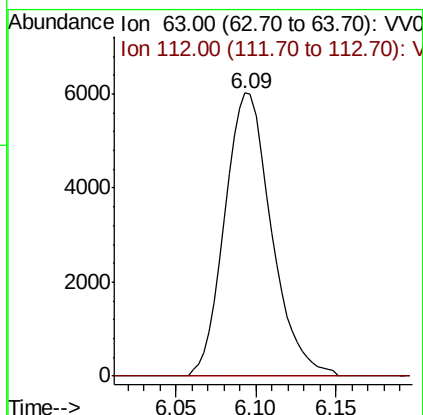
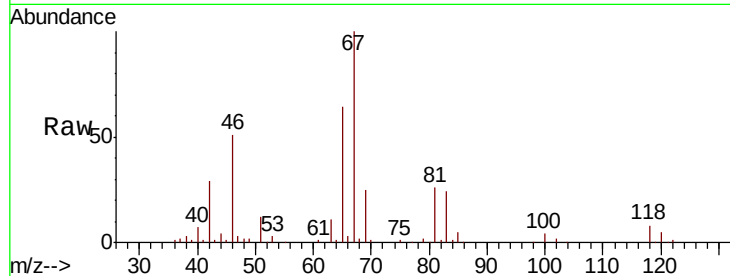




#37
 1,2-Dichloropropane
 Concen: 5.376 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV018114.D
 Acq: 27 Aug 2020 13:55

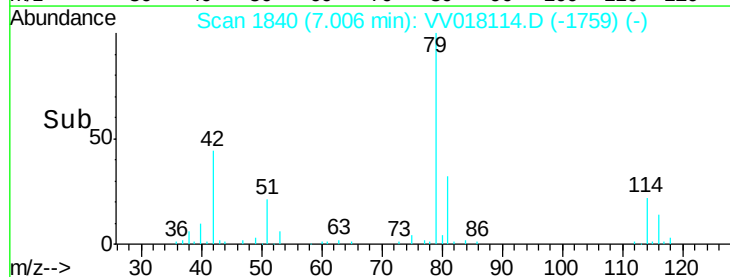
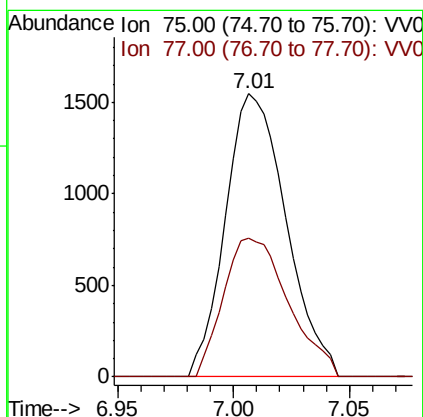
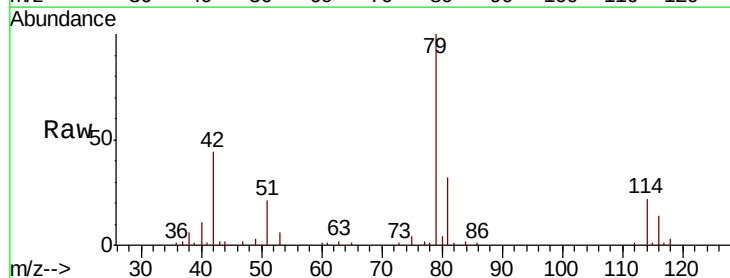
Instrument :
 MSVOA_V
 ClientSampled :
 BG3G5

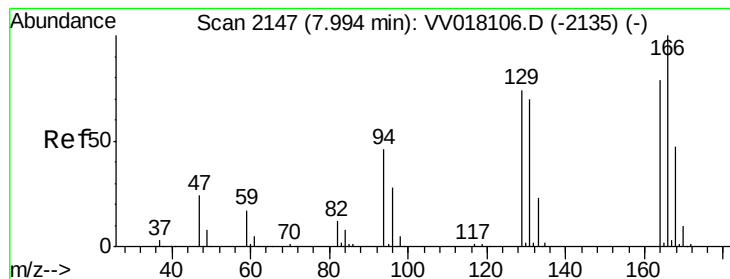
Tot Ion: 63 Resp: 12049
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.886 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV018114.D
 Acq: 27 Aug 2020 13:55

Tgt Ion: 75 Resp: 2815
 Ion Ratio Lower Upper
 75 100
 77 48.9 22.3 41.5#





#46

Tetrachloroethene

Concen: 10.701 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV018114.D

Acq: 27 Aug 2020 13:55

Instrument :

MSVOA_V

ClientSampleId :

BG3G5

Tot Ion:164 Resp: 17048

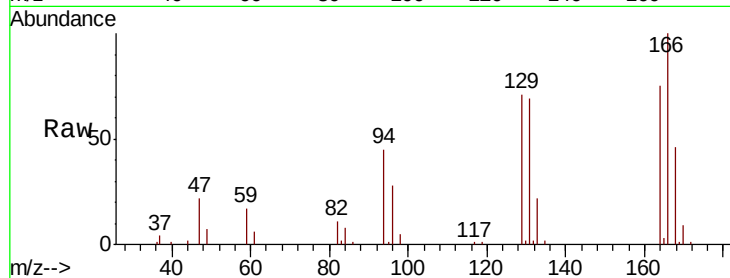
Ion Ratio Lower Upper

164 100

129 94.2 64.8 120.3

131 92.1 64.5 119.9

166 133.1 88.9 165.1

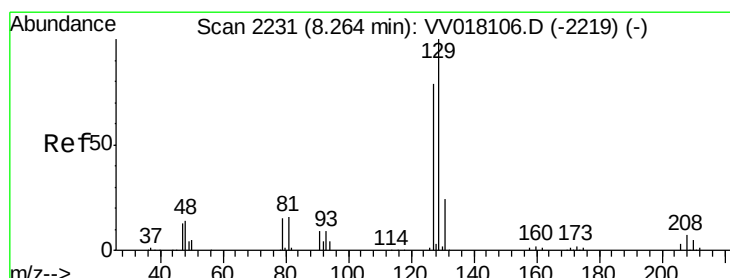
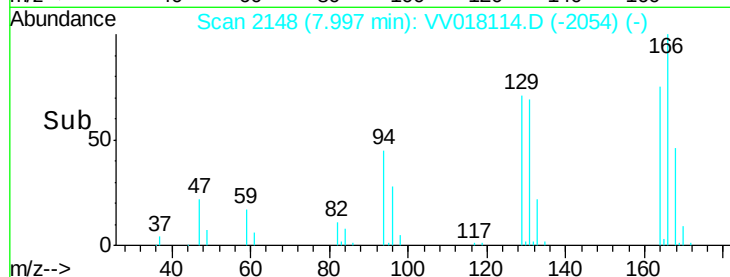
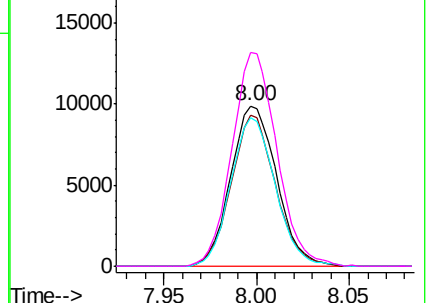


Abundance Ion 164.00 (163.70 to 164.70): V

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



#49

Dibromochloromethane

Concen: 7.574 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV018114.D

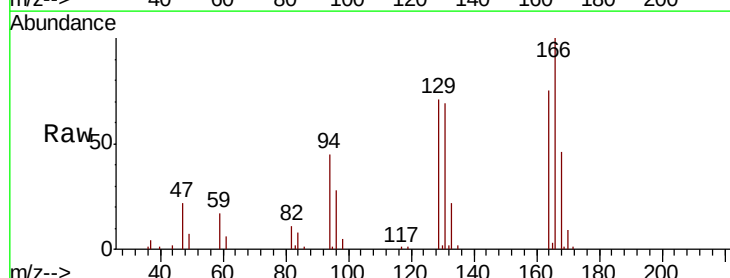
Acq: 27 Aug 2020 13:55

Tgt Ion:129 Resp: 15343

Ion Ratio Lower Upper

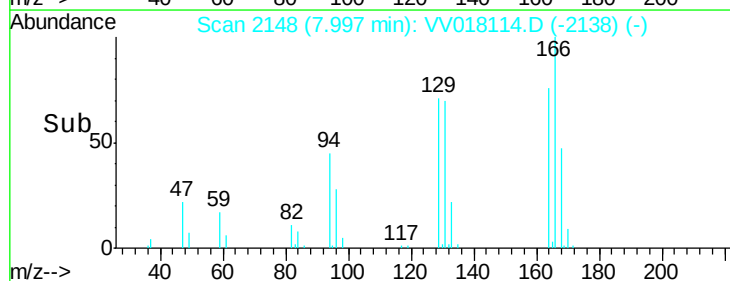
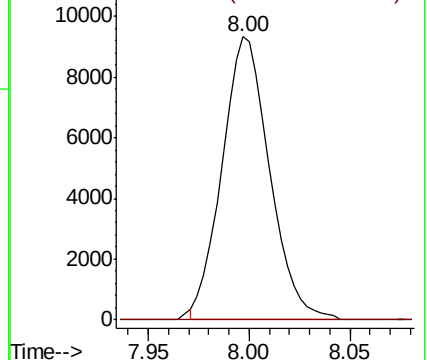
129 100

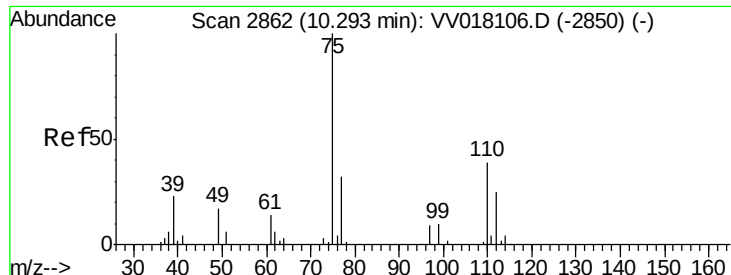
127 0.0 54.9 101.9#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#59

1,2,3-Trichloropropane

Concen: 5.506 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018114.D

Acq: 27 Aug 2020 13:55

Instrument :

MSVOA_V

ClientSampleId :

BG3G5

Tot Ion: 75 Resp: 15239

Ion Ratio Lower Upper

75 100

77 36.2 25.7 38.5

