

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082720\
 Data File : VV018111.D
 Acq On : 27 Aug 2020 12:44
 Operator : SY/MD
 Sample : L3800-14
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3G1

Quant Time: Aug 28 06:22:21 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	262366	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	258079	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	124864	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	84781	42.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.70%
7) Chloroethane-d5	1.58	69	76535	46.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.46%
11) 1,1-Dichloroethene-d2	2.12	63	130617	34.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.22%
21) 2-Butanone-d5	3.91	46	117397	89.54	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.54%
24) Chloroform-d	4.38	84	166905	45.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.60%
26) 1,2-Dichloroethane-d4	5.06	65	114135	48.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.44%
32) Benzene-d6	5.08	84	336381	47.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.58%
36) 1,2-Dichloropropane-d6	6.09	67	110237	47.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.82%
41) Toluene-d8	7.34	98	293390	45.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.74%
43) trans-1,3-Dichloropropene-	7.64	79	51092	48.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.88%
47) 2-Hexanone-d5	8.11	63	65553	87.85	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.85%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	142785	47.16	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.32%
64) 1,2-Dichlorobenzene-d4	11.65	152	125022	50.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.74%

Target Compounds

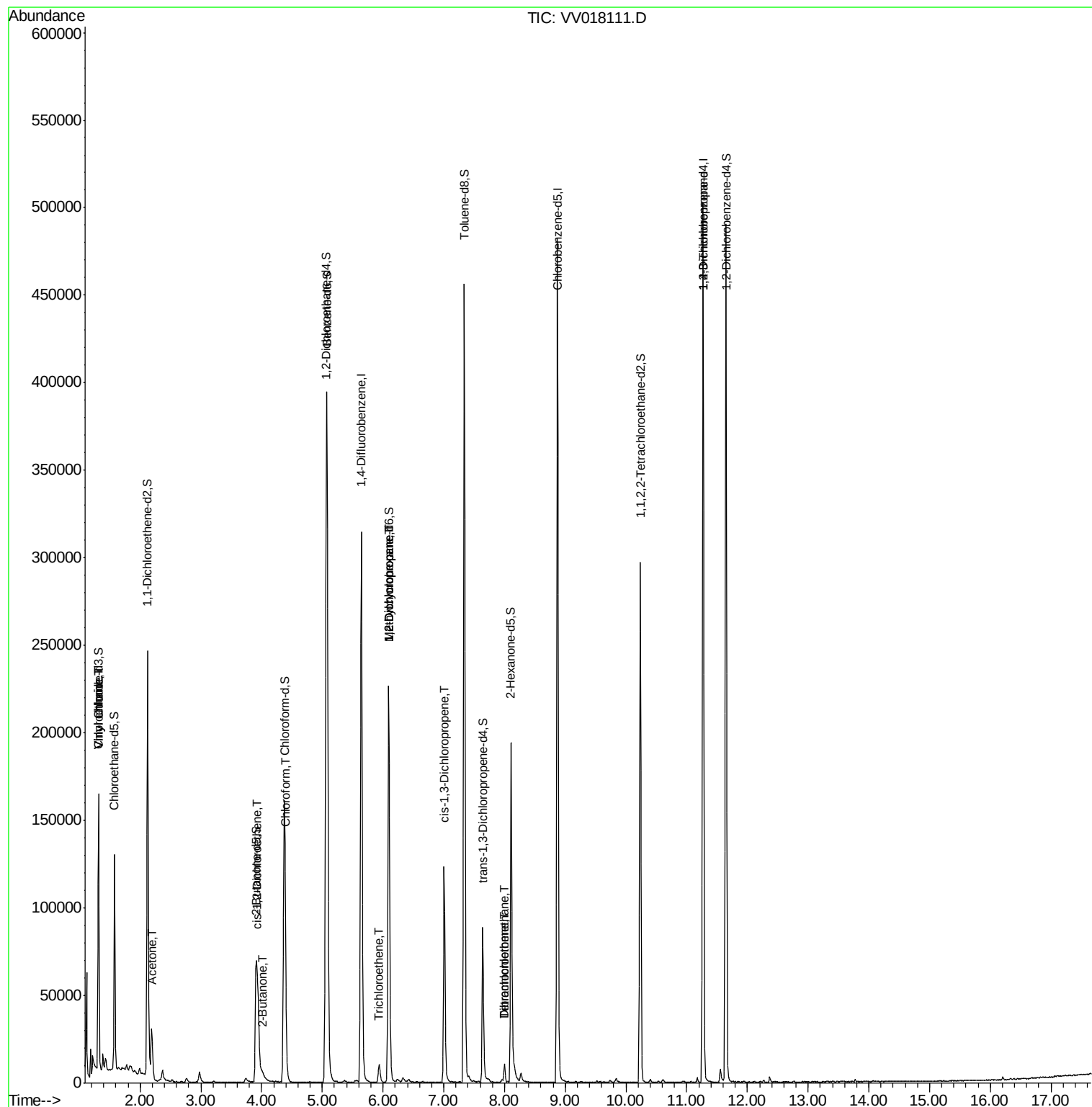
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	2255	0.967	ug/L #	1
8) Chloroethane	1.32	64	2782	1.870	ug/L #	57
13) Acetone	2.19	43	37404	27.620	ug/L	100
20) cis-1,2-Dichloroethene	3.94	96	16755	8.428	ug/L	99
22) 2-Butanone	4.02	43	9452	6.222	ug/L	75
25) Chloroform	4.40	83	3114	0.839	ug/L	88
34) Trichloroethene	5.95	95	1672	0.792	ug/L	95
35) Methylcyclohexane	6.09	83	26071	8.307	ug/L #	17
37) 1,2-Dichloropropane	6.09	63	12073	5.544	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	2793	0.905	ug/L #	72
46) Tetrachloroethene	8.00	164	2519	1.627	ug/L	96
49) Dibromochloromethane	8.00	129	2368	1.203	ug/L #	10
59) 1,2,3-Trichloropropane	11.27	75	14729	5.477	ug/L	90

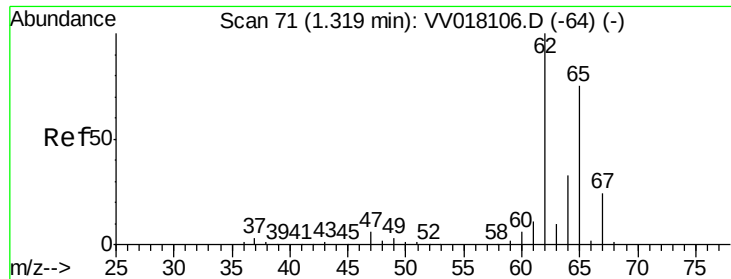
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Aug 28 06:20:16 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.967 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018111.D

Acq: 27 Aug 2020 12:44

Instrument :

MSVOA_V

ClientSampleId :

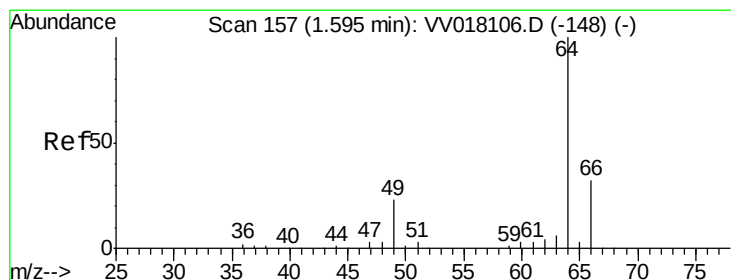
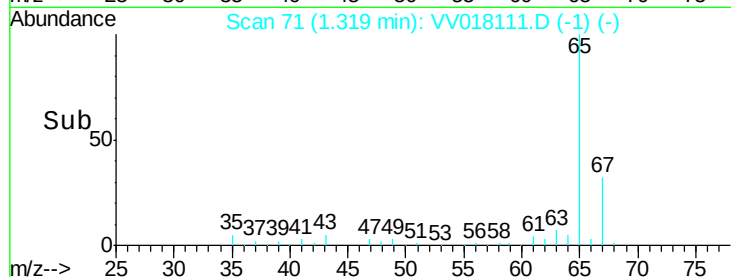
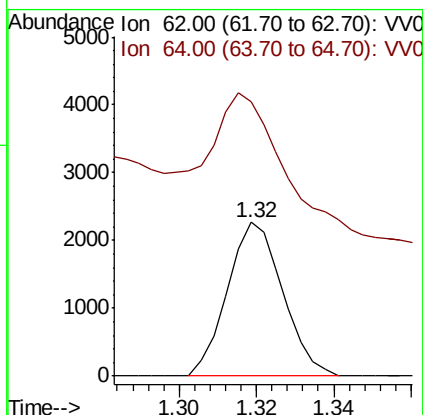
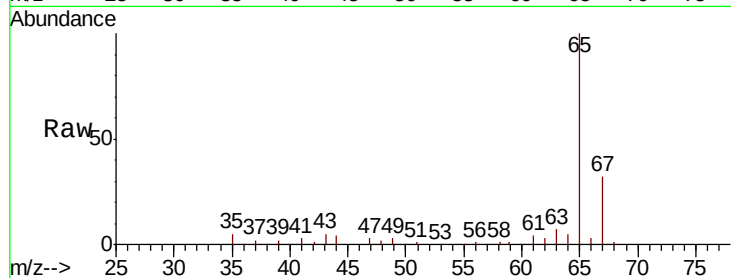
BG3G1

Tot Ion: 62 Resp: 2255

Ion Ratio Lower Upper

62 100

64 178.9 22.4 41.6#



#8

Chloroethane

Concen: 1.870 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.28 min

Lab File: VV018111.D

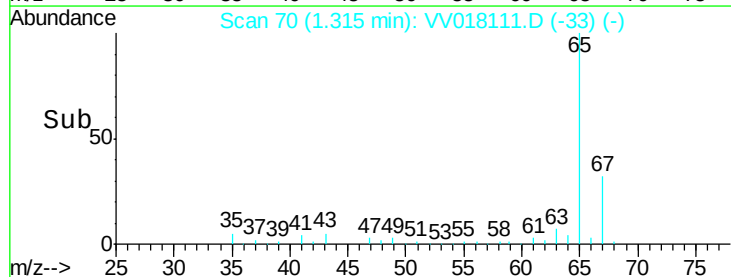
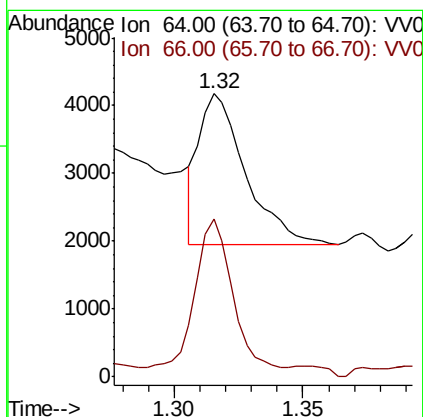
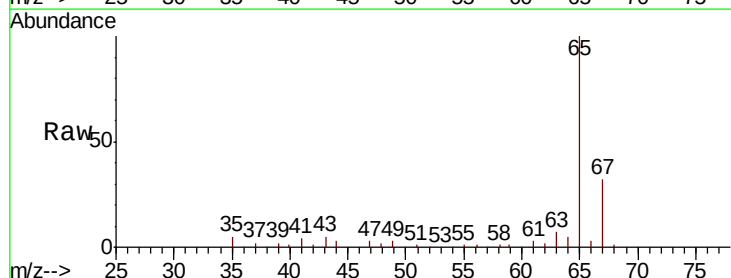
Acq: 27 Aug 2020 12:44

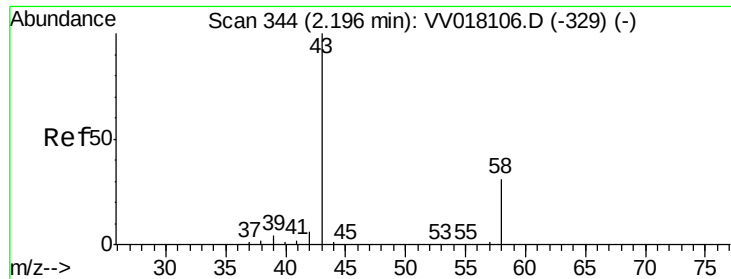
Tgt Ion: 64 Resp: 2782

Ion Ratio Lower Upper

64 100

66 55.7 22.3 41.3#





#13

Acetone

Concen: 27.620 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

Lab File: VV018111.D

Acq: 27 Aug 2020 12:44

Instrument :

MSVOA_V

ClientSampleId :

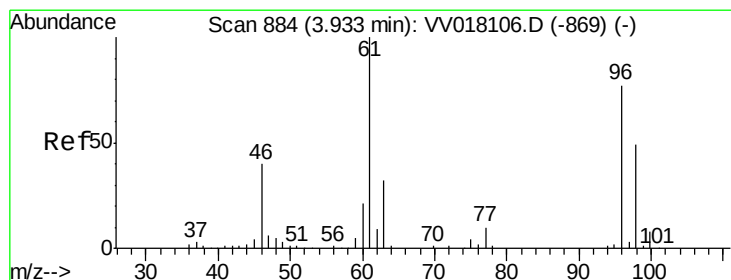
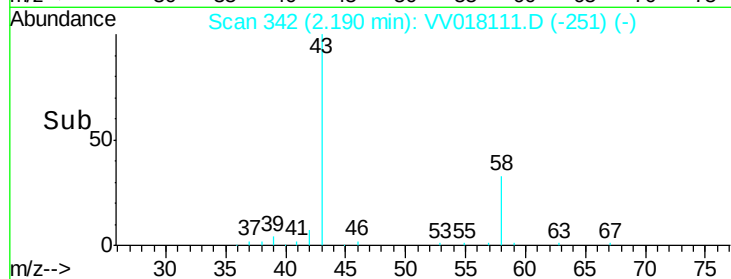
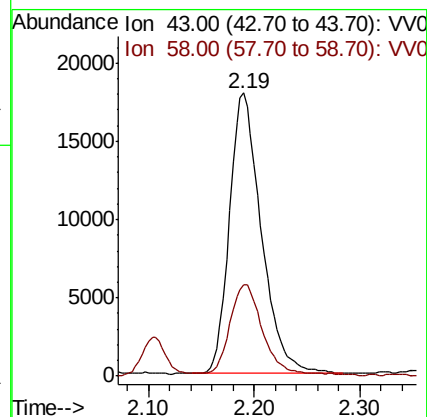
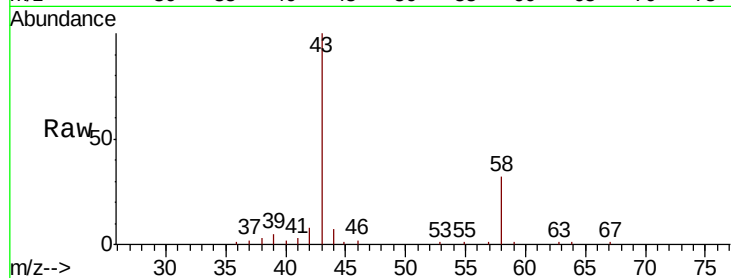
BG3G1

Tot Ion: 43 Resp: 37404

Ion Ratio Lower Upper

43 100

58 31.9 0.0 63.6



#20

cis-1,2-Dichloroethene

Concen: 8.428 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.01 min

Lab File: VV018111.D

Acq: 27 Aug 2020 12:44

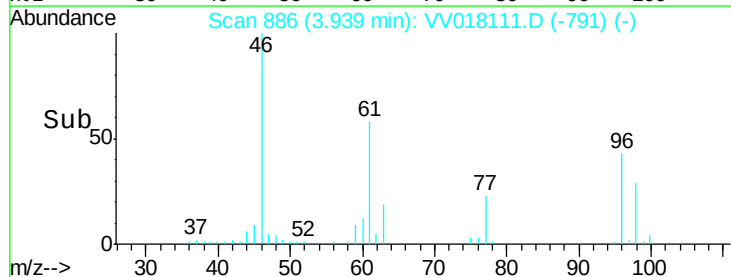
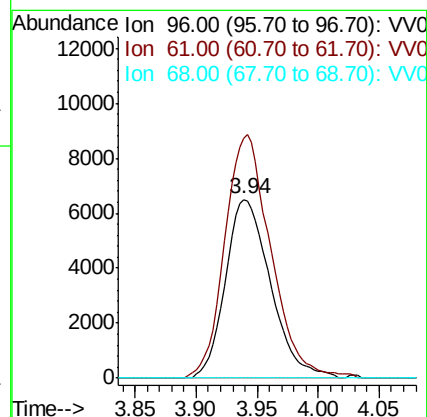
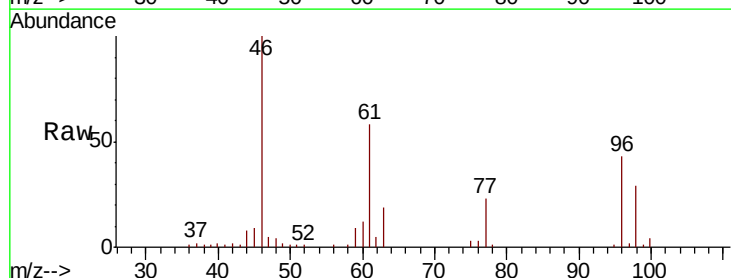
Tgt Ion: 96 Resp: 16755

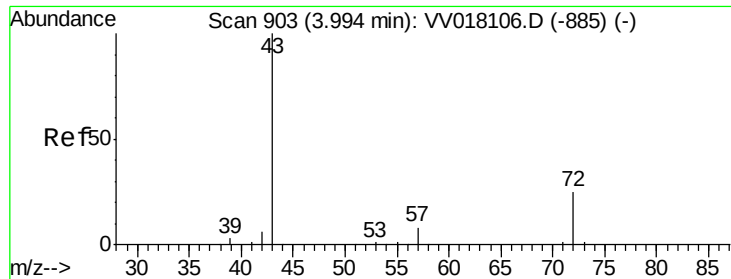
Ion Ratio Lower Upper

96 100

61 134.5 95.0 176.4

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 6.222 ug/L

RT: 4.02 min Scan# 911

Delta R.T. 0.03 min

Lab File: VV018111.D

Acq: 27 Aug 2020 12:44

Instrument :

MSVOA_V

ClientSampleId :

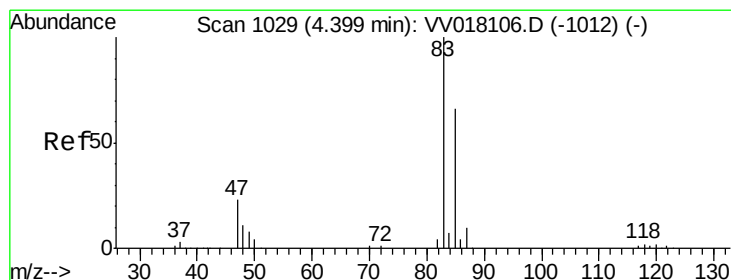
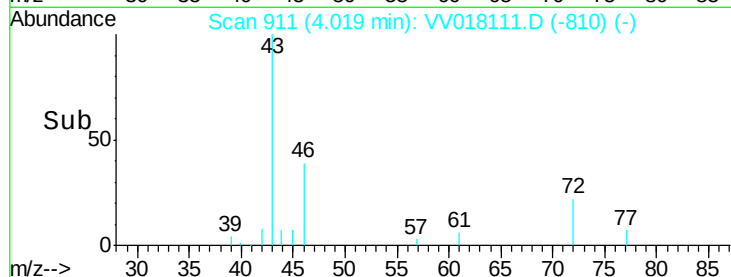
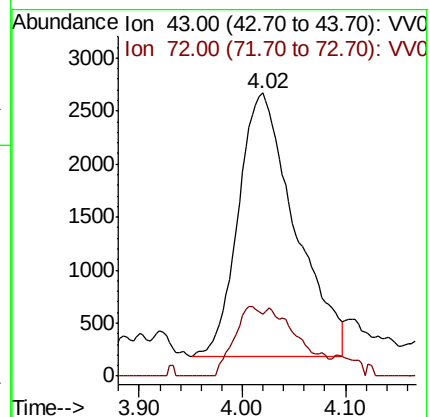
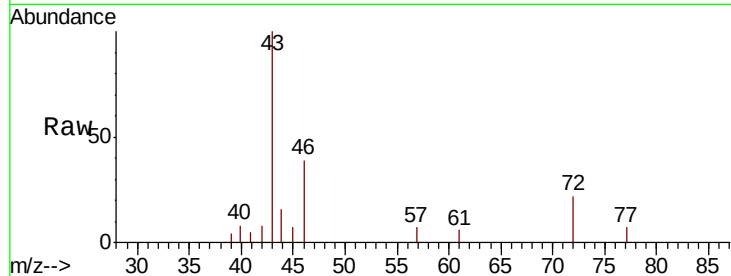
BG3G1

Tot Ion: 43 Resp: 9452

Ion Ratio Lower Upper

43 100

72 12.9 12.7 38.0



#25

Chloroform

Concen: 0.839 ug/L

RT: 4.40 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VV018111.D

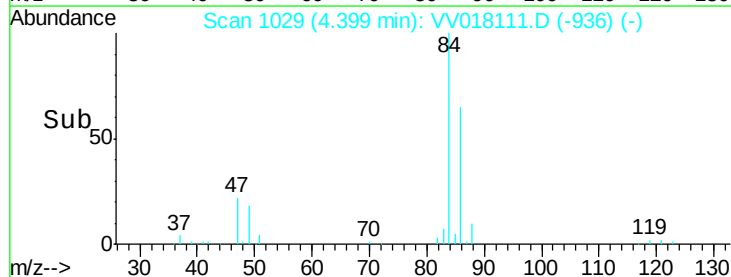
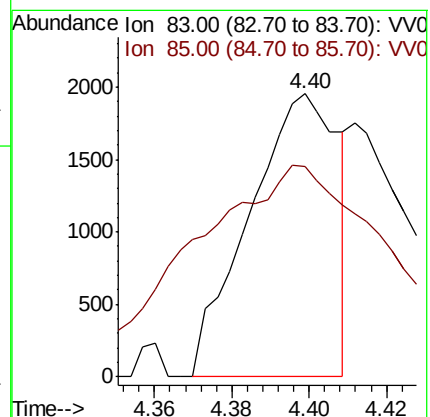
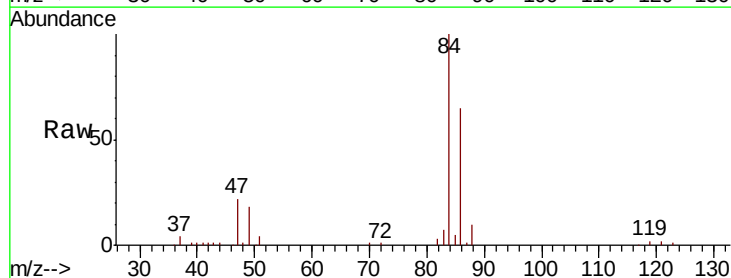
Acq: 27 Aug 2020 12:44

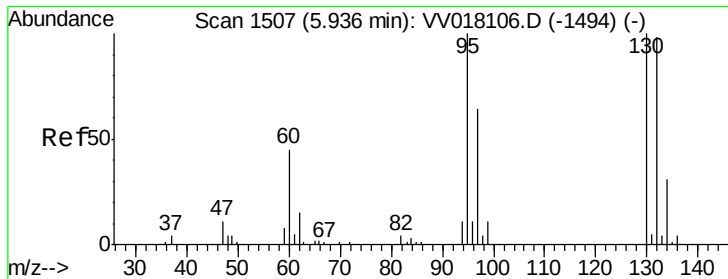
Tgt Ion: 83 Resp: 3114

Ion Ratio Lower Upper

83 100

85 74.3 45.5 84.5





#34

Trichloroethene

Concen: 0.792 ug/L

RT: 5.95 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VV018111.D

Acq: 27 Aug 2020 12:44

Instrument :

MSVOA_V

ClientSampleId :

BG3G1

Tot Ion: 95 Resp: 1672

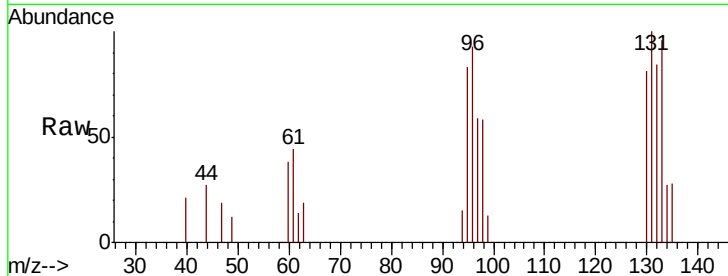
Ion Ratio Lower Upper

95 100

97 71.6 46.0 85.4

132 100.8 65.8 122.2

130 98.1 69.2 128.6

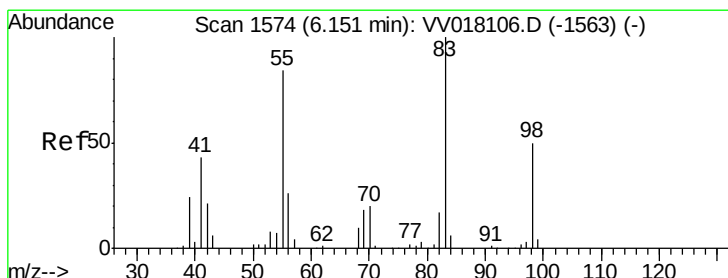
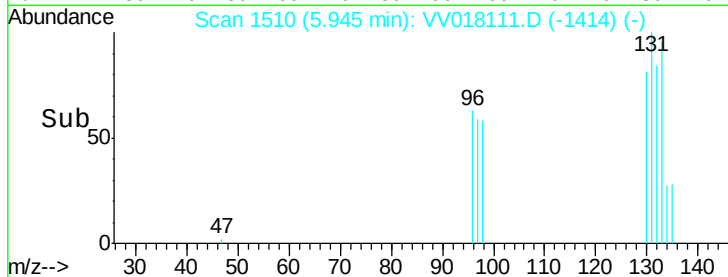
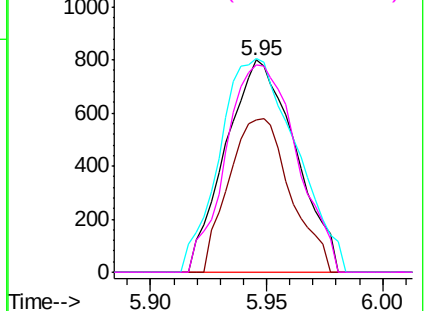


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 8.307 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV018111.D

Acq: 27 Aug 2020 12:44

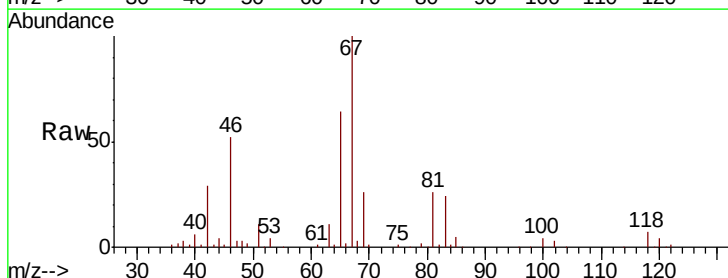
Tgt Ion: 83 Resp: 26071

Ion Ratio Lower Upper

83 100

55 0.2 64.9 97.3#

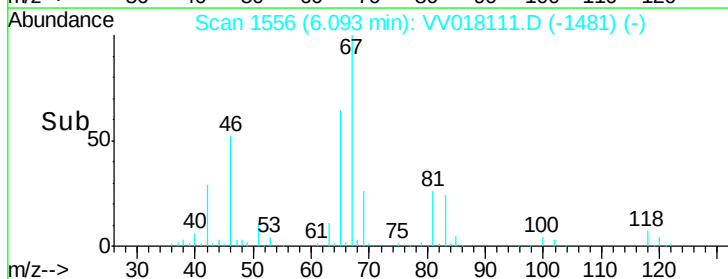
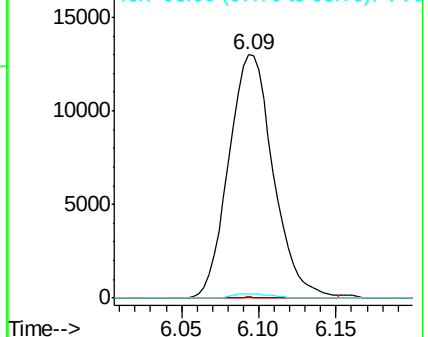
98 1.6 38.7 58.1#

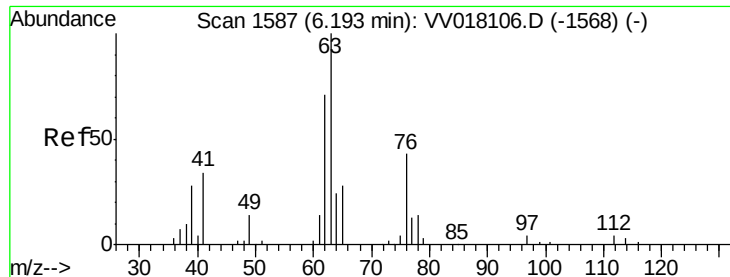


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

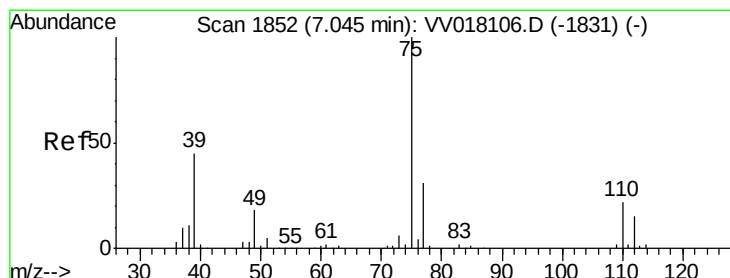
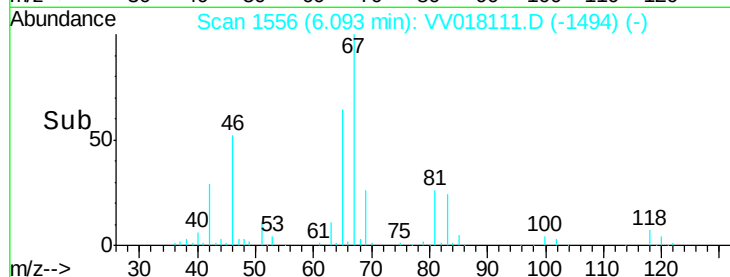
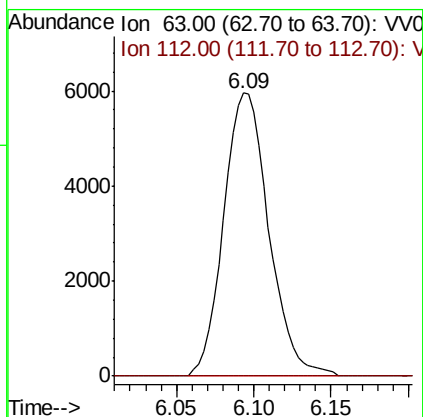
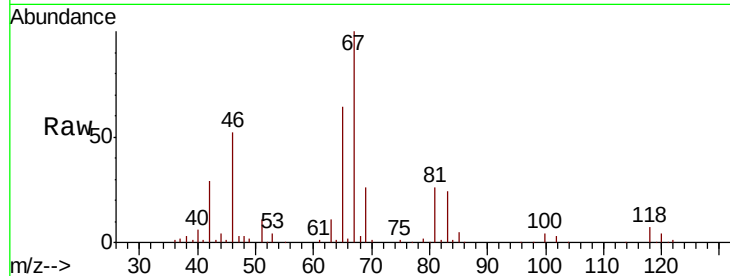




#37
 1,2-Dichloropropane
 Concen: 5.544 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV018111.D
 Acq: 27 Aug 2020 12:44

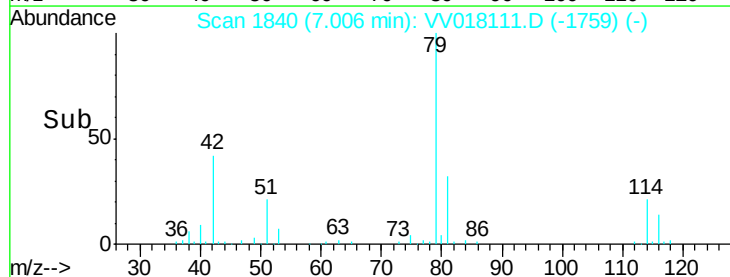
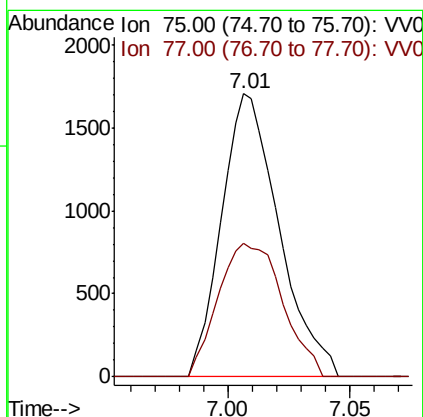
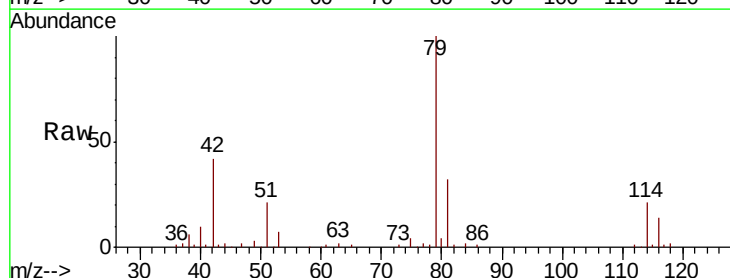
Instrument :
 MSVOA_V
 ClientSampleId :
 BG3G1

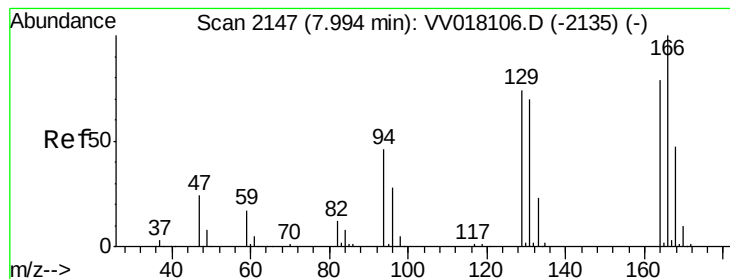
Tot Ion: 63 Resp: 12073
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.905 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV018111.D
 Acq: 27 Aug 2020 12:44

Tgt Ion: 75 Resp: 2793
 Ion Ratio Lower Upper
 75 100
 77 47.3 22.3 41.5#





#46

Tetrachloroethene

Concen: 1.627 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.01 min

Lab File: VV018111.D

Acq: 27 Aug 2020 12:44

Instrument :

MSVOA_V

ClientSampled :

BG3G1

Tot Ion:164 Resp: 2519

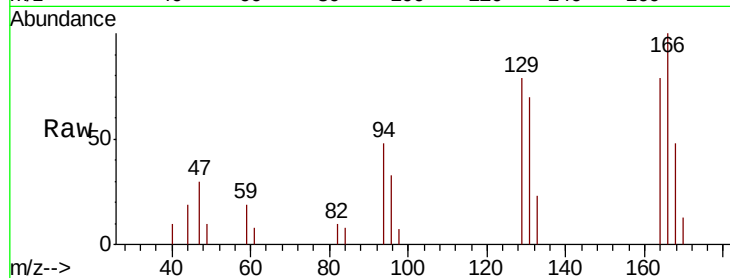
Ion Ratio Lower Upper

164 100

129 100.6 64.8 120.3

131 89.0 64.5 119.9

166 126.9 88.9 165.1

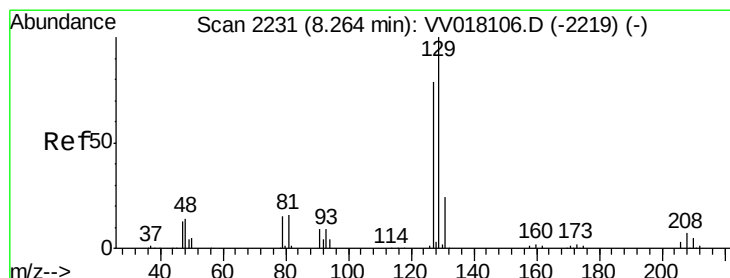
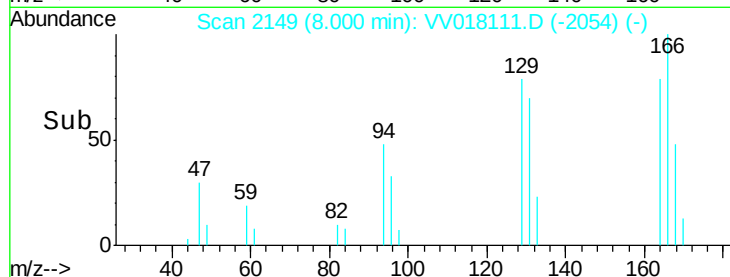
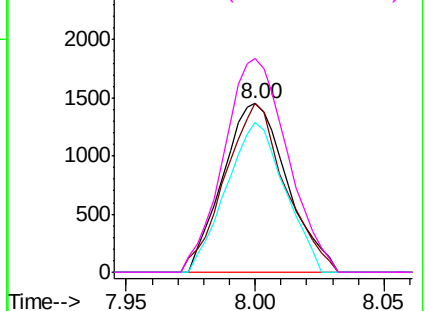


Abundance Ion 164.00 (163.70 to 164.70): V

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: 1.203 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. -0.26 min

Lab File: VV018111.D

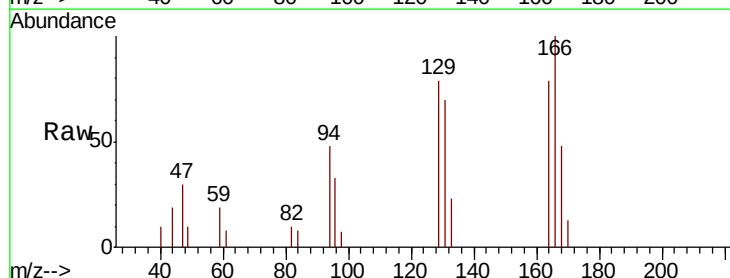
Acq: 27 Aug 2020 12:44

Tgt Ion:129 Resp: 2368

Ion Ratio Lower Upper

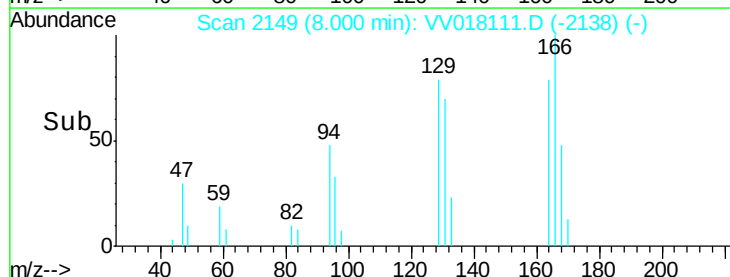
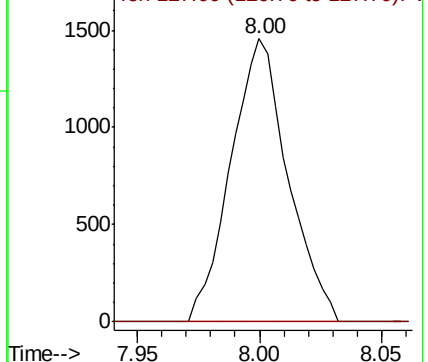
129 100

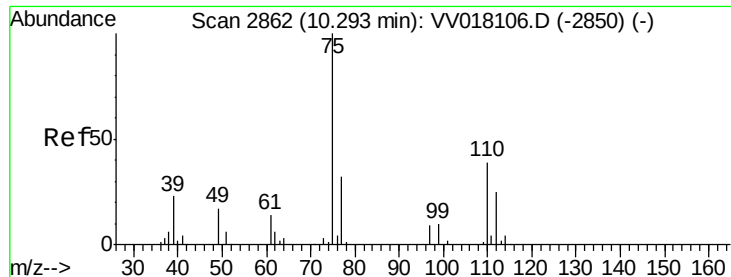
127 0.0 54.9 101.9#



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: 5.477 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018111.D

Acq: 27 Aug 2020 12:44

Instrument :

MSVOA_V

ClientSampleId :

BG3G1

Tot Ion: 75 Resp: 14729

Ion Ratio Lower Upper

75 100

77 38.0 25.7 38.5

