

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082720\
 Data File : VV018112.D
 Acq On : 27 Aug 2020 13:08
 Operator : SY/MD
 Sample : L3800-15
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3G2

Quant Time: Aug 28 06:22:34 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	263068	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	261439	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	127425	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	83307	41.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.00%
7) Chloroethane-d5	1.58	69	76396	46.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.04%
11) 1,1-Dichloroethene-d2	2.12	63	129649	33.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.54%
21) 2-Butanone-d5	3.91	46	115705	88.01	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.01%
24) Chloroform-d	4.38	84	165342	45.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.50%
26) 1,2-Dichloroethane-d4	5.06	65	112593	47.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.88%
32) Benzene-d6	5.08	84	335569	46.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.14%
36) 1,2-Dichloropropane-d6	6.09	67	109727	46.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.16%
41) Toluene-d8	7.34	98	296138	45.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.40%
43) trans-1,3-Dichloropropene-	7.64	79	50412	47.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.38%
47) 2-Hexanone-d5	8.11	63	64129	84.84	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.84%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	139737	45.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.12%
64) 1,2-Dichlorobenzene-d4	11.65	152	125577	50.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.14%

Target Compounds

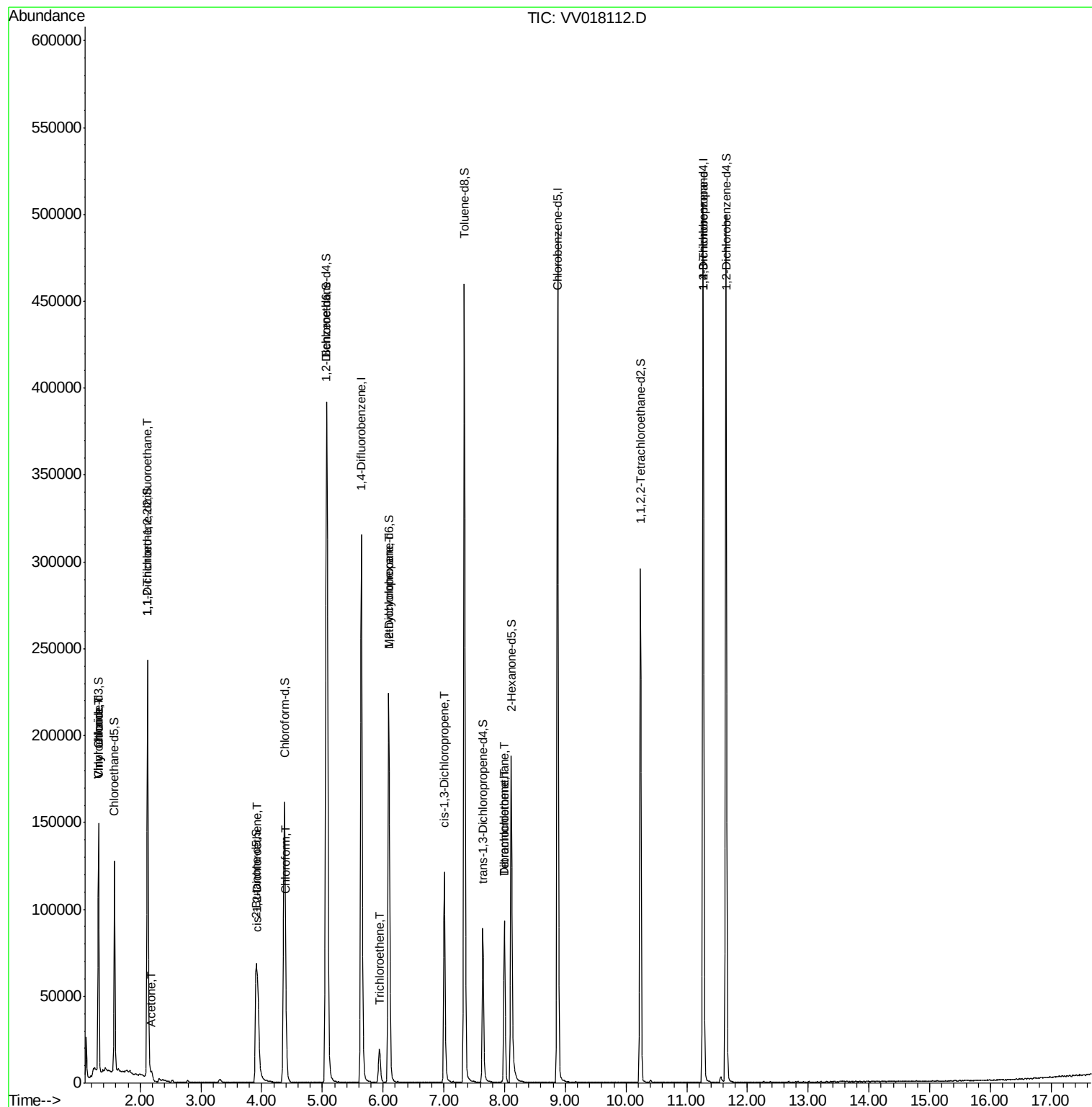
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	2073	0.887	ug/L #	1
8) Chloroethane	1.32	64	1896	1.271	ug/L #	49
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1203	0.645	ug/L #	20
13) Acetone	2.19	43	5790	4.264	ug/L	94
20) cis-1,2-Dichloroethene	3.94	96	17513	8.786	ug/L	94
25) Chloroform	4.41	83	5003	1.345	ug/L	99
34) Trichloroethene	5.95	95	5281	2.470	ug/L	95
35) Methylcyclohexane	6.09	83	25970	8.169	ug/L #	17
39) cis-1,3-Dichloropropene	7.01	75	2933	0.938	ug/L #	62
46) Tetrachloroethene	8.00	164	21312	13.592	ug/L	97
49) Dibromochloromethane	8.00	129	19401	9.730	ug/L #	10
59) 1,2,3-Trichloropropane	11.27	75	14851	5.451	ug/L	93

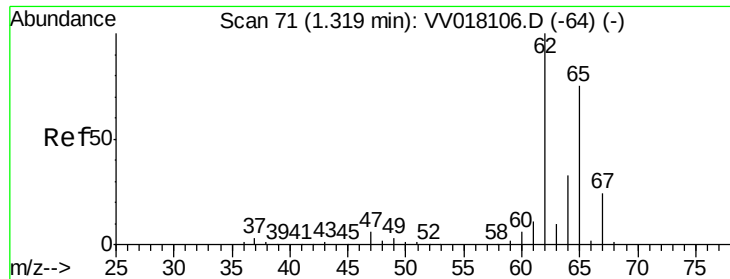
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 28 06:20:16 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.887 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018112.D

Acq: 27 Aug 2020 13:08

Instrument :

MSVOA_V

ClientSampleId :

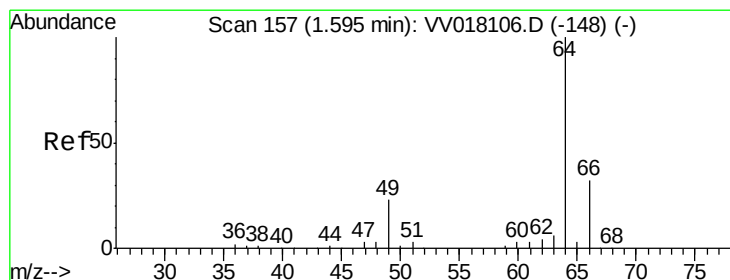
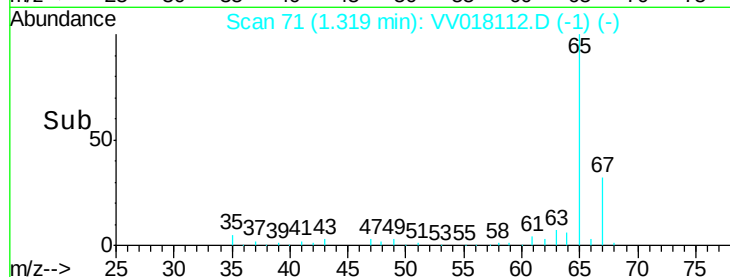
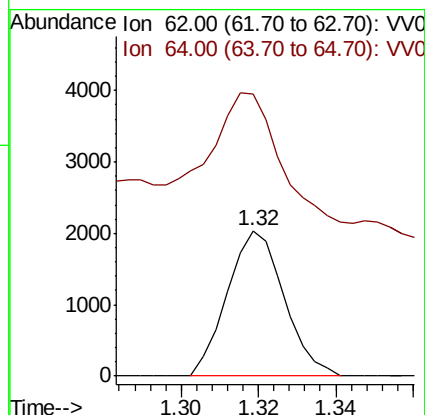
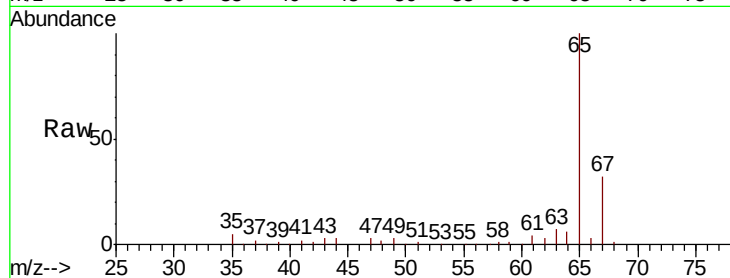
BG3G2

Tot Ion: 62 Resp: 2073

Ion Ratio Lower Upper

62 100

64 194.2 22.4 41.6#



#8

Chloroethane

Concen: 1.271 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.28 min

Lab File: VV018112.D

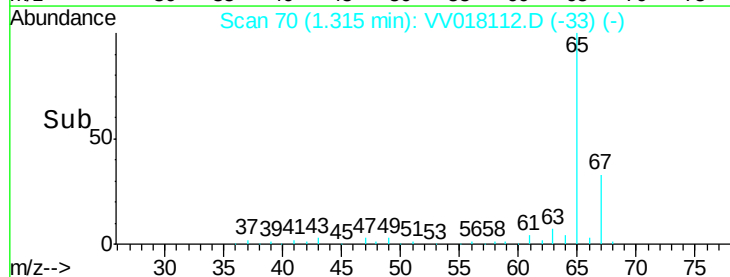
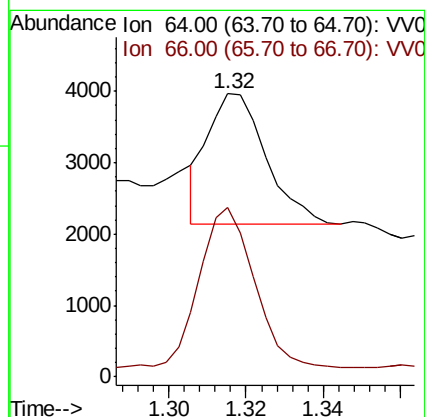
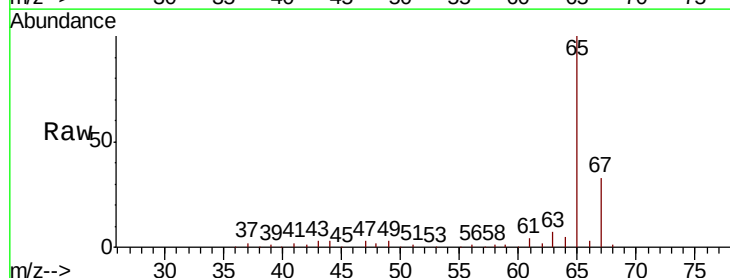
Acq: 27 Aug 2020 13:08

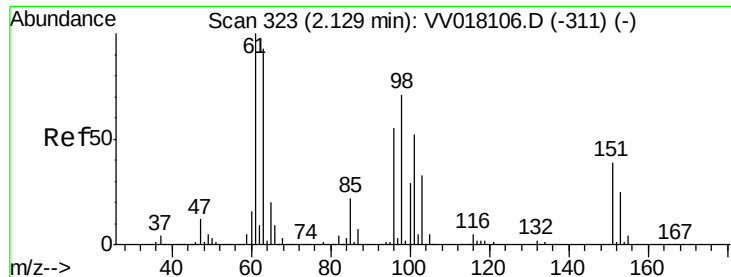
Tgt Ion: 64 Resp: 1896

Ion Ratio Lower Upper

64 100

66 59.9 22.3 41.3#





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.645 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018112.D

Acq: 27 Aug 2020 13:08

Instrument :

MSVOA_V

ClientSampled :

BG3G2

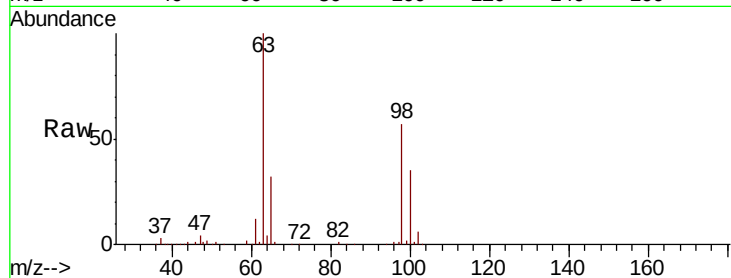
Tot Ion:101 Resp: 1203

Ion Ratio Lower Upper

101 100

85 0.0 34.9 52.3#

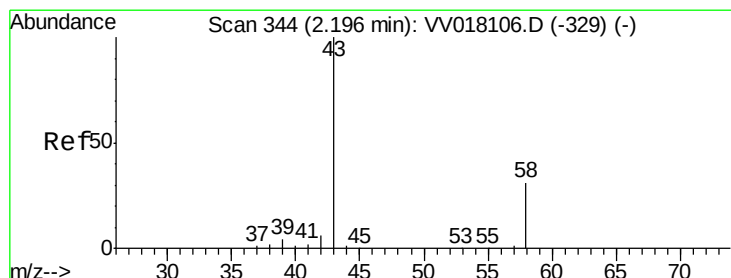
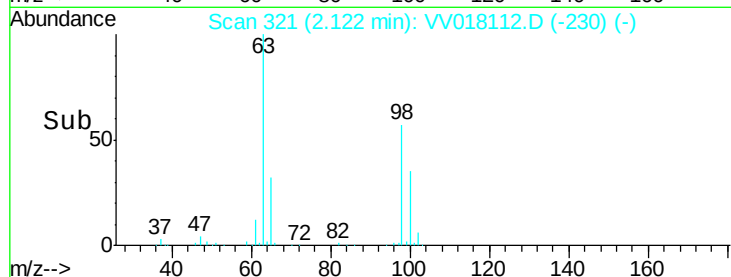
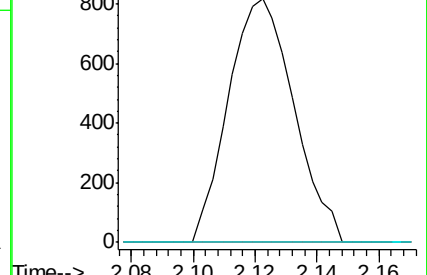
151 0.0 59.1 88.7#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 4.264 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

Lab File: VV018112.D

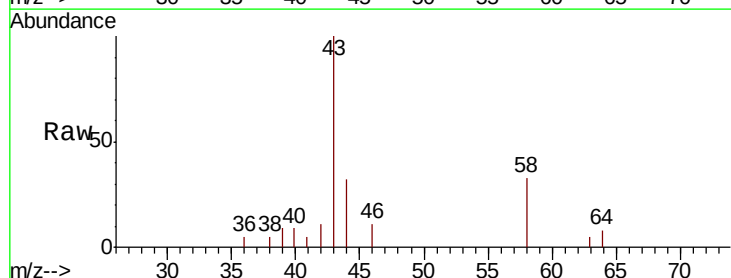
Acq: 27 Aug 2020 13:08

Tgt Ion: 43 Resp: 5790

Ion Ratio Lower Upper

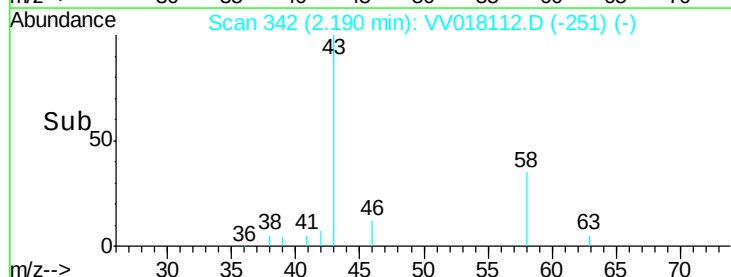
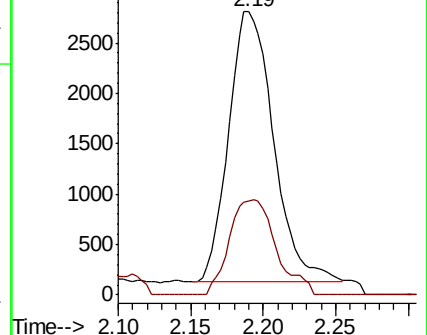
43 100

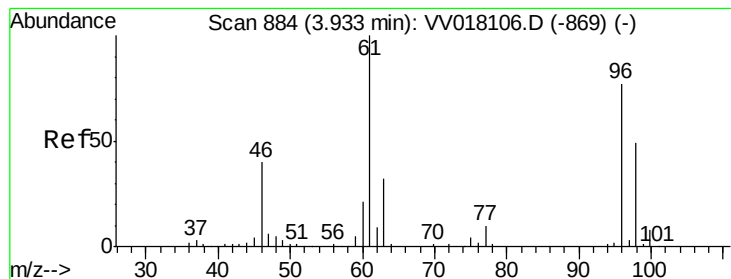
58 34.9 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0





#20

cis-1,2-Dichloroethene

Concen: 8.786 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.01 min

Lab File: VV018112.D

Acq: 27 Aug 2020 13:08

Instrument :

MSVOA_V

ClientSampleId :

BG3G2

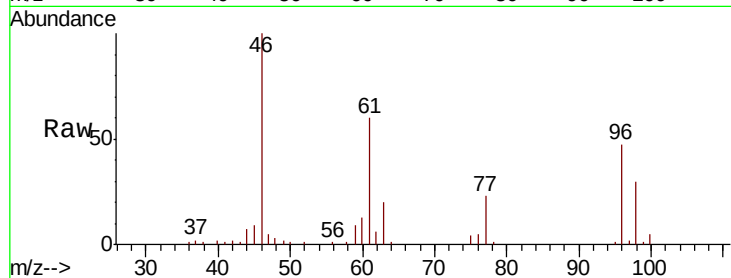
Tot Ion: 96 Resp: 17513

Ion Ratio Lower Upper

96 100

61 128.7 95.0 176.4

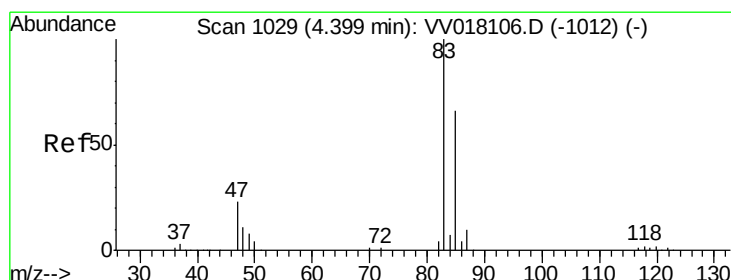
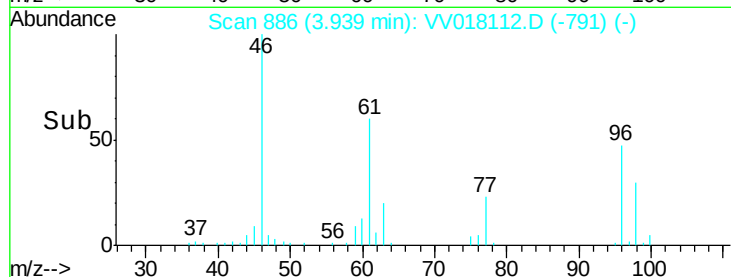
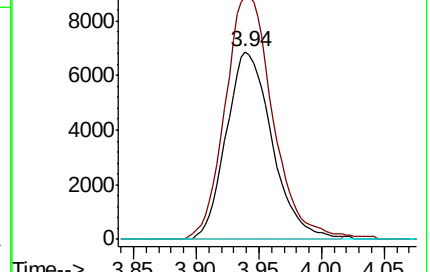
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV018112.D (-791) (-)

Ion 61.00 (60.70 to 61.70): VV018112.D (-791) (-)

Ion 68.00 (67.70 to 68.70): VV018112.D (-791) (-)



#25

Chloroform

Concen: 1.345 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VV018112.D

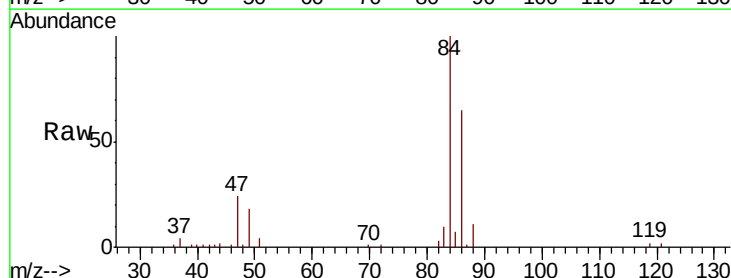
Acq: 27 Aug 2020 13:08

Tgt Ion: 83 Resp: 5003

Ion Ratio Lower Upper

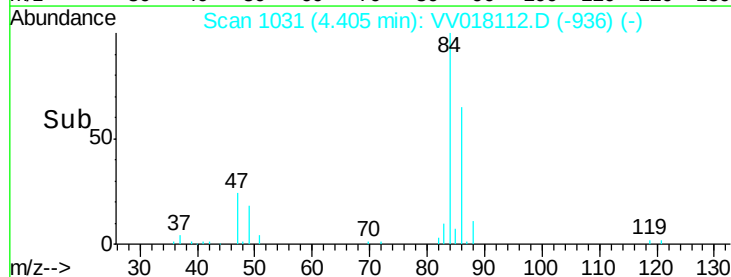
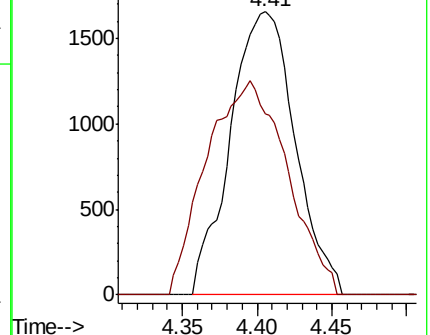
83 100

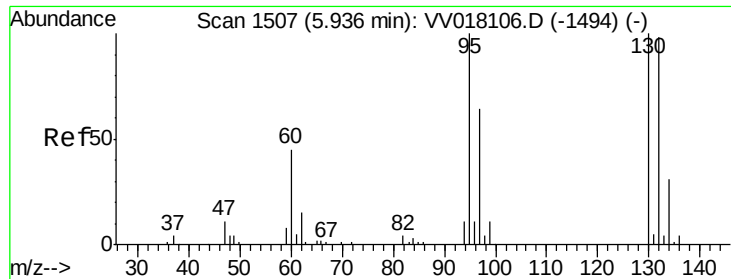
85 64.1 45.5 84.5



Abundance Ion 83.00 (82.70 to 83.70): VV018112.D (-936) (-)

Ion 85.00 (84.70 to 85.70): VV018112.D (-936) (-)





#34

Trichloroethene

Concen: 2.470 ug/L

RT: 5.95 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VV018112.D

Acq: 27 Aug 2020 13:08

Instrument :

MSVOA_V

ClientSampleId :

BG3G2

Tot Ion: 95 Resp: 5281

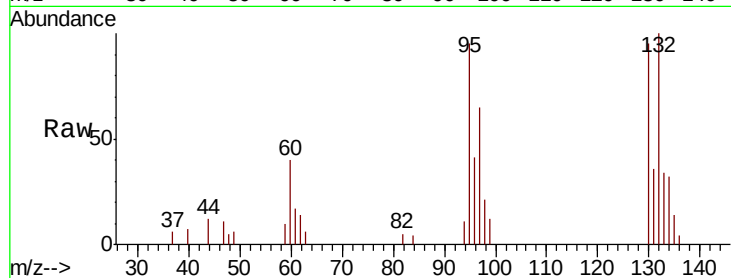
Ion Ratio Lower Upper

95 100

97 68.4 46.0 85.4

132 105.2 65.8 122.2

130 99.9 69.2 128.6

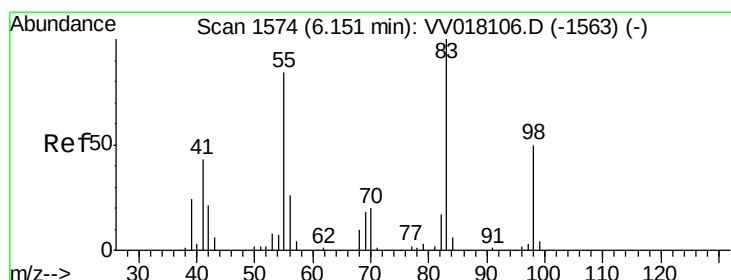
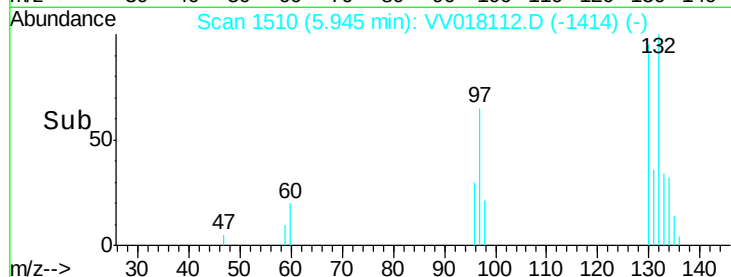
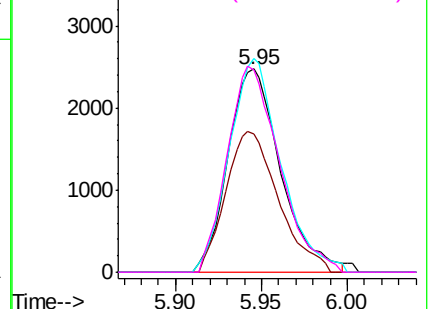


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 8.169 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV018112.D

Acq: 27 Aug 2020 13:08

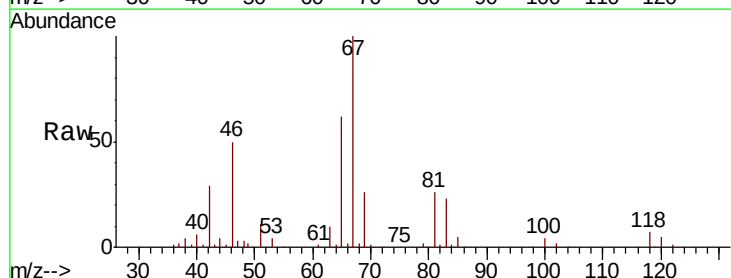
Tgt Ion: 83 Resp: 25970

Ion Ratio Lower Upper

83 100

55 0.2 64.9 97.3#

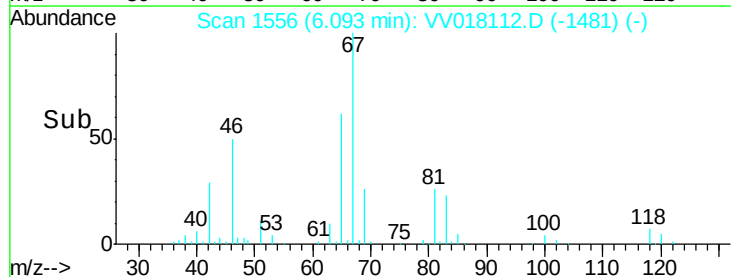
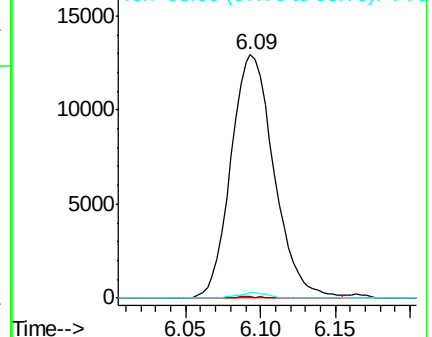
98 1.5 38.7 58.1#

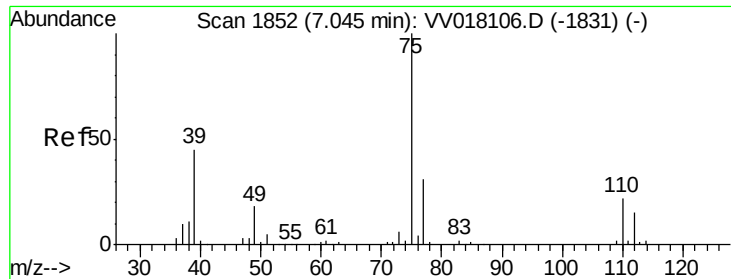


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

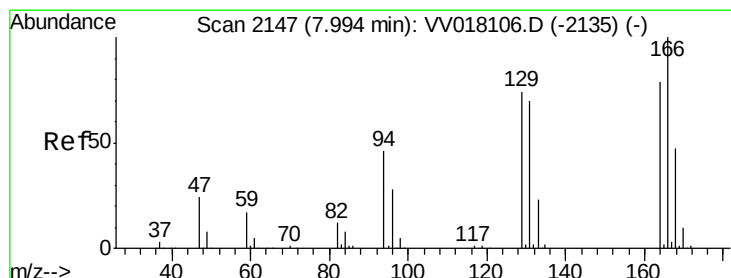
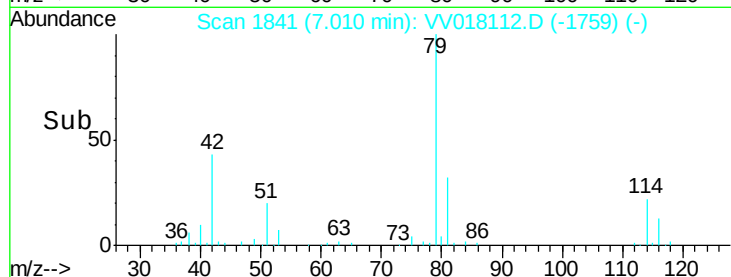
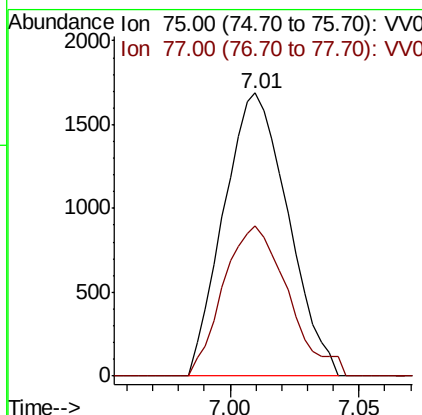
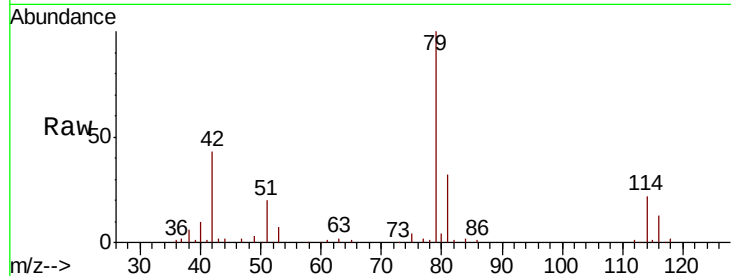




#39
 cis-1,3-Dichloropropene
 Concen: 0.938 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV018112.D
 Acq: 27 Aug 2020 13:08

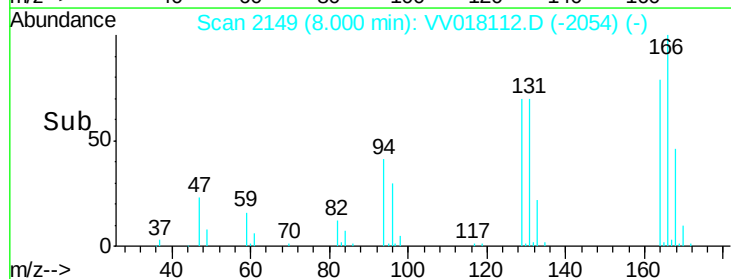
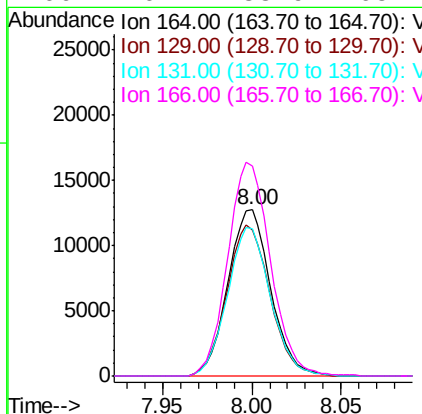
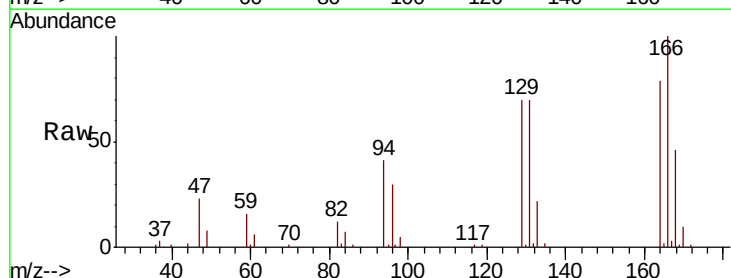
Instrument :
 MSVOA_V
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 BG3G2

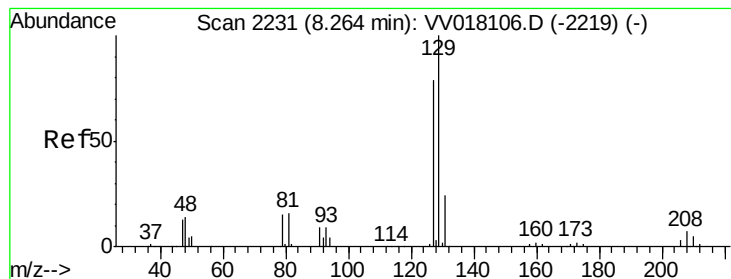
Tot Ion: 75 Resp: 2933
 Ion Ratio Lower Upper
 75 100
 77 52.9 22.3 41.5#



#46
 Tetrachloroethene
 Concen: 13.592 ug/L
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.01 min
 Lab File: VV018112.D
 Acq: 27 Aug 2020 13:08

Tgt Ion: 164 Resp: 21312
 Ion Ratio Lower Upper
 164 100
 129 88.3 64.8 120.3
 131 88.4 64.5 119.9
 166 126.4 88.9 165.1





#49

Dibromochloromethane

Concen: 9.730 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV018112.D

Acq: 27 Aug 2020 13:08

Instrument :

MSVOA_V

ClientSampled :

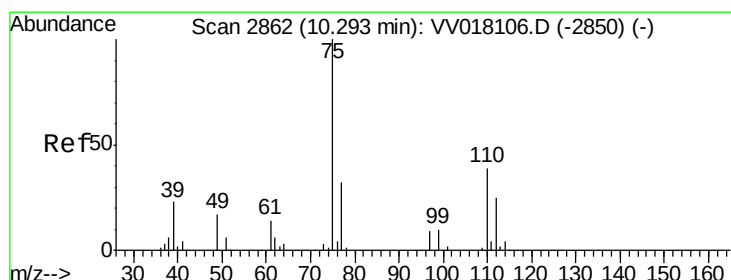
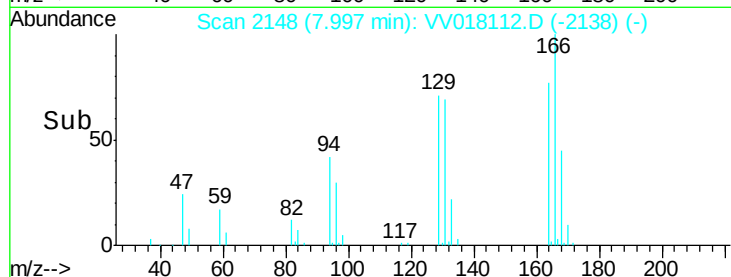
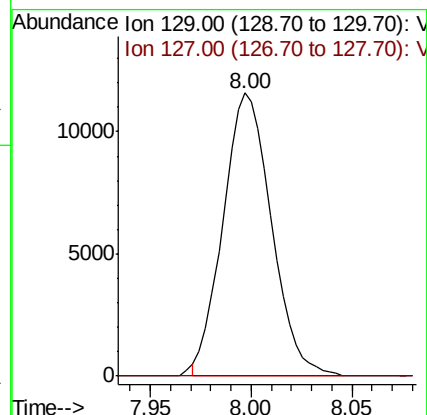
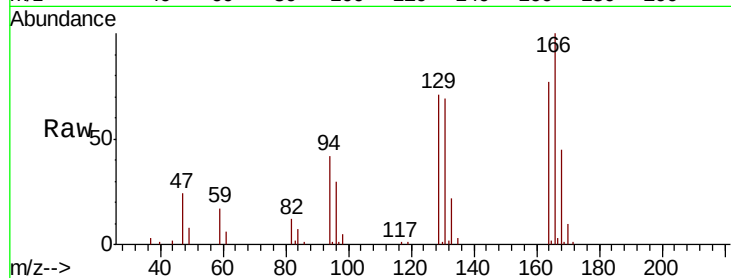
BG3G2

Tot Ion:129 Resp: 19401

Ion Ratio Lower Upper

129 100

127 0.0 54.9 101.9#



#59

1,2,3-Trichloropropane

Concen: 5.451 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018112.D

Acq: 27 Aug 2020 13:08

Tgt Ion: 75 Resp: 14851

Ion Ratio Lower Upper

75 100

77 35.8 25.7 38.5

