

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100820\
 Data File : VV018764.D
 Acq On : 08 Oct 2020 14:49
 Operator : SY/MD
 Sample : L4284-01
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3P3

Quant Time: Oct 09 07:18:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 09 07:09:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	326564	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	322761	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	151689	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	85184	44.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.96%
7) Chloroethane-d5	1.58	69	80554	50.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.74%
11) 1,1-Dichloroethene-d2	2.12	63	148845	38.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.28%
21) 2-Butanone-d5	3.90	46	147701	103.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.39%
24) Chloroform-d	4.38	84	198938	48.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.08%
26) 1,2-Dichloroethane-d4	5.06	65	144134	54.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.64%
32) Benzene-d6	5.07	84	402365	49.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.44%
36) 1,2-Dichloropropane-d6	6.09	67	121814	49.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.62%
41) Toluene-d8	7.34	98	320935	41.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.46%
43) trans-1,3-Dichloropropene-	7.64	79	56218	42.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.26%
47) 2-Hexanone-d5	8.11	63	65519	69.83	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	69.83%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	123380	37.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	75.34%
64) 1,2-Dichlorobenzene-d4	11.65	152	133638	45.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.62%

Target Compounds

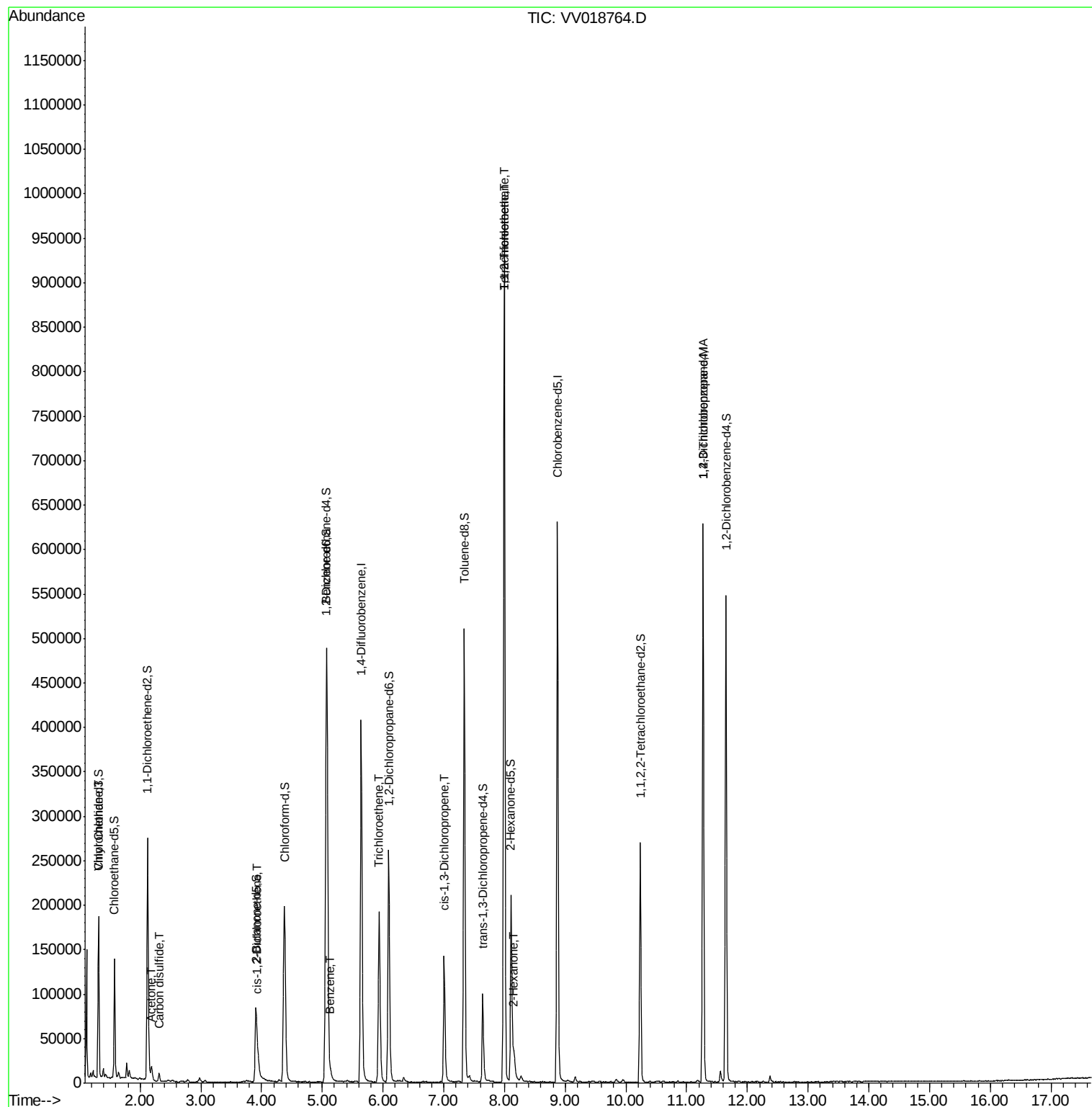
					Ovalue
3) Chloromethane	1.31	50	1572	0.662 ug/L	91
13) Acetone	2.19	43	17714	14.352 ug/L	96
14) Carbon disulfide	2.31	76	10456	1.583 ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	4021	1.622 ug/L	87
33) Benzene	5.13	78	8606	0.908 ug/L	100
34) Trichloroethene	5.94	95	58838	21.373 ug/L	93
39) cis-1,3-Dichloropropene	7.01	75	3721	0.975 ug/L #	75
45) 1,1,2-Trichloroethane	7.99	97	1928	0.801 ug/L #	1
46) Tetrachloroethene	8.00	164	213837	95.748 ug/L	97
48) 2-Hexanone	8.16	43	19774	8.073 ug/L #	75
59) 1,2,3-Trichloropropane	11.27	75	18378	6.211 ug/L #	84

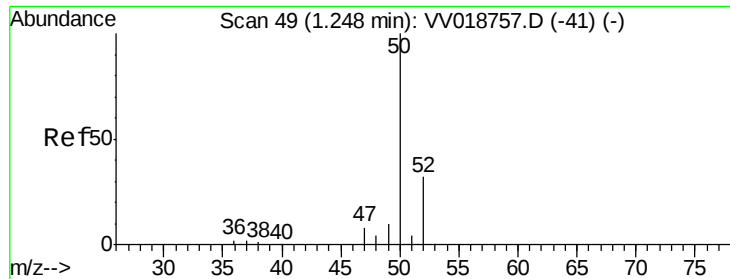
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Oct 09 07:09:39 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.662 ug/L

RT: 1.31 min Scan# 67

Delta R.T. 0.06 min

Lab File: VV018764.D

Acq: 08 Oct 2020 14:49

Instrument :

MSVOA_V

ClientSampleId :

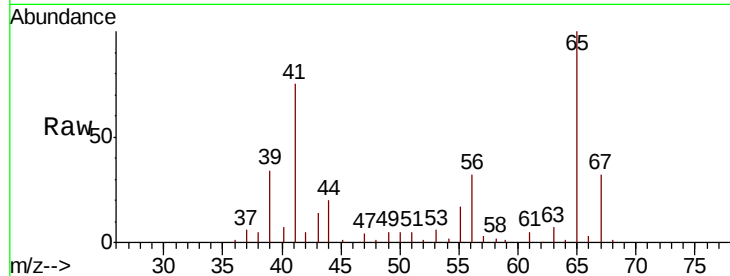
BG3P3

Tot Ion: 50 Resp: 1572

Ion Ratio Lower Upper

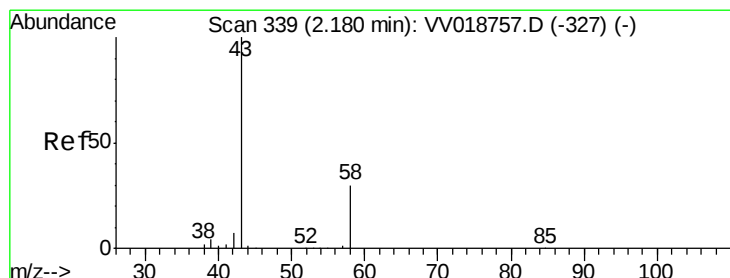
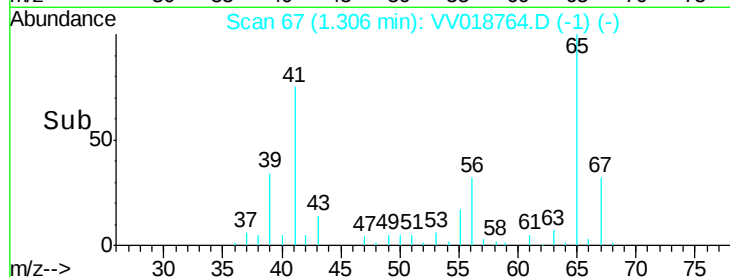
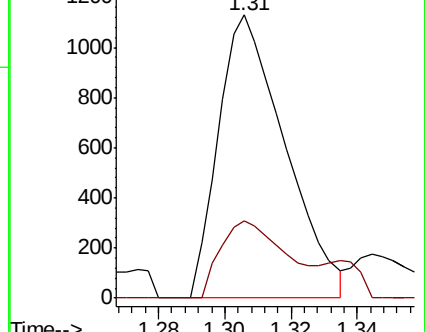
50 100

52 27.4 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV018764.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV018764.D (-1) (-)



#13

Acetone

Concen: 14.352 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.01 min

Lab File: VV018764.D

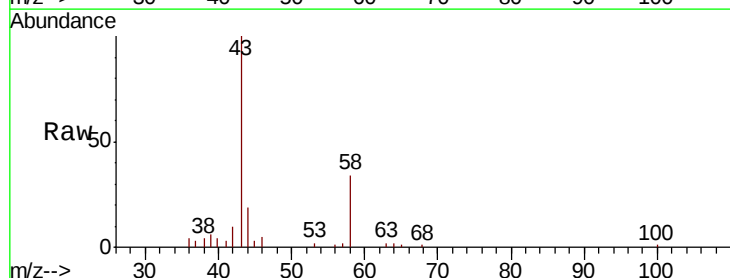
Acq: 08 Oct 2020 14:49

Tgt Ion: 43 Resp: 17714

Ion Ratio Lower Upper

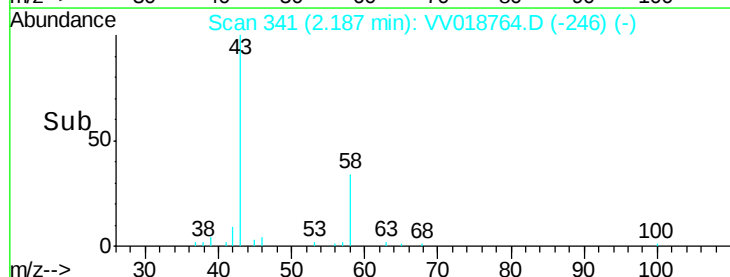
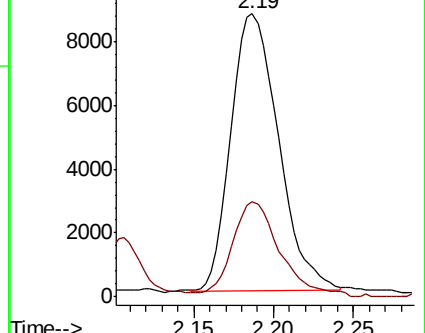
43 100

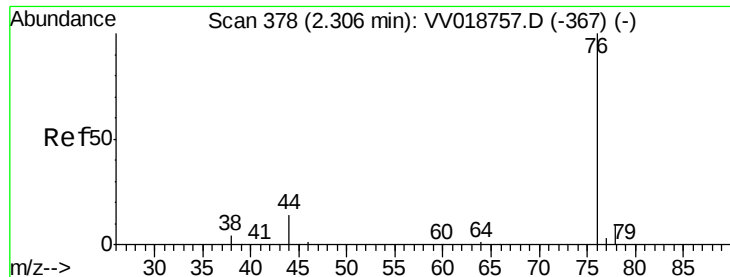
58 34.4 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VV018764.D (-246) (-)

Ion 58.00 (57.70 to 58.70): VV018764.D (-246) (-)





#14

Carbon disulfide

Concen: 1.583 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.01 min

Lab File: VV018764.D

Acq: 08 Oct 2020 14:49

Instrument :

MSVOA_V

ClientSampleId :

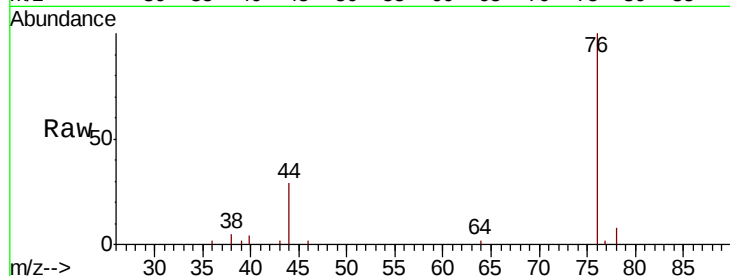
BG3P3

Tot Ion: 76 Resp: 10456

Ion Ratio Lower Upper

76 100

78 8.4 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV018757.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV018757.D (-367) (-)

2.31

8000

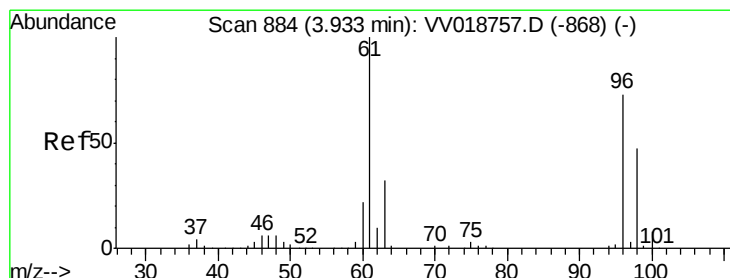
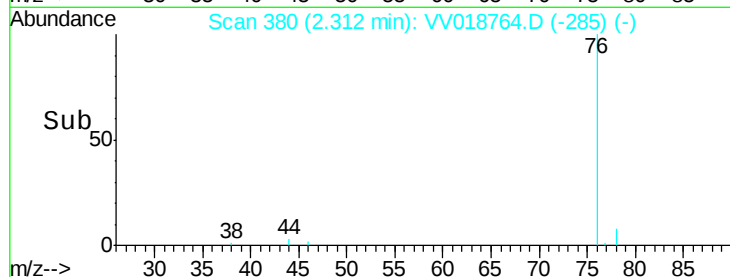
6000

4000

2000

0

Time--> 2.25 2.30 2.35



#20

cis-1,2-Dichloroethene

Concen: 1.622 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.01 min

Lab File: VV018764.D

Acq: 08 Oct 2020 14:49

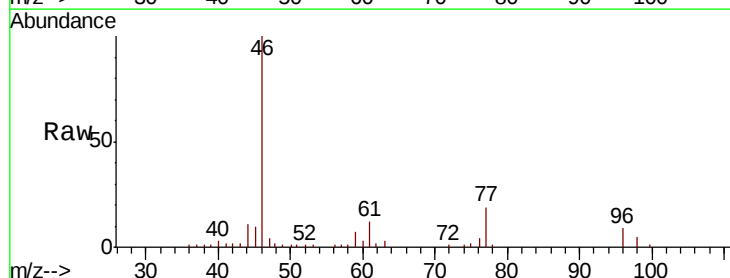
Tgt Ion: 96 Resp: 4021

Ion Ratio Lower Upper

96 100

61 139.1 86.8 161.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV018757.D (-868) (-)

Ion 61.00 (60.70 to 61.70): VV018757.D (-868) (-)

Ion 68.00 (67.70 to 68.70): VV018757.D (-868) (-)

3.94

3000

2500

2000

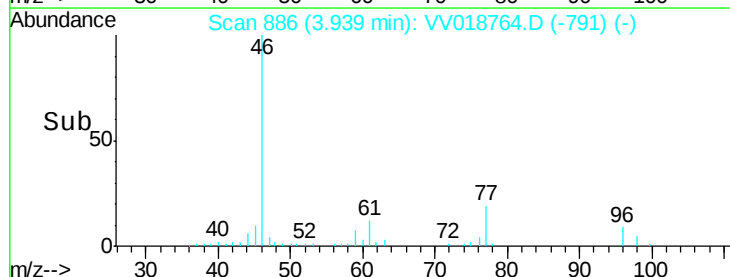
1500

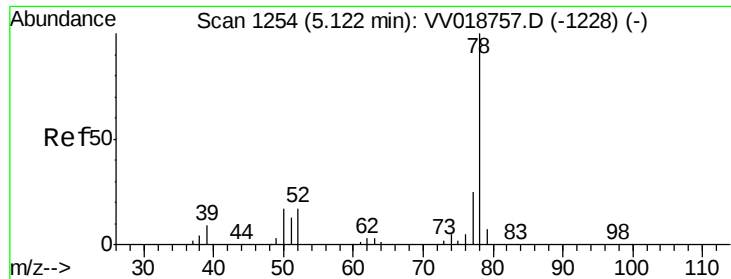
1000

500

0

Time--> 3.90 3.95 4.00





#33

Benzene

Concen: 0.908 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VV018764.D

Acq: 08 Oct 2020 14:49

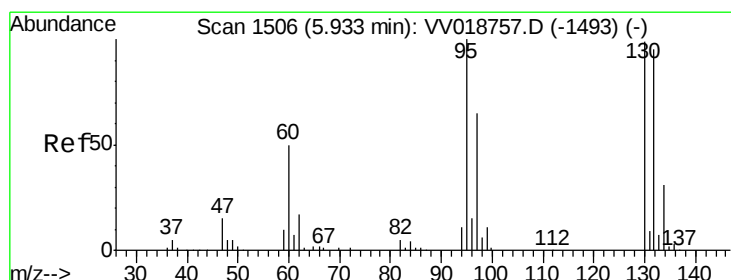
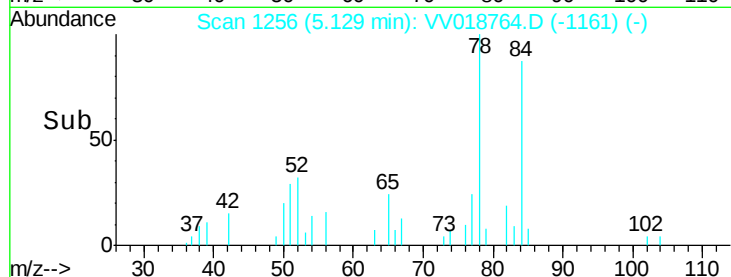
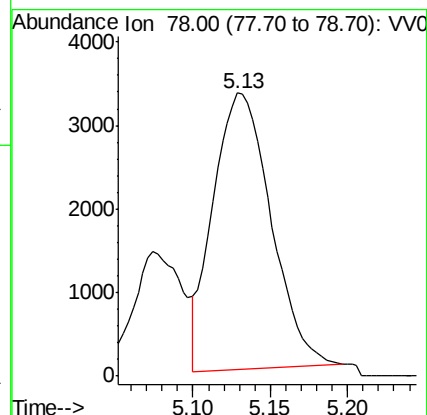
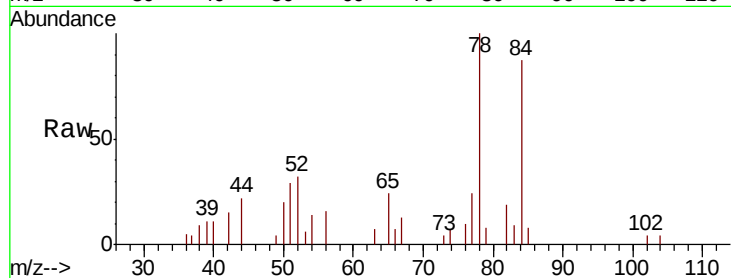
Instrument :

MSVOA_V

ClientSampled :

BG3P3

Tgt Ion: 78 Resp: 8606



#34

Trichloroethene

Concen: 21.373 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VV018764.D

Acq: 08 Oct 2020 14:49

Tgt Ion: 95 Resp: 58838

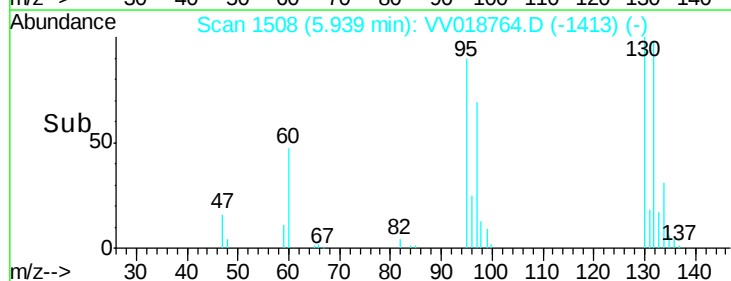
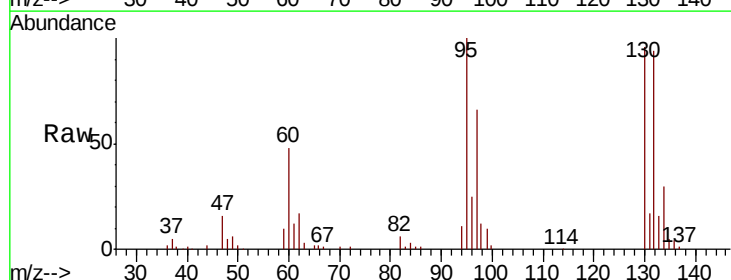
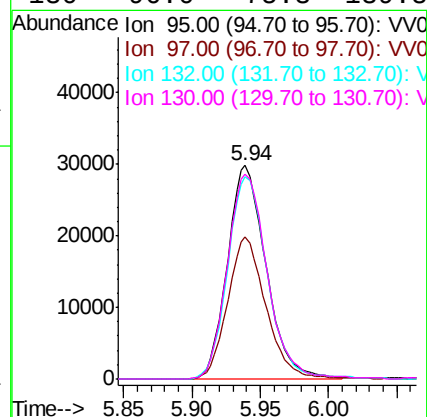
Ion Ratio Lower Upper

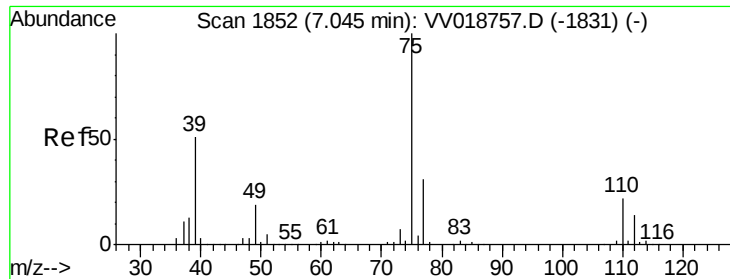
95 100

97 66.4 45.9 85.3

132 94.4 70.8 131.4

130 96.0 75.3 139.8





#39

cis-1,3-Dichloropropene

Concen: 0.975 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV018764.D

Acq: 08 Oct 2020 14:49

Instrument :

MSVOA_V

ClientSampleId :

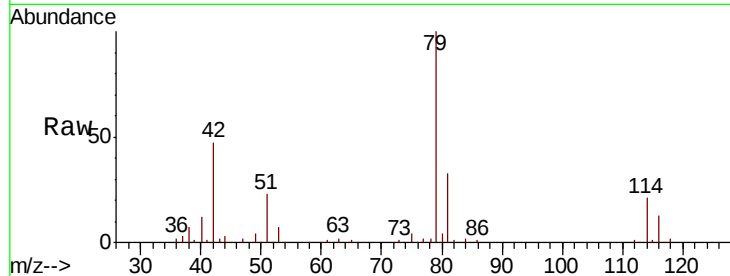
BG3P3

Tot Ion: 75 Resp: 3721

Ion Ratio Lower Upper

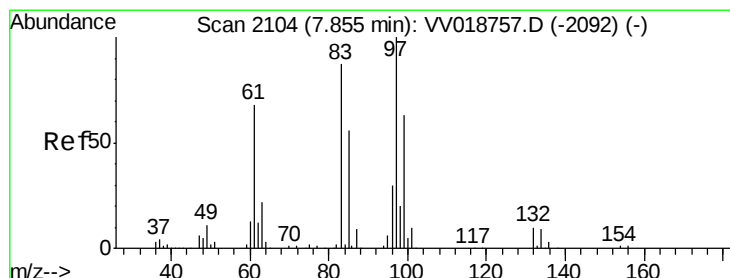
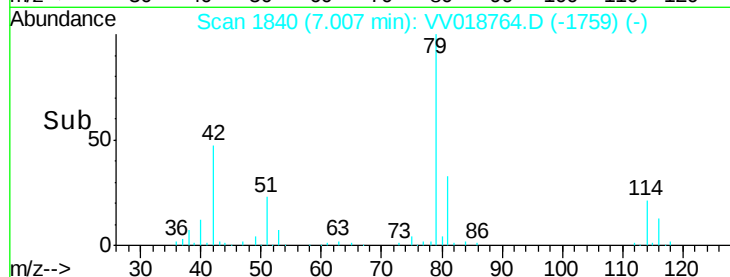
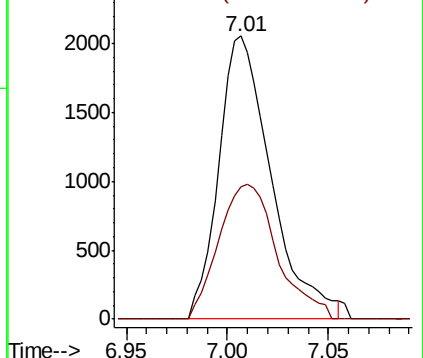
75 100

77 46.7 23.0 42.6#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#45

1,1,2-Trichloroethane

Concen: 0.801 ug/L

RT: 7.99 min Scan# 2146

Delta R.T. 0.14 min

Lab File: VV018764.D

Acq: 08 Oct 2020 14:49

Tgt Ion: 97 Resp: 1928

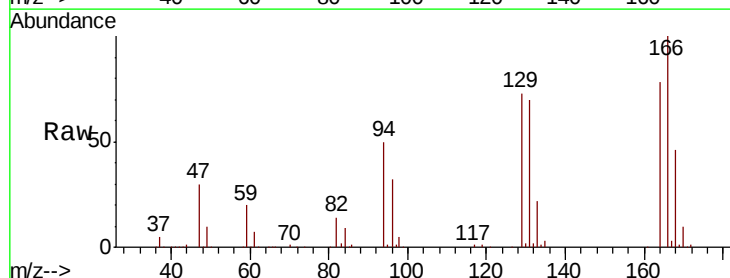
Ion Ratio Lower Upper

97 100

99 15.5 43.3 80.3#

83 259.6 60.5 112.5#

85 40.3 38.3 71.1

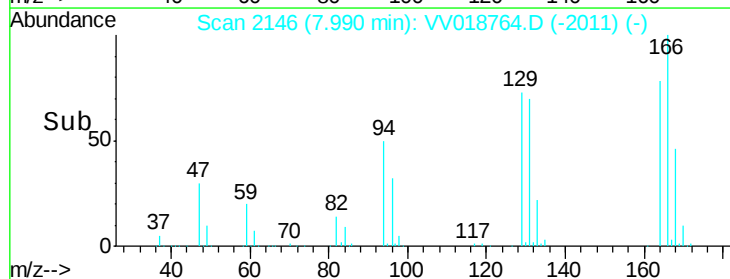
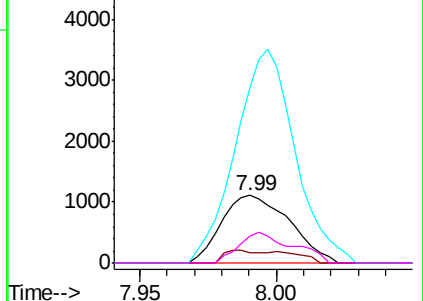


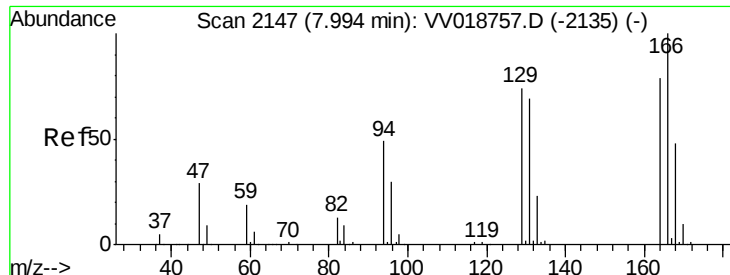
Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#46

Tetrachloroethene

Concen: 95.748 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV018764.D

Acq: 08 Oct 2020 14:49

Instrument :

MSVOA_V

ClientSampleId :

BG3P3

Tot Ion:164 Resp: 213837

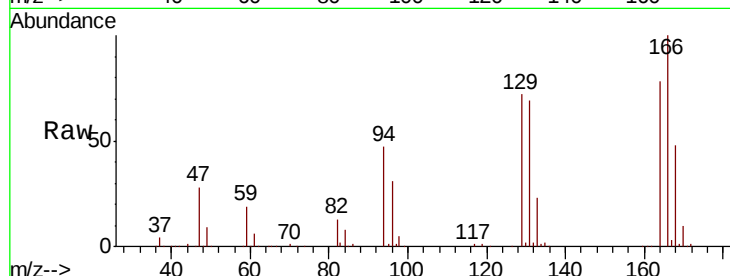
Ion Ratio Lower Upper

164 100

129 93.1 62.8 116.6

131 89.2 60.8 112.8

166 129.0 88.9 165.1

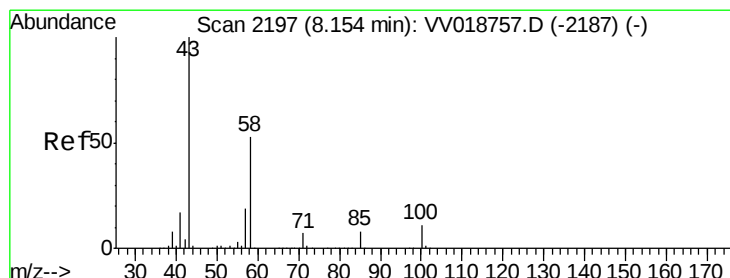
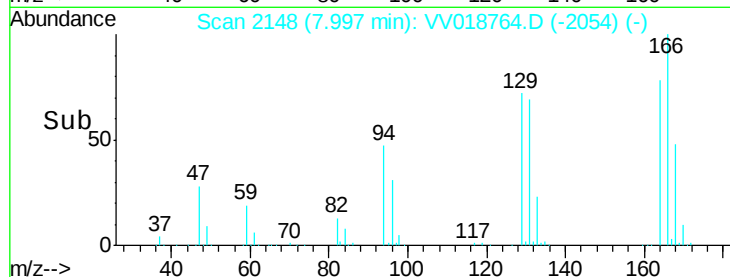
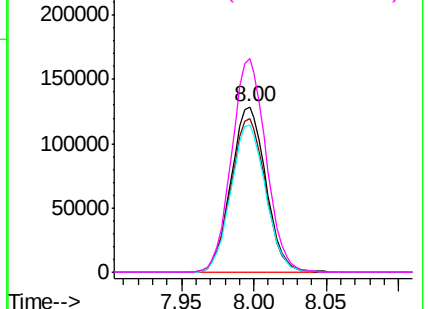


Abundance Ion 164.00 (163.70 to 164.70): V

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



#48

2-Hexanone

Concen: 8.073 ug/L

RT: 8.16 min Scan# 2199

Delta R.T. 0.01 min

Lab File: VV018764.D

Acq: 08 Oct 2020 14:49

Tgt Ion: 43 Resp: 19774

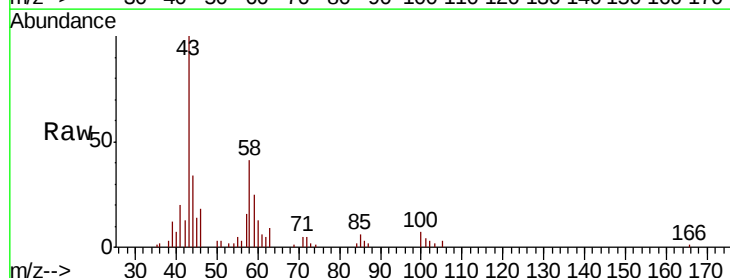
Ion Ratio Lower Upper

43 100

58 32.6 45.1 67.7#

57 15.2 15.7 23.5#

100 8.3 11.0 16.4#

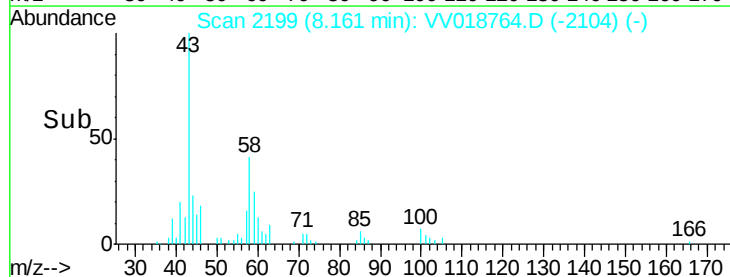
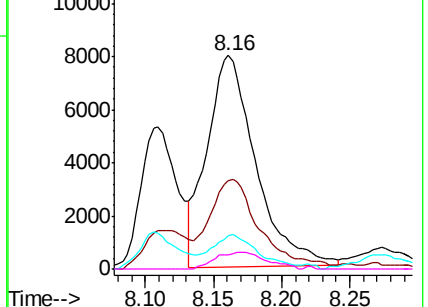


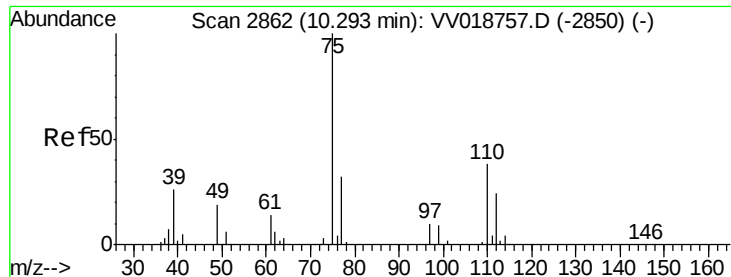
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#59

1,2,3-Trichloropropane

Concen: 6.211 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018764.D

Acq: 08 Oct 2020 14:49

Instrument :

MSVOA_V

ClientSampleId :

BG3P3

Tot Ion: 75 Resp: 18378

Ion Ratio Lower Upper

75 100

77 40.5 25.4 38.0#

