

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121220\
 Data File : VV019554.D
 Acq On : 12 Dec 2020 14:28
 Operator : SY/MD
 Sample : L4956-01 50X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG4M7

Quant Time: Dec 13 04:39:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sun Dec 13 04:37:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	648186	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	595555	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	277334	50.00	ug/L	0.00

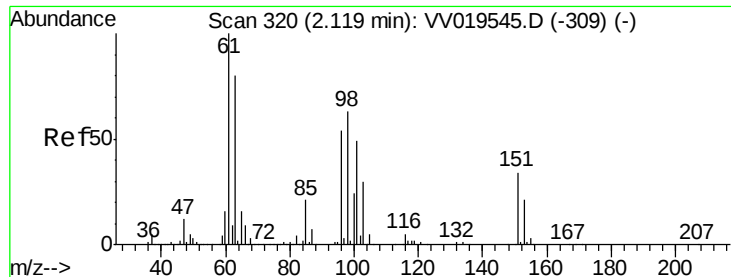
System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	168862	36.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.66%
7) Chloroethane-d5	1.57	69	151194	41.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.48%
11) 1,1-Dichloroethene-d2	2.11	63	268950	31.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.36%
21) 2-Butanone-d5	3.89	46	242538	96.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.00%
24) Chloroform-d	4.35	84	359542	42.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.84%
26) 1,2-Dichloroethane-d4	5.04	65	252956	46.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.42%
32) Benzene-d6	5.05	84	706184	44.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.92%
36) 1,2-Dichloropropane-d6	6.07	67	227622	45.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.50%
41) Toluene-d8	7.32	98	628737	43.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.92%
43) trans-1,3-Dichloropropene-	7.62	79	118254	41.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.56%
47) 2-Hexanone-d5	8.09	63	186727	95.62	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.62%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	304700	45.27	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.54%
64) 1,2-Dichlorobenzene-d4	11.63	152	231484	44.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.30%

Target Compounds

					Ovalue
12) 1,1-Dichloroethene	2.12	96	7186	1.861 ug/L #	1
33) Benzene	5.11	78	47394	2.723 ug/L	100
34) Trichloroethene	5.92	95	64170	13.956 ug/L	99
45) 1,1,2-Trichloroethane	7.98	97	3347	0.775 ug/L #	6
46) Tetrachloroethene	7.98	164	326526	102.632 ug/L	99
48) 2-Hexanone	8.09	43	21311	4.283 ug/L #	67
59) 1,2,3-Trichloropropane	11.25	75	36625	6.478 ug/L	88

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



#12

1,1-Dichloroethene

Concen: 1.861 ug/L

RT: 2.12 min Scan# 320

Delta R.T. 0.00 min

Lab File: VV019554.D

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Instrument :

MSVOA_V

ClientSampleId :

BG4M7

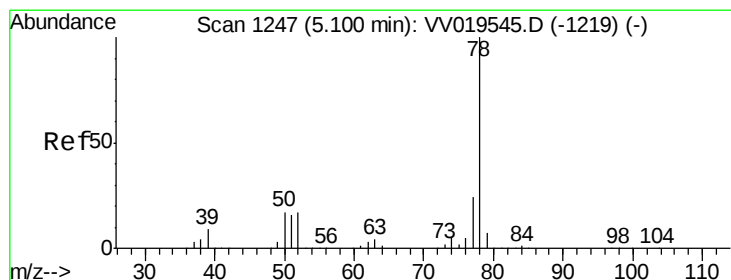
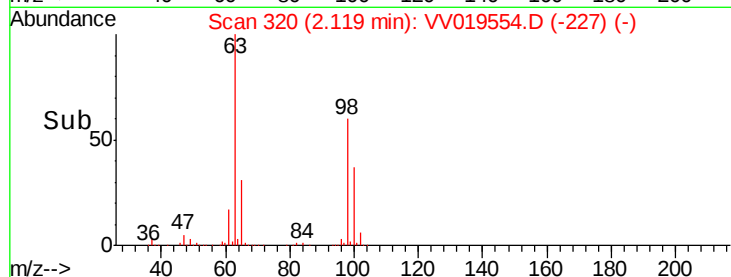
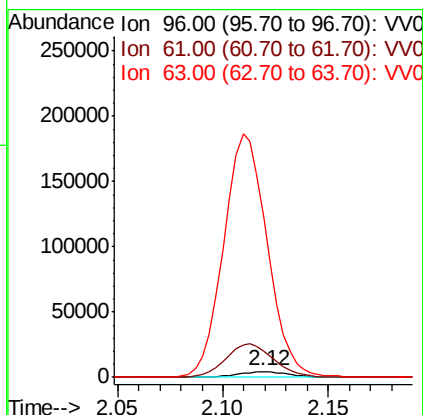
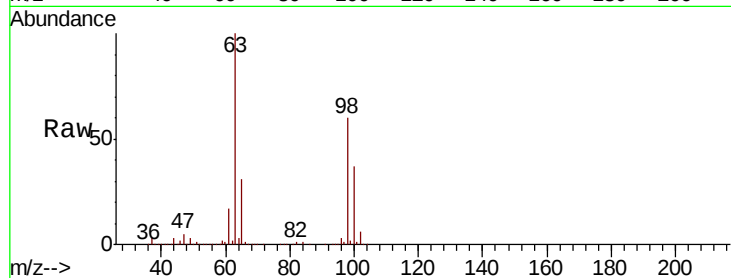
Tot Ion: 96 Resp: 7186

Ion Ratio Lower Upper

96 100

61 480.4 120.7 224.1#

63 2884.2 64.3 119.5#



#33

Benzene

Concen: 2.723 ug/L

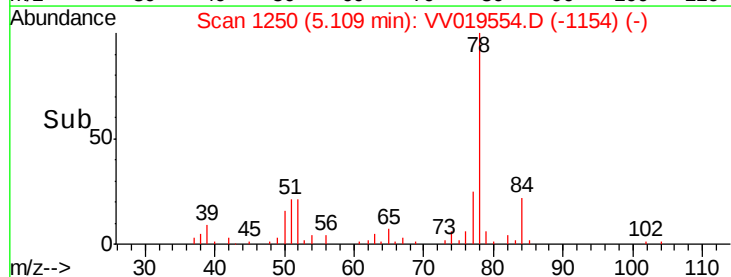
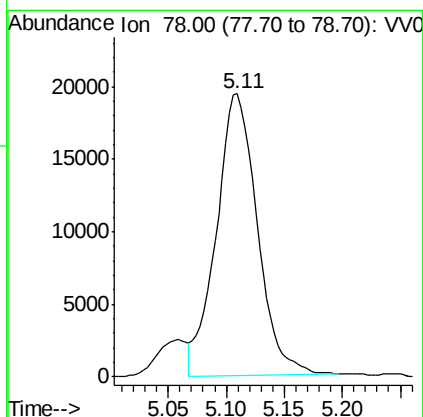
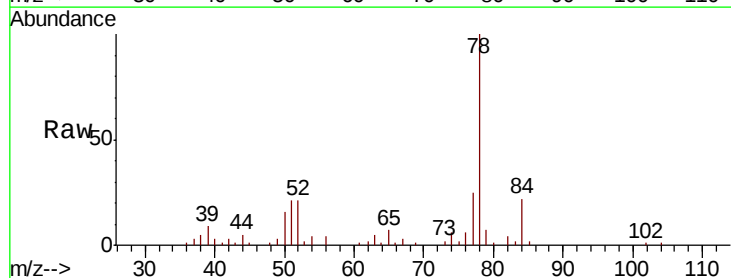
RT: 5.11 min Scan# 1250

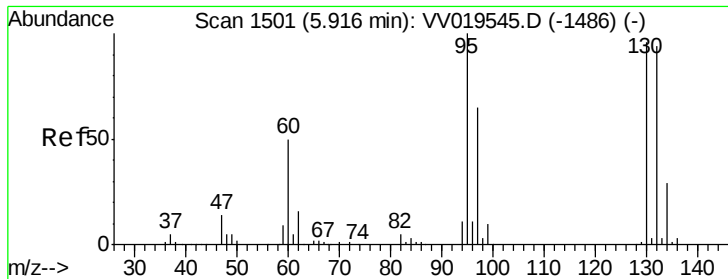
Delta R.T. 0.01 min

Lab File: VV019554.D

Acq: 12 Dec 2020 14:28

Tgt Ion: 78 Resp: 47394





#34

Trichloroethene

Concen: 13.956 ug/L

RT: 5.92 min Scan# 1502

Delta R.T. 0.00 min

Lab File: VV019554.D

Acq: 12 Dec 2020 14:28

Instrument :

MSVOA_V

ClientSampled :

BG4M7

Tot Ion: 95 Resp: 64170

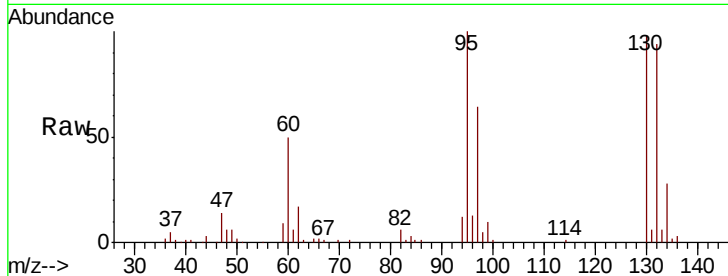
Ion Ratio Lower Upper

95 100

97 63.7 44.4 82.4

132 94.1 64.3 119.3

130 97.5 67.8 125.8

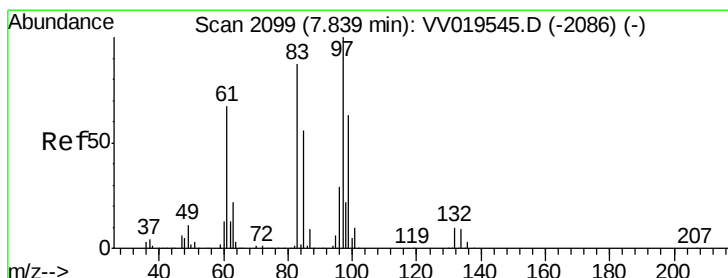
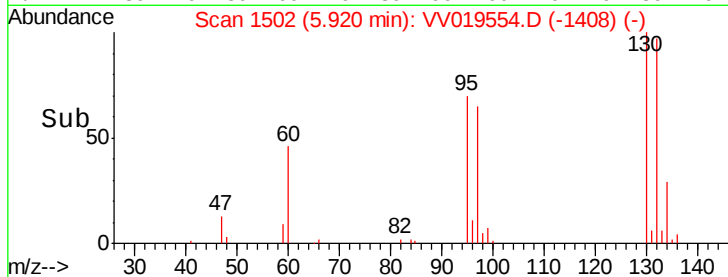
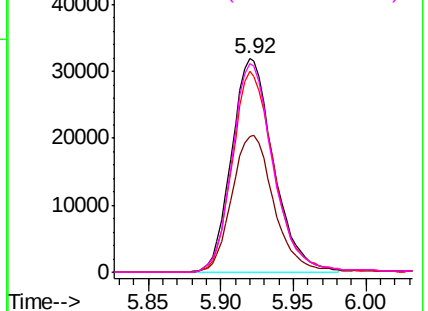


Abundance Ion 95.00 (94.70 to 95.70): VV019554.D (-1486) (-)

Ion 97.00 (96.70 to 97.70): VV019554.D (-1486) (-)

Ion 132.00 (131.70 to 132.70): VV019554.D (-1486) (-)

Ion 130.00 (129.70 to 130.70): VV019554.D (-1486) (-)



#45

1,1,2-Trichloroethane

Concen: 0.775 ug/L

RT: 7.98 min Scan# 2142

Delta R.T. 0.14 min

Lab File: VV019554.D

Acq: 12 Dec 2020 14:28

Tgt Ion: 97 Resp: 3347

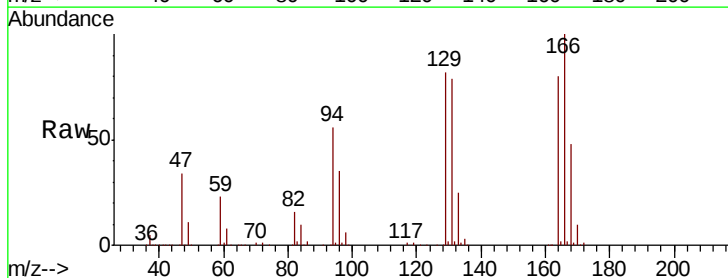
Ion Ratio Lower Upper

97 100

99 17.9 44.1 81.9#

83 245.9 60.0 111.4#

85 47.3 38.6 71.8

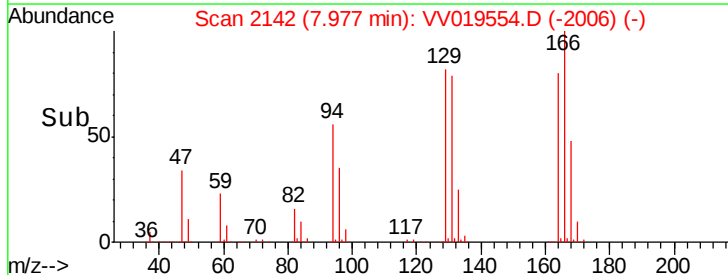
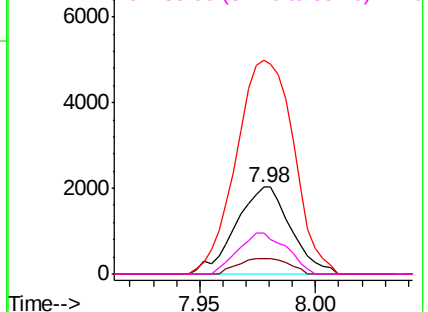


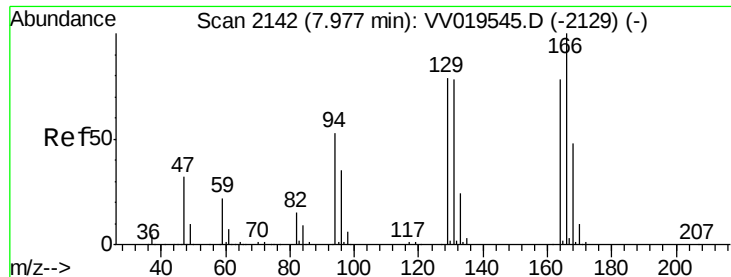
Abundance Ion 97.00 (96.70 to 97.70): VV019554.D (-2086) (-)

Ion 99.00 (98.70 to 99.70): VV019554.D (-2086) (-)

Ion 83.00 (82.70 to 83.70): VV019554.D (-2086) (-)

Ion 85.00 (84.70 to 85.70): VV019554.D (-2086) (-)





#46

Tetrachloroethene

Concen: 102.632 ug/L

RT: 7.98 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VV019554.D

Acq: 12 Dec 2020 14:28

Instrument :

MSVOA_V

ClientSampleId :

BG4M7

Tot Ion:164 Resp: 326526

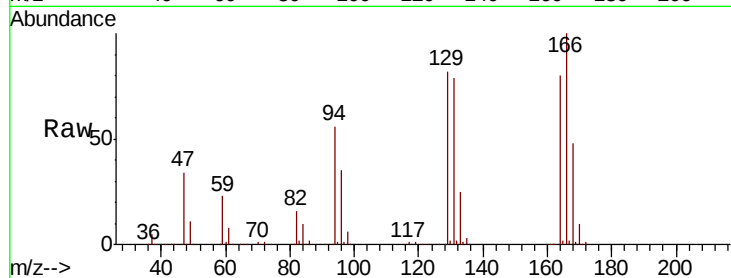
Ion Ratio Lower Upper

164 100

129 102.4 70.6 131.0

131 98.6 68.0 126.4

166 125.0 86.9 161.5

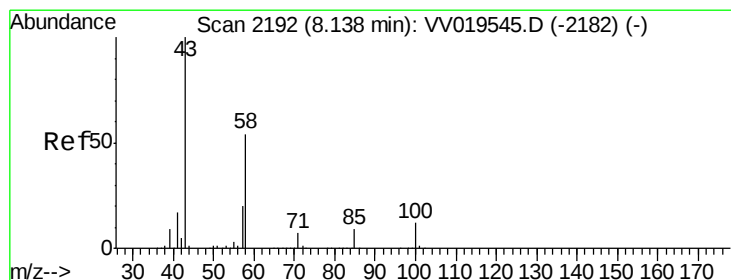
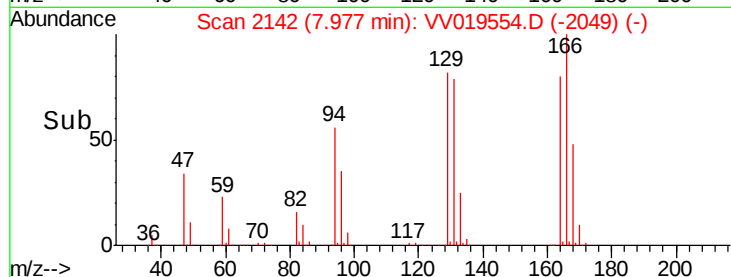
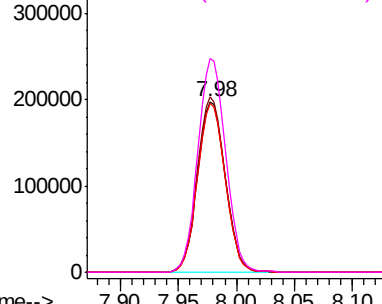


Abundance Ion 164.00 (163.70 to 164.70): V

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: 4.283 ug/L

RT: 8.09 min Scan# 2177

Delta R.T. -0.05 min

Lab File: VV019554.D

Acq: 12 Dec 2020 14:28

Tgt Ion: 43 Resp: 21311

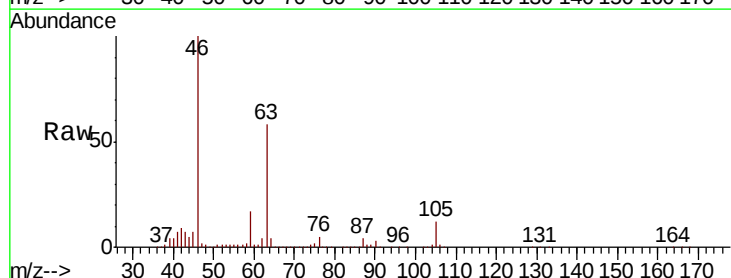
Ion Ratio Lower Upper

43 100

58 24.5 44.4 66.6#

57 23.5 15.7 23.5

100 0.0 9.9 14.9#

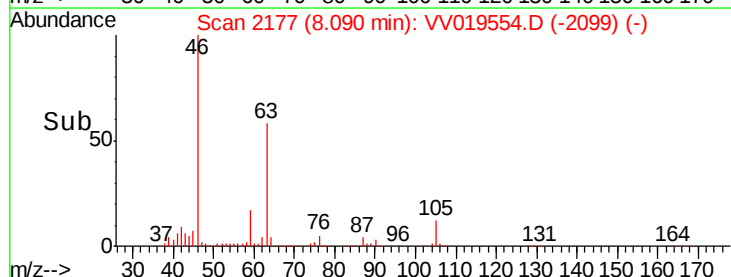
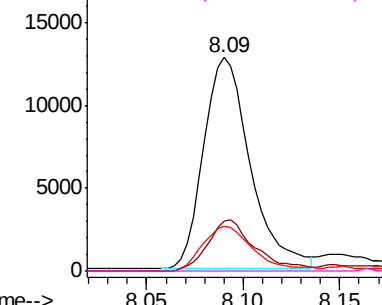


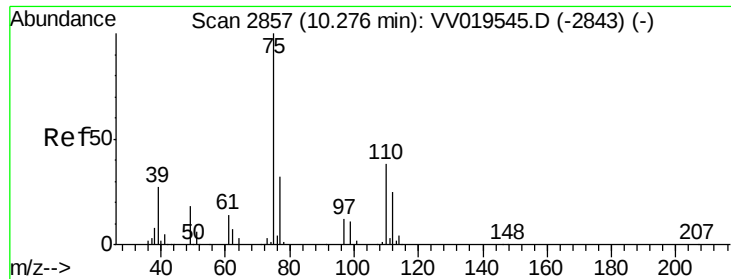
Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 6.478 ug/L

RT: 11.25 min Scan# 3160

Delta R.T. 0.97 min

Lab File: VV019554.D

Acq: 12 Dec 2020 14:28

Instrument :

MSVOA_V

ClientSampleId :

BG4M7

Tot Ion: 75 Resp: 36625

Ion Ratio Lower Upper

75 100

77 38.7 25.8 38.8

