

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010521\
 Data File : VV019889.D
 Acq On : 05 Jan 2021 12:09
 Operator : SY/MD
 Sample : M1017-01 100X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG4W2

Quant Time: Jan 06 07:11:07 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM122820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 06 07:08:24 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	563861	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	541486	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.26	152	247451	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	193945	44.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.90%
7) Chloroethane-d5	1.57	69	173433	50.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.02%
11) 1,1-Dichloroethene-d2	2.11	63	305647	37.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.12%
21) 2-Butanone-d5	3.89	46	321212	99.32	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.32%
24) Chloroform-d	4.35	84	394649	47.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.74%
26) 1,2-Dichloroethane-d4	5.04	65	276965	51.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.80%
32) Benzene-d6	5.05	84	770620	49.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.84%
36) 1,2-Dichloropropane-d6	6.07	67	254246	49.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.18%
41) Toluene-d8	7.32	98	671857	48.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.82%
43) trans-1,3-Dichloropropene-	7.63	79	116469	45.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.40%
47) 2-Hexanone-d5	8.09	63	190300	89.81	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.81%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	307422	46.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.20%
64) 1,2-Dichlorobenzene-d4	11.63	152	248771	52.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.12%

Target Compounds

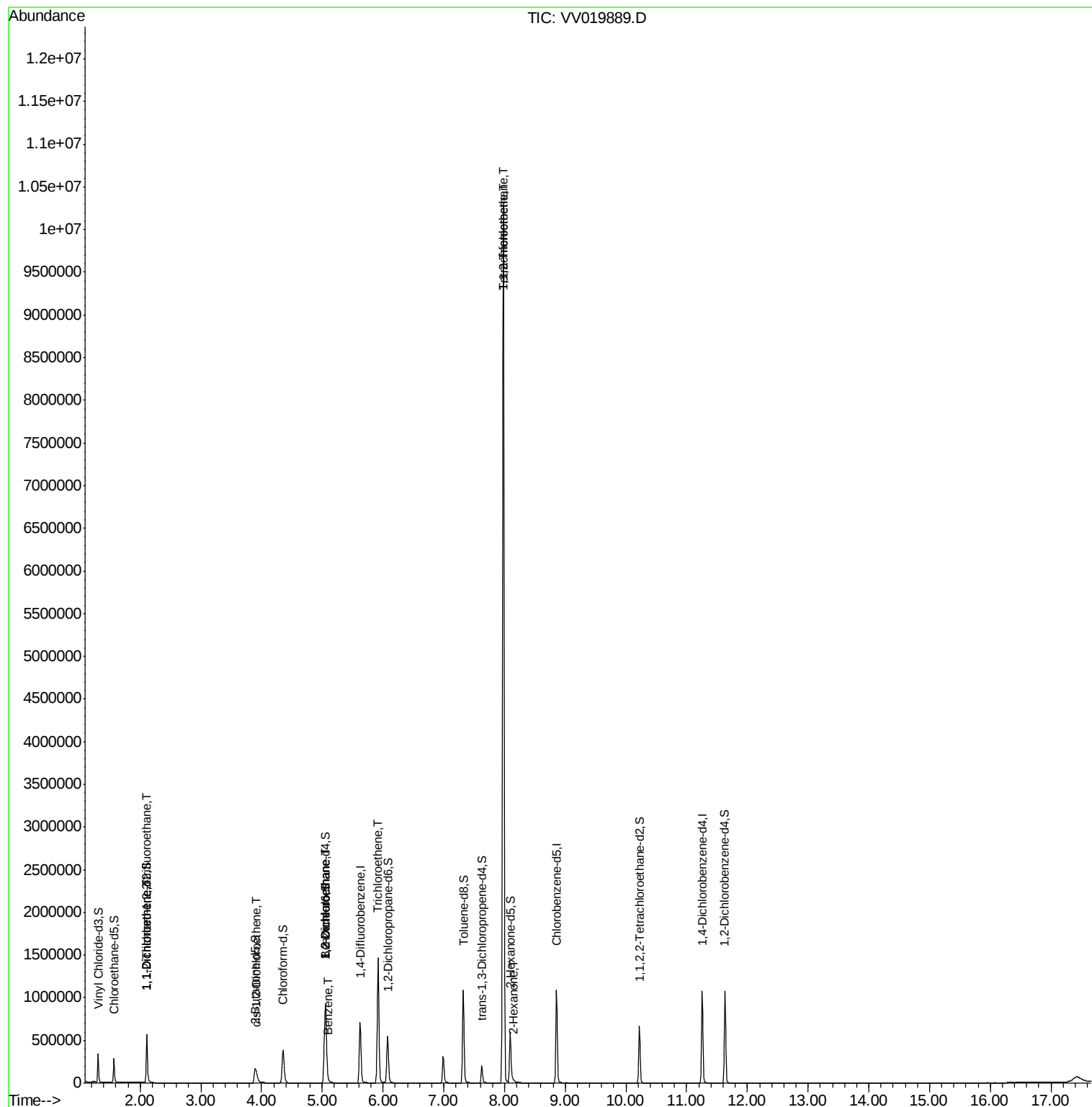
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	2794	0.782 ug/L #	24
12) 1,1-Dichloroethene	2.12	96	4136	1.153 ug/L #	1
20) cis-1,2-Dichloroethene	3.92	96	8714	1.985 ug/L	96
27) 1,2-Dichloroethane	5.05	62	4809	0.730 ug/L	95
33) Benzene	5.11	78	17143	1.007 ug/L	100
34) Trichloroethene	5.92	95	509137	112.684 ug/L	99
45) 1,1,2-Trichloroethane	7.98	97	20729	4.941 ug/L #	1
46) Tetrachloroethene	7.98	164	2022965	670.439 ug/L	98
48) 2-Hexanone	8.15	43	14434	2.726 ug/L #	63

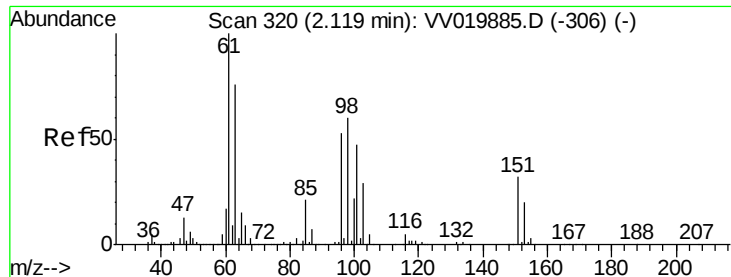
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 06 07:11:07 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM122820WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jan 06 07:08:24 2021
Response via : Initial Calibration





#10

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

Concen: 0.782 ug/L

RT: 2.11 min Scan# 317

Delta R.T. -0.01 min

Lab File: VV019889.D

Acq: 05 Jan 2021 12:09

Instrument :

MSVOA_V

ClientSampleId :

BG4W2

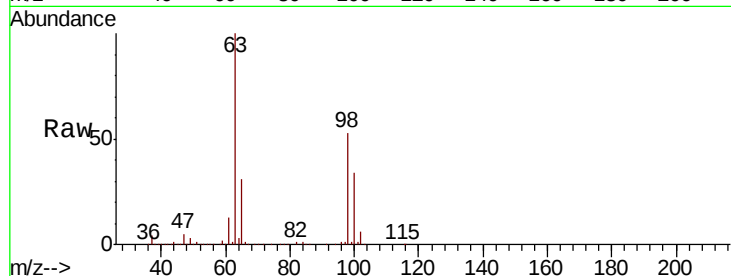
Tot Ion:101 Resp: 2794

Ion Ratio Lower Upper

101 100

85 2.5 35.3 52.9#

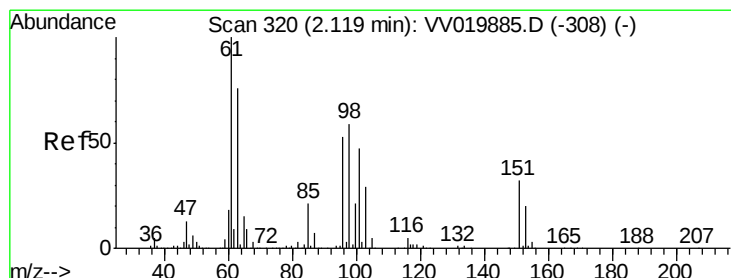
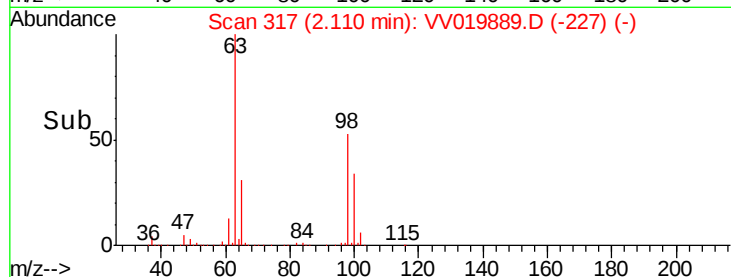
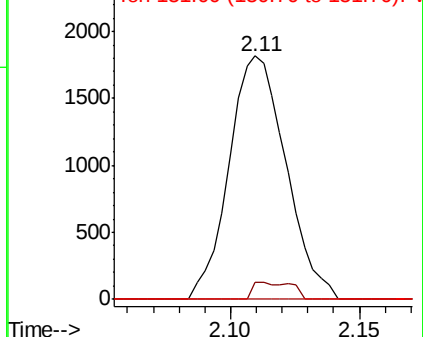
151 0.0 53.6 80.4#



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



#12

1,1-Dichloroethene

Concen: 1.153 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.00 min

Lab File: VV019889.D

Acq: 05 Jan 2021 12:09

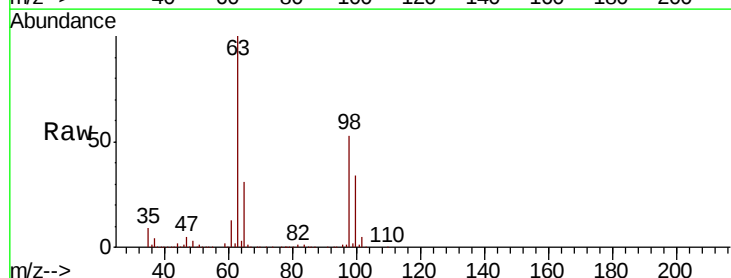
Tgt Ion: 96 Resp: 4136

Ion Ratio Lower Upper

96 100

61 953.4 134.9 250.5#

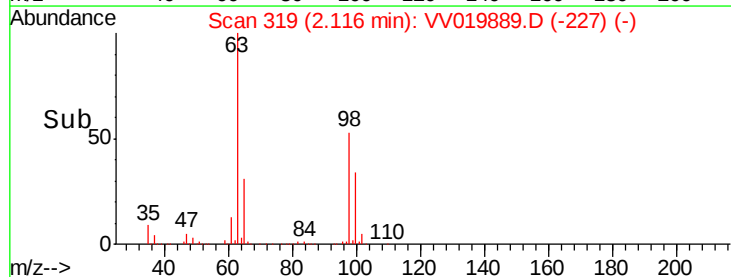
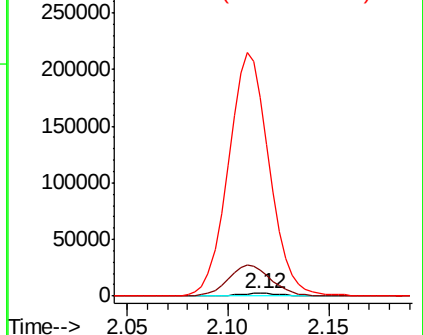
63 7364.4 117.6 218.4#

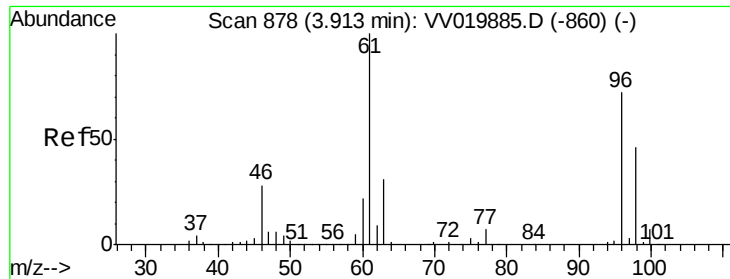


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

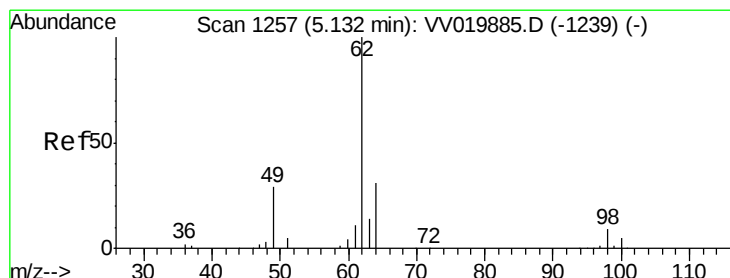
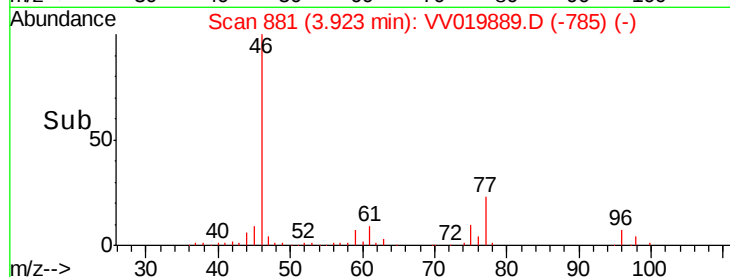
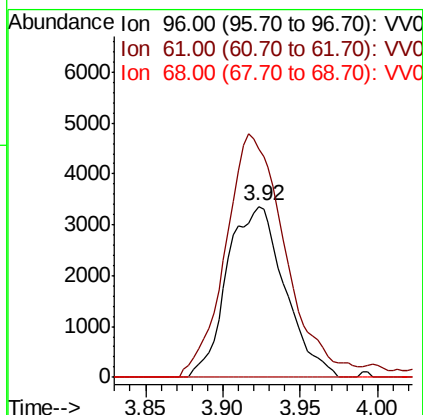
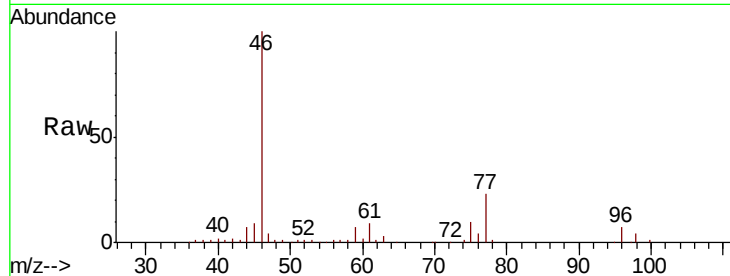




#20
 cis-1,2-Dichloroethene
 Concen: 1.985 ug/L
 RT: 3.92 min Scan# 881
 Delta R.T. 0.01 min
 Lab File: VV019889.D
 Acq: 05 Jan 2021 12:09

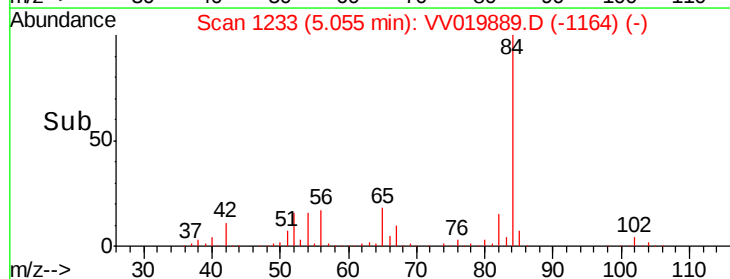
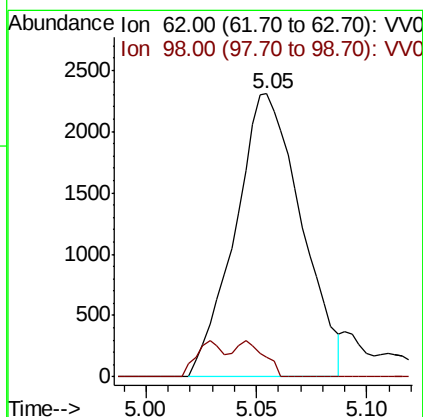
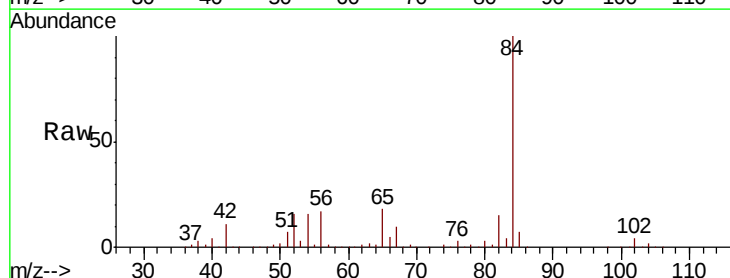
Instrument :
 MSVOA_V
 ClientSampled :
 BG4W2

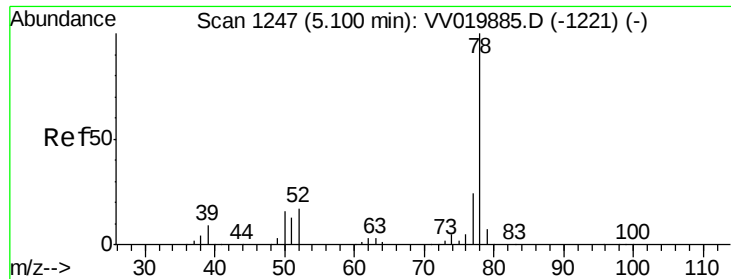
Tot Ion: 96 Resp: 8714
 Ion Ratio Lower Upper
 96 100
 61 133.6 96.9 179.9
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 0.730 ug/L
 RT: 5.05 min Scan# 1233
 Delta R.T. -0.08 min
 Lab File: VV019889.D
 Acq: 05 Jan 2021 12:09

Tgt Ion: 62 Resp: 4809
 Ion Ratio Lower Upper
 62 100
 98 6.9 6.9 10.3





#33

Benzene

Concen: 1.007 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VV019889.D

Acq: 05 Jan 2021 12:09

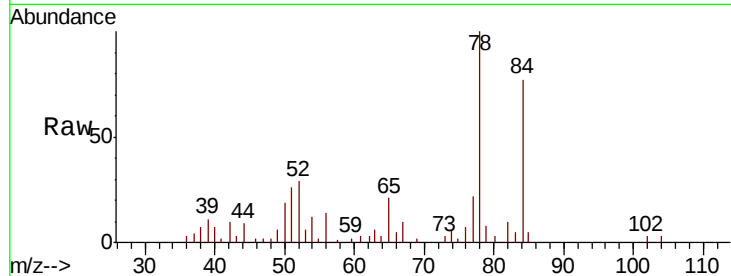
Instrument :

MSVOA_V

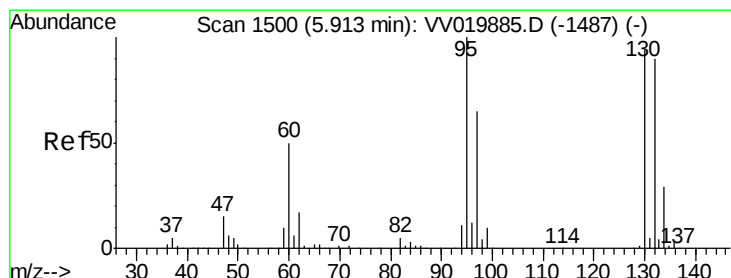
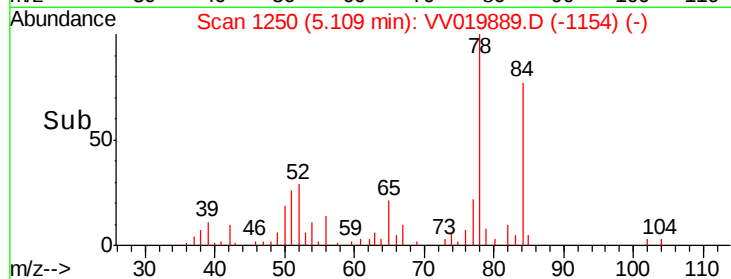
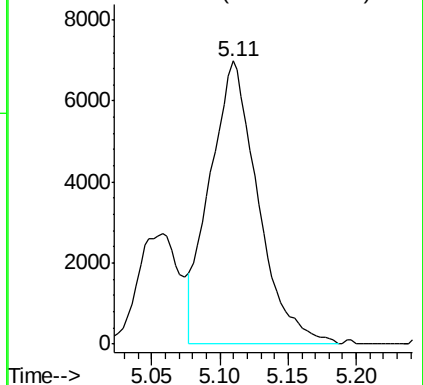
ClientSampleId :

BG4W2

Tgt Ion: 78 Resp: 17143



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 112.684 ug/L

RT: 5.92 min Scan# 1502

Delta R.T. 0.01 min

Lab File: VV019889.D

Acq: 05 Jan 2021 12:09

Tgt Ion: 95 Resp: 509137

Ion	Ratio	Lower	Upper
95	100		
97	63.6	44.5	82.7
132	91.4	63.4	117.8
130	93.9	67.1	124.5

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): VV0

Ion 130.00 (129.70 to 130.70): VV0

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): VV0

Ion 130.00 (129.70 to 130.70): VV0

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): VV0

Ion 130.00 (129.70 to 130.70): VV0

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): VV0

Ion 130.00 (129.70 to 130.70): VV0

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): VV0

Ion 130.00 (129.70 to 130.70): VV0

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): VV0

Ion 130.00 (129.70 to 130.70): VV0

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): VV0

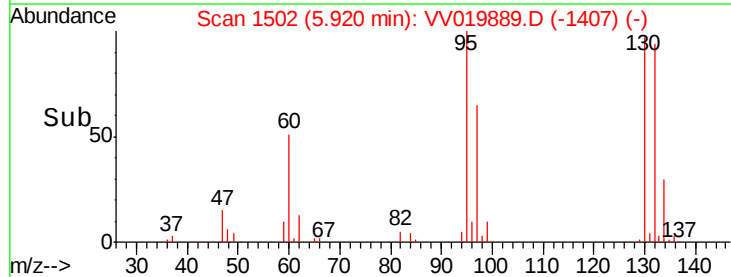
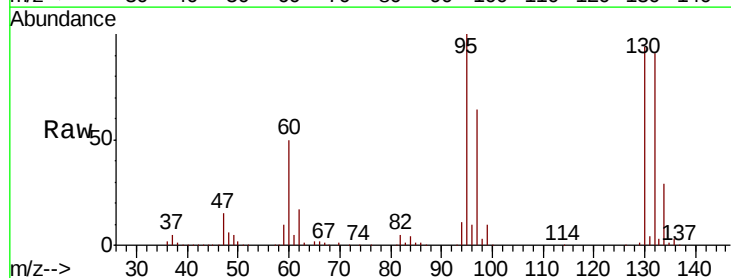
Ion 130.00 (129.70 to 130.70): VV0

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): VV0

Ion 130.00 (129.70 to 130.70): VV0



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): VV0

Ion 130.00 (129.70 to 130.70): VV0

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): VV0

Ion 130.00 (129.70 to 130.70): VV0

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): VV0

Ion 130.00 (129.70 to 130.70): VV0

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): VV0

Ion 130.00 (129.70 to 130.70): VV0

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): VV0

Ion 130.00 (129.70 to 130.70): VV0

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): VV0

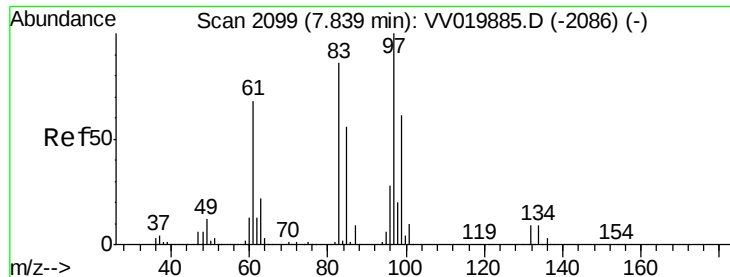
Ion 130.00 (129.70 to 130.70): VV0

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): VV0

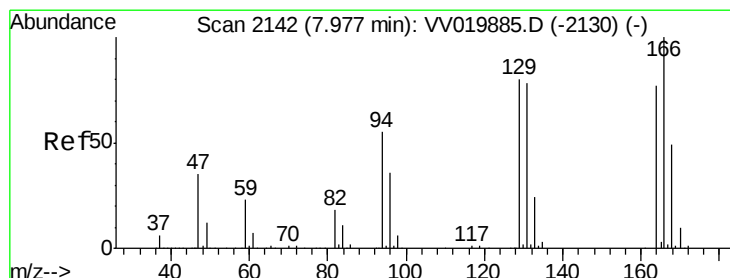
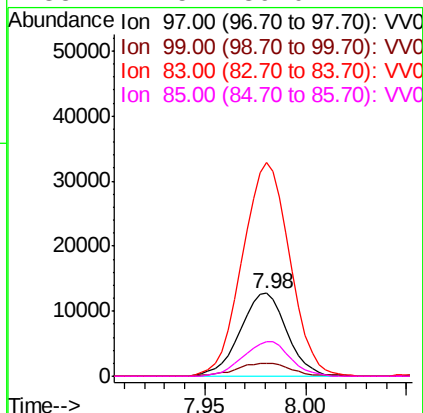
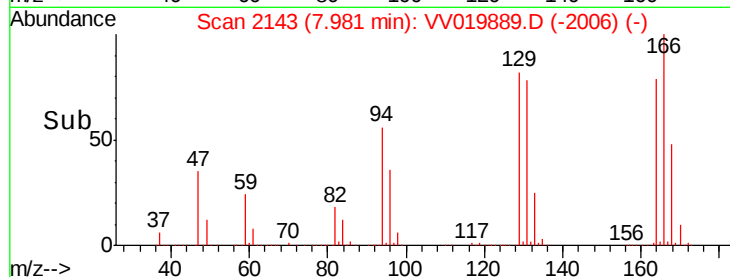
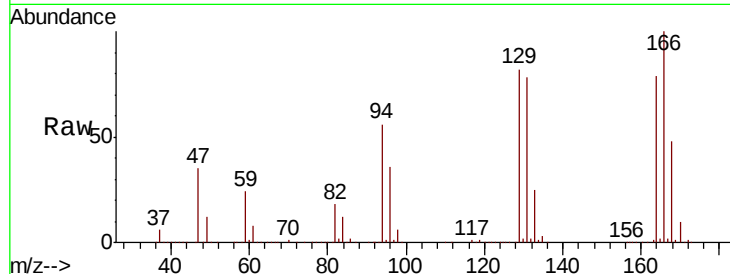
Ion 130.00 (129.70 to 130.70): VV0



#45
1,1,2-Trichloroethane
Concen: 4.941 ug/L
RT: 7.98 min Scan# 2143
Delta R.T. 0.14 min
Lab File: VV019889.D
Acq: 05 Jan 2021 12:09

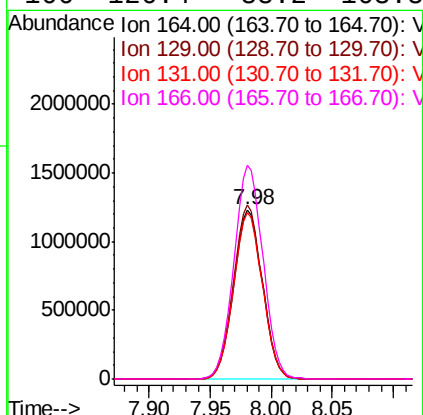
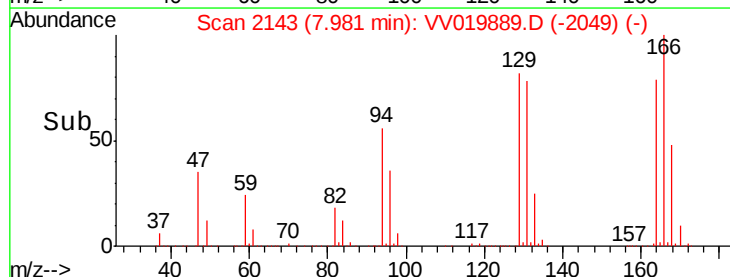
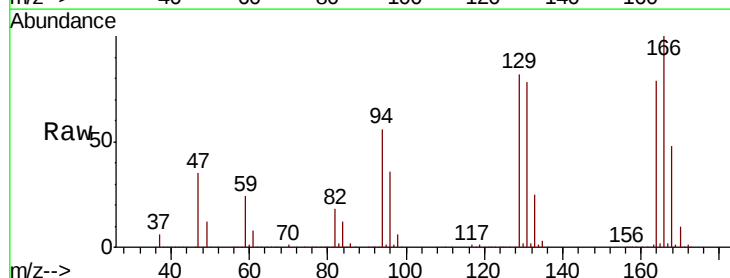
Instrument :
MSVOA_V
ClientSampleId :
BG4W2

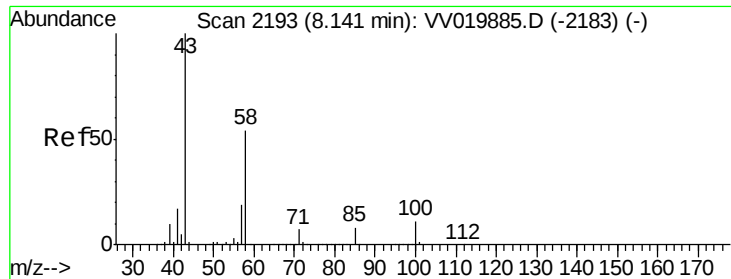
Tot Ion: 97 Resp: 20729
Ion Ratio Lower Upper
97 100
99 15.6 43.8 81.3#
83 257.5 62.2 115.4#
85 41.5 39.0 72.4



#46
Tetrachloroethene
Concen: 670.439 ug/L
RT: 7.98 min Scan# 2143
Delta R.T. 0.00 min
Lab File: VV019889.D
Acq: 05 Jan 2021 12:09

Tgt Ion: 164 Resp: 2022965
Ion Ratio Lower Upper
164 100
129 103.0 70.6 131.0
131 98.8 66.8 124.0
166 126.4 88.2 163.8





#48

2-Hexanone

Concen: 2.726 ug/L

RT: 8.15 min Scan# 2196

Delta R.T. 0.01 min

Lab File: VV019889.D

Acq: 05 Jan 2021 12:09

Instrument :

MSVOA_V

ClientSampleId :

BG4W2

Tot Ion: 43 Resp: 14434

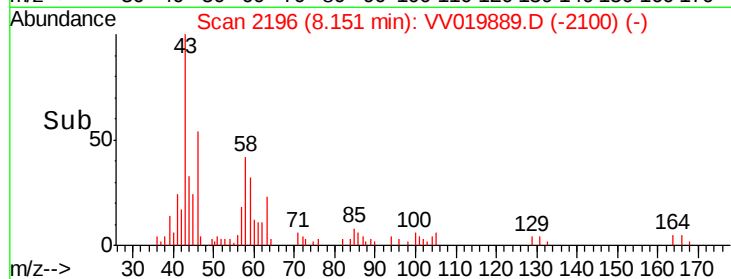
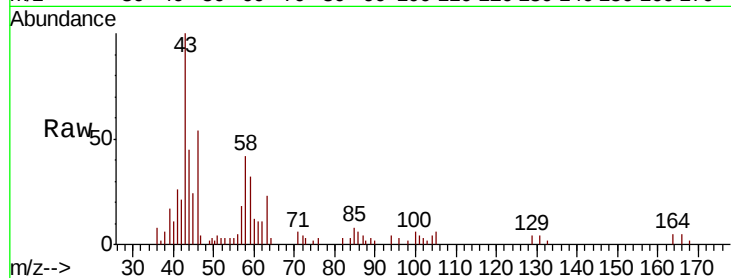
Ion Ratio Lower Upper

43 100

58 23.6 41.8 62.6#

57 3.2 15.0 22.4#

100 1.3 8.9 13.3#



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

