

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\
 Data File : VV018806.D
 Acq On : 09 Oct 2020 10:07
 Operator : SY/MD
 Sample : L4239-17
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3S1

Quant Time: Oct 10 00:22:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 09 23:43:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	282859	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	279403	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	148408	50.00	ug/L	0.00

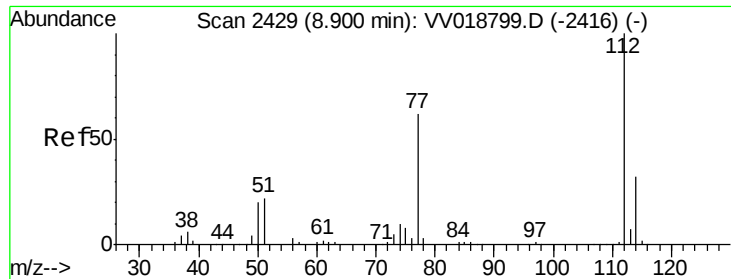
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	134001	52.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.28%
7) Chloroethane-d5	1.58	69	116230	56.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	112.36%
11) 1,1-Dichloroethene-d2	2.12	63	207576	41.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.78%
21) 2-Butanone-d5	3.90	46	207471	131.47	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	131.47%#
24) Chloroform-d	4.37	84	266729	58.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	117.64%
26) 1,2-Dichloroethane-d4	5.05	65	188460	61.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	122.62%
32) Benzene-d6	5.07	84	534016	59.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	118.78%
36) 1,2-Dichloropropane-d6	6.09	67	173240	59.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	118.18%
41) Toluene-d8	7.34	98	472441	59.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	118.38%
43) trans-1,3-Dichloropropene-	7.64	79	78741	54.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.88%
47) 2-Hexanone-d5	8.11	63	117729	114.57	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.57%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	202871	60.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	120.30%#
64) 1,2-Dichlorobenzene-d4	11.65	152	202485	61.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	123.30%#

Target Compounds

					Ovalue
51) Chlorobenzene	8.90	112	590343	97.691 ug/L	99
52) Ethylbenzene	9.04	91	32511	3.144 ug/L	98
56) Isopropylbenzene	9.95	105	6448	0.646 ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	451191	93.252 ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	322861	64.148 ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	37702	7.762 ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	412969	140.135 ug/L	99

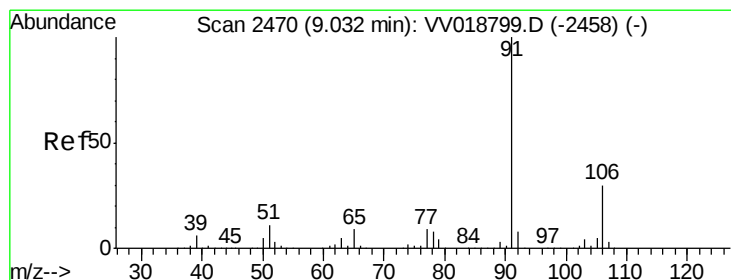
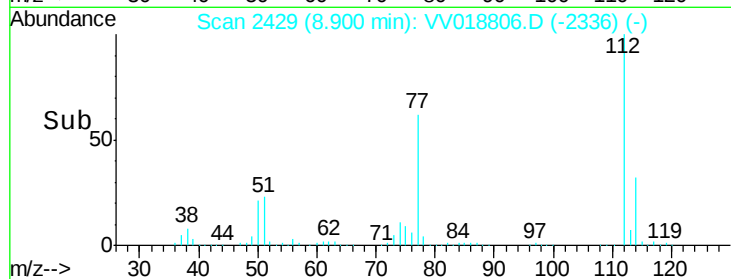
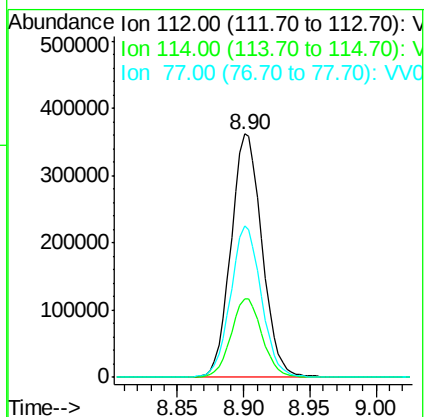
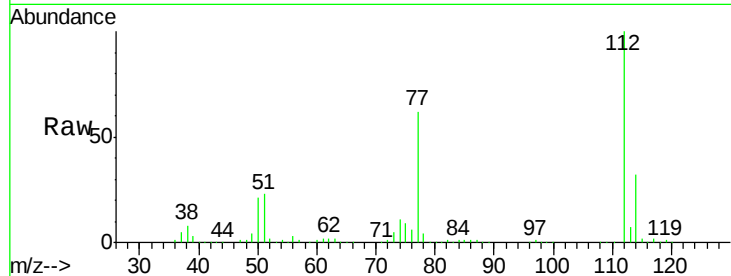
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#51
Chlorobenzene
Concen: 97.691 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV018806.D
Acq: 09 Oct 2020 10:07

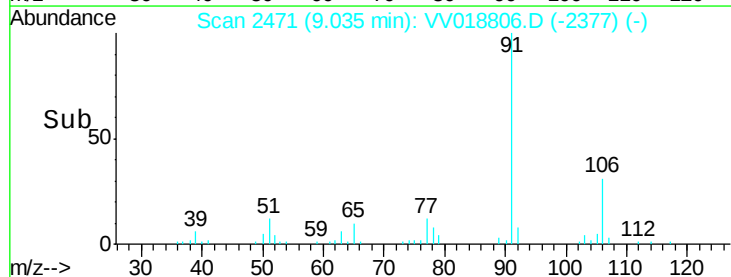
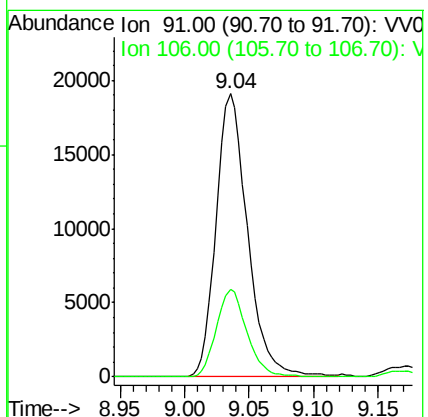
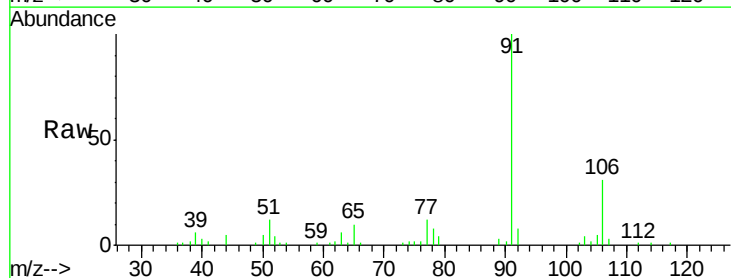
Instrument :
MSVOA_V
ClientSampleId :
BG3S1

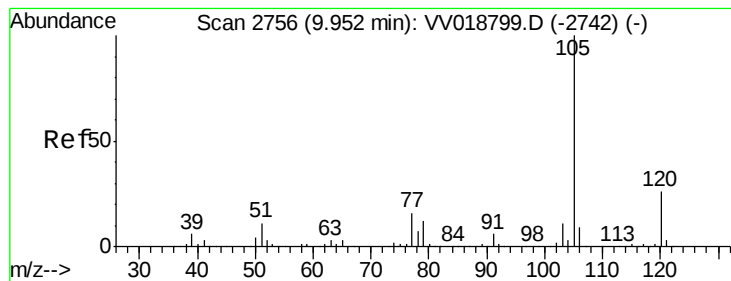
Tot Ion:112 Resp: 590343
Ion Ratio Lower Upper
112 100
114 32.4 22.0 41.0
77 62.0 49.8 74.6



#52
Ethylbenzene
Concen: 3.144 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV018806.D
Acq: 09 Oct 2020 10:07

Tgt Ion: 91 Resp: 32511
Ion Ratio Lower Upper
91 100
106 30.8 20.9 38.9





#56

Isopropylbenzene

Concen: 0.646 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV018806.D

Acq: 09 Oct 2020 10:07

Instrument :

MSVOA_V

ClientSampled :

BG3S1

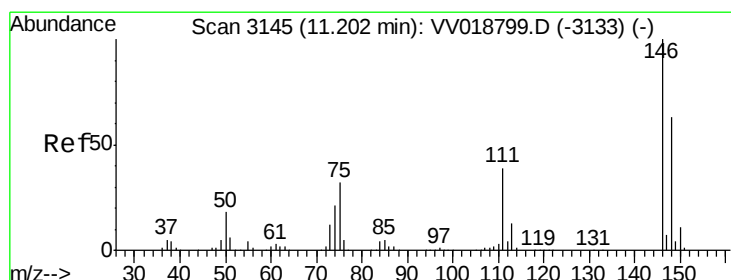
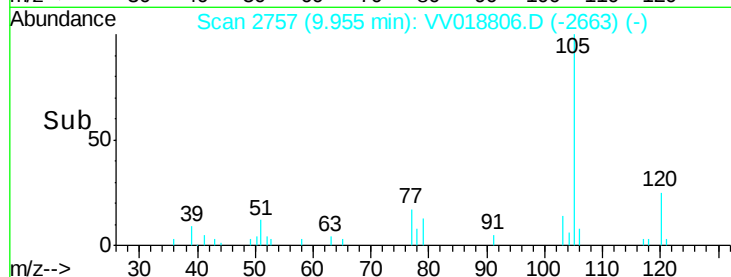
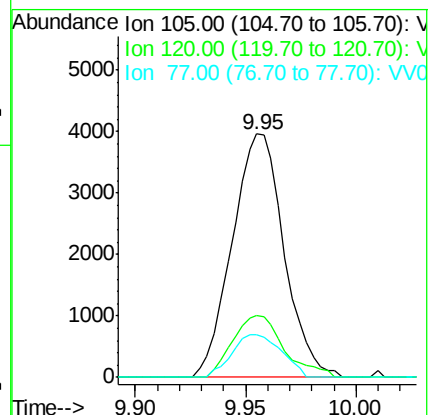
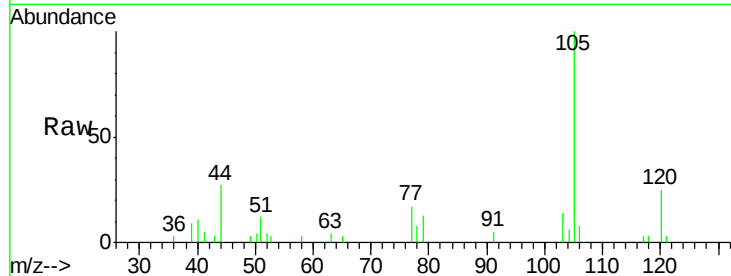
Tot Ion:105 Resp: 6448

Ion Ratio Lower Upper

105 100

120 25.1 20.4 30.6

77 16.7 13.0 19.6



#62

1,3-Dichlorobenzene

Concen: 93.252 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018806.D

Acq: 09 Oct 2020 10:07

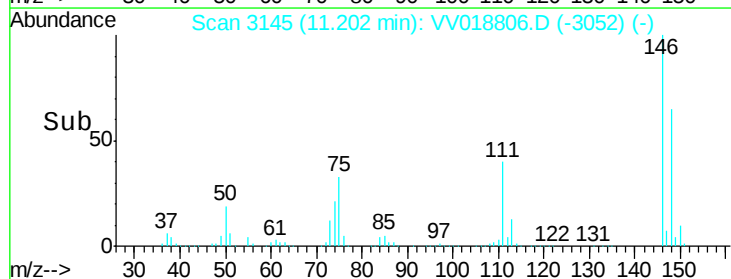
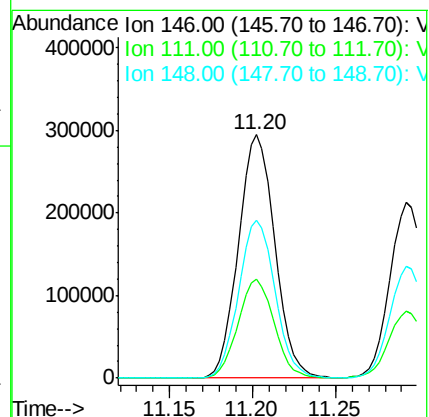
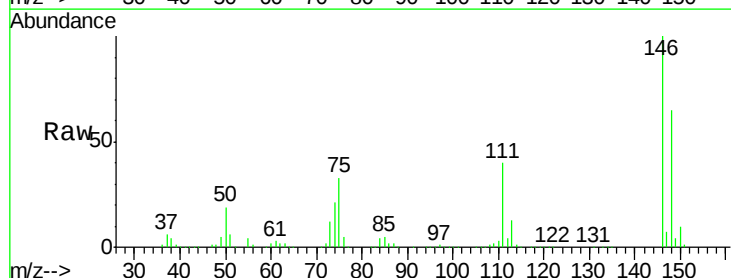
Tgt Ion:146 Resp: 451191

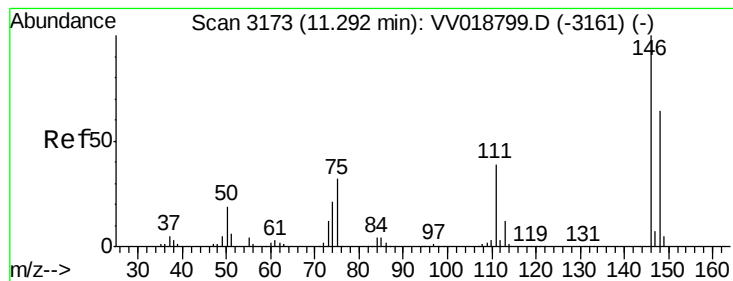
Ion Ratio Lower Upper

146 100

111 40.4 27.8 51.6

148 65.0 45.4 84.4





#63

1,4-Dichlorobenzene

Concen: 64.148 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018806.D

Acq: 09 Oct 2020 10:07

Instrument :

MSVOA_V

ClientSampled :

BG3S1

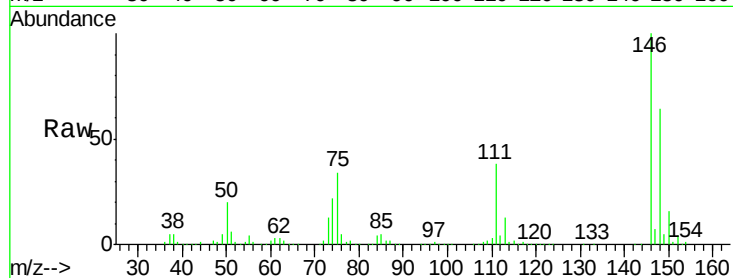
Tot Ion:146 Resp: 322861

Ion Ratio Lower Upper

146 100

111 38.0 27.1 50.3

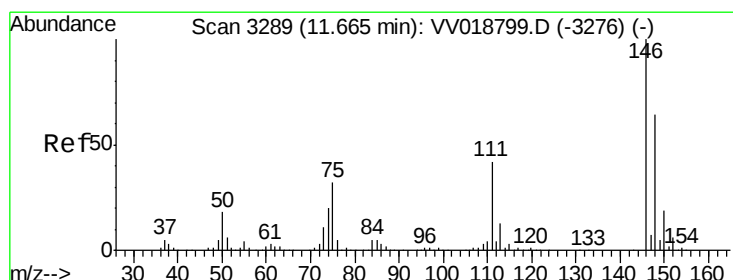
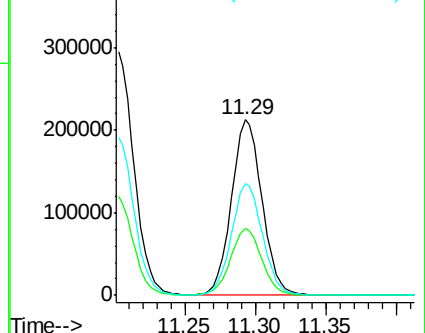
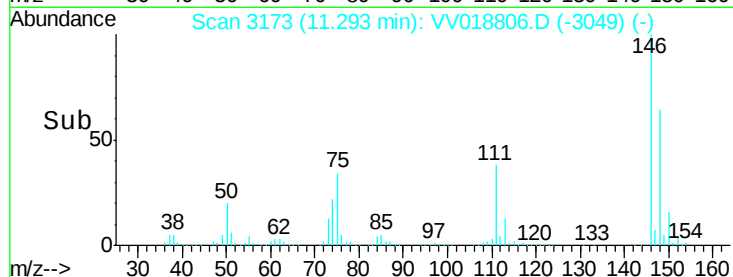
148 63.7 45.4 84.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 7.762 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018806.D

Acq: 09 Oct 2020 10:07

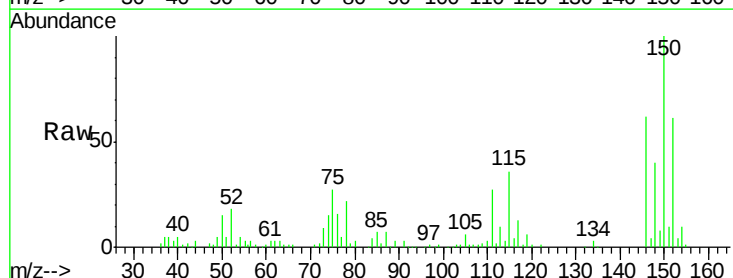
Tgt Ion:146 Resp: 37702

Ion Ratio Lower Upper

146 100

111 43.4 33.8 50.6

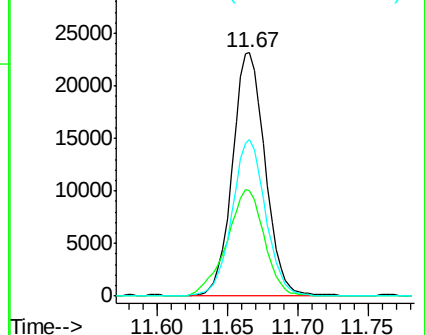
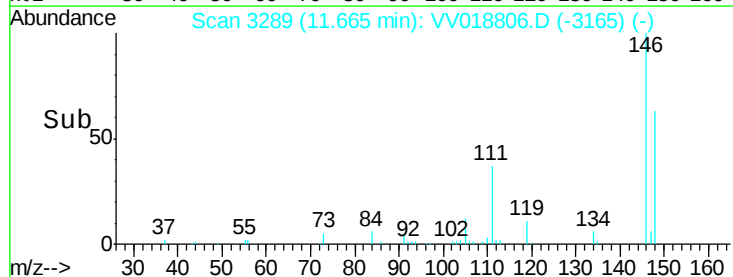
148 64.2 50.3 75.5

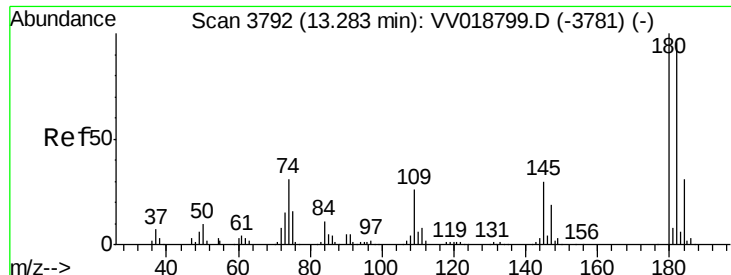


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#68

1,2,4-trichlorobenzene

Concen: 140.135 ug/L

RT: 13.28 min Scan# 3792

Delta R.T. 0.00 min

Lab File: VV018806.D

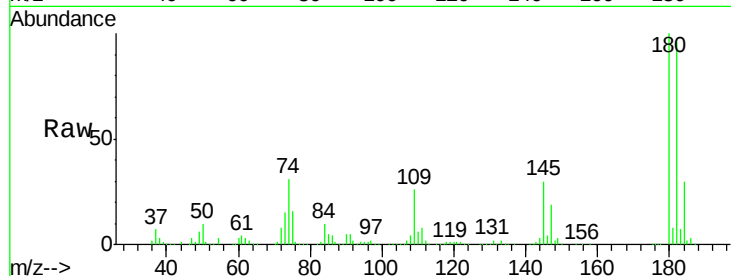
Acq: 09 Oct 2020 10:07

Instrument :

MSVOA_V

ClientSampleId :

BG3S1



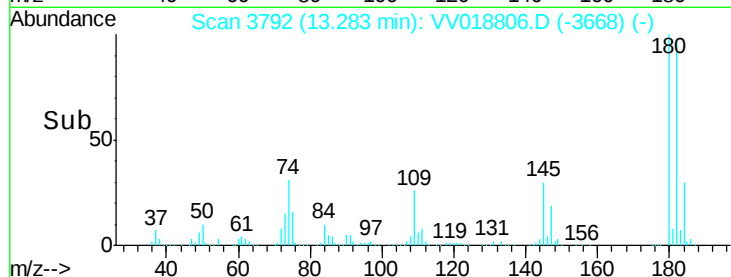
Tot Ion:180 Resp: 412969

Ion Ratio Lower Upper

180 100

182 97.0 76.7 115.1

145 30.3 24.0 36.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

