

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091319\
 Data File : VV012737.D
 Acq On : 13 Sep 2019 19:56
 Operator : SY/MD
 Sample : K4707-06
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0CJ7

Quant Time: Sep 14 00:47:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM091319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 14 00:19:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	786196	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	747373	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	299089	50.00	ug/L	0.00

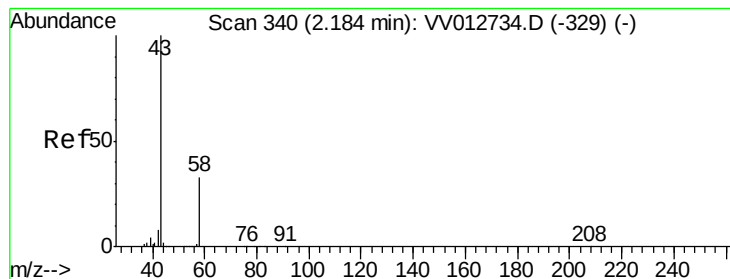
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	206067	46.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.50%
7) Chloroethane-d5	1.58	69	190954	47.89	ug/L	0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.78%
11) 1,1-Dichloroethene-d2	2.13	63	308476	35.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.18%
21) 2-Butanone-d5	3.92	46	468950	101.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.49%
24) Chloroform-d	4.40	84	517815	46.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.08	65	329213	49.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.32%
32) Benzene-d6	5.10	84	972655	48.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.54%
36) 1,2-Dichloropropane-d6	6.12	67	348898	49.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.16%
41) Toluene-d8	7.36	98	853939	46.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.60%
43) trans-1,3-Dichloropropene-	7.66	79	135987	46.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.76%
47) 2-Hexanone-d5	8.13	63	249894	92.55	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.55%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	389928	43.31	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.62%
64) 1,2-Dichlorobenzene-d4	11.67	152	368803	54.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.06%

Target Compounds

					Ovalue
13) Acetone	2.19	43	54420	14.268	ug/L 99
51) Chlorobenzene	8.92	112	133504	9.230	ug/L 99
62) 1,3-Dichlorobenzene	11.22	146	18653	2.019	ug/L 97
63) 1,4-Dichlorobenzene	11.31	146	148258	15.645	ug/L 97
65) 1,2-Dichlorobenzene	11.69	146	990684	101.991	ug/L 100
68) 1,2,4-trichlorobenzene	13.31	180	157766	27.359	ug/L 99
70) 1,2,3-Trichlorobenzene	13.79	180	143819	22.975	ug/L 97

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



#13

Acetone

Concen: 14.268 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV012737.D

Acq: 13 Sep 2019 19:56

Instrument :

MSVOA_V

ClientSampleId :

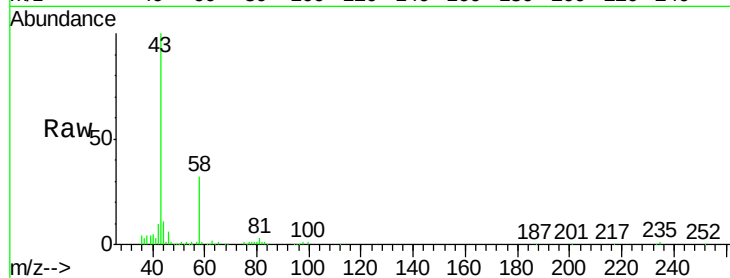
C0CJ7

Tot Ion: 43 Resp: 54420

Ion Ratio Lower Upper

43 100

58 32.8 0.0 66.4



Abundance Ion 43.00 (42.70 to 43.70): VV012737.D (-247) (-)

Ion 58.00 (57.70 to 58.70): VV012737.D (-247) (-)

2.19

40000

30000

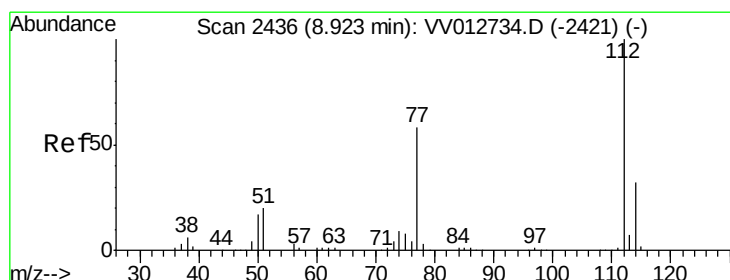
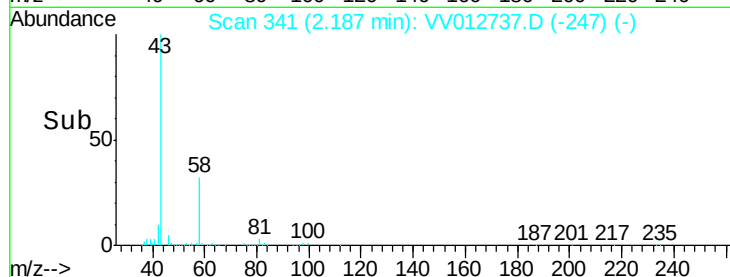
20000

10000

0

Time-->

2.15 2.20 2.25



#51

Chlorobenzene

Concen: 9.230 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV012737.D

Acq: 13 Sep 2019 19:56

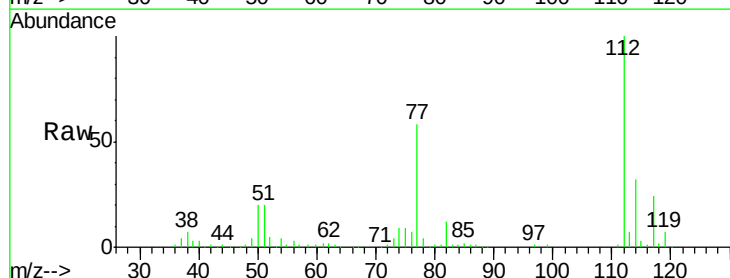
Tgt Ion: 112 Resp: 133504

Ion Ratio Lower Upper

112 100

114 32.3 22.4 41.6

77 58.0 46.7 70.1



Abundance Ion 112.00 (111.70 to 112.70): VV012737.D (-2343) (-)

Ion 114.00 (113.70 to 114.70): VV012737.D (-2343) (-)

Ion 77.00 (76.70 to 77.70): VV012737.D (-2343) (-)

8.92

100000

80000

60000

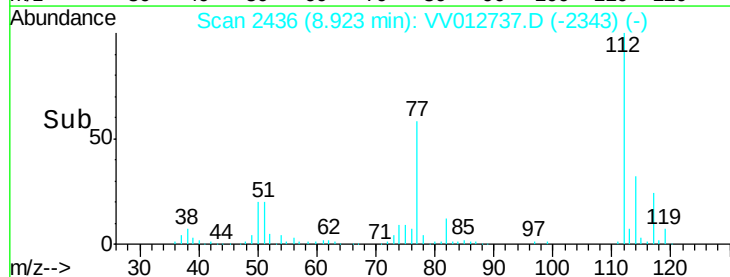
40000

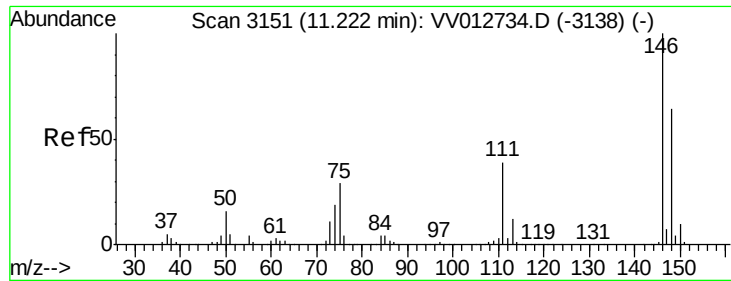
20000

0

Time-->

8.85 8.90 8.95





#62

1,3-Dichlorobenzene

Concen: 2.019 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012737.D

Acq: 13 Sep 2019 19:56

Instrument :

MSVOA_V

ClientSampleId :

C0CJ7

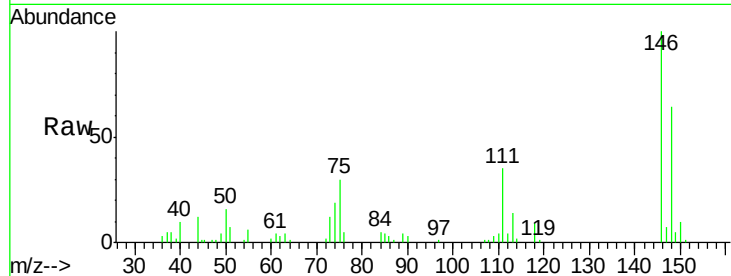
Tot Ion:146 Resp: 18653

Ion Ratio Lower Upper

146 100

111 35.1 27.2 50.6

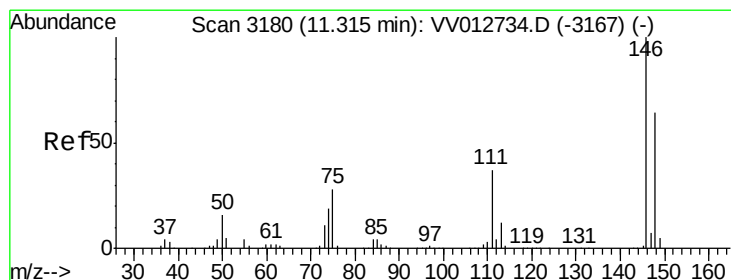
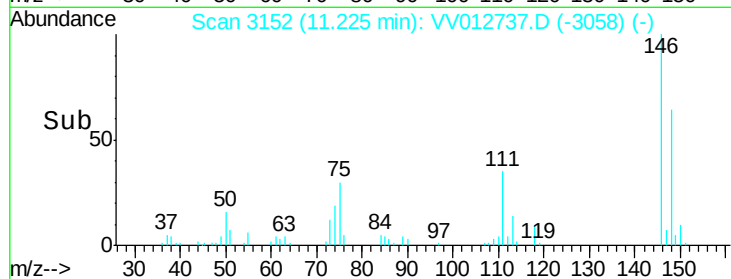
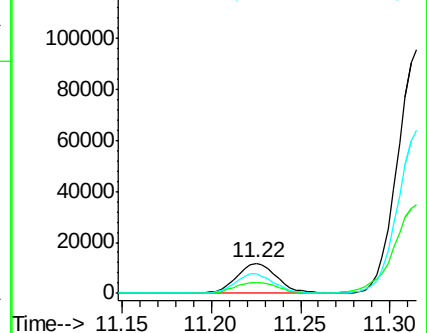
148 63.7 45.2 84.0



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



#63

1,4-Dichlorobenzene

Concen: 15.645 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV012737.D

Acq: 13 Sep 2019 19:56

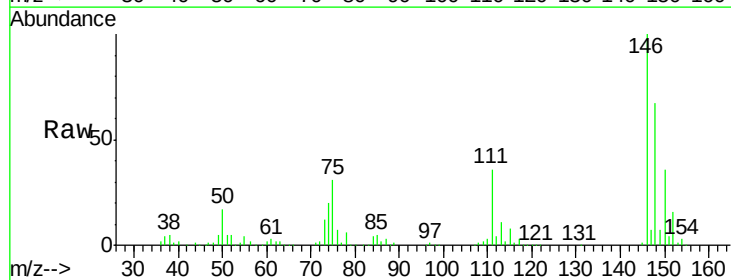
Tgt Ion:146 Resp: 148258

Ion Ratio Lower Upper

146 100

111 36.4 26.2 48.8

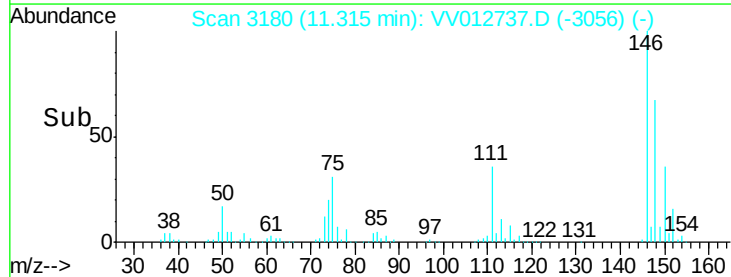
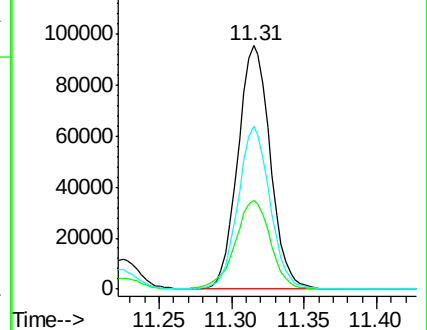
148 67.1 45.0 83.6

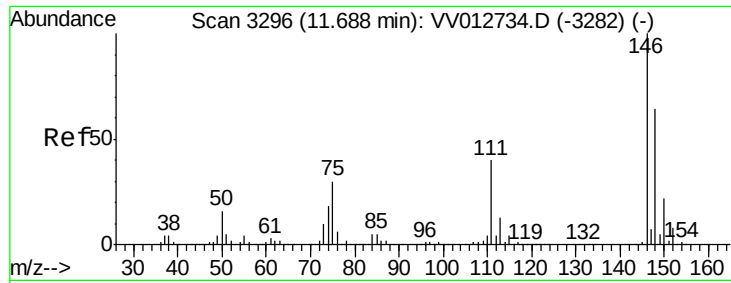


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 101.991 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV012737.D

Acq: 13 Sep 2019 19:56

Instrument :

MSVOA_V

ClientSampled :

C0CJ7

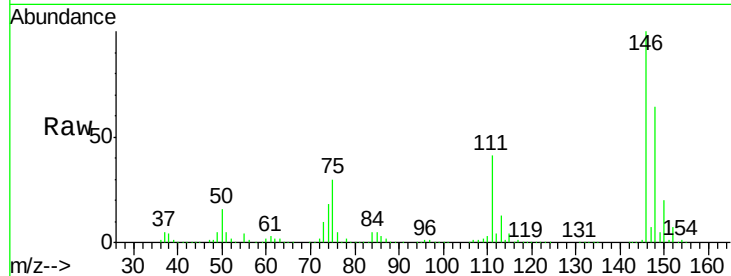
Tot Ion:146 Resp: 990684

Ion Ratio Lower Upper

146 100

111 40.6 32.2 48.2

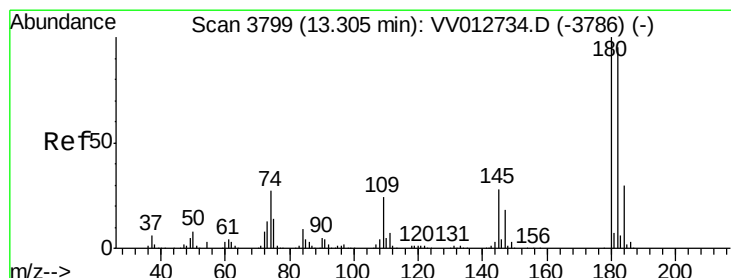
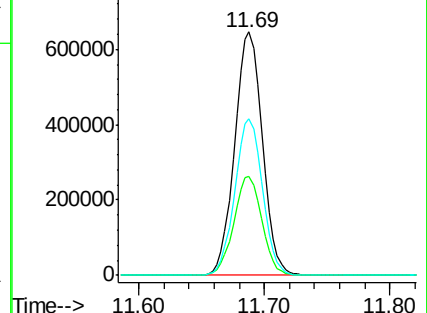
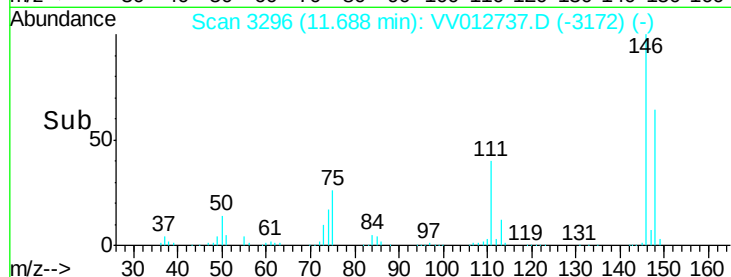
148 64.3 51.5 77.3



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: 27.359 ug/L

RT: 13.31 min Scan# 3799

Delta R.T. -0.00 min

Lab File: VV012737.D

Acq: 13 Sep 2019 19:56

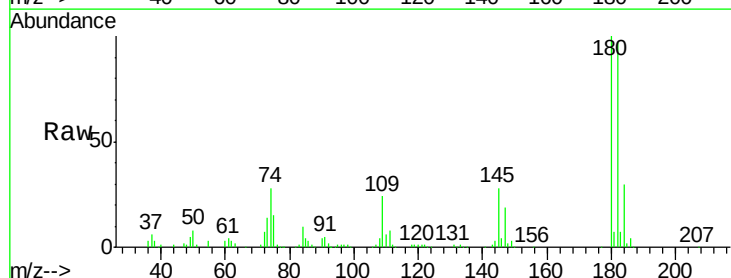
Tgt Ion:180 Resp: 157766

Ion Ratio Lower Upper

180 100

182 96.7 76.8 115.2

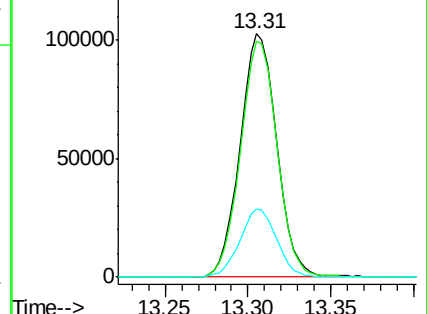
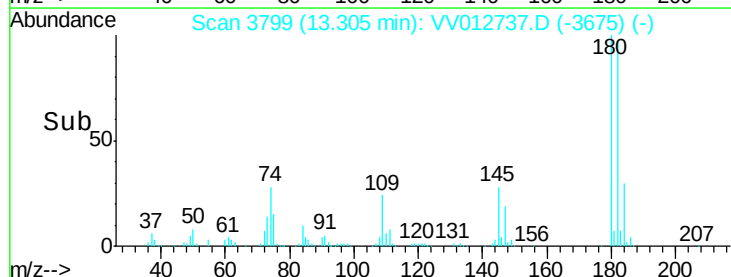
145 28.1 23.0 34.4

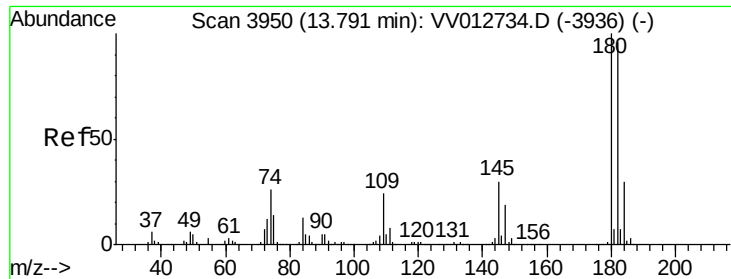


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 22.975 ug/L
 RT: 13.79 min Scan# 3950
 Delta R.T. -0.00 min
 Lab File: VV012737.D
 Acq: 13 Sep 2019 19:56

Instrument :
 MSVOA_V
 ClientSampleId :
 C0CJ7

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	97.8	75.6	113.4	
145	30.2	24.2	36.2	

