

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091319\
 Data File : VV012761.D
 Acq On : 14 Sep 2019 12:04
 Operator : SY/MD
 Sample : K4707-04DL 100X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0CJ5DL

Quant Time: Sep 16 04:48:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM091319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 16 04:18:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	762408	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	721282	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	306605	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	179717	41.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.18%
7) Chloroethane-d5	1.58	69	178312	46.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.22%
11) 1,1-Dichloroethene-d2	2.13	63	280667	33.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.78%
21) 2-Butanone-d5	3.92	46	458075	102.23	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.23%
24) Chloroform-d	4.40	84	500685	46.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.54%
26) 1,2-Dichloroethane-d4	5.08	65	321423	49.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.98%
32) Benzene-d6	5.10	84	942706	48.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.96%
36) 1,2-Dichloropropane-d6	6.12	67	337980	49.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.54%
41) Toluene-d8	7.36	98	817652	46.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.88%
43) trans-1,3-Dichloropropene-	7.66	79	133158	47.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.12%
47) 2-Hexanone-d5	8.13	63	257400	98.78	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.78%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	413878	47.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.26%
64) 1,2-Dichlorobenzene-d4	11.67	152	374948	53.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.16%

Target Compounds

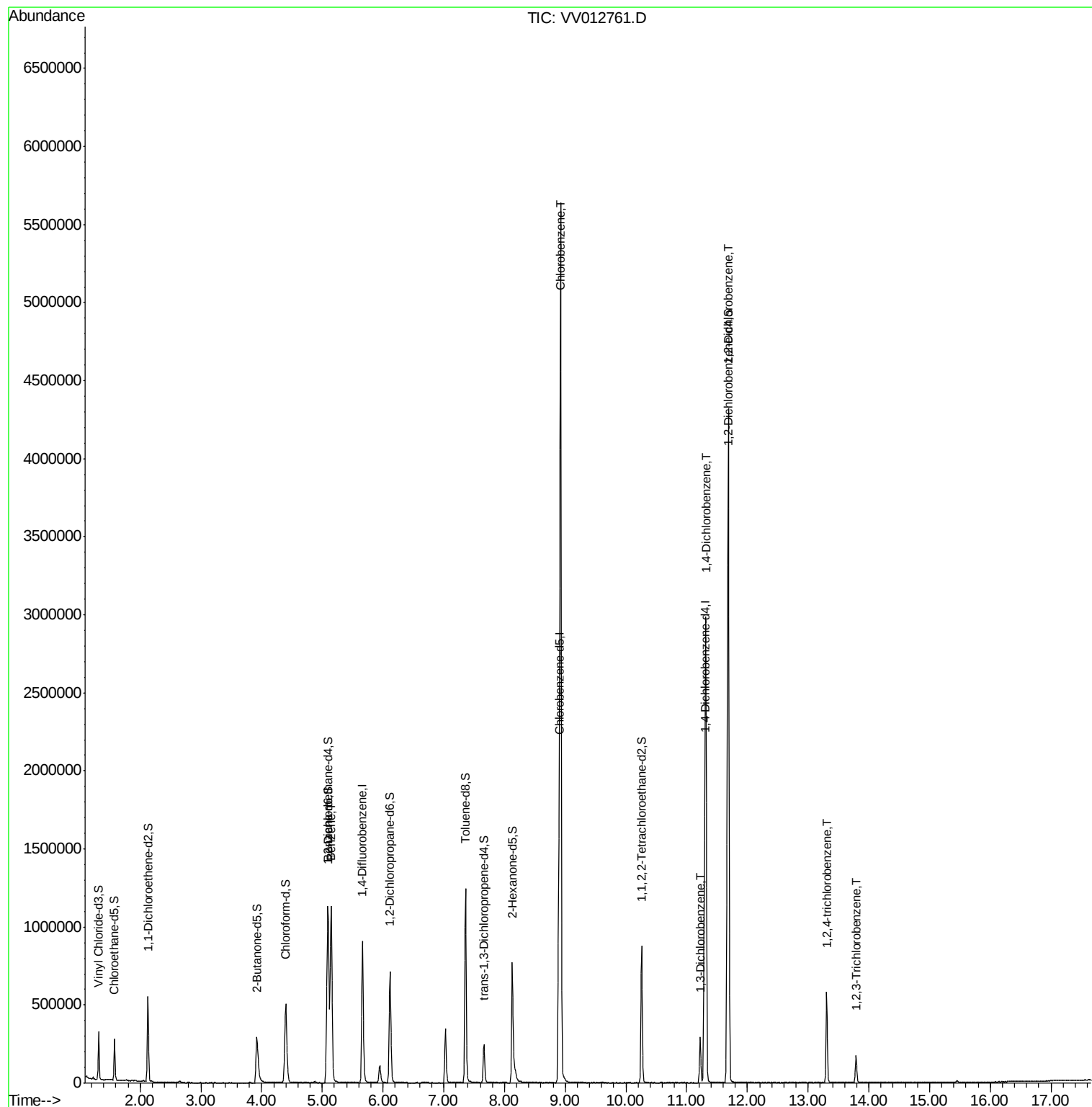
					Ovalue
33) Benzene	5.14	78	1117158	56.942	ug/L 100
51) Chlorobenzene	8.92	112	2921372	209.279	ug/L 99
62) 1,3-Dichlorobenzene	11.23	146	117873	12.447	ug/L 99
63) 1,4-Dichlorobenzene	11.32	146	1149771	118.358	ug/L 100
65) 1,2-Dichlorobenzene	11.69	146	1610096	161.696	ug/L 100
68) 1,2,4-trichlorobenzene	13.31	180	182864	30.934	ug/L 100
70) 1,2,3-Trichlorobenzene	13.79	180	56114	8.745	ug/L 99

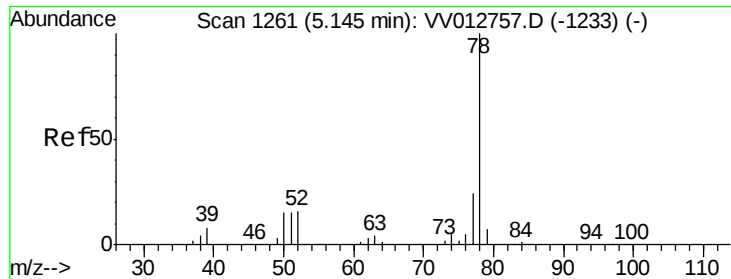
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Mon Sep 16 04:18:41 2019
Response via : Initial Calibration





#33

Benzene

Concen: 56.942 ug/L

RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV012761.D

Acq: 14 Sep 2019 12:04

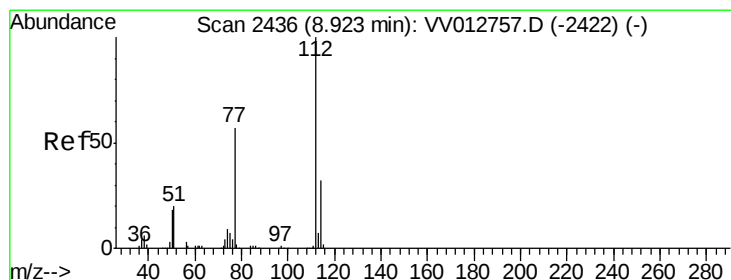
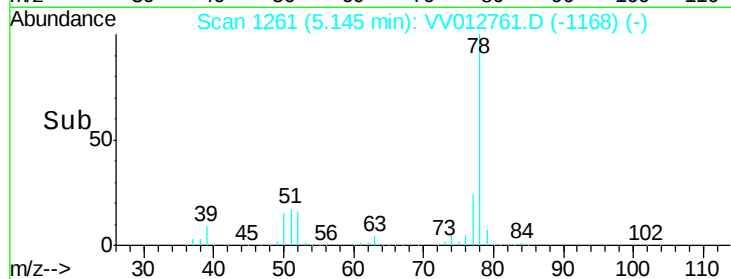
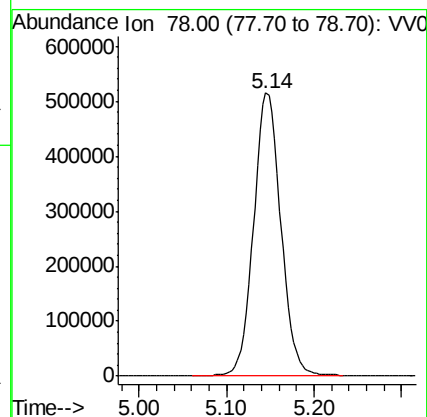
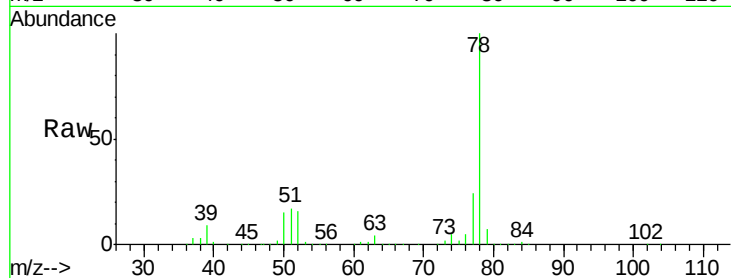
Instrument :

MSVOA_V

ClientSampleId :

C0CJ5DL

Tgt Ion: 78 Resp: 1117158



#51

Chlorobenzene

Concen: 209.279 ug/L

RT: 8.92 min Scan# 2436

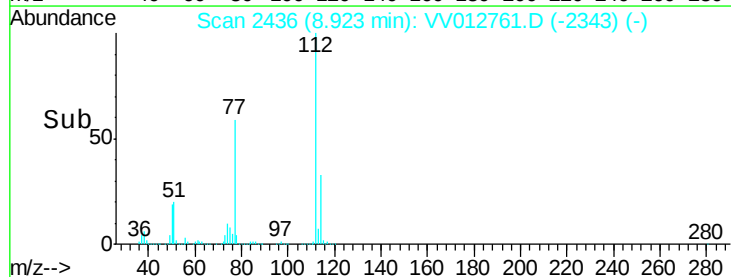
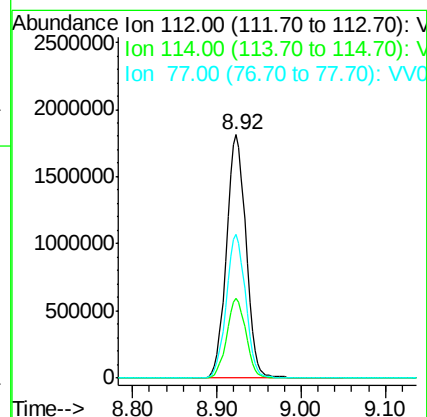
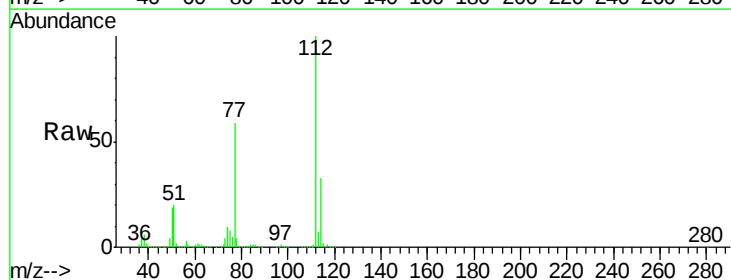
Delta R.T. 0.00 min

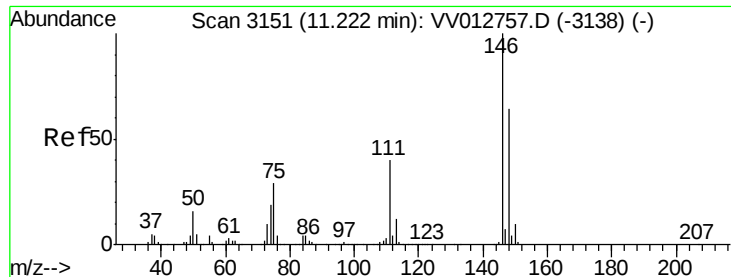
Lab File: VV012761.D

Acq: 14 Sep 2019 12:04

Tgt Ion: 112 Resp: 2921372

Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.4	41.6
77	58.8	46.7	70.1





#62

1,3-Dichlorobenzene

Concen: 12.447 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012761.D

Acq: 14 Sep 2019 12:04

Instrument :

MSVOA_V

ClientSampleId :

C0CJ5DL

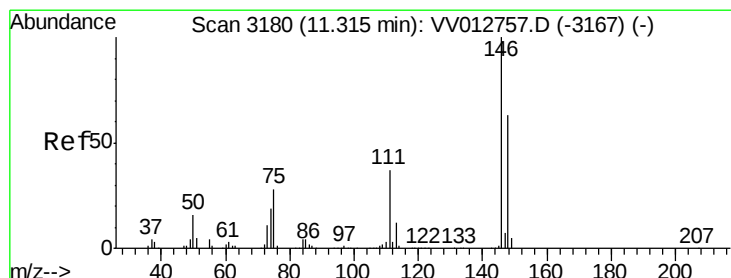
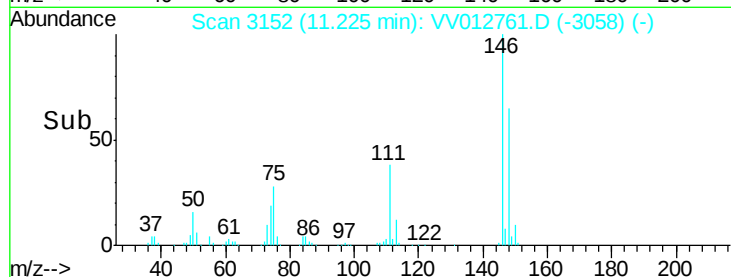
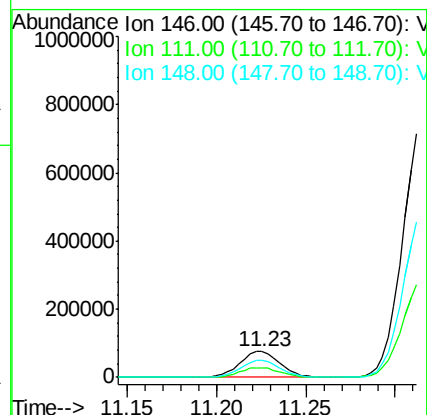
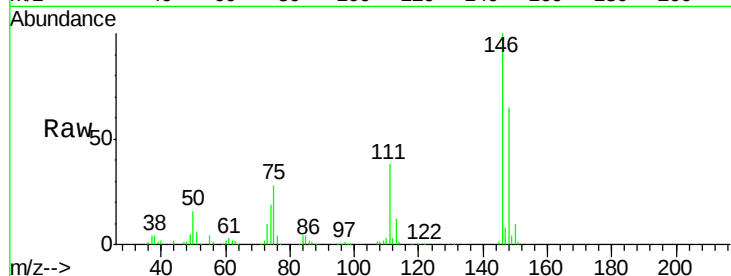
Tot Ion:146 Resp: 117873

Ion Ratio Lower Upper

146 100

111 38.3 27.2 50.6

148 65.2 45.2 84.0



#63

1,4-Dichlorobenzene

Concen: 118.358 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV012761.D

Acq: 14 Sep 2019 12:04

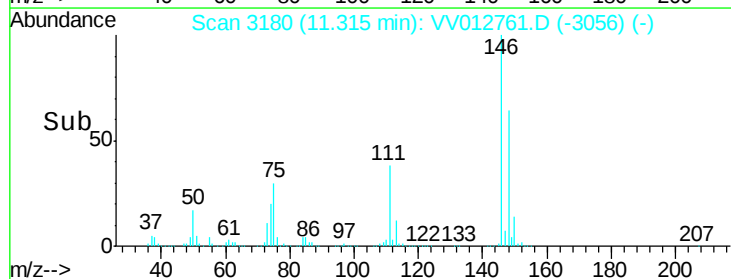
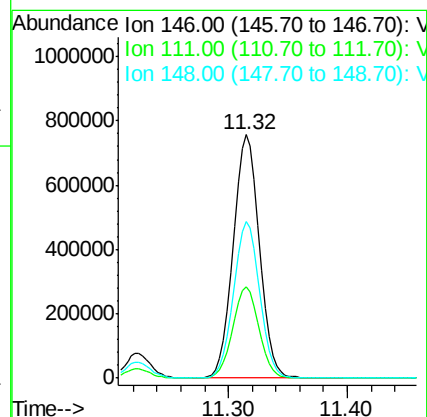
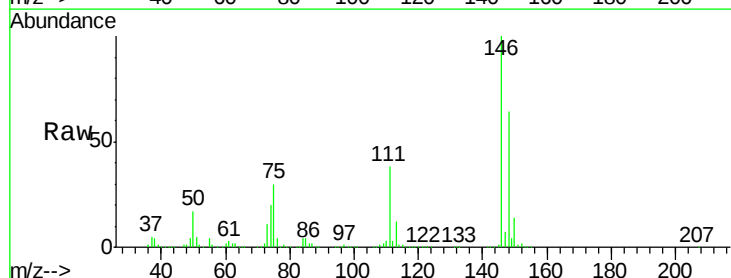
Tgt Ion:146 Resp: 1149771

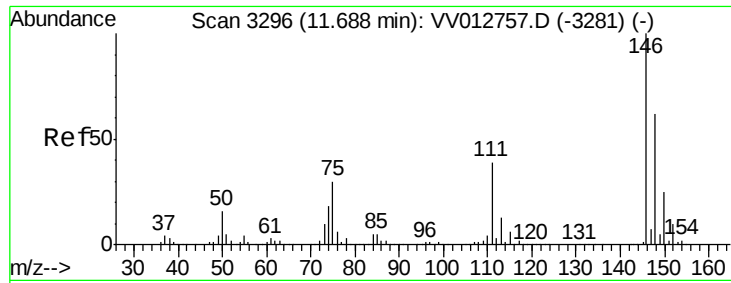
Ion Ratio Lower Upper

146 100

111 37.6 26.2 48.8

148 64.2 45.0 83.6





#65

1,2-Dichlorobenzene

Concen: 161.696 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012761.D

Acq: 14 Sep 2019 12:04

Instrument :

MSVOA_V

ClientSampleId :

C0CJ5DL

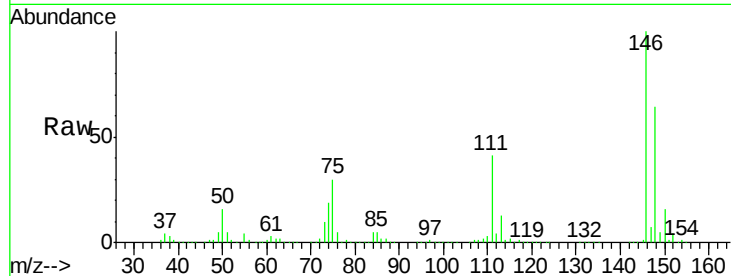
Tot Ion:146 Resp: 1610096

Ion Ratio Lower Upper

146 100

111 40.6 32.2 48.2

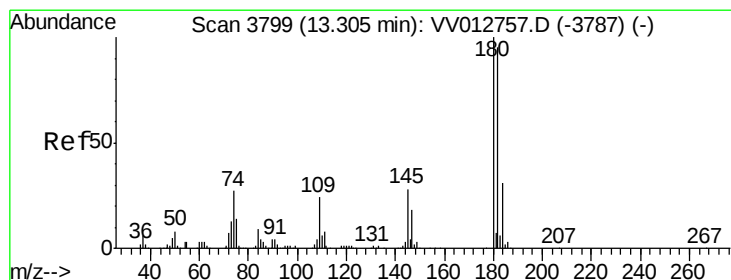
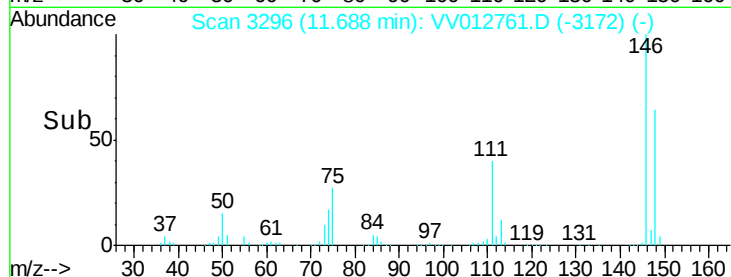
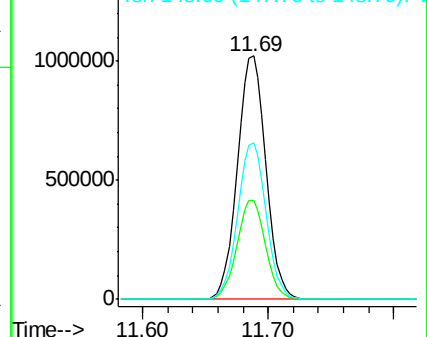
148 64.2 51.5 77.3



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: 30.934 ug/L

RT: 13.31 min Scan# 3799

Delta R.T. 0.00 min

Lab File: VV012761.D

Acq: 14 Sep 2019 12:04

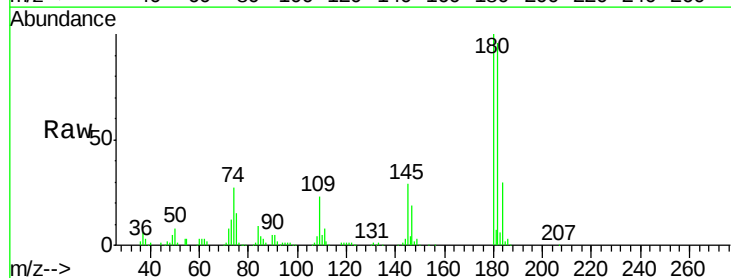
Tgt Ion:180 Resp: 182864

Ion Ratio Lower Upper

180 100

182 96.1 76.8 115.2

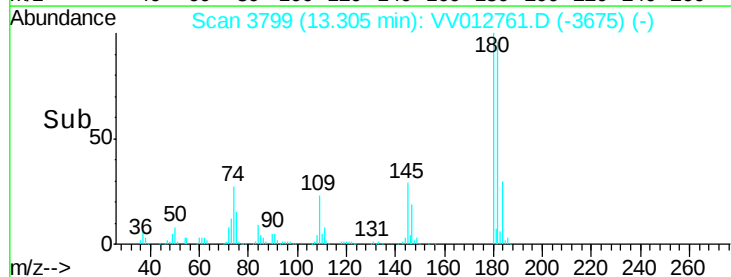
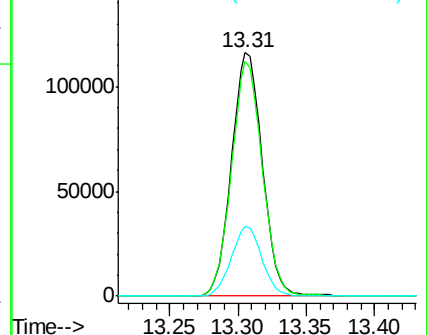
145 28.2 23.0 34.4

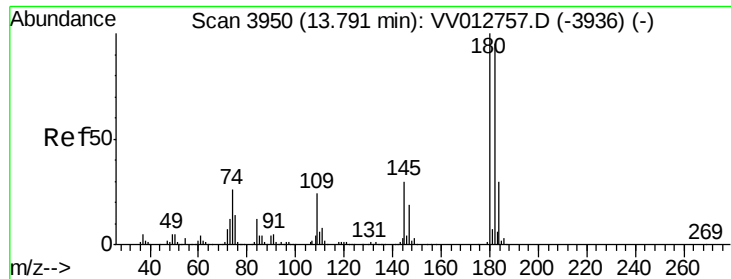


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 8.745 ug/L
 RT: 13.79 min Scan# 3950
 Delta R.T. 0.00 min
 Lab File: VV012761.D
 Acq: 14 Sep 2019 12:04

Instrument :
 MSVOA_V
 ClientSampleId :
 C0CJ5DL

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	75.6	113.4
145	29.0	24.2	36.2

