

Data File : VV014968.D
Acq On : 17 Mar 2020 12:58
Operator : SY/MD
Sample : L1890-12DL 20X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0DD2DL

Quant Time: Mar 18 05:23:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 18 05:21:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	339691	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	329930	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	166542	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	85481	37.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.54%
7) Chloroethane-d5	1.58	69	70830	42.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.28%
11) 1,1-Dichloroethene-d2	2.12	63	112544	32.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.82%
21) 2-Butanone-d5	3.93	46	92021	66.69	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	66.69%
24) Chloroform-d	4.38	84	212271	45.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.04%
26) 1,2-Dichloroethane-d4	5.06	65	142084	47.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.12%
32) Benzene-d6	5.08	84	426850	46.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.92%
36) 1,2-Dichloropropane-d6	6.09	67	128651	47.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.06%
41) Toluene-d8	7.34	98	413042	45.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.90%
43) trans-1,3-Dichloropropene-	7.64	79	63325	44.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.02%
47) 2-Hexanone-d5	8.12	63	111878	91.57	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.57%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	182413	46.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.08%
64) 1,2-Dichlorobenzene-d4	11.65	152	180931	49.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.18%

Target Compounds

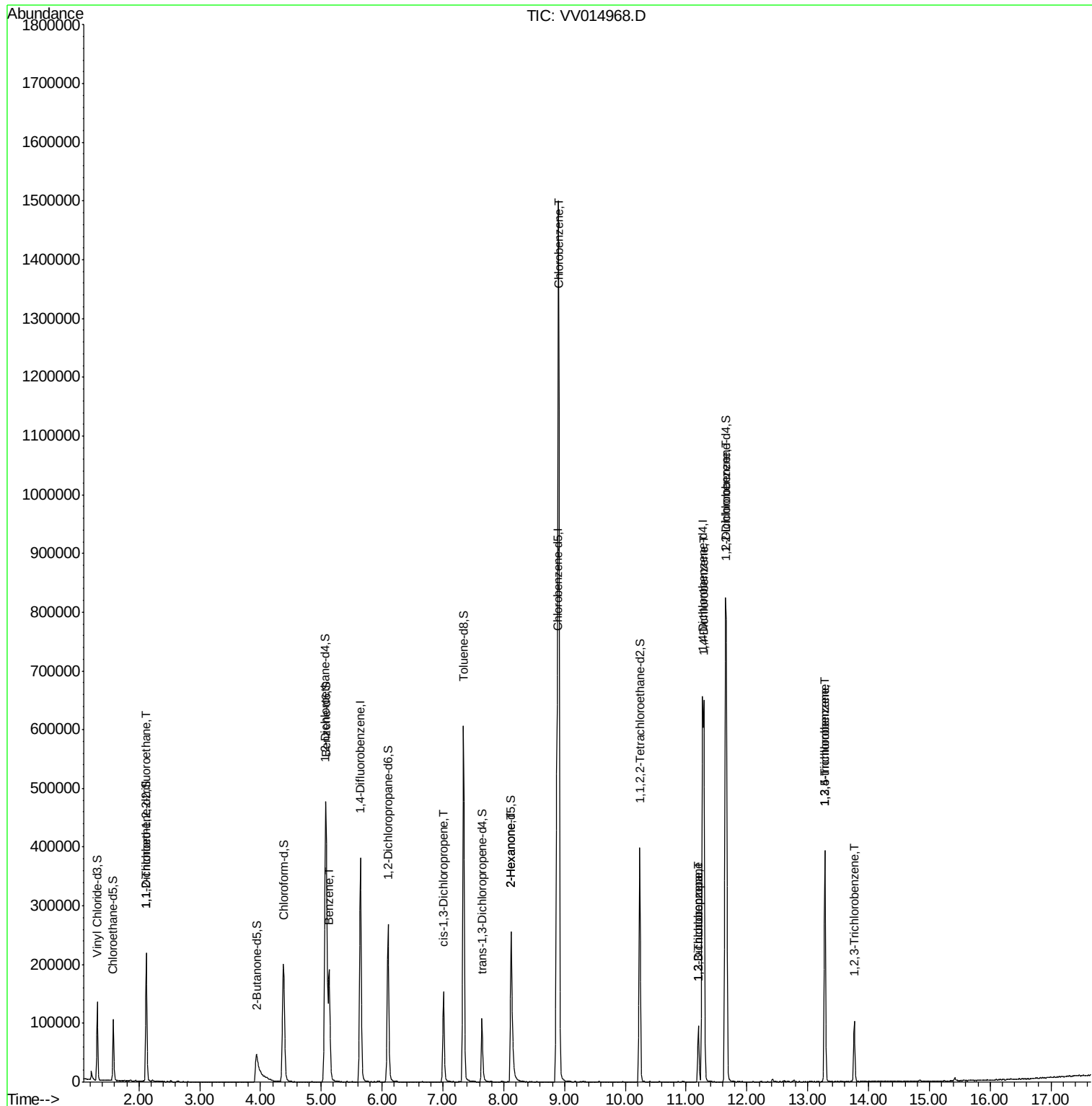
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1139	0.651 ug/L #	15
33) Benzene	5.13	78	195255	21.749 ug/L	100
39) cis-1,3-Dichloropropene	7.01	75	3879	1.049 ug/L #	68
48) 2-Hexanone	8.12	43	12711	5.288 ug/L #	68
51) Chlorobenzene	8.90	112	832934	119.732 ug/L	98
59) 1,2,3-Trichloropropane	11.20	75	10043	3.256 ug/L #	44
62) 1,3-Dichlorobenzene	11.20	146	40595	7.397 ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	251656	45.520 ug/L	96
65) 1,2-Dichlorobenzene	11.67	146	249097	45.437 ug/L	100
67) 1,3,5-Trichlorobenzene	13.28	180	126692	29.443 ug/L	97
68) 1,2,4-trichlorobenzene	13.28	180	126692	33.034 ug/L	97
70) 1,2,3-Trichlorobenzene	13.76	180	33662	8.867 ug/L	99

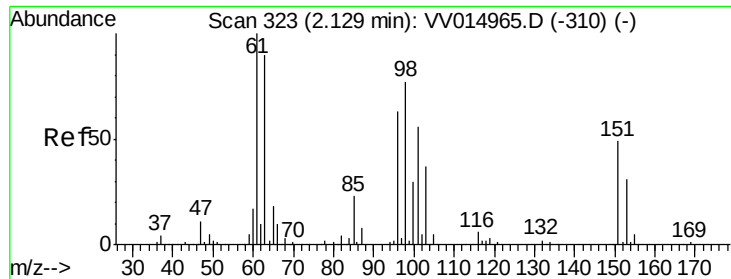
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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#10

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

Concen: 0.651 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV014968.D

Acq: 17 Mar 2020 12:58

Instrument :

MSVOA_V

ClientSampleId :

C0DD2DL

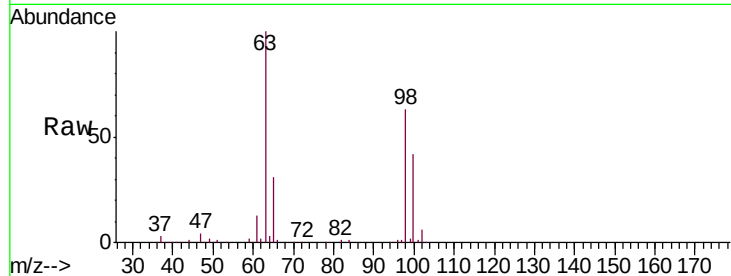
Tgt Ion:101 Resp: 1139

Ion Ratio Lower Upper

101 100

85 0.0 33.9 50.9#

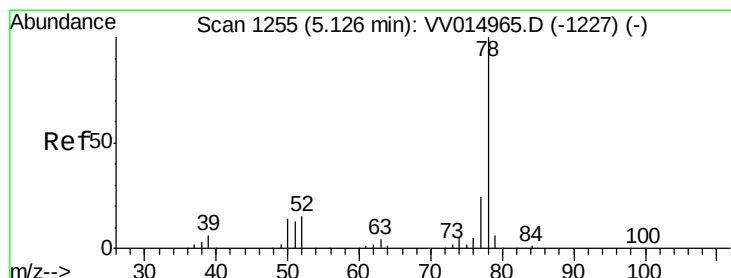
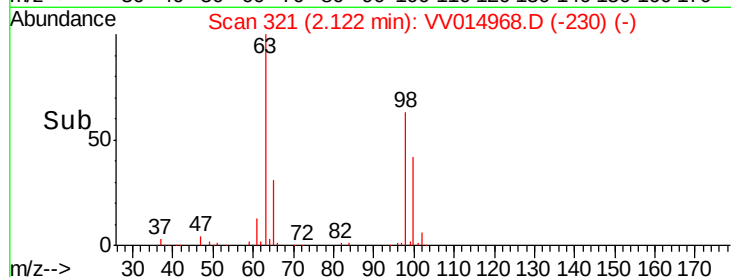
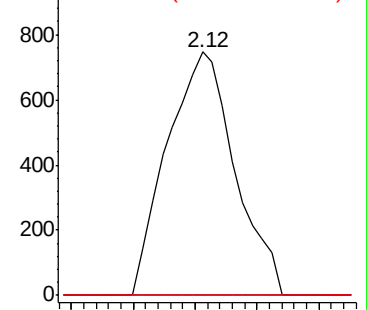
151 0.0 70.1 105.1#



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



#33

Benzene

Concen: 21.749 ug/L

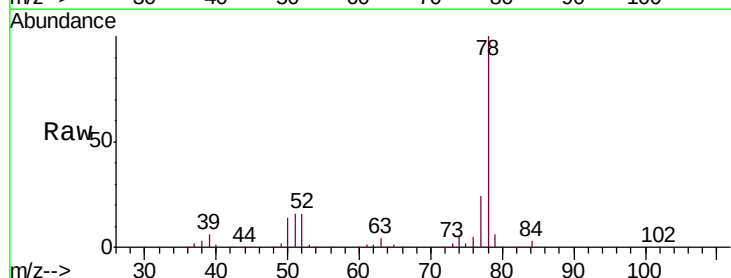
RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VV014968.D

Acq: 17 Mar 2020 12:58

Tgt Ion: 78 Resp: 195255



Abundance Ion 78.00 (77.70 to 78.70): VV0

100000

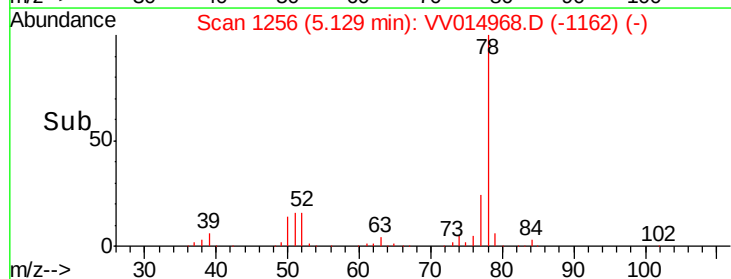
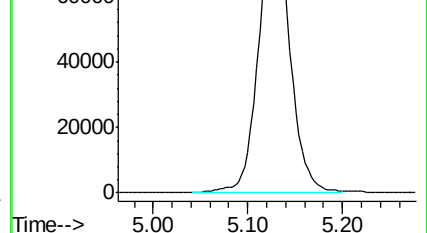
80000

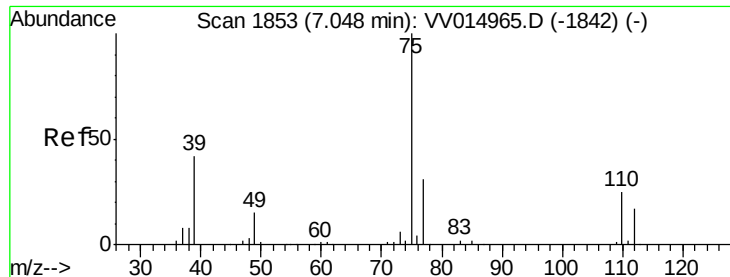
60000

40000

20000

0

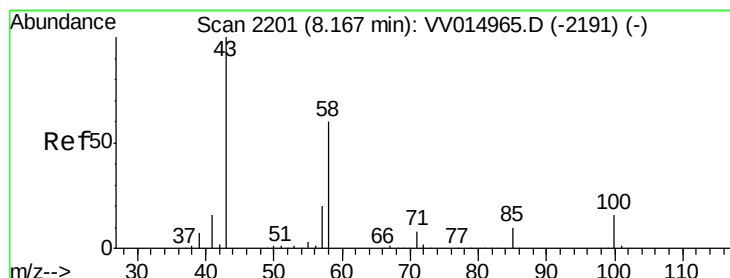
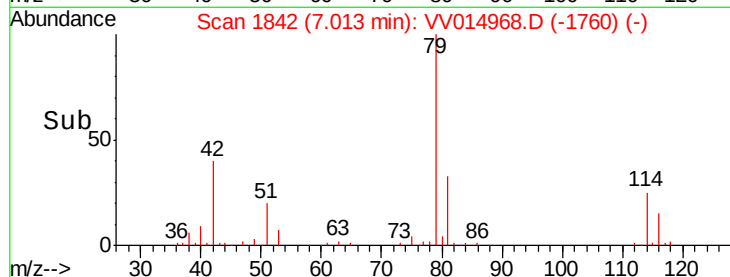
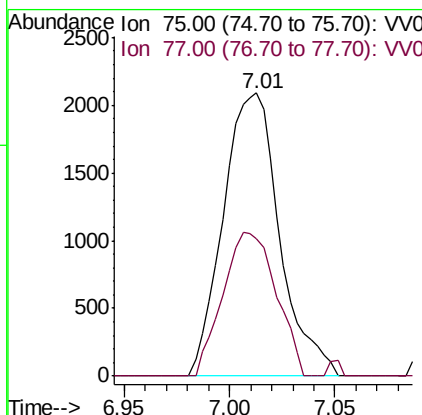
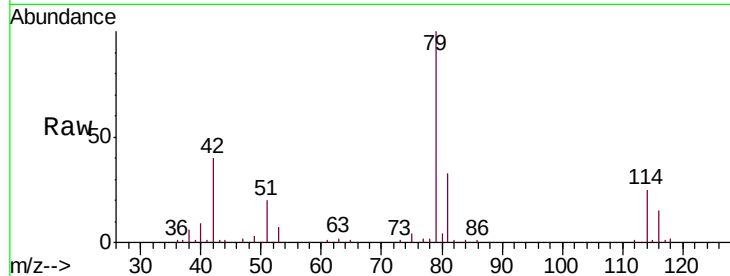




#39
 cis-1,3-Dichloropropene
 Concen: 1.049 ug/L
 RT: 7.01 min Scan# 1842
 Delta R.T. -0.04 min
 Lab File: VV014968.D
 Acq: 17 Mar 2020 12:58

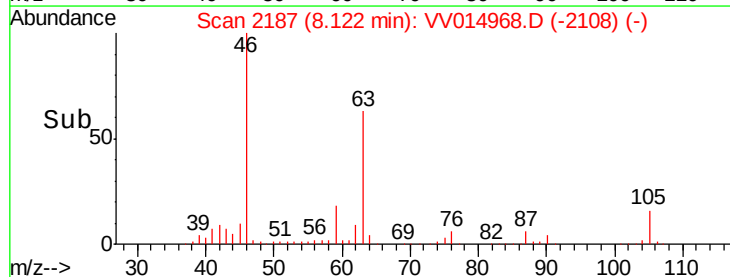
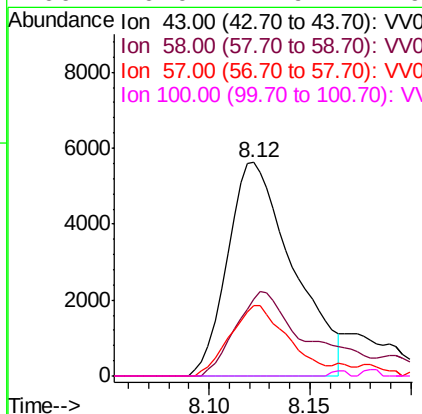
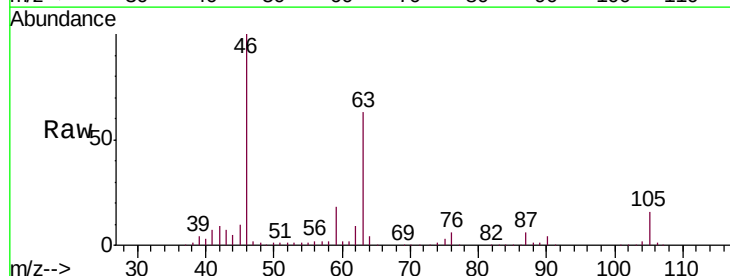
Instrument :
 MSVOA_V
 ClientSampleId :
 C0DD2DL

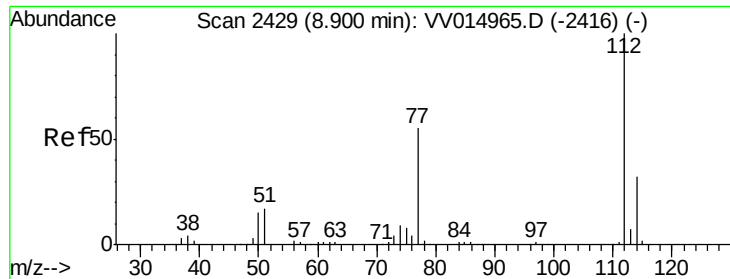
Tgt Ion: 75 Resp: 3879
 Ion Ratio Lower Upper
 75 100
 77 48.8 21.8 40.6#



#48
 2-Hexanone
 Concen: 5.288 ug/L
 RT: 8.12 min Scan# 2187
 Delta R.T. -0.05 min
 Lab File: VV014968.D
 Acq: 17 Mar 2020 12:58

Tgt Ion: 43 Resp: 12711
 Ion Ratio Lower Upper
 43 100
 58 32.2 46.9 70.3#
 57 29.6 16.2 24.4#
 100 0.0 11.9 17.9#





#51

Chlorobenzene

Concen: 119.732 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV014968.D

Acq: 17 Mar 2020 12:58

Instrument :

MSVOA_V

ClientSampleId :

C0DD2DL

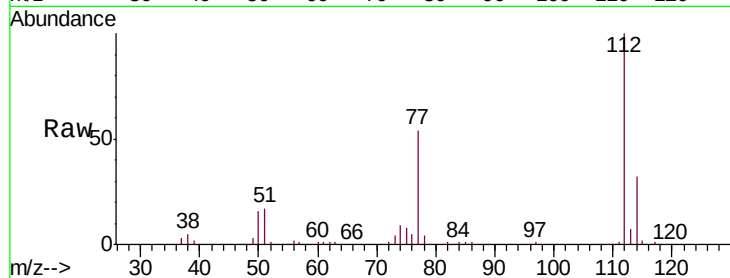
Tgt Ion: 112 Resp: 832934

Ion Ratio Lower Upper

112 100

114 31.9 22.8 42.4

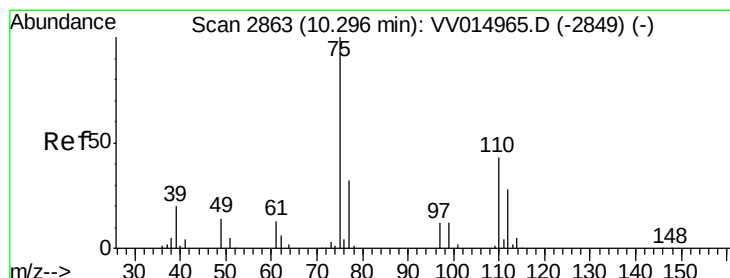
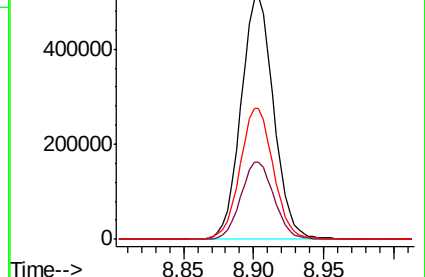
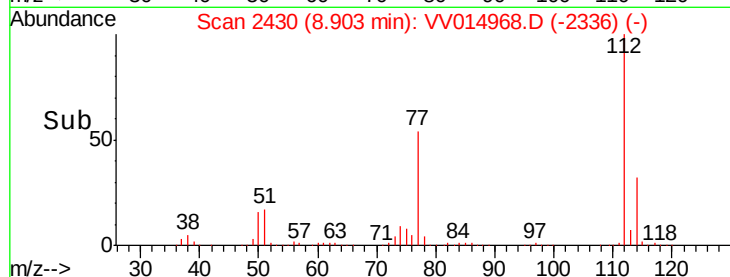
77 53.9 44.5 66.7



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#59

1,2,3-Trichloropropane

Concen: 3.256 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.91 min

Lab File: VV014968.D

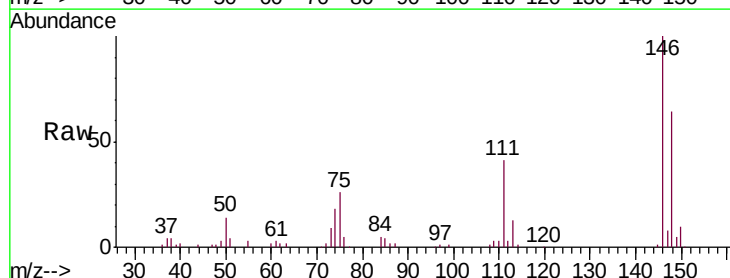
Acq: 17 Mar 2020 12:58

Tgt Ion: 75 Resp: 10043

Ion Ratio Lower Upper

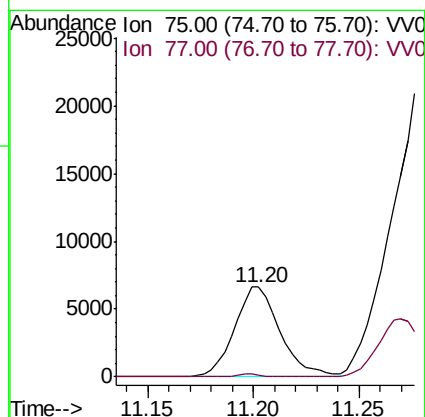
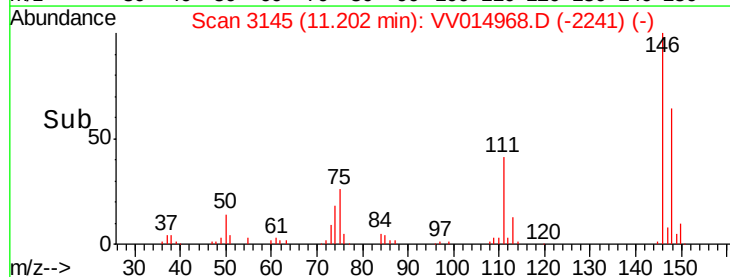
75 100

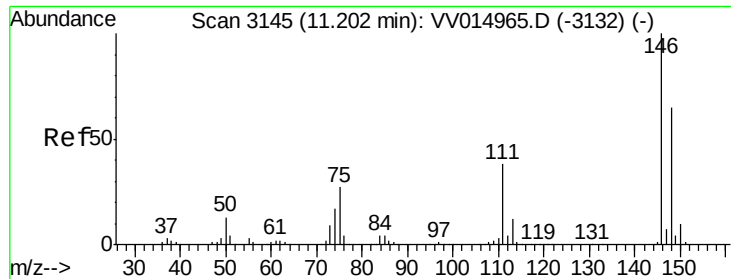
77 1.3 26.6 40.0#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#62

1,3-Dichlorobenzene

Concen: 7.397 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV014968.D

Acq: 17 Mar 2020 12:58

Instrument :

MSVOA_V

ClientSampleId :

C0DD2DL

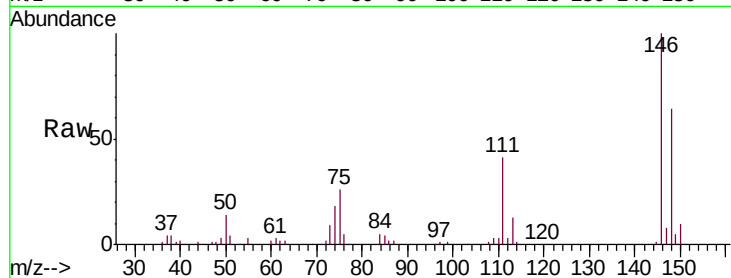
Tgt Ion:146 Resp: 40595

Ion Ratio Lower Upper

146 100

111 41.0 26.5 49.3

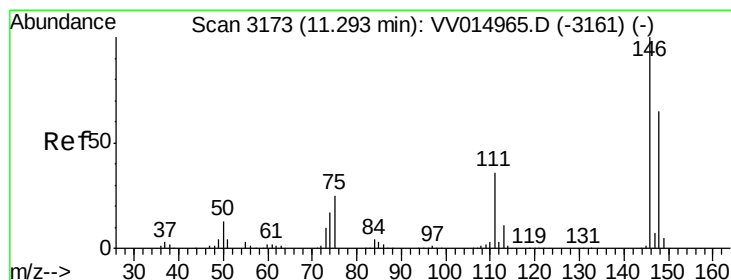
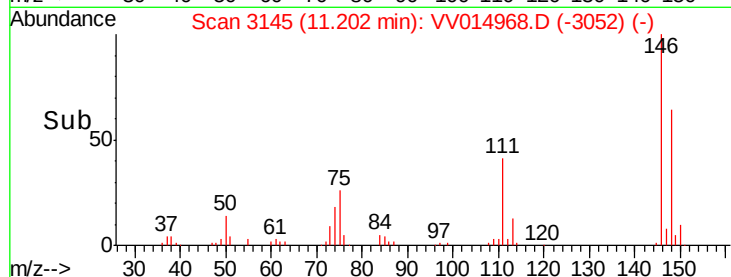
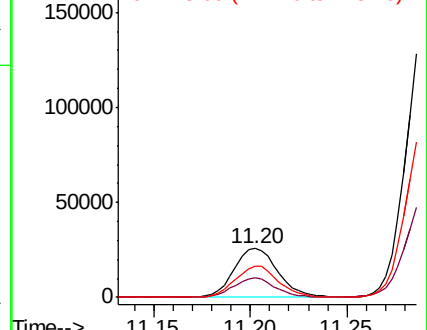
148 64.5 45.4 84.2



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: 45.520 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV014968.D

Acq: 17 Mar 2020 12:58

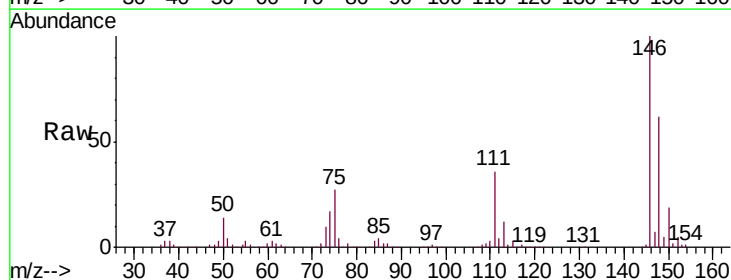
Tgt Ion:146 Resp: 251656

Ion Ratio Lower Upper

146 100

111 35.6 26.0 48.2

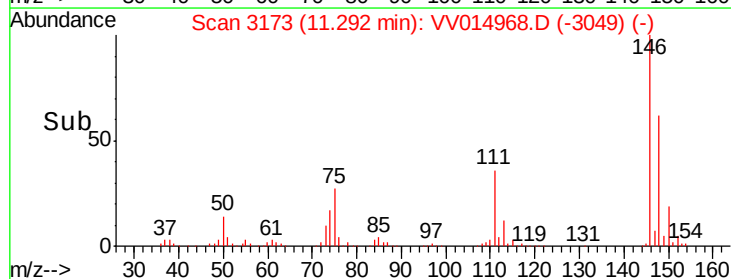
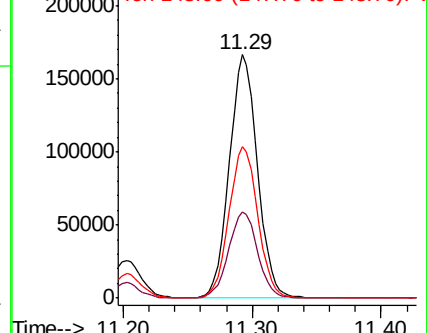
148 62.4 46.1 85.5

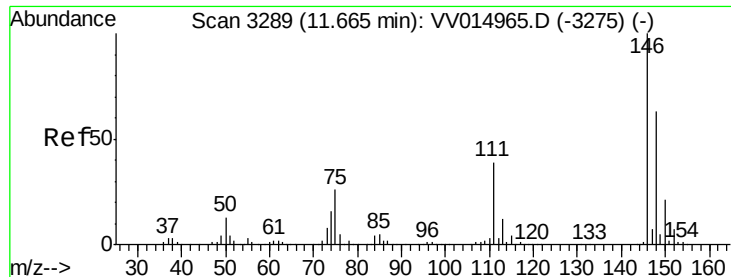


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 45.437 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV014968.D

Acq: 17 Mar 2020 12:58

Instrument :

MSVOA_V

ClientSampleId :

C0DD2DL

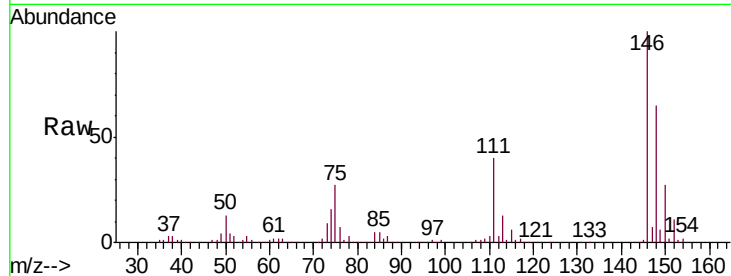
Tgt Ion:146 Resp: 249097

Ion Ratio Lower Upper

146 100

111 39.6 31.6 47.4

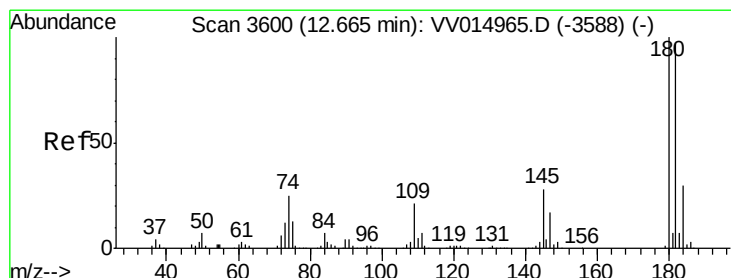
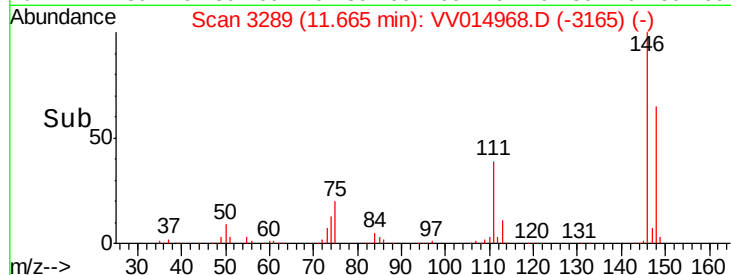
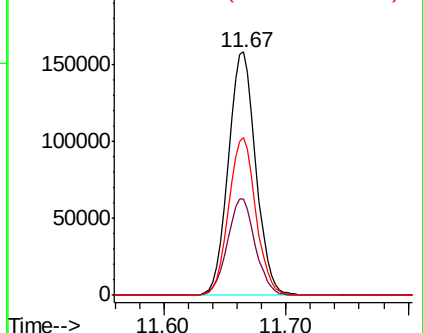
148 64.8 52.2 78.4



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



#67

1,3,5-Trichlorobenzene

Concen: 29.443 ug/L

RT: 13.28 min Scan# 3792

Delta R.T. 0.62 min

Lab File: VV014968.D

Acq: 17 Mar 2020 12:58

Tgt Ion:180 Resp: 126692

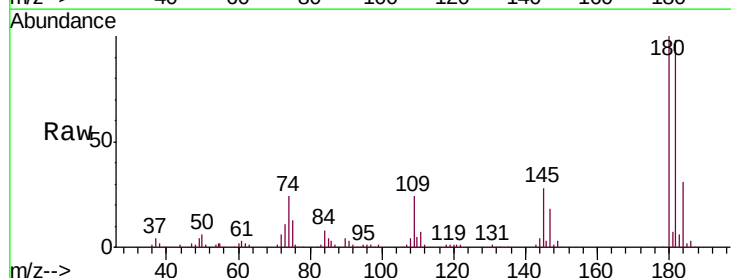
Ion Ratio Lower Upper

180 100

182 98.3 75.7 113.5

184 31.0 24.2 36.4

145 27.8 22.0 33.0

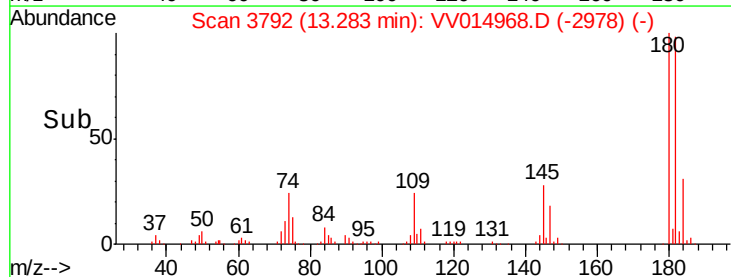
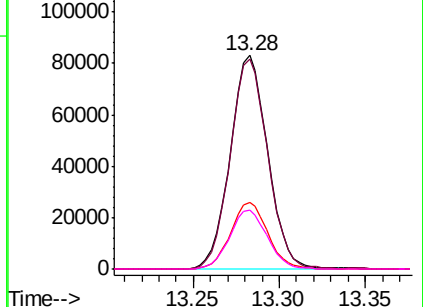


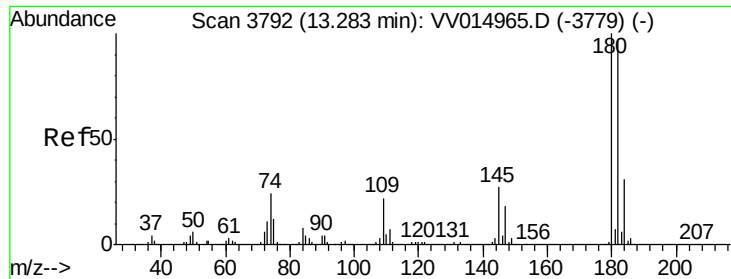
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

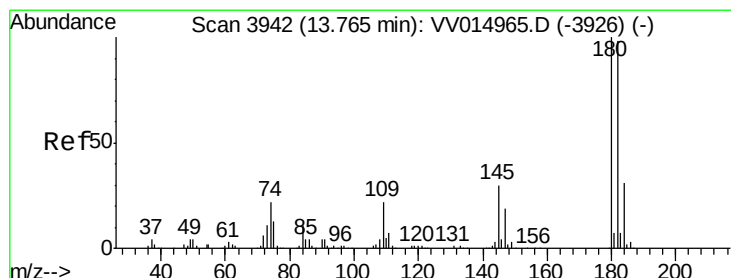
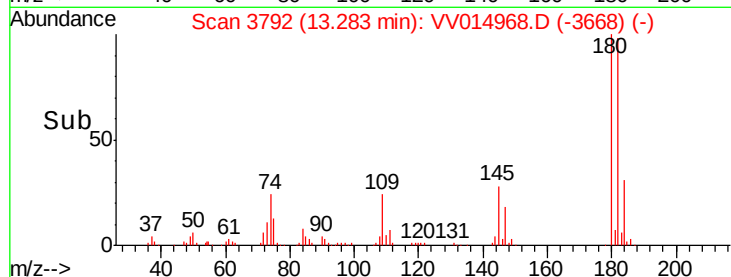
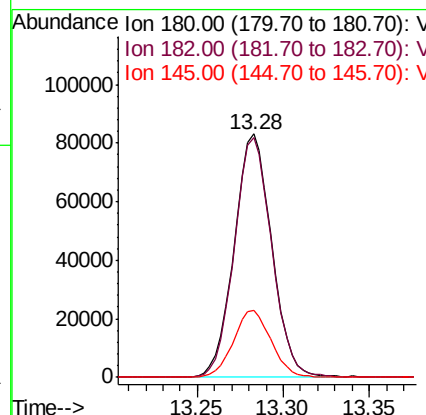
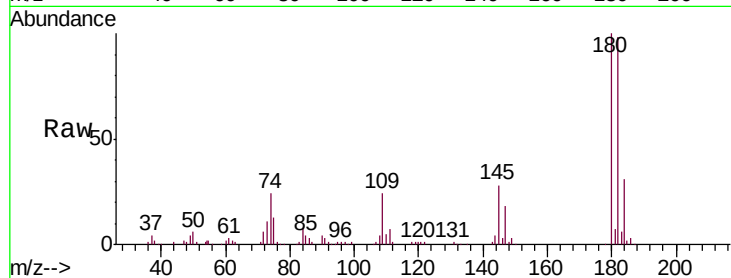




#68
 1,2,4-trichlorobenzene
 Concen: 33.034 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV014968.D
 Acq: 17 Mar 2020 12:58

Instrument :
 MSVOA_V
 ClientSampled :
 C0DD2DL

Tgt Ion:180 Resp: 126692
 Ion Ratio Lower Upper
 180 100
 182 98.3 76.3 114.5
 145 27.8 23.1 34.7



#70
 1,2,3-Trichlorobenzene
 Concen: 8.867 ug/L
 RT: 13.76 min Scan# 3942
 Delta R.T. -0.00 min
 Lab File: VV014968.D
 Acq: 17 Mar 2020 12:58

Tgt Ion:180 Resp: 33662
 Ion Ratio Lower Upper
 180 100
 182 96.5 76.2 114.4
 145 30.6 24.1 36.1

