

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040220\
 Data File : VV015366.D
 Acq On : 02 Apr 2020 11:58
 Operator : SY/MD
 Sample : L2005-06
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 03 01:32:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM040120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 03 01:25:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	765977	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	736807	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	361904	50.00	ug/L	0.00

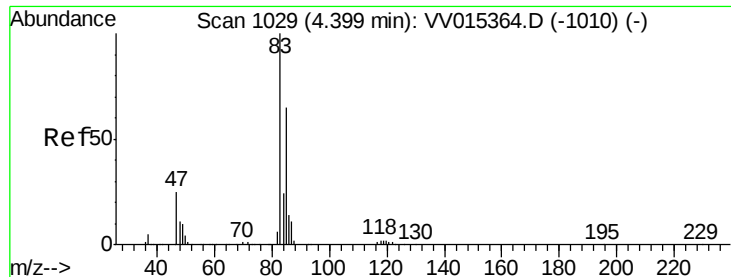
System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	218428	31.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	63.60%
7) Chloroethane-d5	1.58	69	195283	33.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	66.56%#
11) 1,1-Dichloroethene-d2	2.04	63	258	0.02	ug/L	-0.08
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.04%#
21) 2-Butanone-d5	3.94	46	259541	71.10	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	71.10%
24) Chloroform-d	4.37	84	406662	35.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	71.74%
26) 1,2-Dichloroethane-d4	5.06	65	260364	36.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	73.72%
32) Benzene-d6	5.07	84	849784	37.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	74.90%
36) 1,2-Dichloropropane-d6	6.09	67	250796	37.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	74.98%
41) Toluene-d8	7.33	98	835868	38.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.04%#
43) trans-1,3-Dichloropropene-	7.64	79	132229	35.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.54%
47) 2-Hexanone-d5	8.11	63	204890	67.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	67.06%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	358358	37.65	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	75.30%
64) 1,2-Dichlorobenzene-d4	11.65	152	326800	39.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.40%#

Target Compounds

					Ovalue
25) Chloroform	4.40	83	15817	1.532 ug/L	94
33) Benzene	5.13	78	107724	4.940 ug/L	100
48) 2-Hexanone	8.12	43	24083	4.227 ug/L #	82
51) Chlorobenzene	8.90	112	1225742	77.164 ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	156339	12.832 ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	673416	54.498 ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	789916	63.566 ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.42	75	3595	1.465 ug/L #	8
67) 1,3,5-Trichlorobenzene	12.67	180	6738	0.834 ug/L	97
68) 1,2,4-trichlorobenzene	13.29	180	1104280	149.723 ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	422269	55.581 ug/L	100

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



#25

Chloroform

Concen: 1.532 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV015366.D

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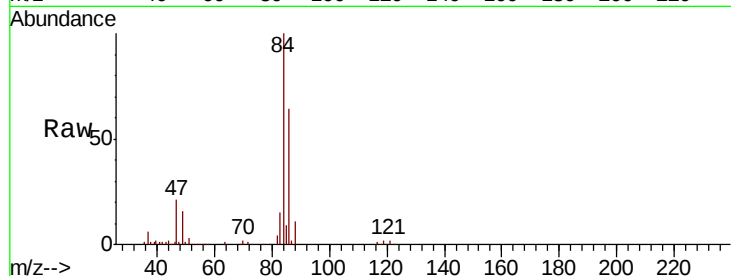
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 15817

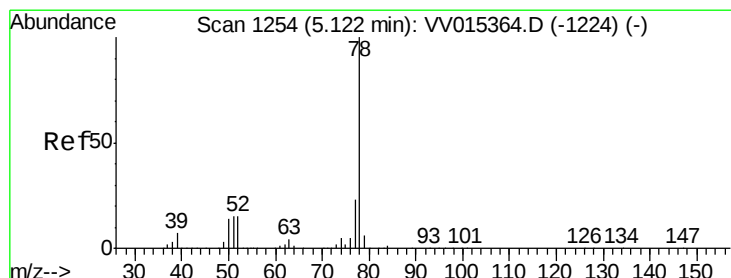
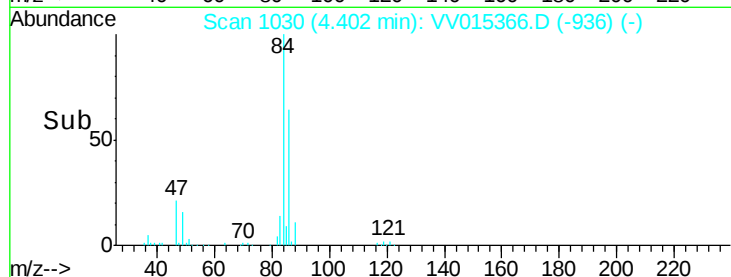
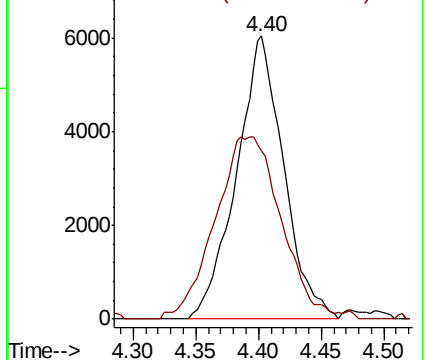
Ion Ratio Lower Upper

83 100

85 59.6 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0



#33

Benzene

Concen: 4.940 ug/L

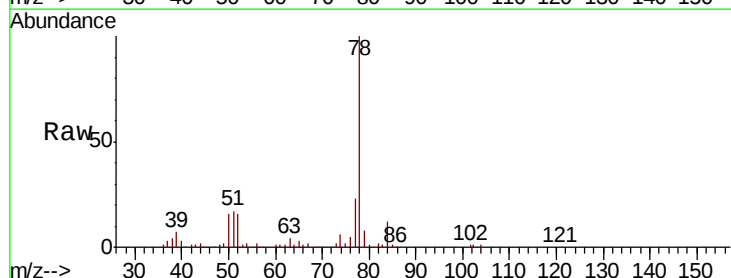
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

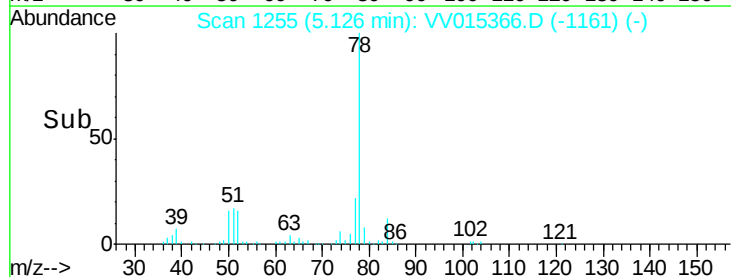
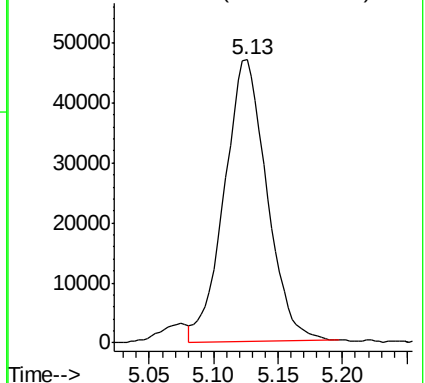
Lab File: VV015366.D

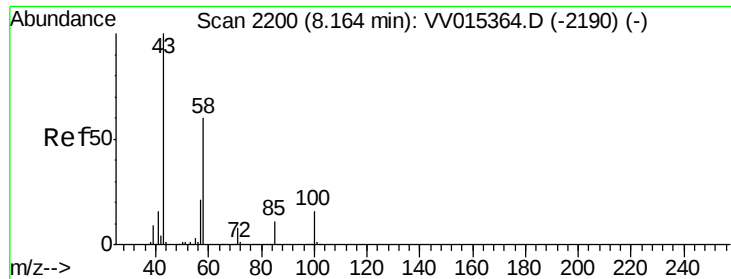
Acq: 02 Apr 2020 11:58

Tgt Ion: 78 Resp: 107724



Abundance Ion 78.00 (77.70 to 78.70): VV0

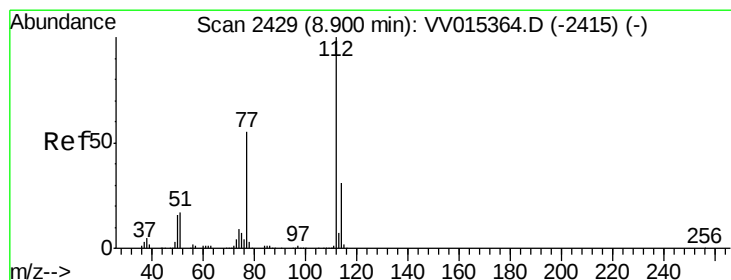
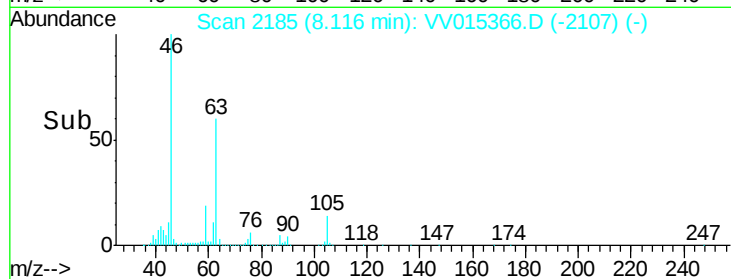
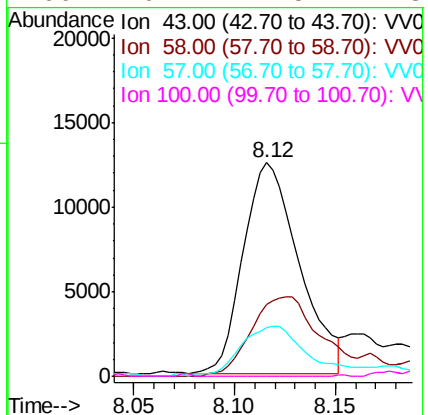
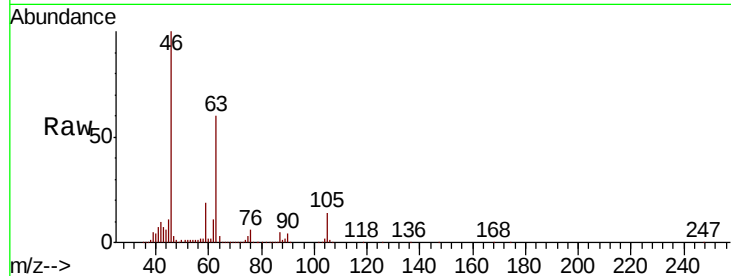




#48
2-Hexanone
Concen: 4.227 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.05 min
Lab File: VV015366.D
Acq: 02 Apr 2020 11:58

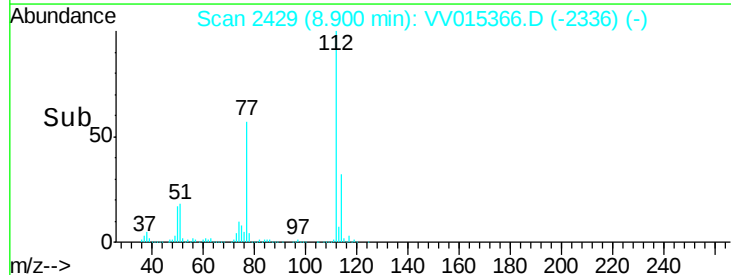
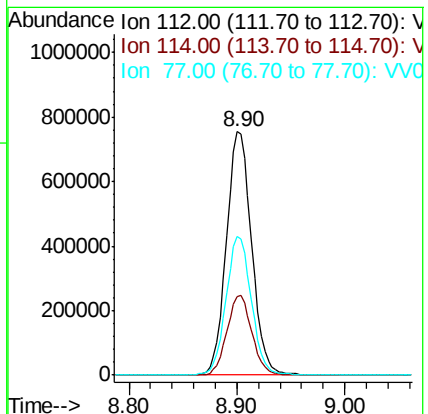
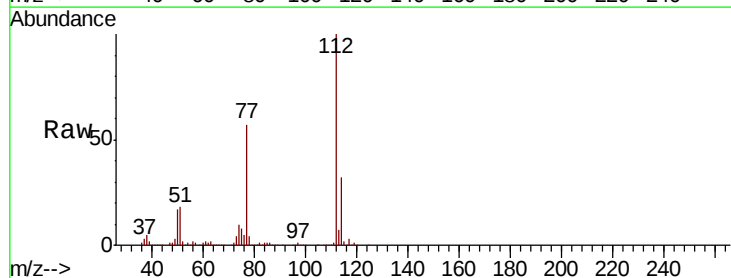
Instrument :
MSVOA_V
ClientSampleId :

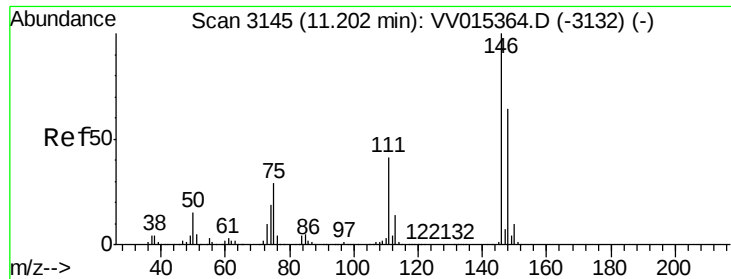
Tot Ion: 43 Resp: 24083
Ion Ratio Lower Upper
43 100
58 46.5 47.4 71.2#
57 25.8 16.7 25.1#
100 0.2 11.5 17.3#



#51
Chlorobenzene
Concen: 77.164 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV015366.D
Acq: 02 Apr 2020 11:58

Tgt Ion: 112 Resp: 1225742
Ion Ratio Lower Upper
112 100
114 32.3 21.8 40.4
77 57.0 46.2 69.2





#62

1,3-Dichlorobenzene

Concen: 12.832 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015366.D

Acq: 02 Apr 2020 11:58

Instrument :

MSVOA_V

ClientSampled :

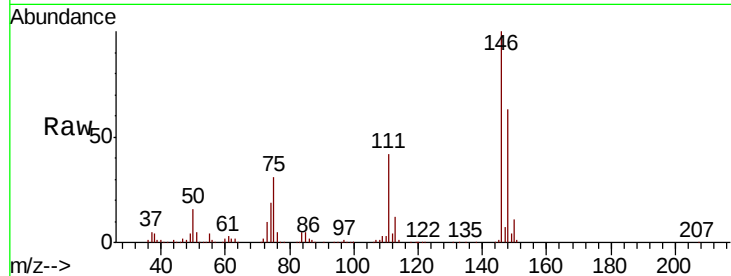
Tot Ion:146 Resp: 156339

Ion Ratio Lower Upper

146 100

111 42.3 30.2 56.2

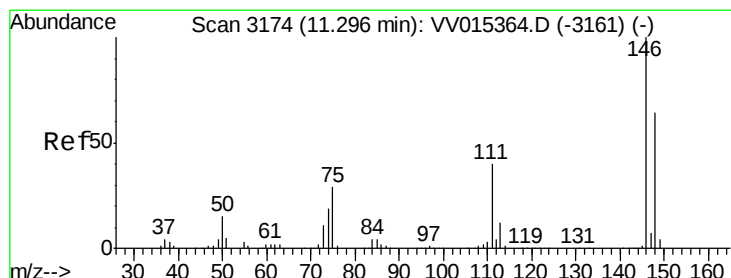
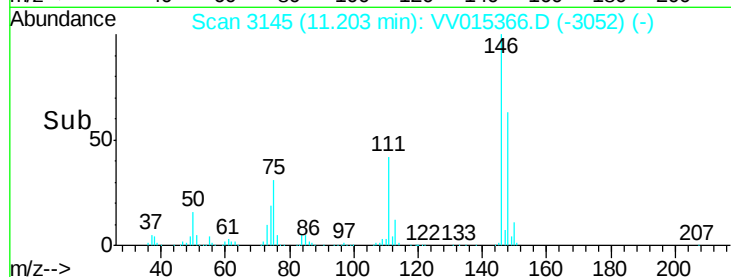
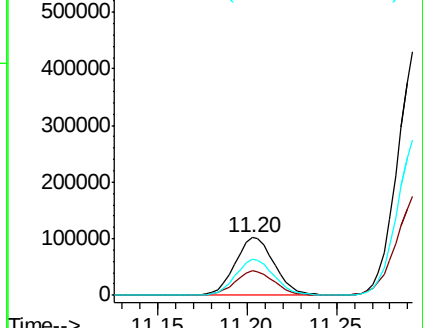
148 62.7 44.7 83.1



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: 54.498 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015366.D

Acq: 02 Apr 2020 11:58

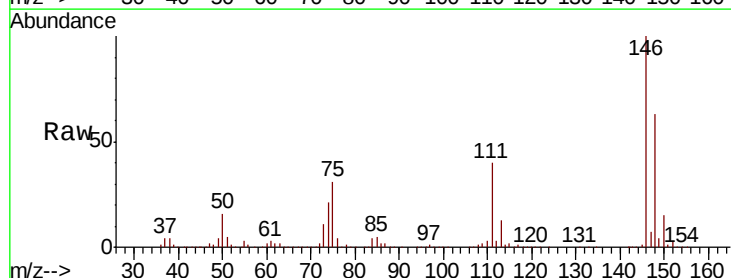
Tgt Ion:146 Resp: 673416

Ion Ratio Lower Upper

146 100

111 40.4 29.3 54.5

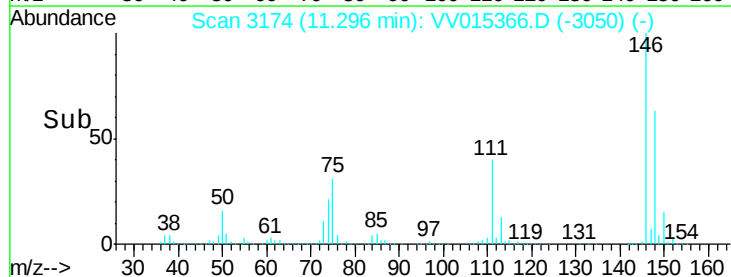
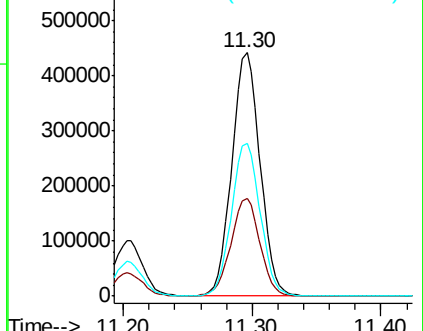
148 62.9 44.7 82.9

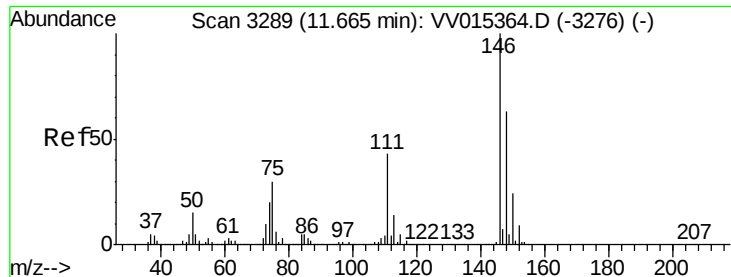


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 63.566 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015366.D

Acq: 02 Apr 2020 11:58

Instrument :

MSVOA_V

ClientSampleId :

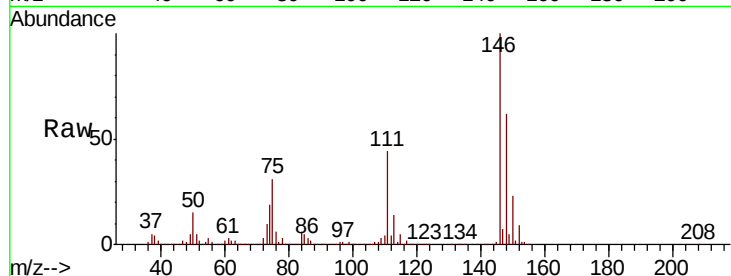
Tot Ion:146 Resp: 789916

Ion Ratio Lower Upper

146 100

111 43.8 35.1 52.7

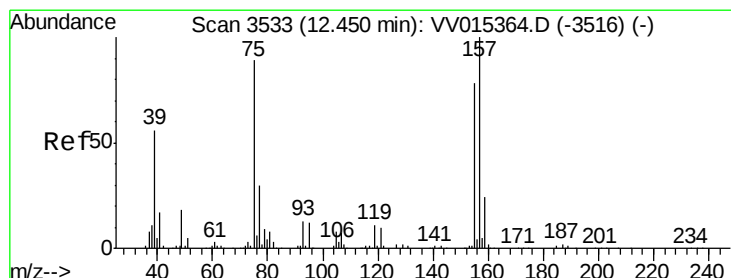
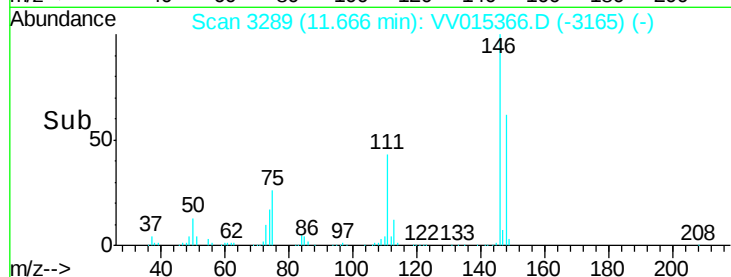
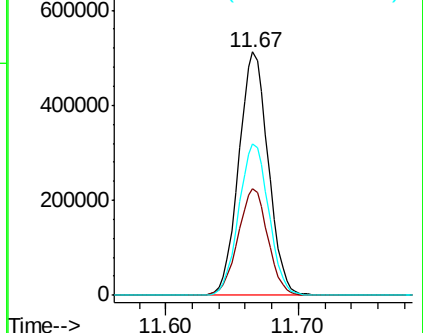
148 62.3 51.0 76.4



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



#66

1,2-Dibromo-3-chloropropane

Concen: 1.465 ug/L

RT: 12.42 min Scan# 3524

Delta R.T. -0.03 min

Lab File: VV015366.D

Acq: 02 Apr 2020 11:58

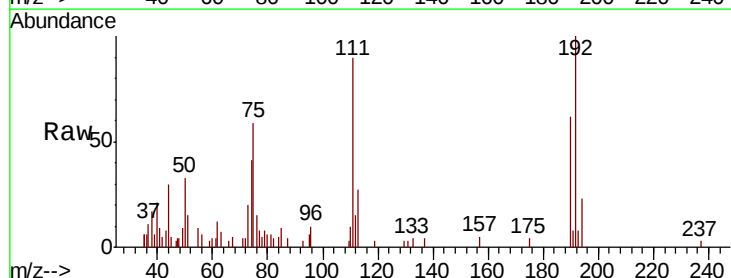
Tgt Ion: 75 Resp: 3595

Ion Ratio Lower Upper

75 100

155 0.0 64.5 96.7#

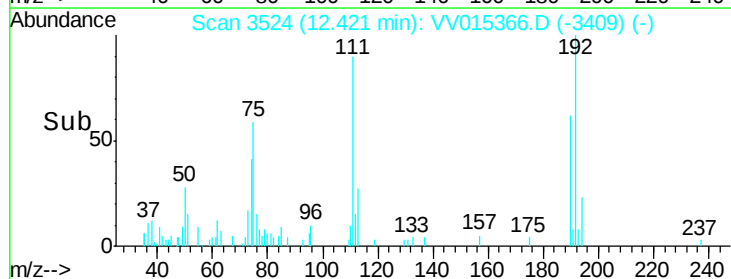
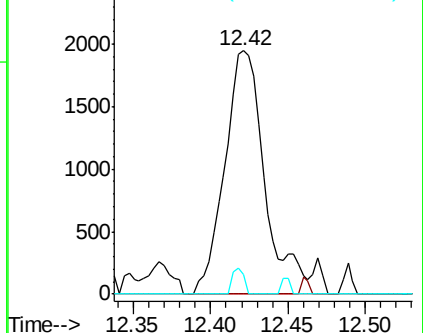
157 7.9 79.8 119.6#

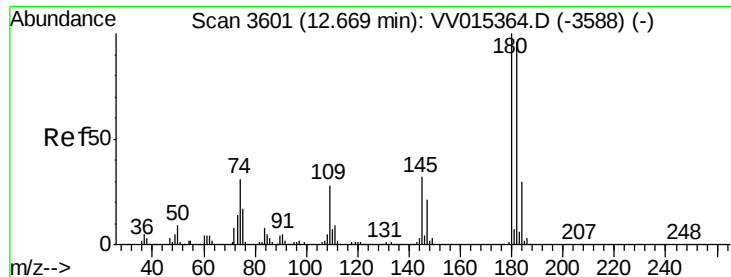


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

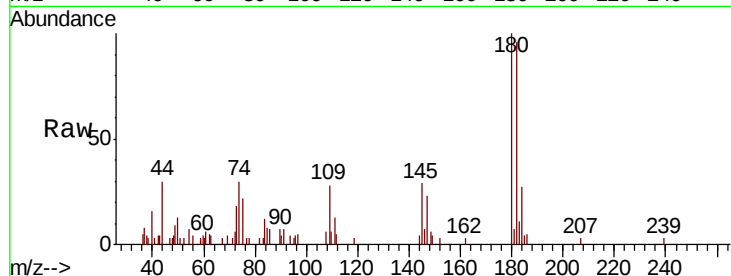




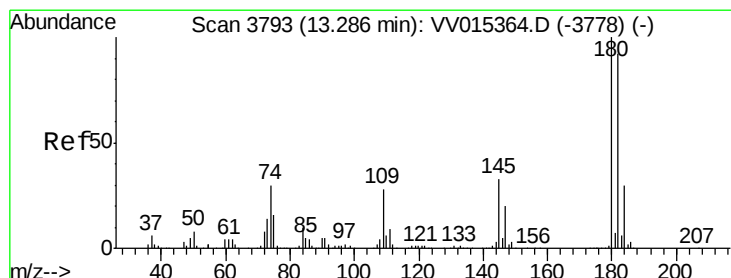
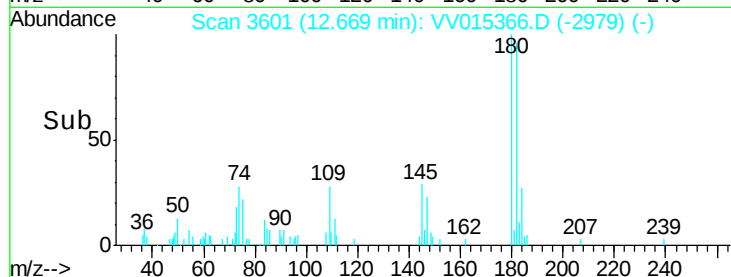
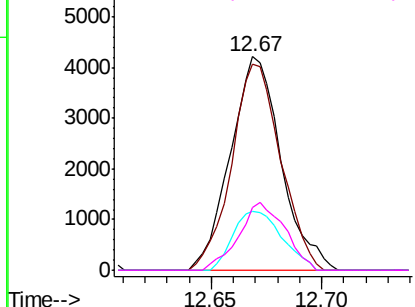
#67
 1,3,5-Trichlorobenzene
 Concen: 0.834 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015366.D
 Acq: 02 Apr 2020 11:58

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 6738
 Ion Ratio Lower Upper
 180 100
 182 93.3 74.7 112.1
 184 26.8 23.7 35.5
 145 29.0 26.8 40.2

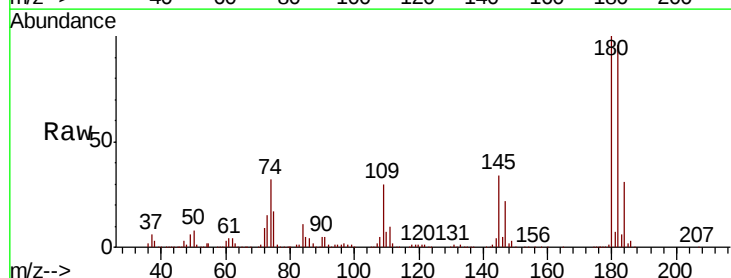


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

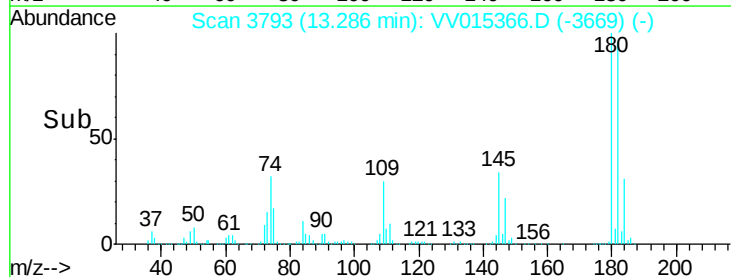
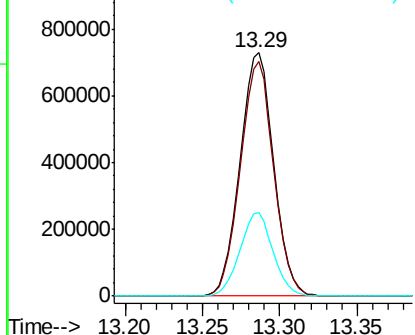


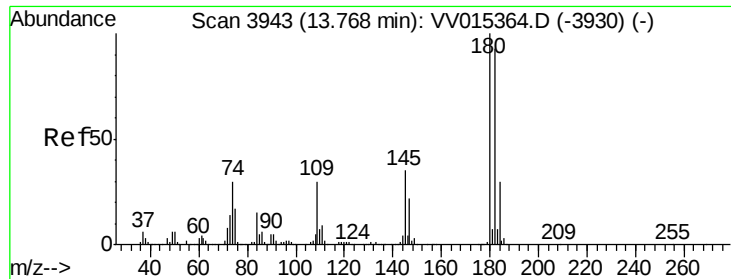
#68
 1,2,4-trichlorobenzene
 Concen: 149.723 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015366.D
 Acq: 02 Apr 2020 11:58

Tgt Ion:180 Resp: 1104280
 Ion Ratio Lower Upper
 180 100
 182 95.4 75.8 113.8
 145 33.7 27.7 41.5



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: 55.581 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV015366.D
 Acq: 02 Apr 2020 11:58

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.1	114.1
145	36.1	28.2	42.4

