

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040120\
 Data File : VV015350.D
 Acq On : 01 Apr 2020 23:04
 Operator : SY/MD
 Sample : L2005-01 50X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 02 03:31:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM040120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 02 03:22:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	719357	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	692288	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	323668	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	163656	25.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	50.74%#
7) Chloroethane-d5	1.58	69	165868	30.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	60.20%#
11) 1,1-Dichloroethene-d2	2.12	63	267176	23.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	46.34%#
21) 2-Butanone-d5	3.94	46	315949	92.16	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.16%
24) Chloroform-d	4.38	84	390780	36.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	73.40%
26) 1,2-Dichloroethane-d4	5.06	65	252529	38.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.14%
32) Benzene-d6	5.08	84	774139	36.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	72.62%
36) 1,2-Dichloropropane-d6	6.09	67	240381	38.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	76.48%
41) Toluene-d8	7.34	98	738813	36.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	72.48%#
43) trans-1,3-Dichloropropene-	7.64	79	110575	31.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.68%
47) 2-Hexanone-d5	8.12	63	242212	84.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.37%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	370049	41.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.76%
64) 1,2-Dichlorobenzene-d4	11.65	152	304400	41.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.68%

Target Compounds

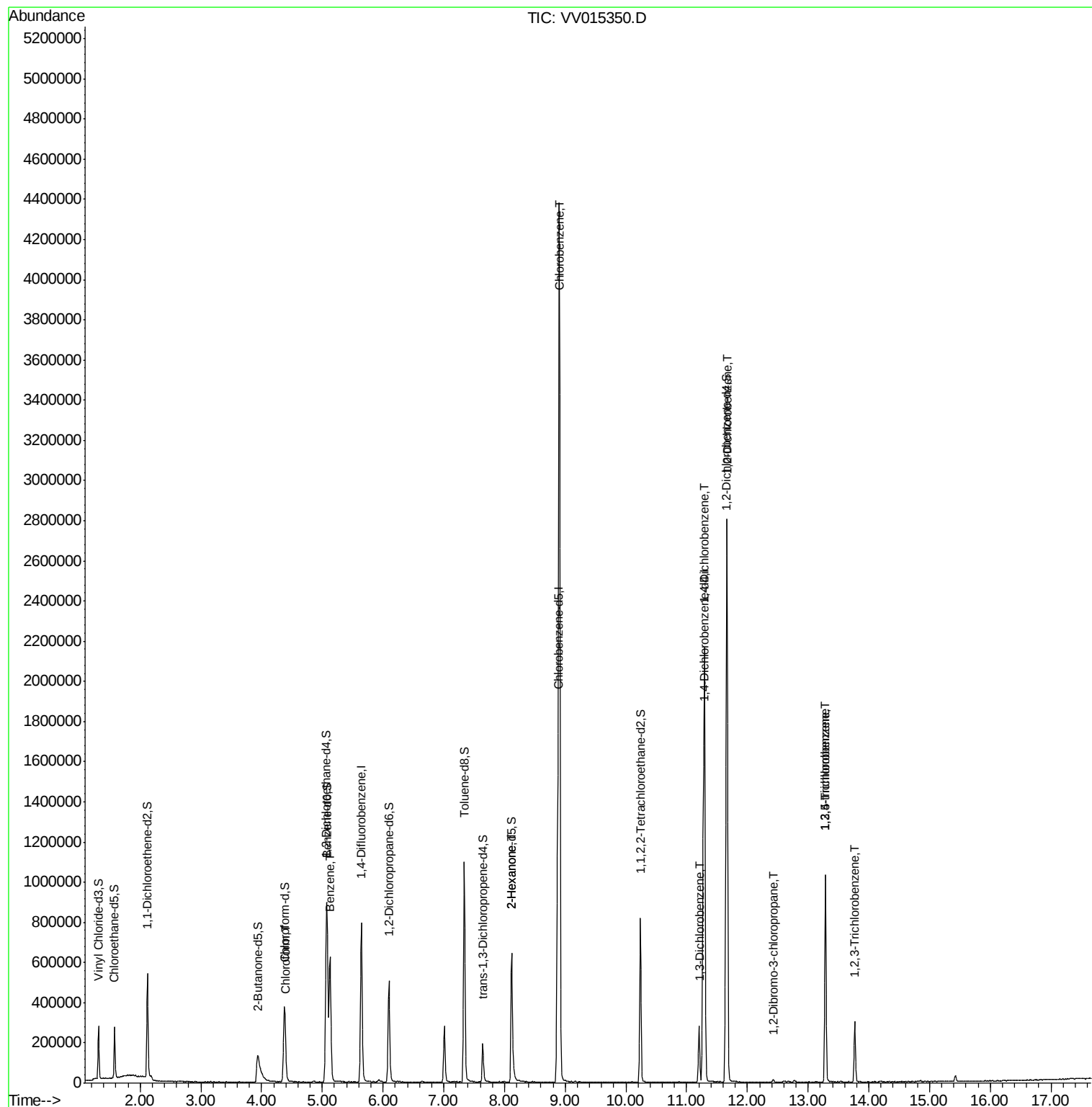
					Ovalue
25) Chloroform	4.41	83	10363	1.069	ug/L 99
33) Benzene	5.13	78	645926	31.523	ug/L 100
48) 2-Hexanone	8.12	43	28921	5.402	ug/L # 86
51) Chlorobenzene	8.90	112	2384314	159.753	ug/L 98
62) 1,3-Dichlorobenzene	11.21	146	108684	9.974	ug/L 97
63) 1,4-Dichlorobenzene	11.30	146	817832	74.004	ug/L 99
65) 1,2-Dichlorobenzene	11.67	146	1000488	90.022	ug/L 100
66) 1,2-Dibromo-3-chloropropan	12.42	75	2282	1.040	ug/L # 4
67) 1,3,5-Trichlorobenzene	13.29	180	291620	40.383	ug/L 98
68) 1,2,4-trichlorobenzene	13.29	180	291620	44.210	ug/L 99
70) 1,2,3-Trichlorobenzene	13.77	180	82844	12.192	ug/L 99

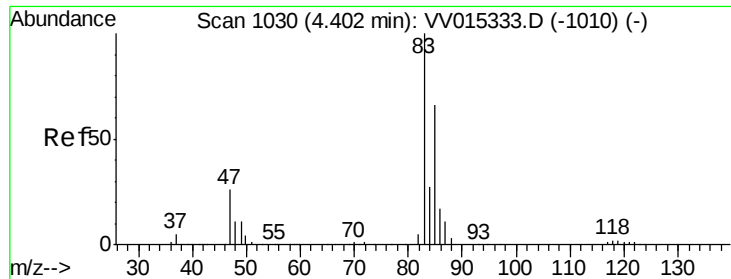
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :

Quant Time: Apr 02 03:31:45 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM040120WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 02 03:22:54 2020
Response via : Initial Calibration

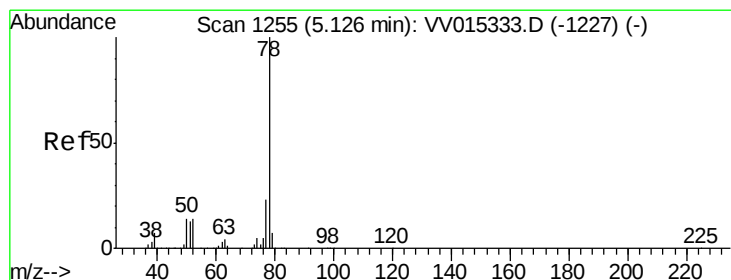
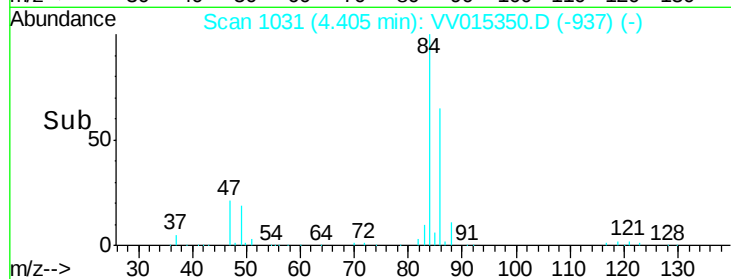
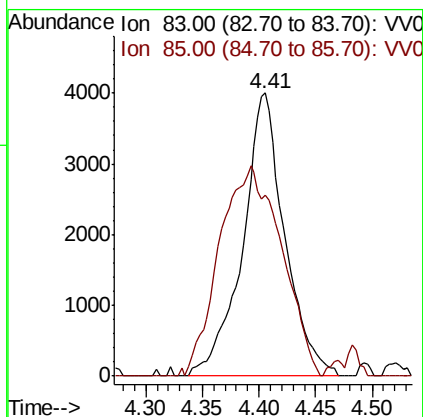
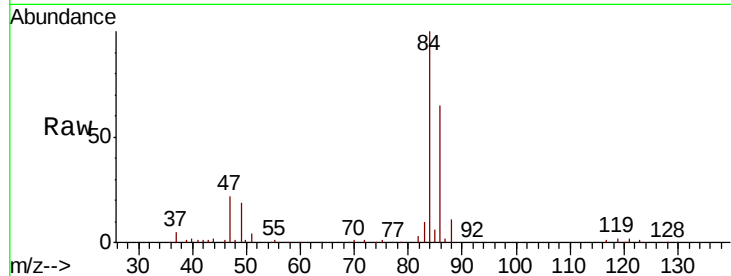




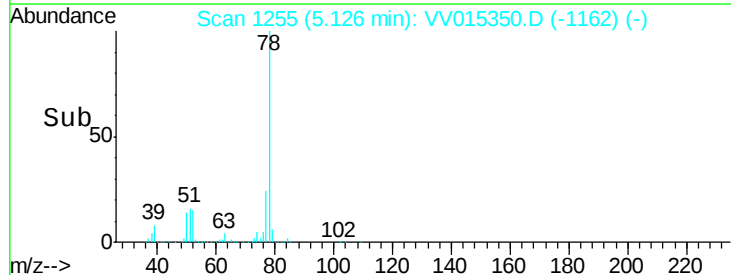
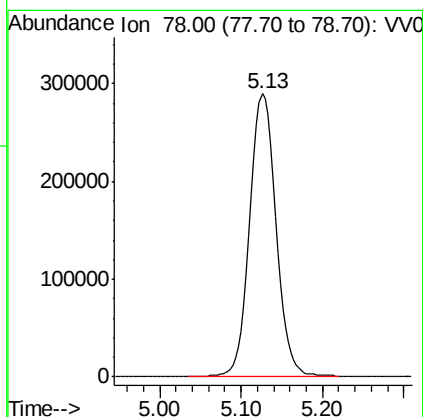
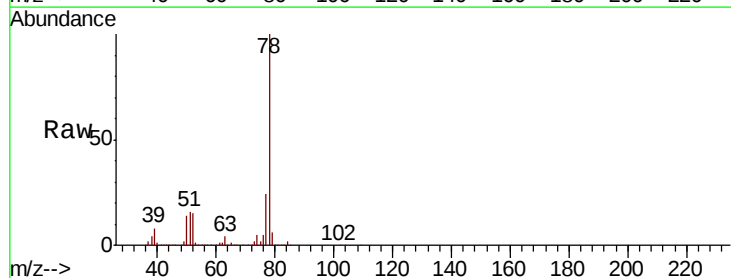
#25
Chloroform
Concen: 1.069 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV015350.D
Acq: 01 Apr 2020 23:04

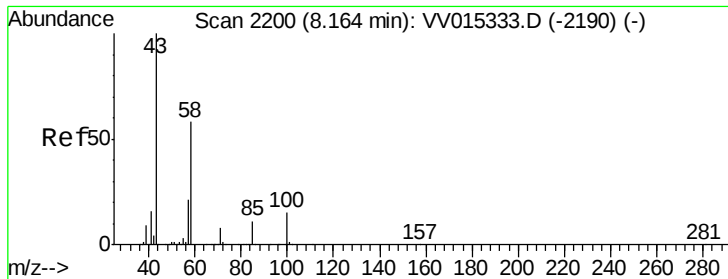
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 10363
Ion Ratio Lower Upper
83 100
85 63.7 45.1 83.9



#33
Benzene
Concen: 31.523 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VV015350.D
Acq: 01 Apr 2020 23:04
Tgt Ion: 78 Resp: 645926

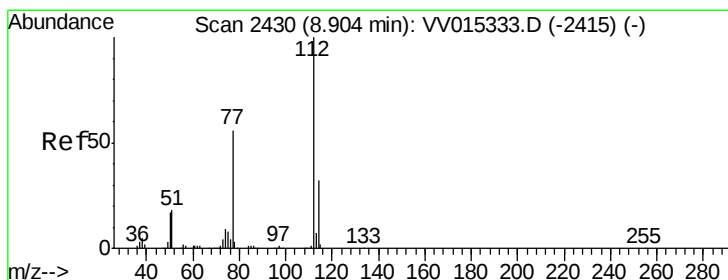
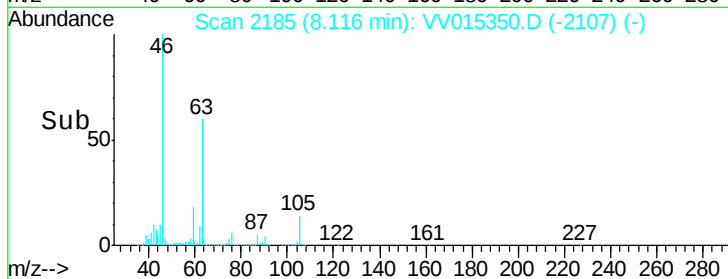
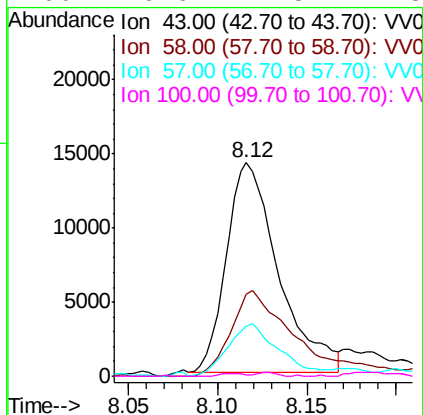
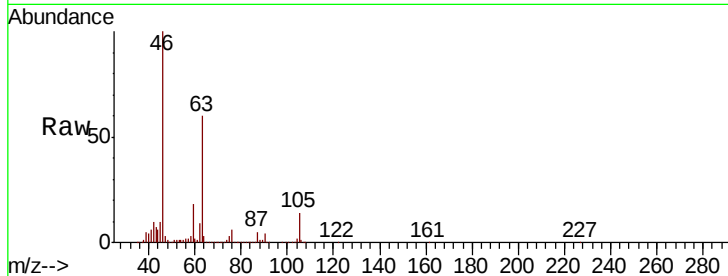




#48
2-Hexanone
Concen: 5.402 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.05 min
Lab File: VV015350.D
Acq: 01 Apr 2020 23:04

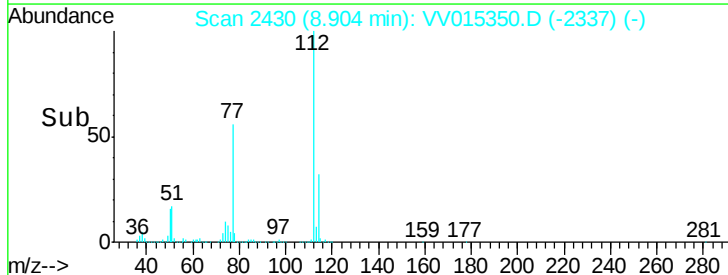
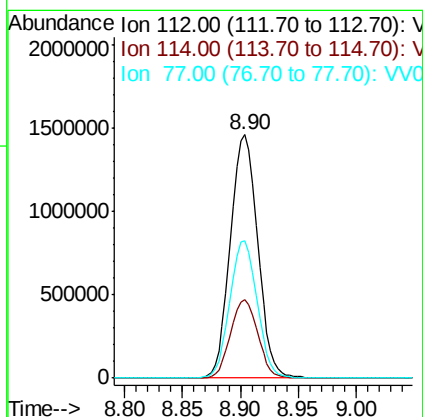
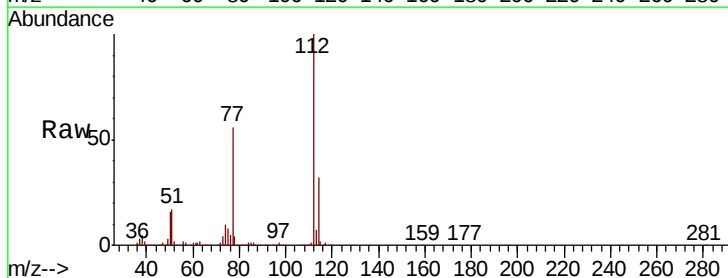
Instrument :
MSVOA_V
ClientSampleId :

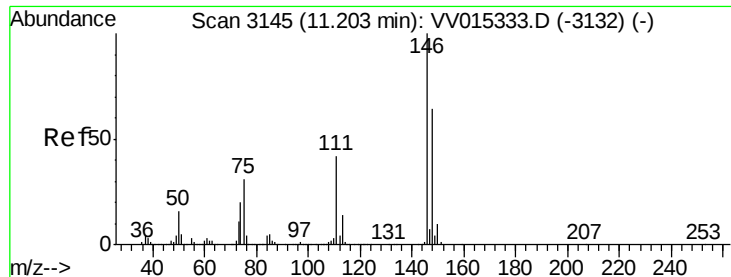
Tot Ion: 43 Resp: 28921
Ion Ratio Lower Upper
43 100
58 50.5 47.4 71.2
57 24.6 16.7 25.1
100 0.6 11.5 17.3#



#51
Chlorobenzene
Concen: 159.753 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV015350.D
Acq: 01 Apr 2020 23:04

Tgt Ion: 112 Resp: 2384314
Ion Ratio Lower Upper
112 100
114 32.2 21.8 40.4
77 56.4 46.2 69.2





#62

1,3-Dichlorobenzene

Concen: 9.974 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV015350.D

Acq: 01 Apr 2020 23:04

Instrument :

MSVOA_V

ClientSampleId :

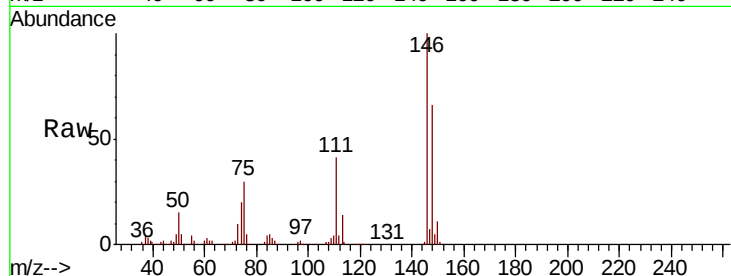
Tot Ion:146 Resp: 108684

Ion Ratio Lower Upper

146 100

111 41.1 30.2 56.2

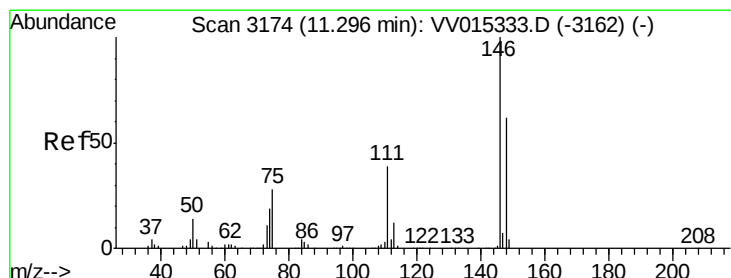
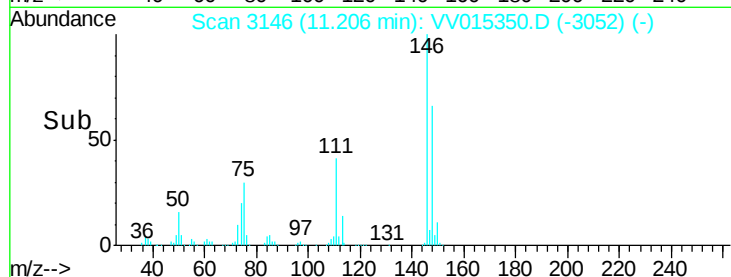
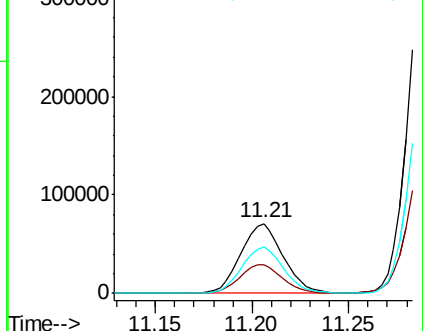
148 65.9 44.7 83.1



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: 74.004 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV015350.D

Acq: 01 Apr 2020 23:04

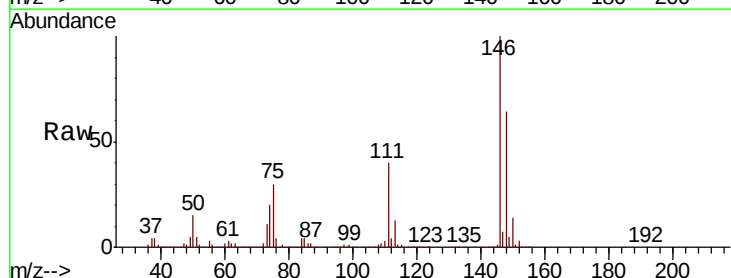
Tgt Ion:146 Resp: 817832

Ion Ratio Lower Upper

146 100

111 39.6 29.3 54.5

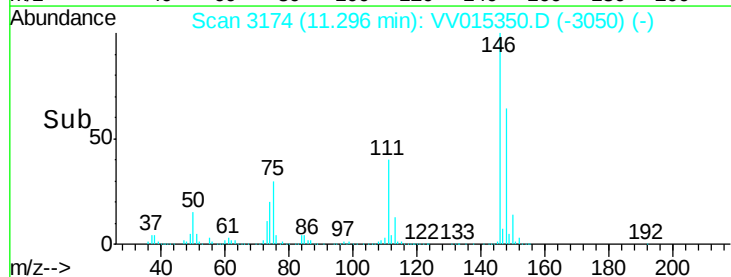
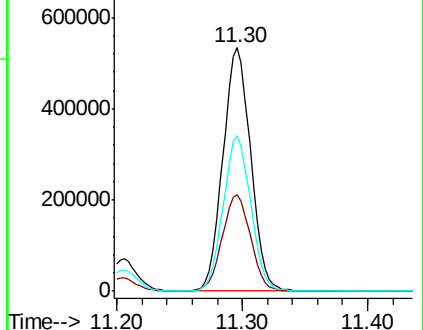
148 63.8 44.7 82.9

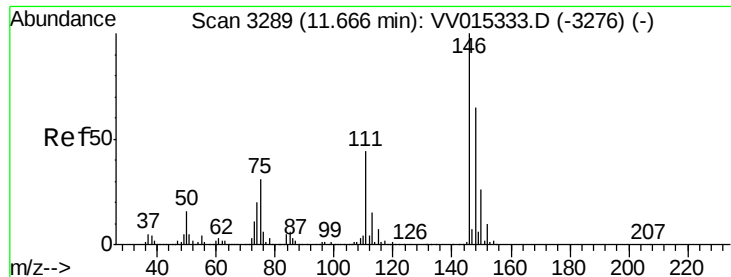


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 90.022 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV015350.D

Acq: 01 Apr 2020 23:04

Instrument :

MSVOA_V

ClientSampleId :

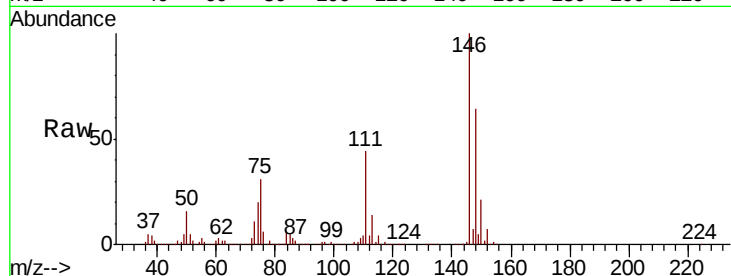
Tot Ion:146 Resp: 1000488

Ion Ratio Lower Upper

146 100

111 43.5 35.1 52.7

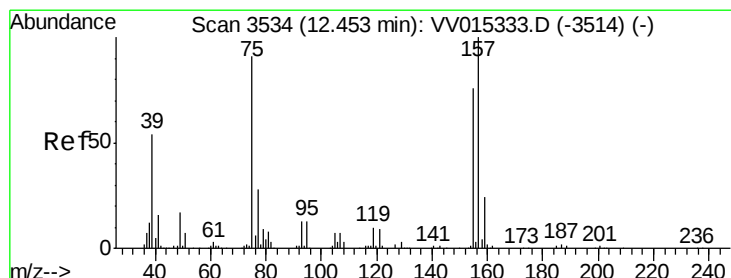
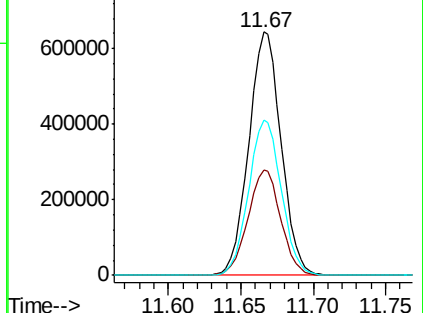
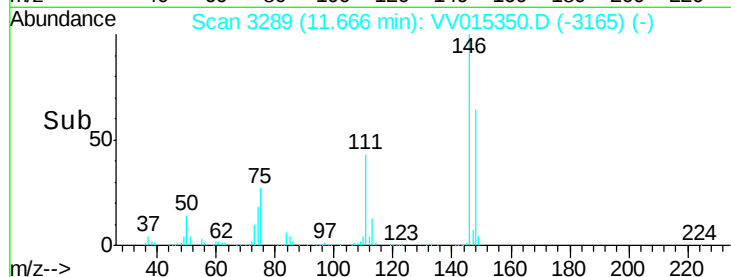
148 63.9 51.0 76.4



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: 1.040 ug/L

RT: 12.42 min Scan# 3525

Delta R.T. -0.03 min

Lab File: VV015350.D

Acq: 01 Apr 2020 23:04

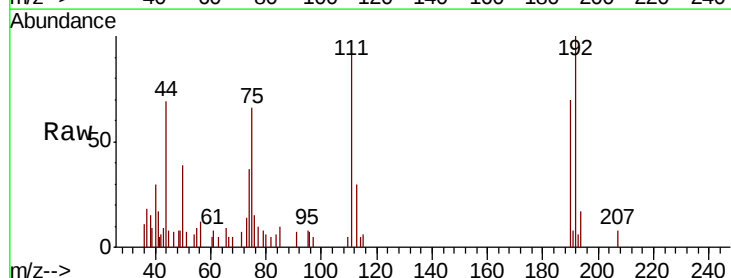
Tgt Ion: 75 Resp: 2282

Ion Ratio Lower Upper

75 100

155 0.0 64.5 96.7#

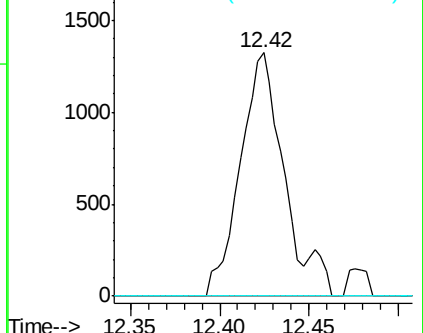
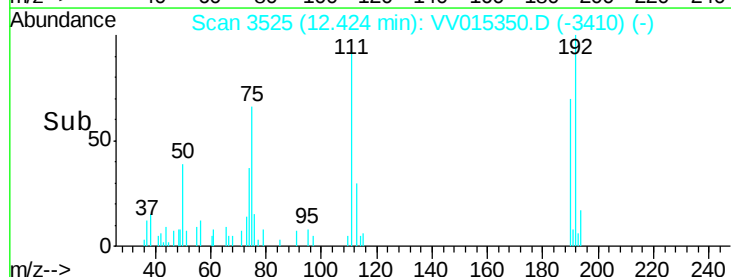
157 0.0 79.8 119.6#

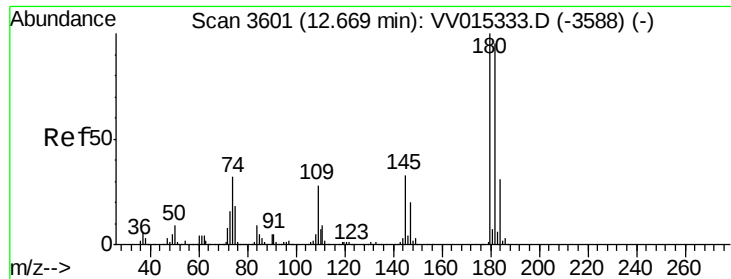


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

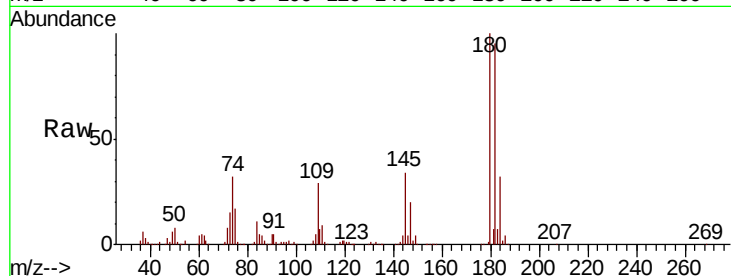




#67
 1,3,5-Trichlorobenzene
 Concen: 40.383 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.62 min
 Lab File: VV015350.D
 Acq: 01 Apr 2020 23:04

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	180	Resp	291620
Ion Ratio	Lower	Upper	
180	100		
182	95.2	74.7	112.1
184	31.2	23.7	35.5
145	33.9	26.8	40.2

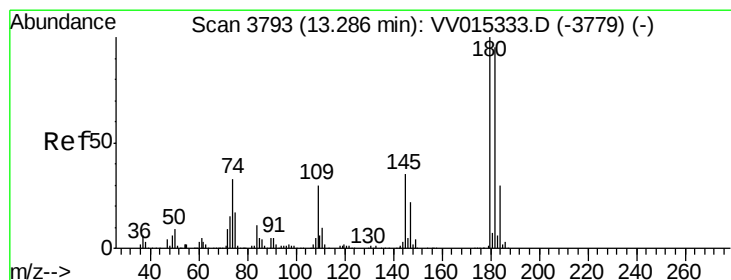
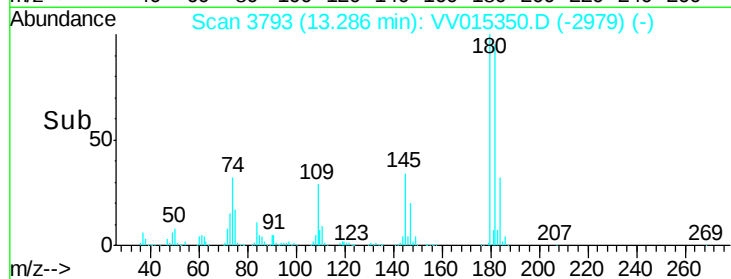
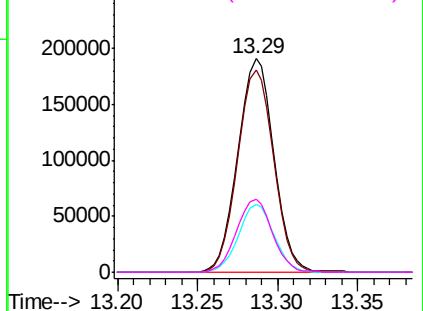


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

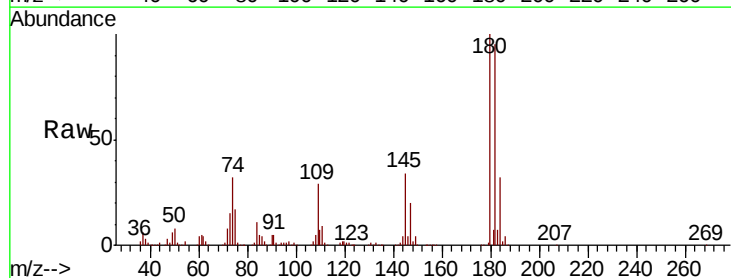
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 44.210 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015350.D
 Acq: 01 Apr 2020 23:04

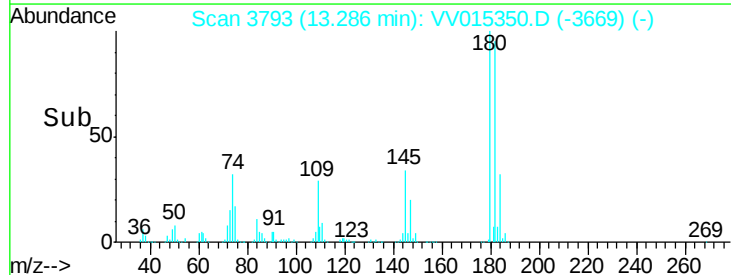
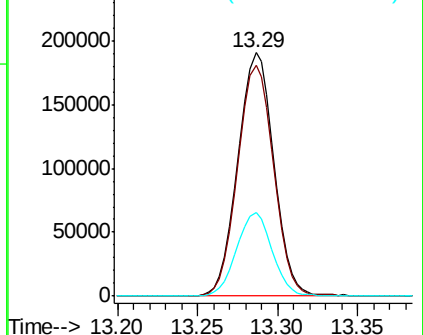
Tgt Ion	180	Resp	291620
Ion Ratio	Lower	Upper	
180	100		
182	95.2	75.8	113.8
145	33.9	27.7	41.5

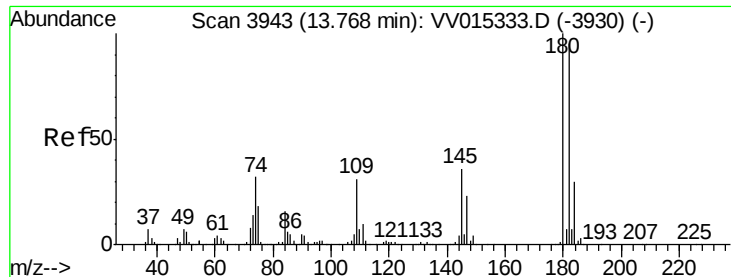


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#70

1,2,3-Trichlorobenzene

Concen: 12.192 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV015350.D

Acq: 01 Apr 2020 23:04

Instrument :

MSVOA_V

ClientSampleId :

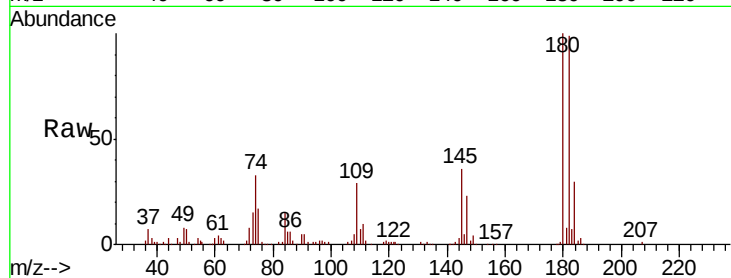
Tot Ion:180 Resp: 82844

Ion Ratio Lower Upper

180 100

182 96.4 76.1 114.1

145 35.8 28.2 42.4



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

