

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040120\
 Data File : VV015351.D
 Acq On : 01 Apr 2020 23:29
 Operator : SY/MD
 Sample : L2005-02 20X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 02 03:31:56 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	662617	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	632130	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	288513	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	160335	26.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	53.98%#
7) Chloroethane-d5	1.58	69	164475	32.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	64.82%#
11) 1,1-Dichloroethene-d2	2.12	63	255684	24.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	48.16%#
21) 2-Butanone-d5	3.94	46	294310	93.20	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.20%
24) Chloroform-d	4.38	84	374651	38.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.40%
26) 1,2-Dichloroethane-d4	5.06	65	249301	40.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.60%
32) Benzene-d6	5.07	84	738329	37.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.86%
36) 1,2-Dichloropropane-d6	6.09	67	235064	40.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.90%
41) Toluene-d8	7.34	98	679609	36.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	73.02%#
43) trans-1,3-Dichloropropene-	7.64	79	107044	33.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.50%
47) 2-Hexanone-d5	8.12	63	233716	89.16	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.16%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	362590	44.40	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	281476	42.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.78%

Target Compounds

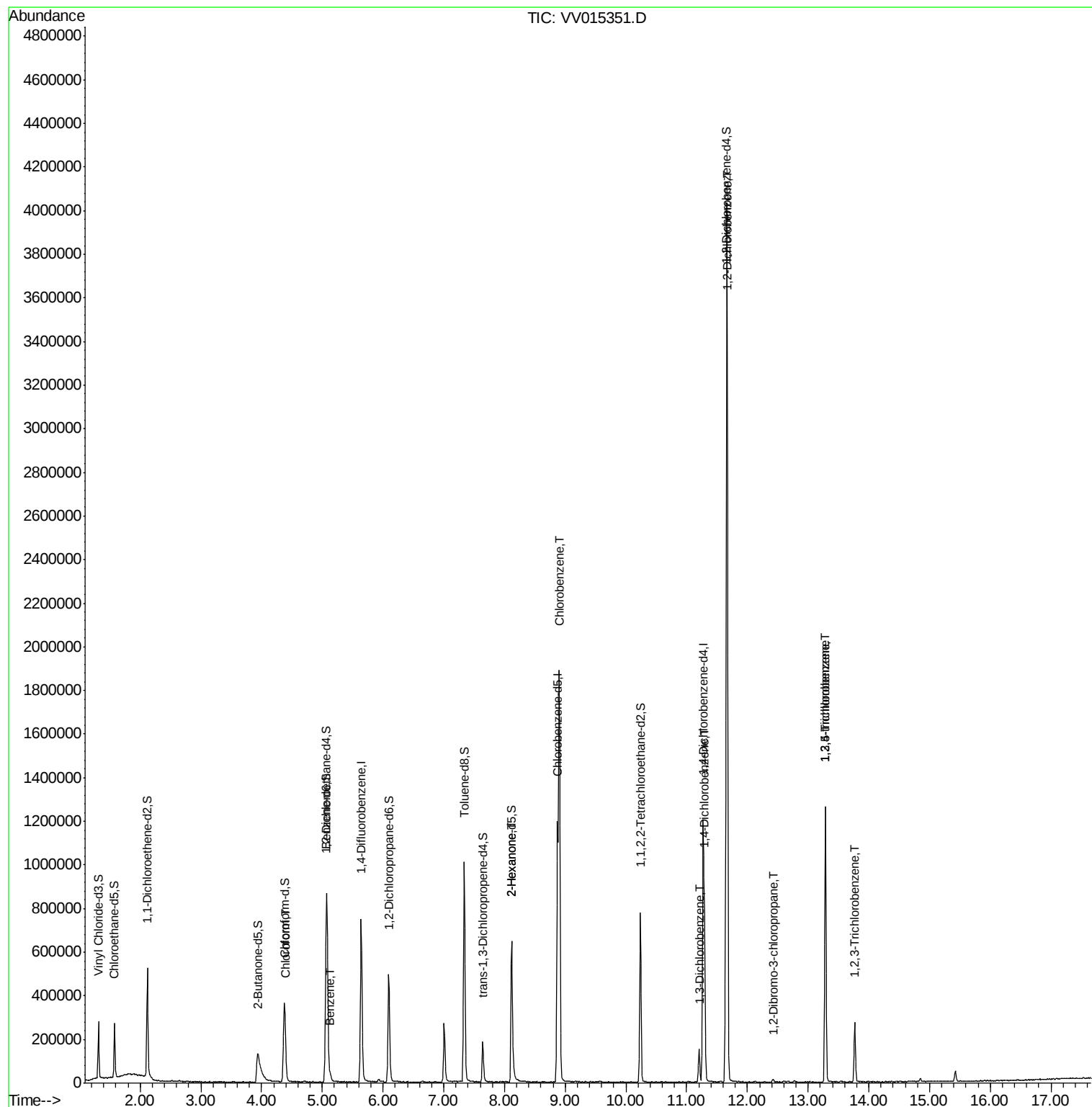
					Ovalue
25) Chloroform	4.40	83	8217	0.920	ug/L 92
33) Benzene	5.13	78	32135	1.718	ug/L 100
48) 2-Hexanone	8.11	43	31204	6.383	ug/L # 36
51) Chlorobenzene	8.90	112	1020572	74.888	ug/L 98
62) 1,3-Dichlorobenzene	11.21	146	61161	6.297	ug/L 99
63) 1,4-Dichlorobenzene	11.30	146	276946	28.114	ug/L 98
65) 1,2-Dichlorobenzene	11.67	146	1507021	152.121	ug/L 99
66) 1,2-Dibromo-3-chloropropan	12.42	75	2336	1.194	ug/L # 4
67) 1,3,5-Trichlorobenzene	13.29	180	358079	55.628	ug/L 99
68) 1,2,4-trichlorobenzene	13.29	180	358079	60.900	ug/L 99
70) 1,2,3-Trichlorobenzene	13.77	180	78334	12.933	ug/L 99

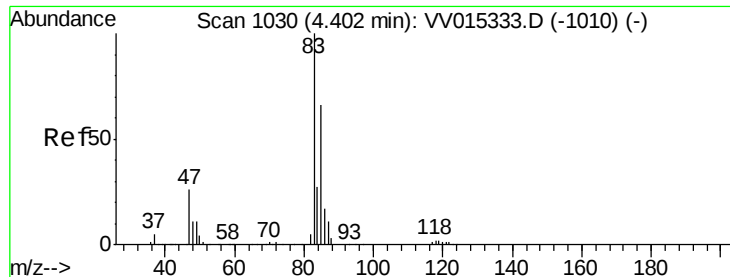
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 02 03:31:56 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

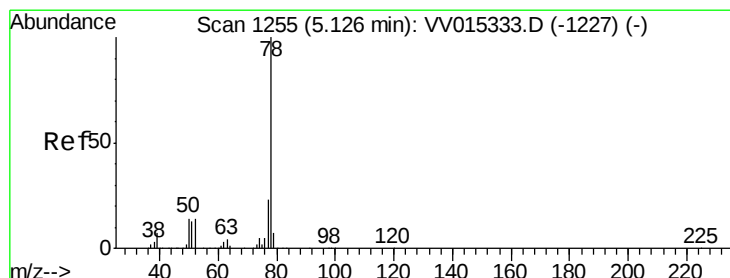
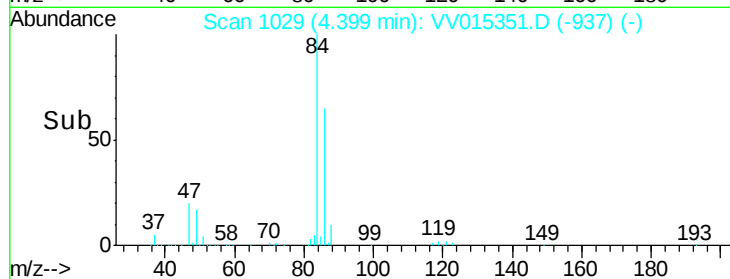
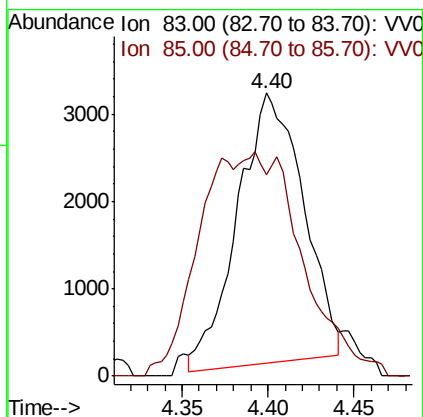
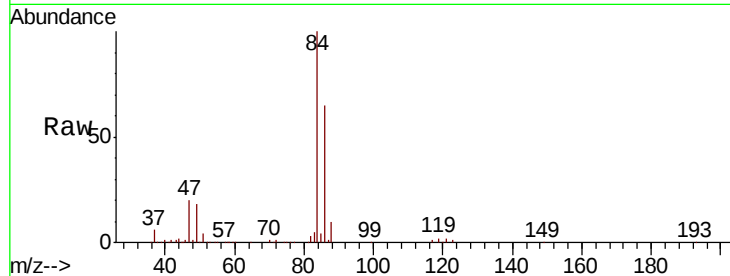




#25
Chloroform
Concen: 0.920 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV015351.D
Acq: 01 Apr 2020 23:29

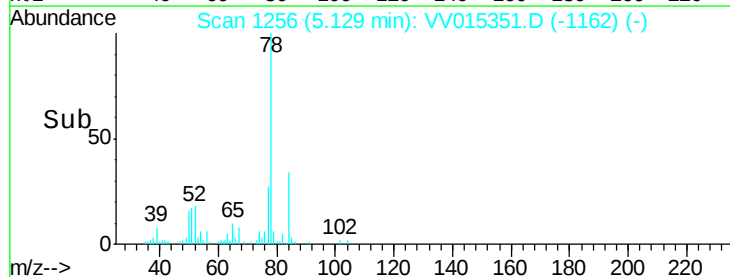
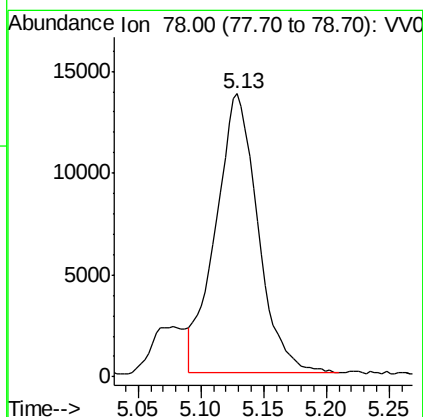
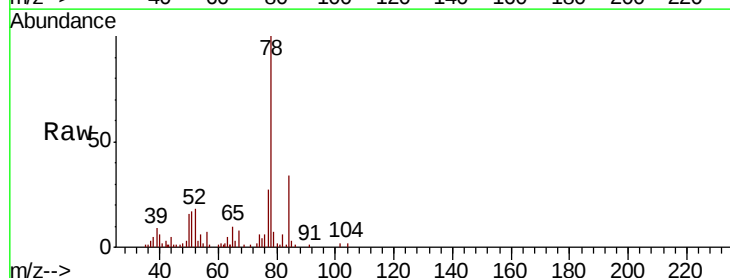
Instrument :
MSVOA_V
ClientSampleId :

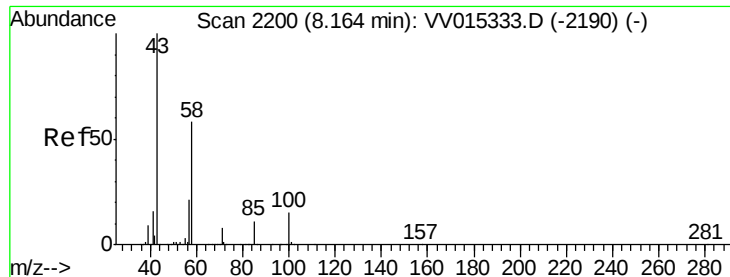
Tot Ion: 83 Resp: 8217
Ion Ratio Lower Upper
83 100
85 71.1 45.1 83.9



#33
Benzene
Concen: 1.718 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VV015351.D
Acq: 01 Apr 2020 23:29

Tgt Ion: 78 Resp: 32135

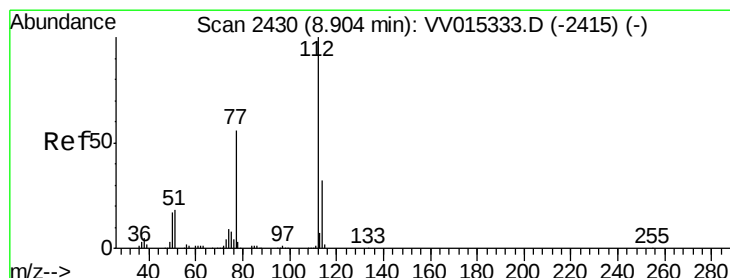
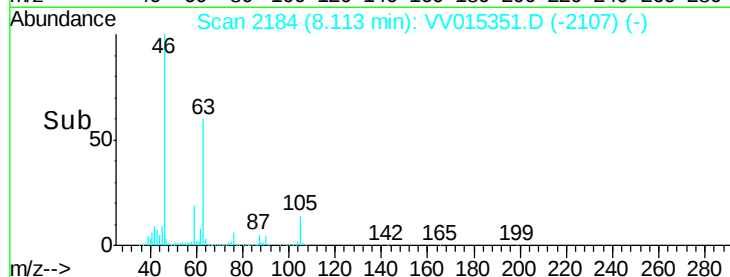
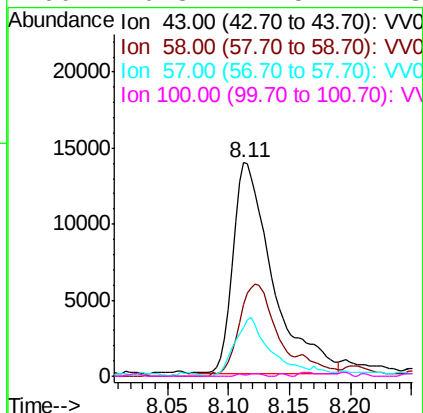
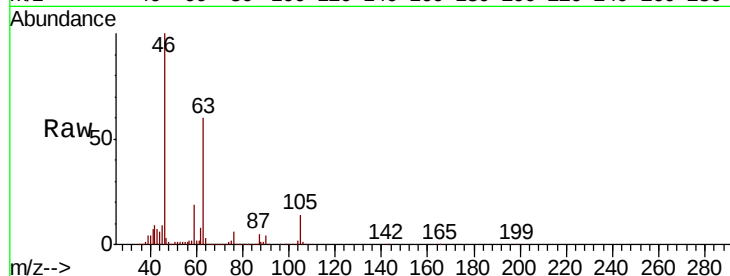




#48
2-Hexanone
Concen: 6.383 ug/L
RT: 8.11 min Scan# 2184
Delta R.T. -0.05 min
Lab File: VV015351.D
Acq: 01 Apr 2020 23:29

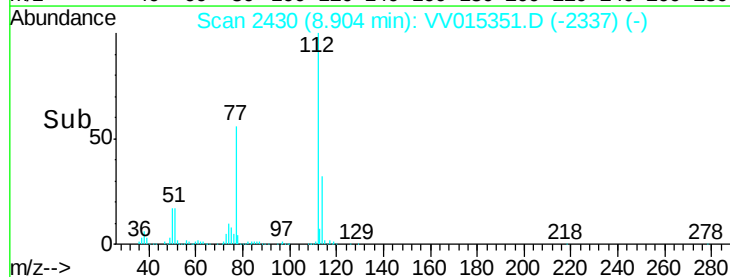
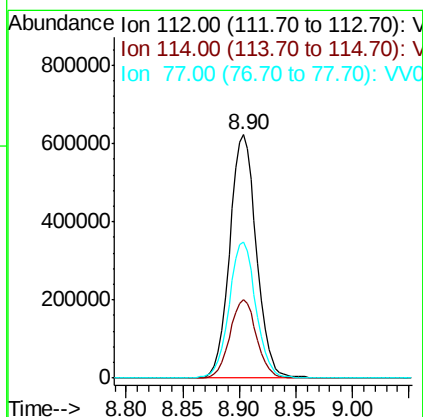
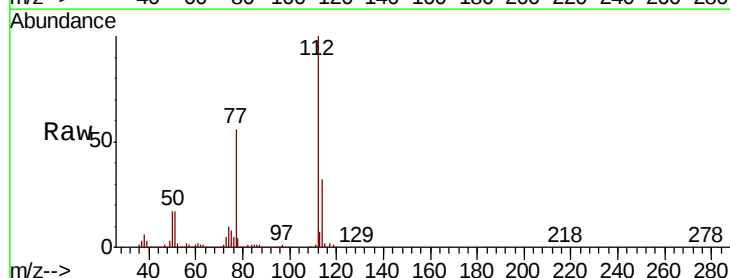
Instrument :
MSVOA_V
ClientSampleId :

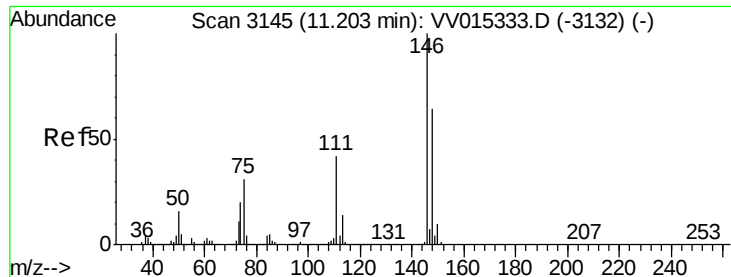
Tot Ion: 43 Resp: 31204
Ion Ratio Lower Upper
43 100
58 0.2 47.4 71.2#
57 0.8 16.7 25.1#
100 0.3 11.5 17.3#



#51
Chlorobenzene
Concen: 74.888 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV015351.D
Acq: 01 Apr 2020 23:29

Tgt Ion: 112 Resp: 1020572
Ion Ratio Lower Upper
112 100
114 32.0 21.8 40.4
77 56.0 46.2 69.2





#62

1,3-Dichlorobenzene

Concen: 6.297 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV015351.D

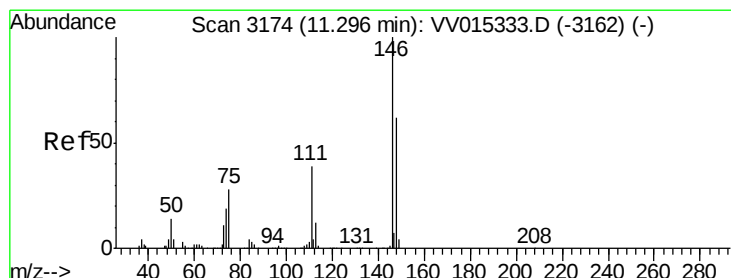
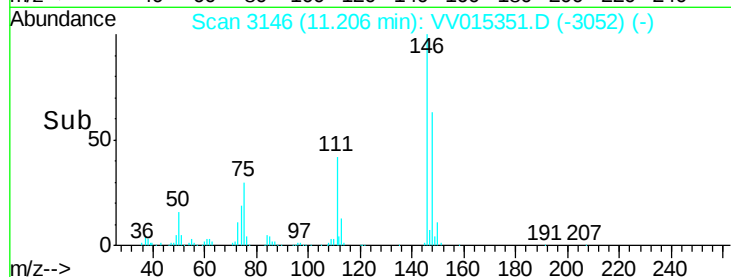
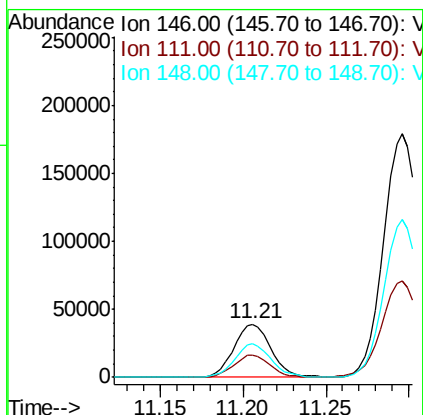
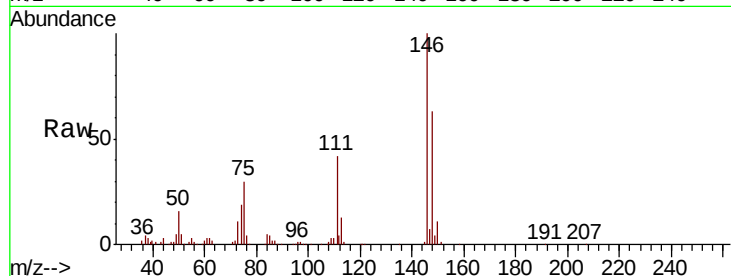
Acq: 01 Apr 2020 23:29

Instrument :

MSVOA_V

ClientSampled :

Tot Ion:146	Resp:	61161
Ion Ratio	Lower	Upper
146	100	
111	42.5	30.2 56.2
148	63.4	44.7 83.1



#63

1,4-Dichlorobenzene

Concen: 28.114 ug/L

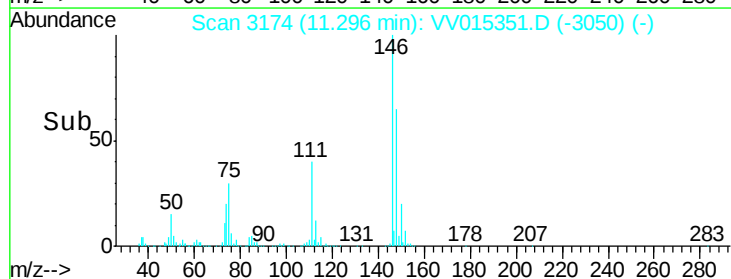
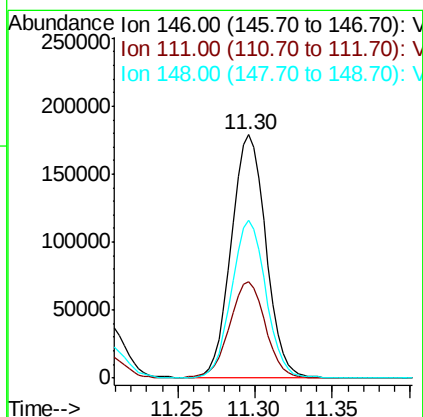
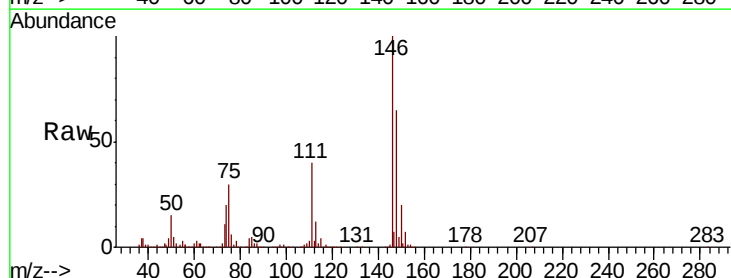
RT: 11.30 min Scan# 3174

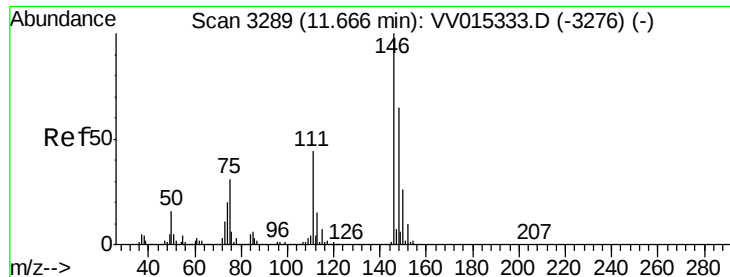
Delta R.T. -0.00 min

Lab File: VV015351.D

Acq: 01 Apr 2020 23:29

Tgt Ion:146	Resp:	276946
Ion Ratio	Lower	Upper
146	100	
111	39.6	29.3 54.5
148	64.9	44.7 82.9





#65

1,2-Dichlorobenzene

Concen: 152.121 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV015351.D

Acq: 01 Apr 2020 23:29

Instrument :

MSVOA_V

ClientSampled :

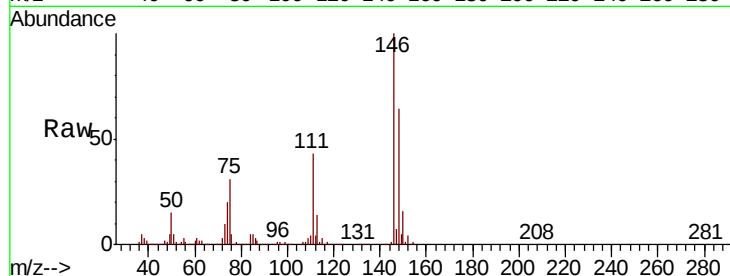
Tot Ion:146 Resp: 1507021

Ion Ratio Lower Upper

146 100

111 43.1 35.1 52.7

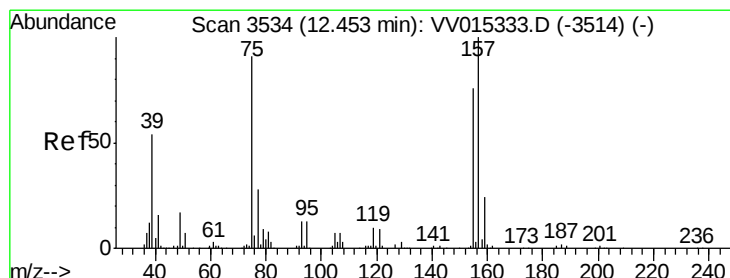
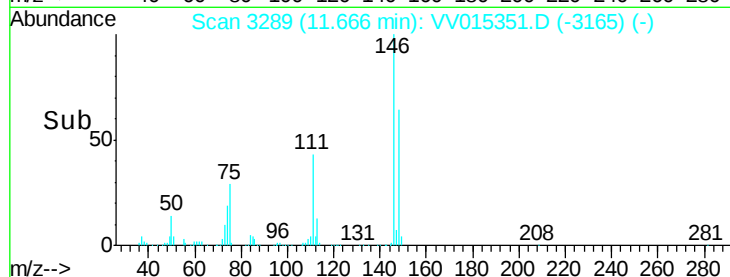
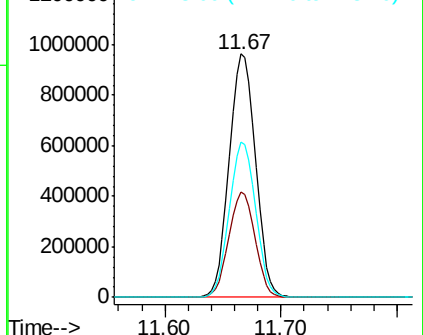
148 63.6 51.0 76.4



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: 1.194 ug/L

RT: 12.42 min Scan# 3524

Delta R.T. -0.03 min

Lab File: VV015351.D

Acq: 01 Apr 2020 23:29

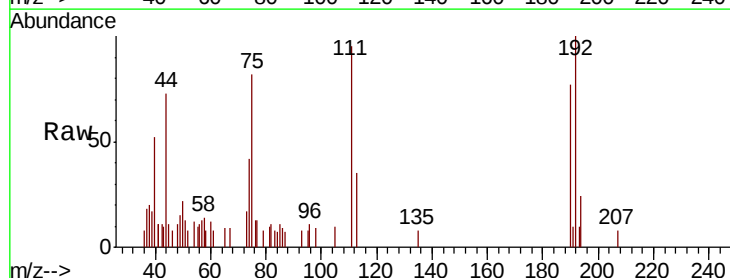
Tgt Ion: 75 Resp: 2336

Ion Ratio Lower Upper

75 100

155 0.0 64.5 96.7#

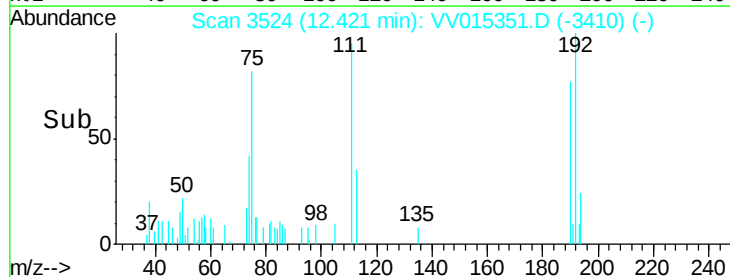
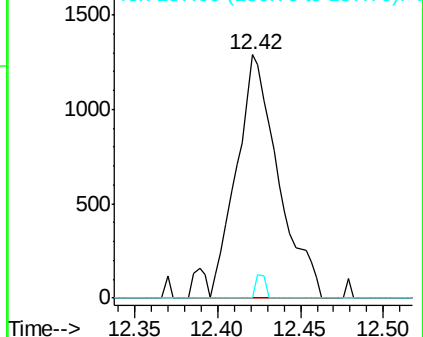
157 0.0 79.8 119.6#

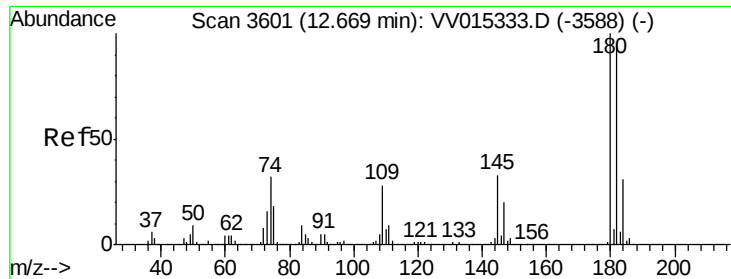


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

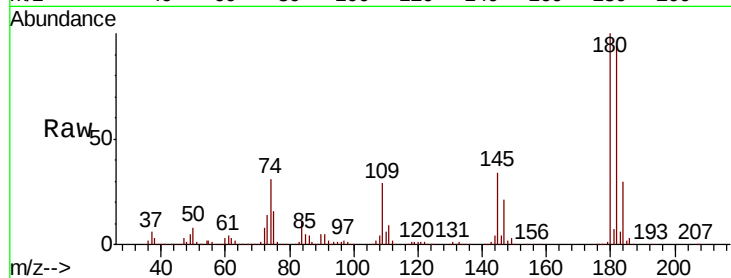




#67
 1,3,5-Trichlorobenzene
 Concen: 55.628 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.62 min
 Lab File: VV015351.D
 Acq: 01 Apr 2020 23:29

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	74.7	112.1
184	30.1	23.7	35.5
145	33.6	26.8	40.2

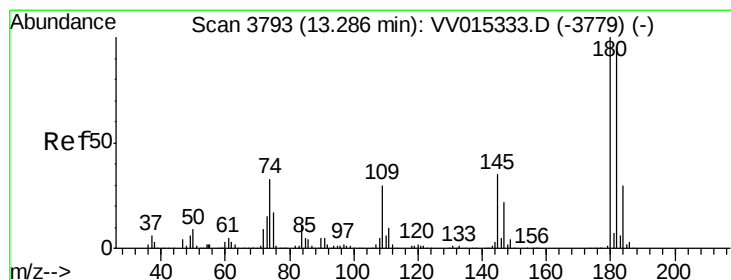
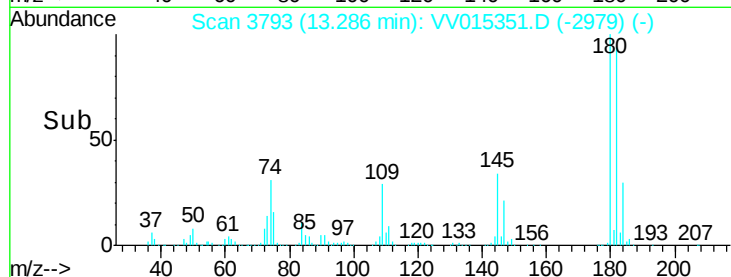
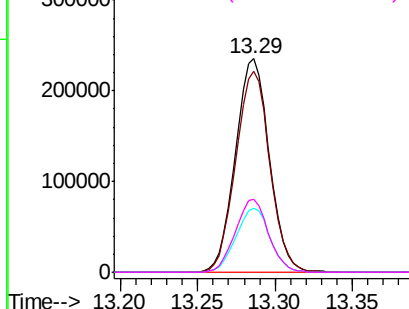


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

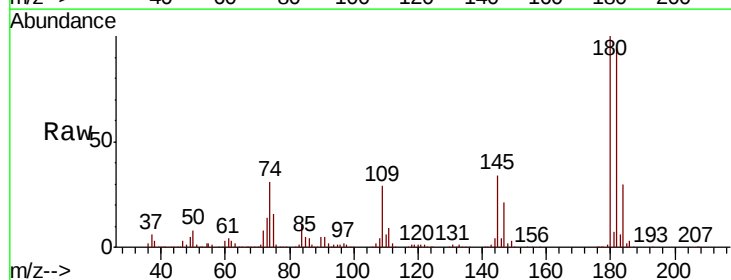
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 60.900 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015351.D
 Acq: 01 Apr 2020 23:29

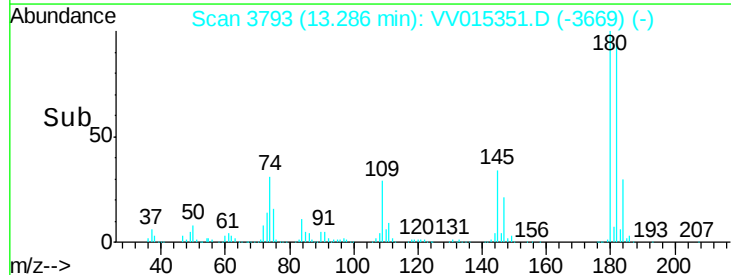
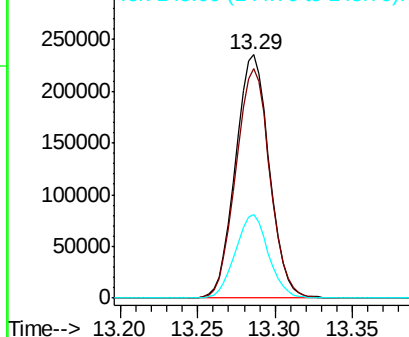
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.8	113.8
145	33.6	27.7	41.5

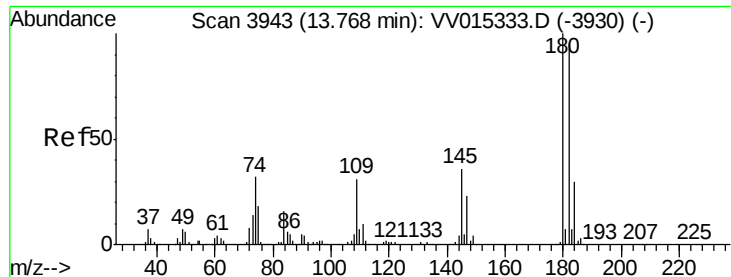


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

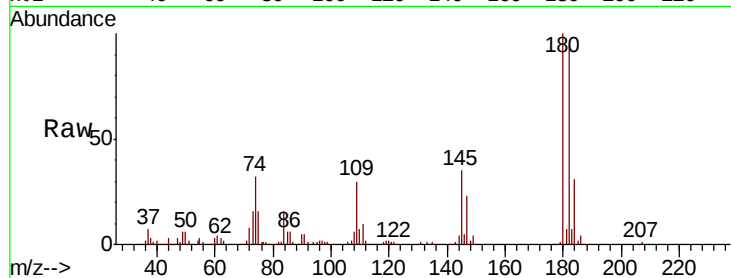




#70
 1,2,3-Trichlorobenzene
 Concen: 12.933 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV015351.D
 Acq: 01 Apr 2020 23:29

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 78334
 Ion Ratio Lower Upper
 180 100
 182 96.5 76.1 114.1
 145 34.7 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

