

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040120\
 Data File : VV015356.D
 Acq On : 02 Apr 2020 04:13
 Operator : SY/MD
 Sample : L2005-08 500X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DF0

Quant Time: Apr 02 07:04:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM040120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 02 06:34:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	742545	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	715475	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	333928	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	168191	25.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	50.52%#
7) Chloroethane-d5	1.58	69	172287	30.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	60.58%#
11) 1,1-Dichloroethene-d2	2.12	63	283287	23.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	47.60%#
21) 2-Butanone-d5	3.94	46	308143	87.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.08%
24) Chloroform-d	4.38	84	396578	36.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	72.16%
26) 1,2-Dichloroethane-d4	5.06	65	257729	37.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.28%
32) Benzene-d6	5.07	84	789881	35.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	71.70%
36) 1,2-Dichloropropane-d6	6.09	67	250723	38.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	77.18%
41) Toluene-d8	7.34	98	766408	36.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	72.74%#
43) trans-1,3-Dichloropropene-	7.64	79	112389	31.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.62%
47) 2-Hexanone-d5	8.12	63	235127	79.25	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.25%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	368072	39.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	79.64%
64) 1,2-Dichlorobenzene-d4	11.65	152	306572	40.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.72%

Target Compounds

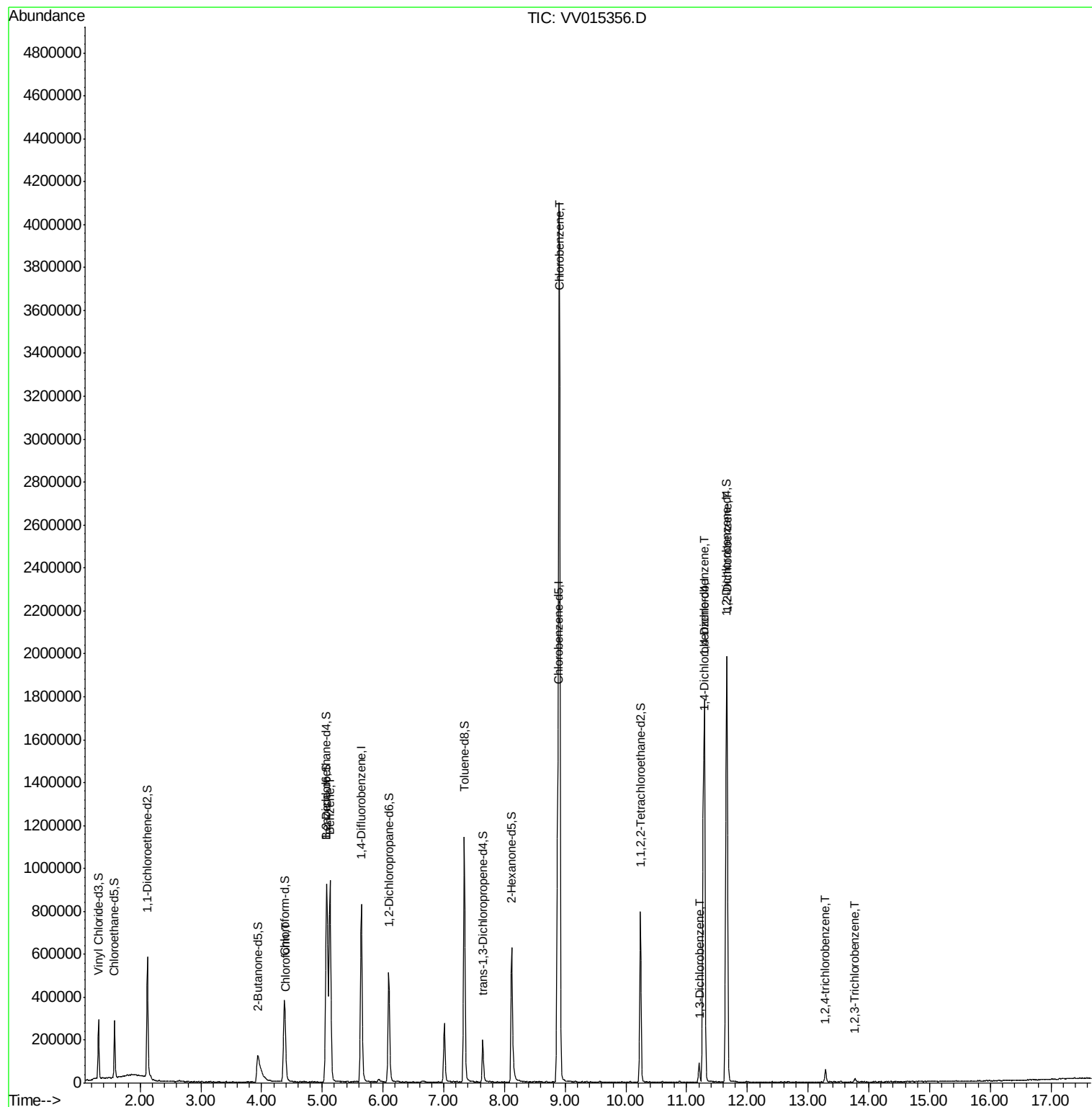
					Ovalue
25) Chloroform	4.41	83	12119	1.211	ug/L 99
33) Benzene	5.13	78	960642	45.363	ug/L 100
51) Chlorobenzene	8.90	112	2203507	142.854	ug/L 98
62) 1,3-Dichlorobenzene	11.21	146	34921	3.106	ug/L 100
63) 1,4-Dichlorobenzene	11.30	146	651760	57.165	ug/L 98
65) 1,2-Dichlorobenzene	11.67	146	642968	56.075	ug/L 99
68) 1,2,4-trichlorobenzene	13.29	180	17271	2.538	ug/L 96
70) 1,2,3-Trichlorobenzene	13.77	180	4554	0.650	ug/L 91

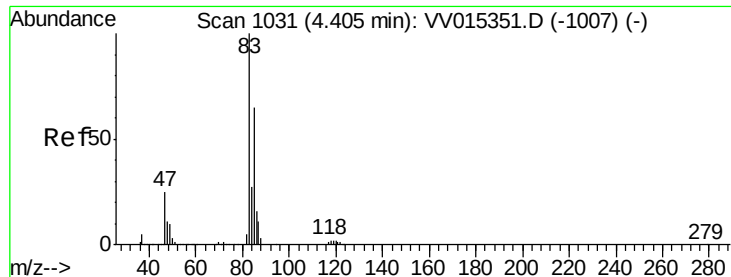
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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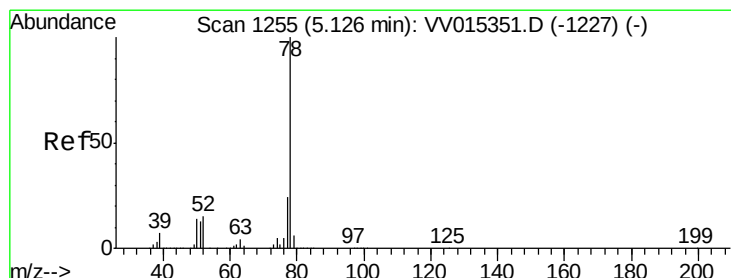
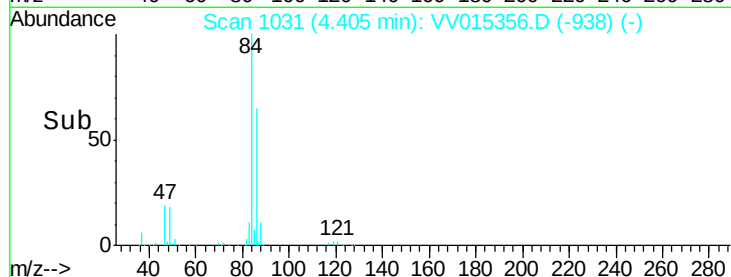
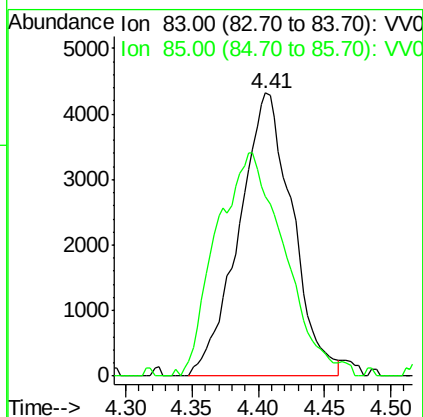
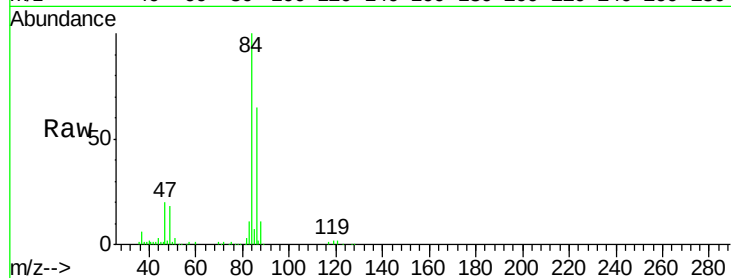




#25
Chloroform
Concen: 1.211 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV015356.D
Acq: 02 Apr 2020 04:13

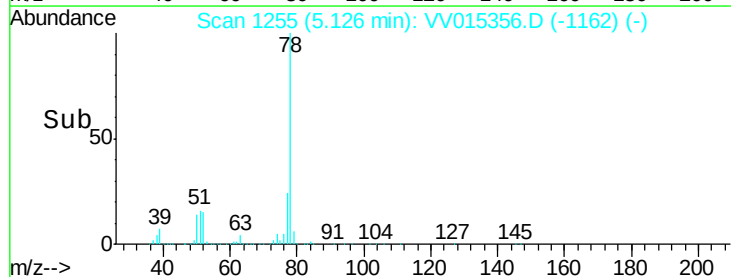
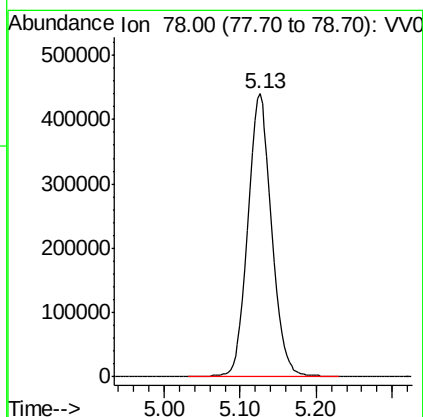
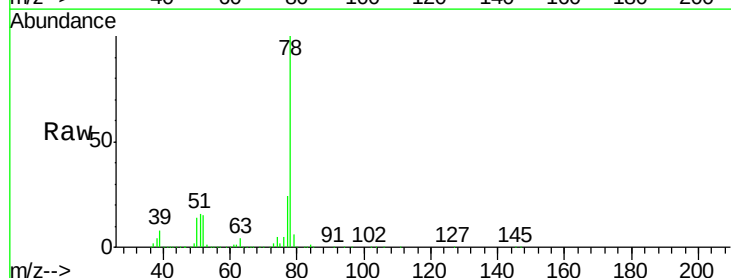
Instrument :
MSVOA_V
ClientSampleId :
C0DF0

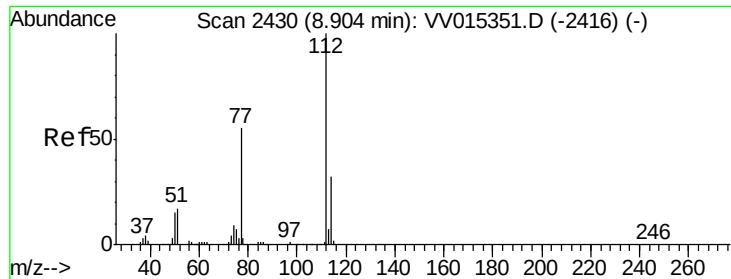
Tot Ion: 83 Resp: 12119
Ion Ratio Lower Upper
83 100
85 63.7 45.1 83.9



#33
Benzene
Concen: 45.363 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV015356.D
Acq: 02 Apr 2020 04:13

Tgt Ion: 78 Resp: 960642





#51

Chlorobenzene

Concen: 142.854 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

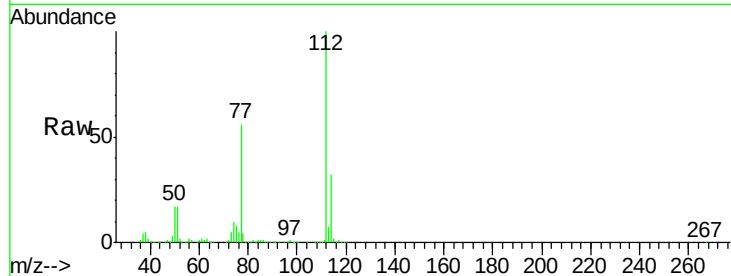
Lab File: VV015356.D

Acq: 02 Apr 2020 04:13

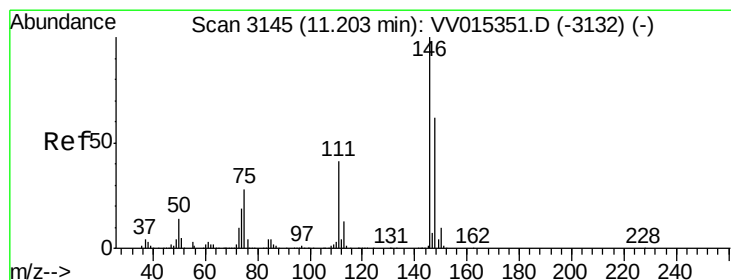
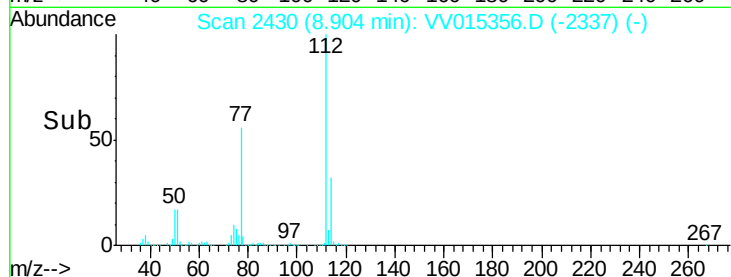
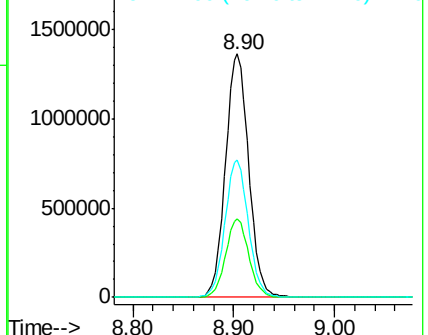
Instrument :
MSVOA_V
ClientSampleId :
C0DF0

Tot Ion:112 Resp: 2203507

Ion	Ratio	Lower	Upper
112	100		
114	32.2	21.8	40.4
77	56.4	46.2	69.2



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



#62

1,3-Dichlorobenzene

Concen: 3.106 ug/L

RT: 11.21 min Scan# 3146

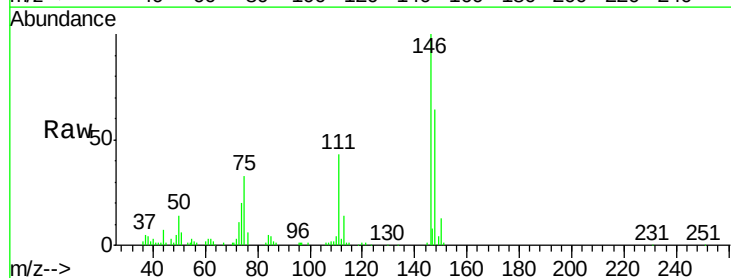
Delta R.T. 0.00 min

Lab File: VV015356.D

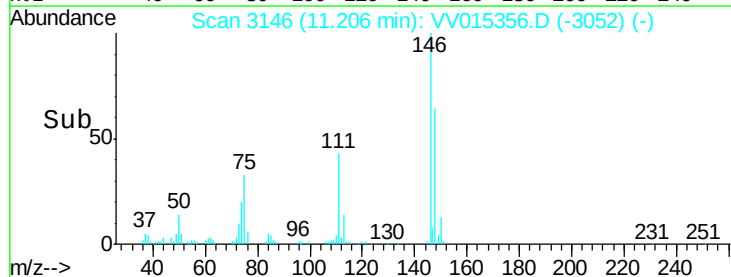
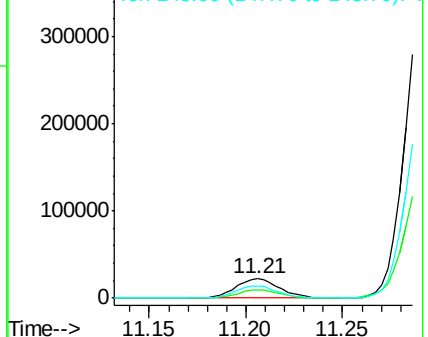
Acq: 02 Apr 2020 04:13

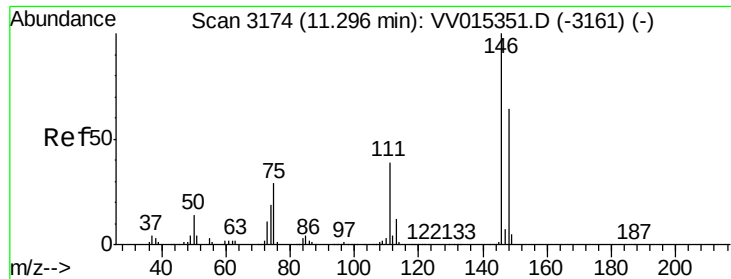
Tgt Ion:146 Resp: 34921

Ion	Ratio	Lower	Upper
146	100		
111	42.8	30.2	56.2
148	63.6	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

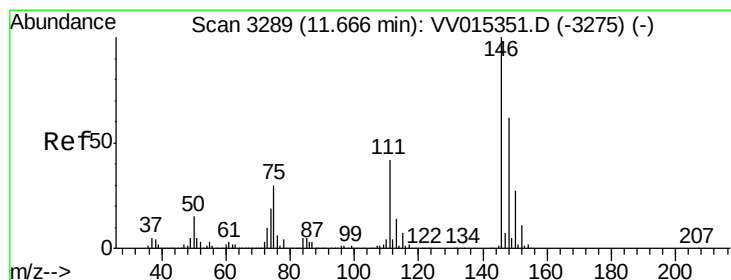
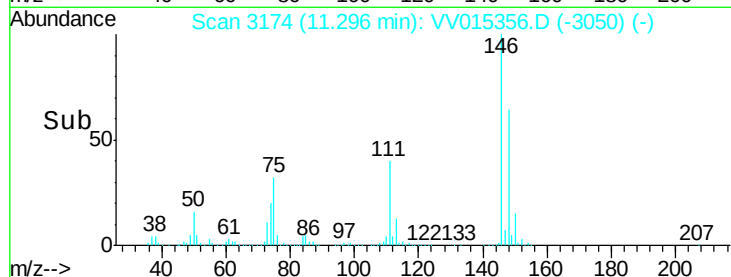
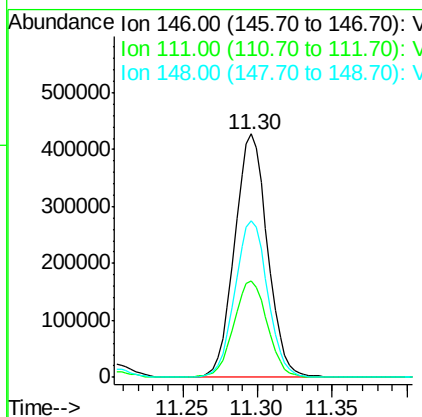
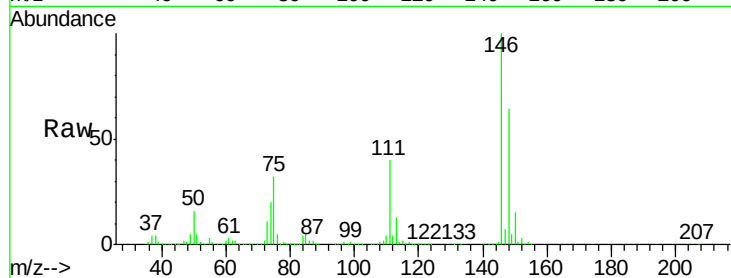




#63
 1,4-Dichlorobenzene
 Concen: 57.165 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV015356.D
 Acq: 02 Apr 2020 04:13

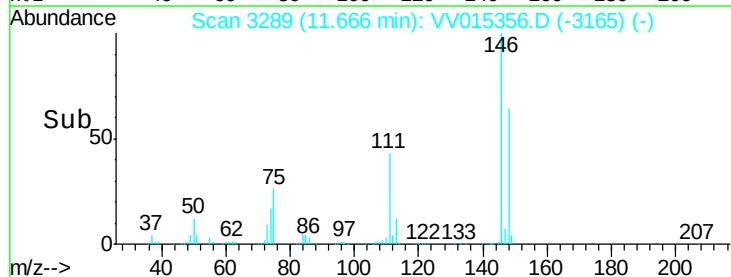
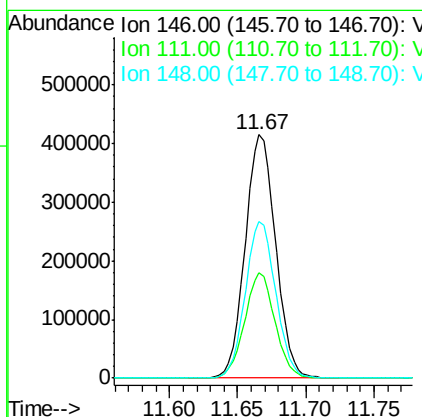
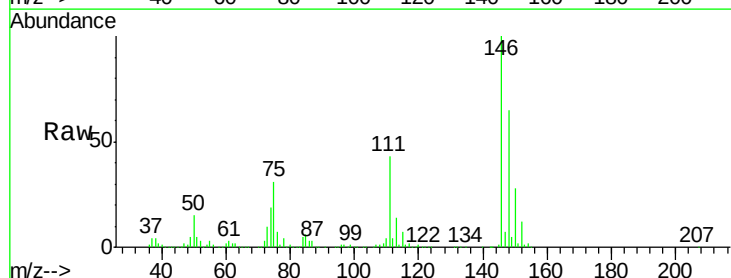
Instrument :
 MSVOA_V
 ClientSampled :
 C0DF0

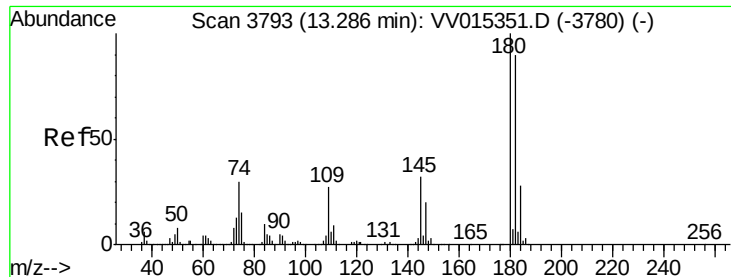
Tot Ion:146 Resp: 651760
 Ion Ratio Lower Upper
 146 100
 111 39.6 29.3 54.5
 148 64.5 44.7 82.9



#65
 1,2-Dichlorobenzene
 Concen: 56.075 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV015356.D
 Acq: 02 Apr 2020 04:13

Tgt Ion:146 Resp: 642968
 Ion Ratio Lower Upper
 146 100
 111 43.1 35.1 52.7
 148 64.5 51.0 76.4





#68

1,2,4-trichlorobenzene

Concen: 2.538 ug/L

RT: 13.29 min Scan# 3794

Delta R.T. 0.00 min

Lab File: VV015356.D

Acq: 02 Apr 2020 04:13

Instrument :

MSVOA_V

ClientSampled :

C0DF0

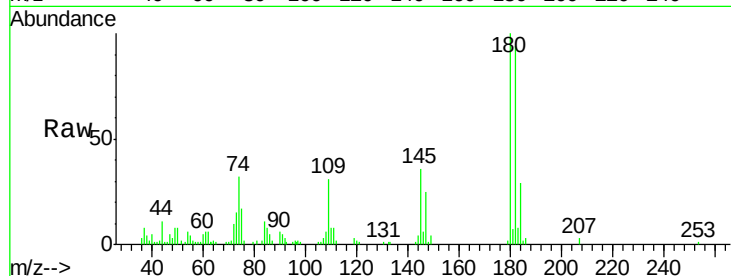
Tot Ion:180 Resp: 17271

Ion Ratio Lower Upper

180 100

182 91.8 75.8 113.8

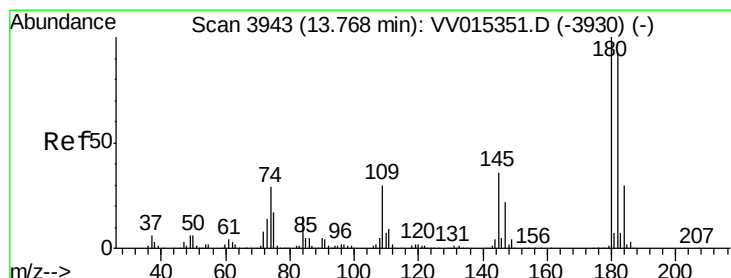
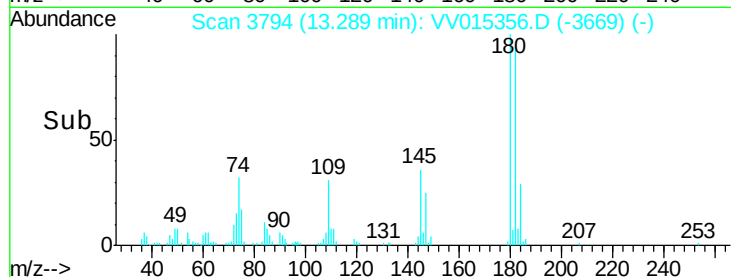
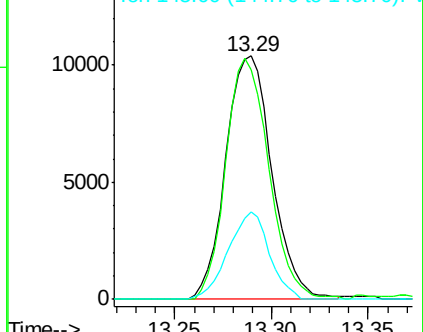
145 31.9 27.7 41.5



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: 0.650 ug/L

RT: 13.77 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VV015356.D

Acq: 02 Apr 2020 04:13

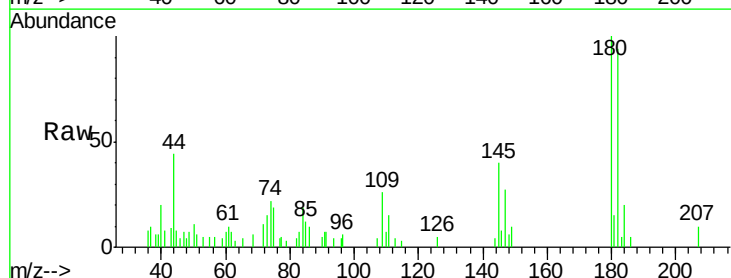
Tgt Ion:180 Resp: 4554

Ion Ratio Lower Upper

180 100

182 103.9 76.1 114.1

145 40.3 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

