

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040120\
 Data File : VV015357.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 :

Quant Time: Apr 02 06:42:11 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

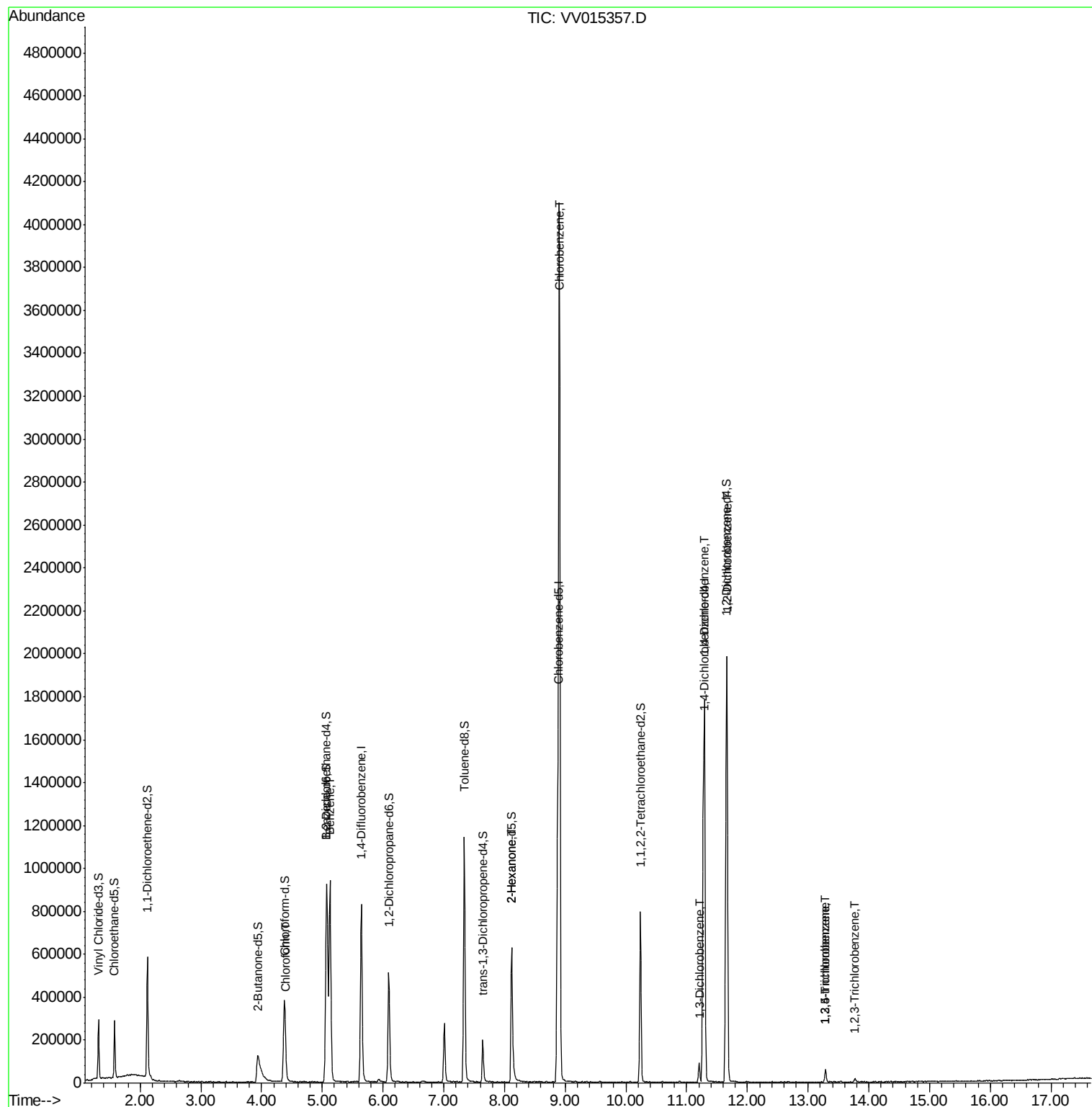
					Ovalue
25) Chloroform	4.41	83	12119	1.211	ug/L 99
33) Benzene	5.13	78	960642	45.363	ug/L 100
48) 2-Hexanone	8.12	43	28040	5.068	ug/L # 85
51) Chlorobenzene	8.90	112	2203507	142.854	ug/L 98
62) 1,3-Dichlorobenzene	11.21	146	34921	3.106	ug/L 100
63) 1,4-Dichlorobenzene	11.30	146	651760	57.165	ug/L 98
65) 1,2-Dichlorobenzene	11.67	146	642968	56.075	ug/L 99
67) 1,3,5-Trichlorobenzene	13.29	180	17271	2.318	ug/L 97
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

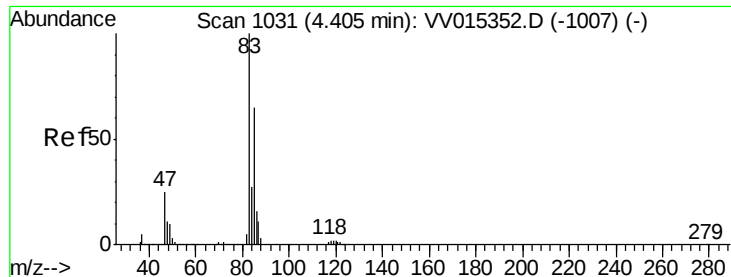
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

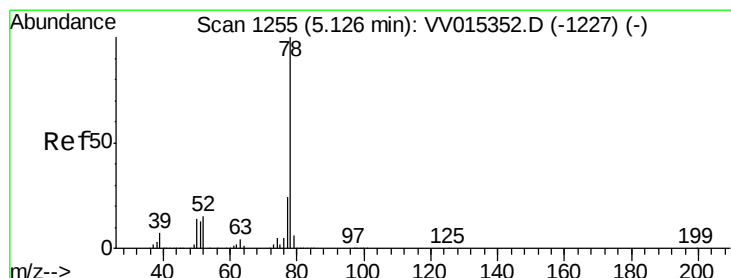
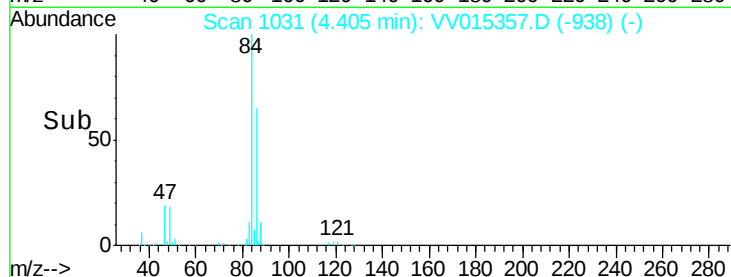
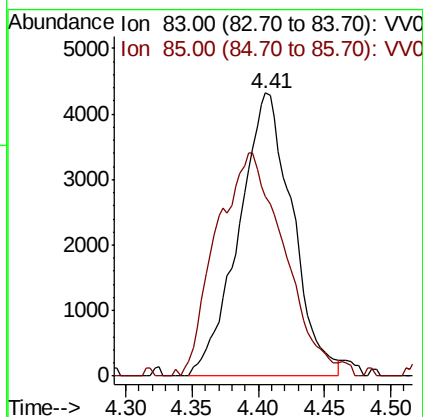
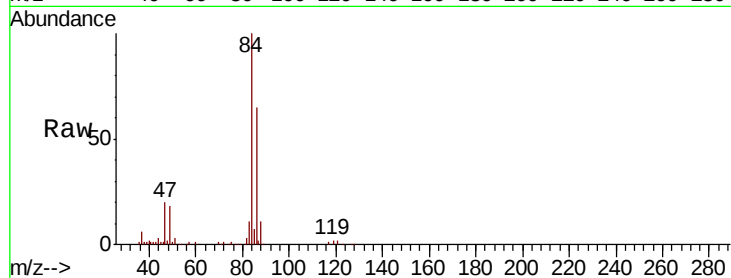




#25
Chloroform
Concen: 1.211 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV015357.D
Acq: 02 Apr 2020 04:13

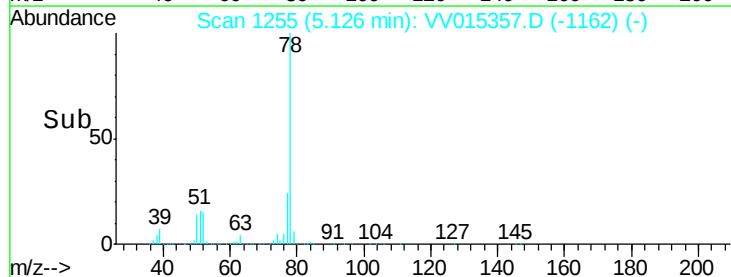
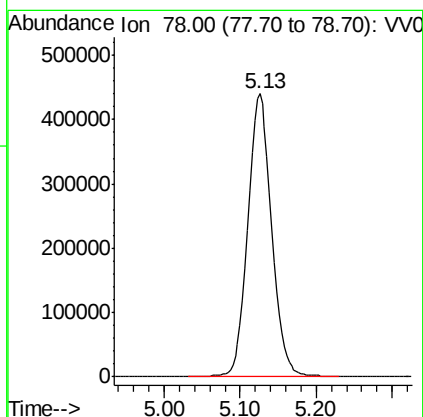
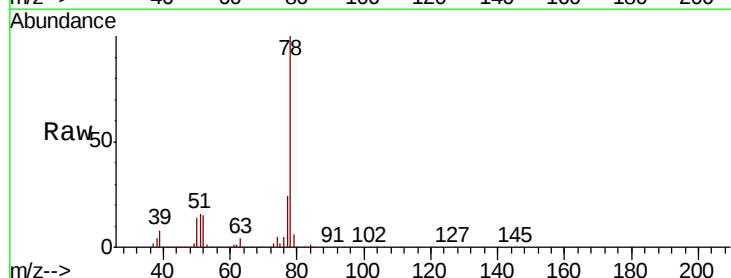
Instrument :
MSVOA_V
ClientSampleId :

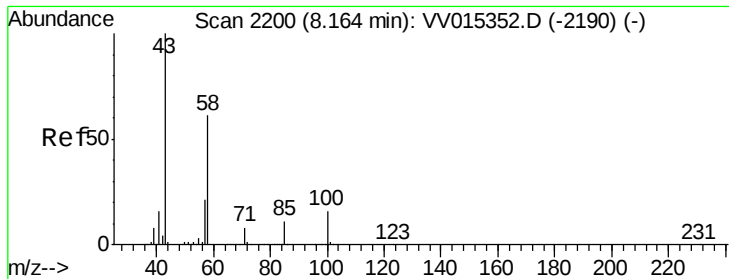
Tot Ion: 83 Resp: 12119
Ion Ratio Lower Upper
83 100
85 63.7 45.1 83.9



#33
Benzene
Concen: 45.363 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV015357.D
Acq: 02 Apr 2020 04:13

Tgt Ion: 78 Resp: 960642

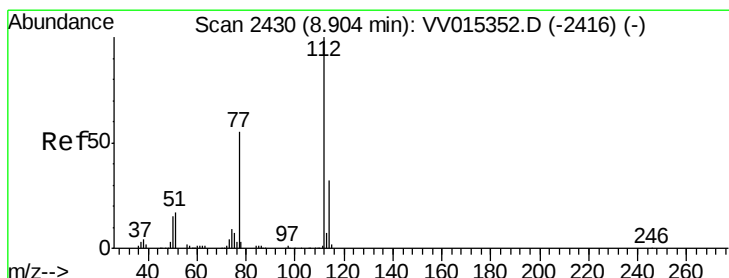
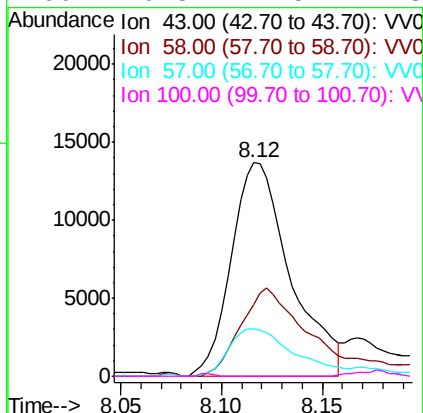
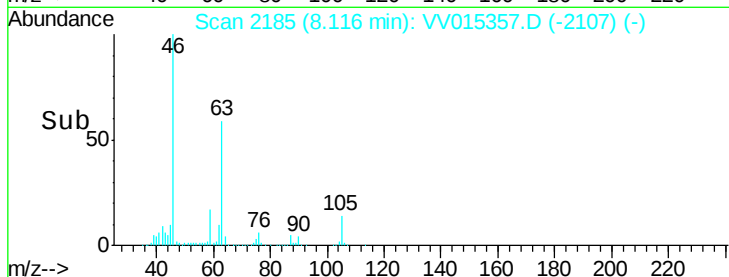
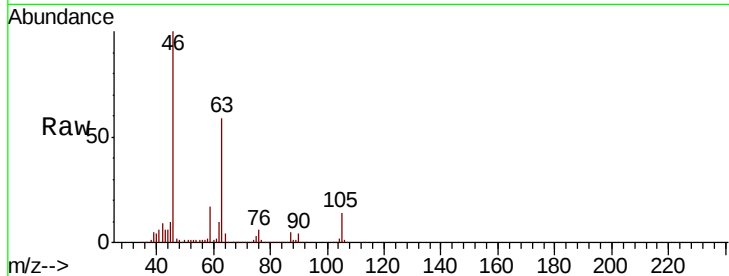




#48
2-Hexanone
Concen: 5.068 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.05 min
Lab File: VV015357.D
Acq: 02 Apr 2020 04:13

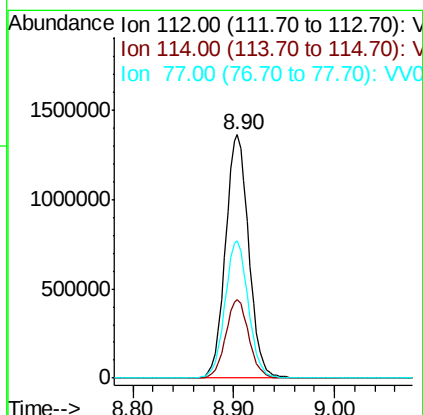
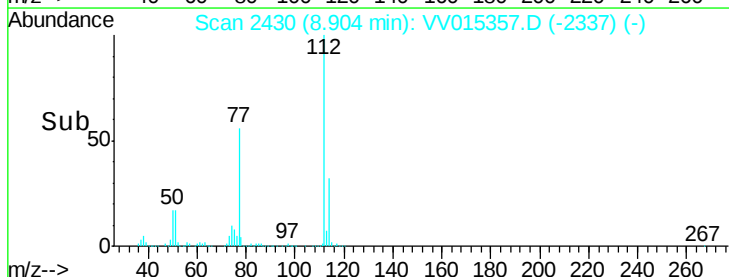
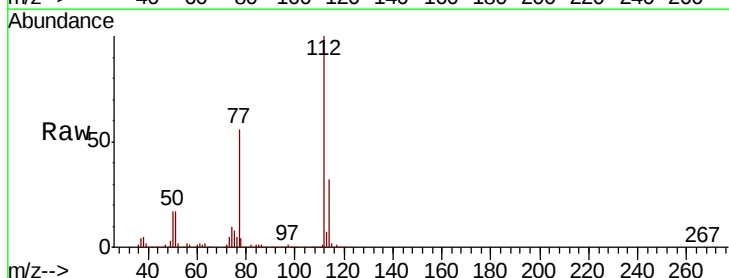
Instrument :
MSVOA_V
ClientSampleId :

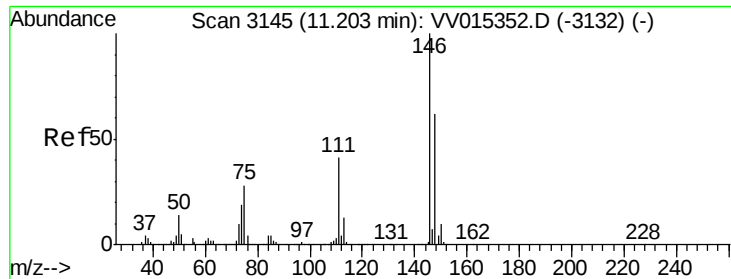
Tot Ion: 43 Resp: 28040
Ion Ratio Lower Upper
43 100
58 49.5 47.4 71.2
57 24.6 16.7 25.1
100 0.8 11.5 17.3#



#51
Chlorobenzene
Concen: 142.854 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015357.D
Acq: 02 Apr 2020 04:13

Tgt Ion: 112 Resp: 2203507
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: 3.106 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV015357.D

Acq: 02 Apr 2020 04:13

Instrument :

MSVOA_V

ClientSampleId :

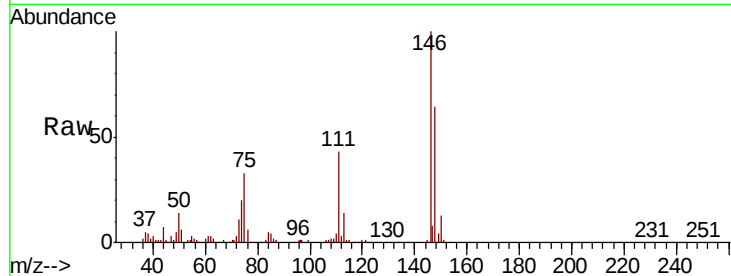
Tot Ion:146 Resp: 34921

Ion Ratio Lower Upper

146 100

111 42.8 30.2 56.2

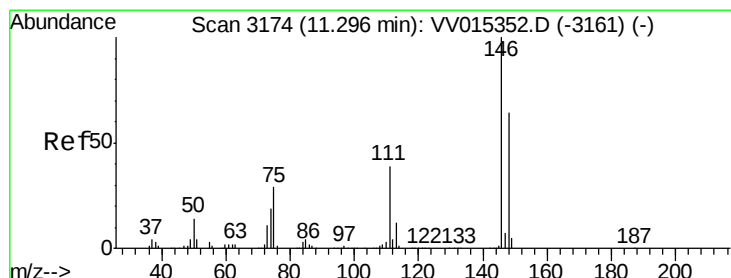
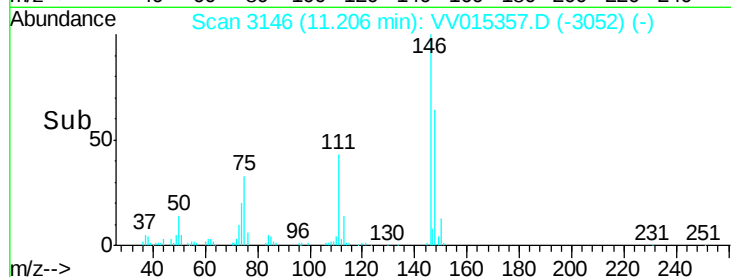
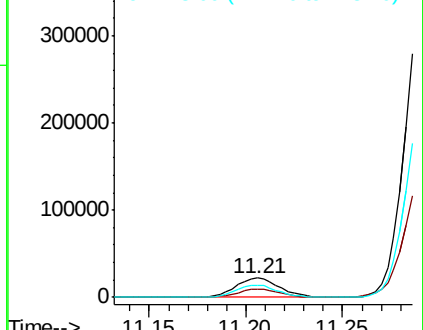
148 63.6 44.7 83.1



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: VV015357.D

Acq: 02 Apr 2020 04:13

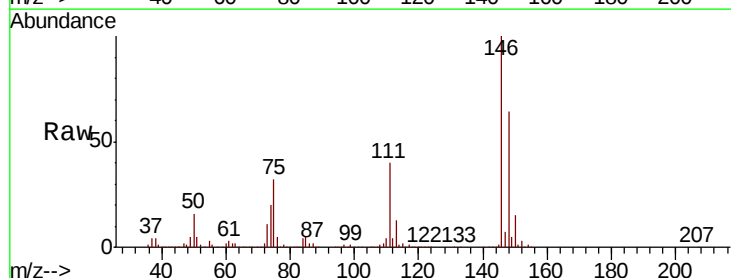
Tgt Ion:146 Resp: 651760

Ion Ratio Lower Upper

146 100

111 39.6 29.3 54.5

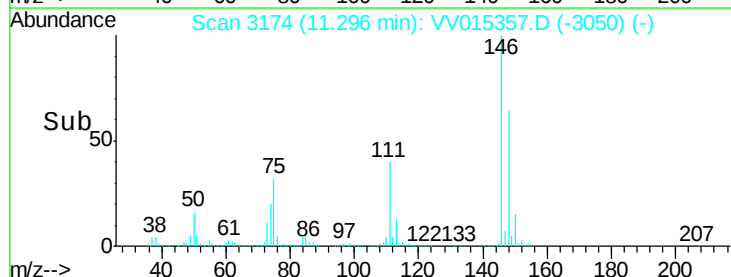
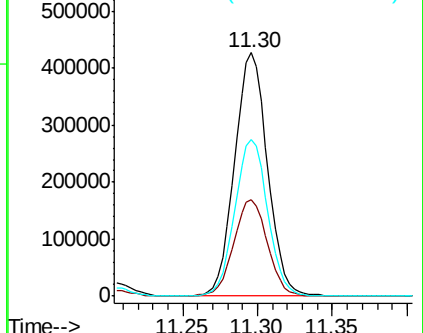
148 64.5 44.7 82.9

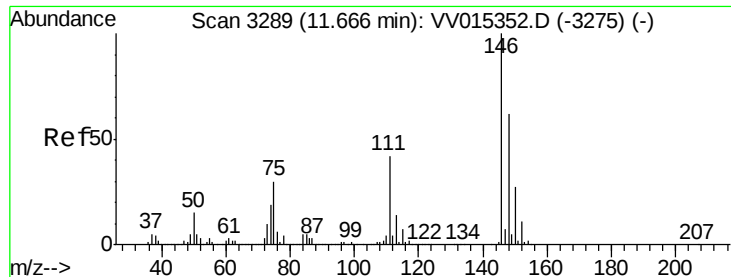


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 56.075 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015357.D

Acq: 02 Apr 2020 04:13

Instrument :

MSVOA_V

ClientSampleId :

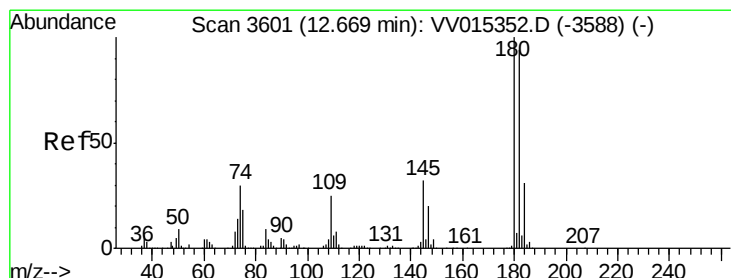
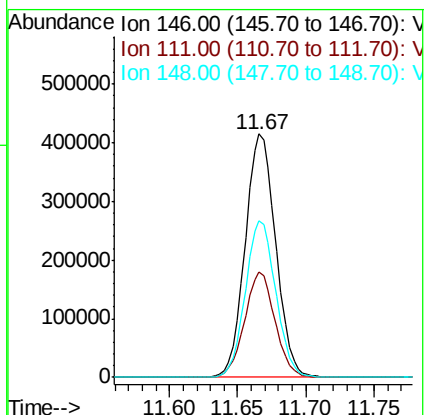
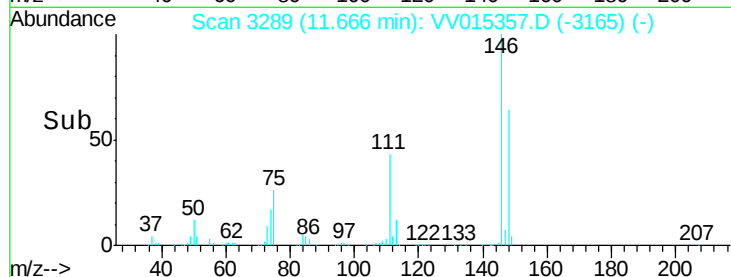
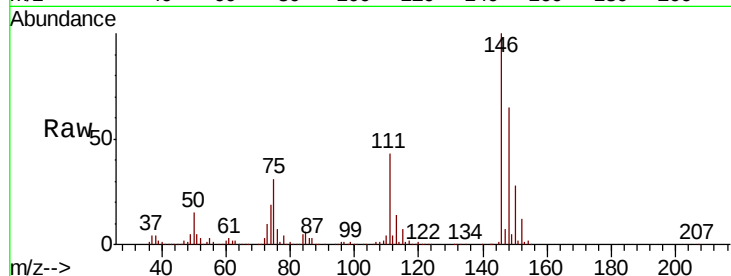
Tot Ion:146 Resp: 642968

Ion Ratio Lower Upper

146 100

111 43.1 35.1 52.7

148 64.5 51.0 76.4



#67

1,3,5-Trichlorobenzene

Concen: 2.318 ug/L

RT: 13.29 min Scan# 3794

Delta R.T. 0.62 min

Lab File: VV015357.D

Acq: 02 Apr 2020 04:13

Tgt Ion:180 Resp: 17271

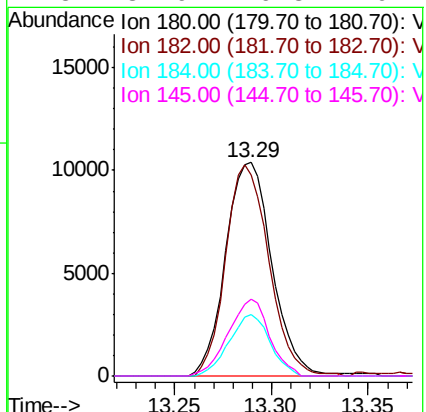
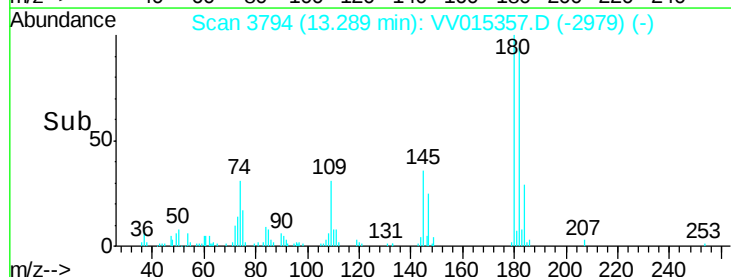
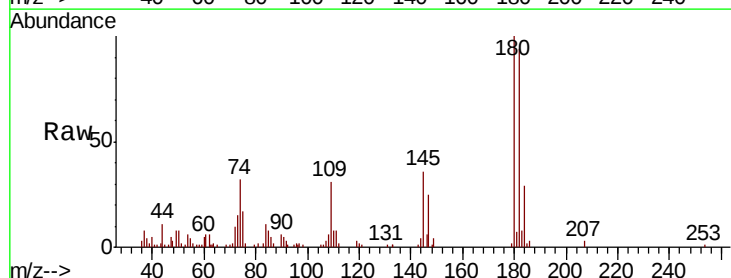
Ion Ratio Lower Upper

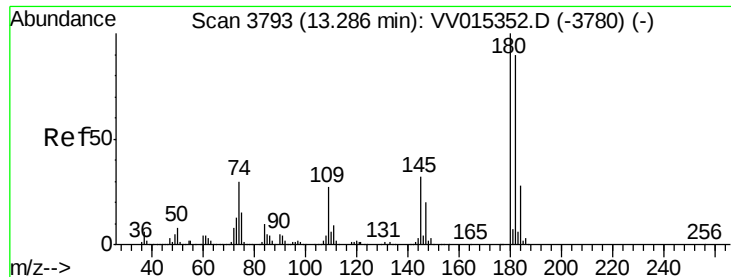
180 100

182 91.8 74.7 112.1

184 25.4 23.7 35.5

145 31.9 26.8 40.2

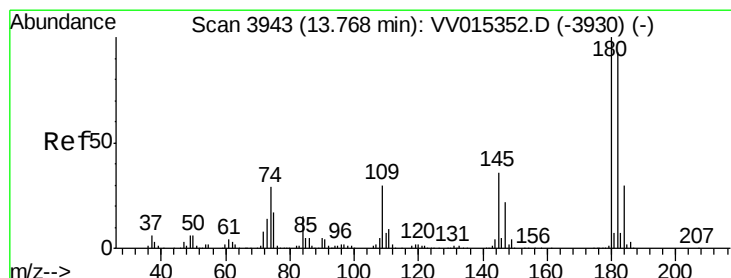
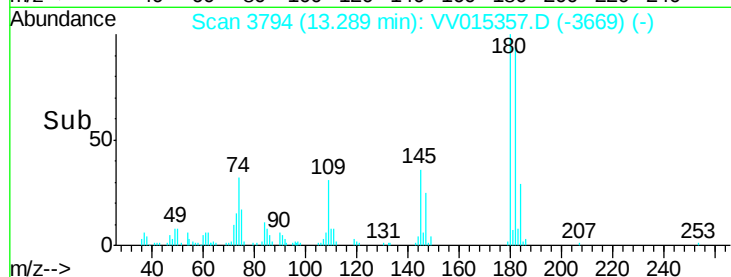
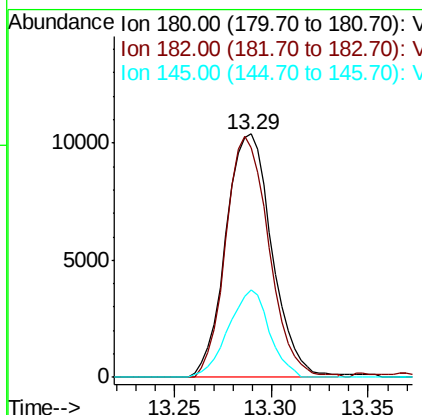
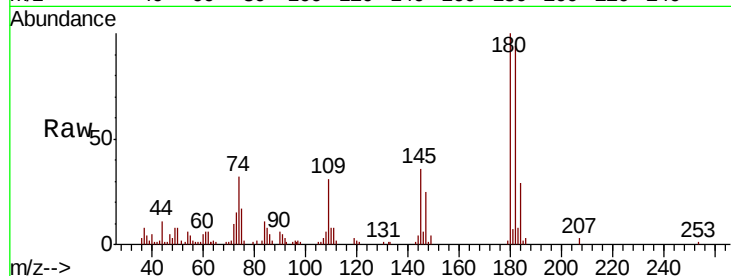




#68
 1,2,4-trichlorobenzene
 Concen: 2.538 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.00 min
 Lab File: VV015357.D
 Acq: 02 Apr 2020 04:13

Instrument :
 MSVOA_V
 ClientSampled :

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



#70
 1,2,3-Trichlorobenzene
 Concen: 0.650 ug/L
 RT: 13.77 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VV015357.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

