

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032420\
 Data File : VV015122.D
 Acq On : 24 Mar 2020 14:36
 Operator : SY/MD
 Sample : L1968-07
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DD6

Quant Time: Mar 25 03:13:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 25 01:10:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	759736	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	713384	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	341242	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	270993	38.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.24%
7) Chloroethane-d5	1.58	69	242905	40.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.80%
11) 1,1-Dichloroethene-d2	2.12	63	397103	33.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.80%
21) 2-Butanone-d5	3.94	46	395859	86.57	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.57%
24) Chloroform-d	4.38	84	437725	41.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.52%
26) 1,2-Dichloroethane-d4	5.06	65	286458	42.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.82%
32) Benzene-d6	5.08	84	922022	42.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.34%
36) 1,2-Dichloropropane-d6	6.10	67	295986	41.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.72%
41) Toluene-d8	7.34	98	880141	43.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.86%
43) trans-1,3-Dichloropropene-	7.64	79	153873	41.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.40%
47) 2-Hexanone-d5	8.11	63	313017	88.10	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.10%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	419596	42.32	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.64%
64) 1,2-Dichlorobenzene-d4	11.65	152	334215	43.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.72%

Target Compounds

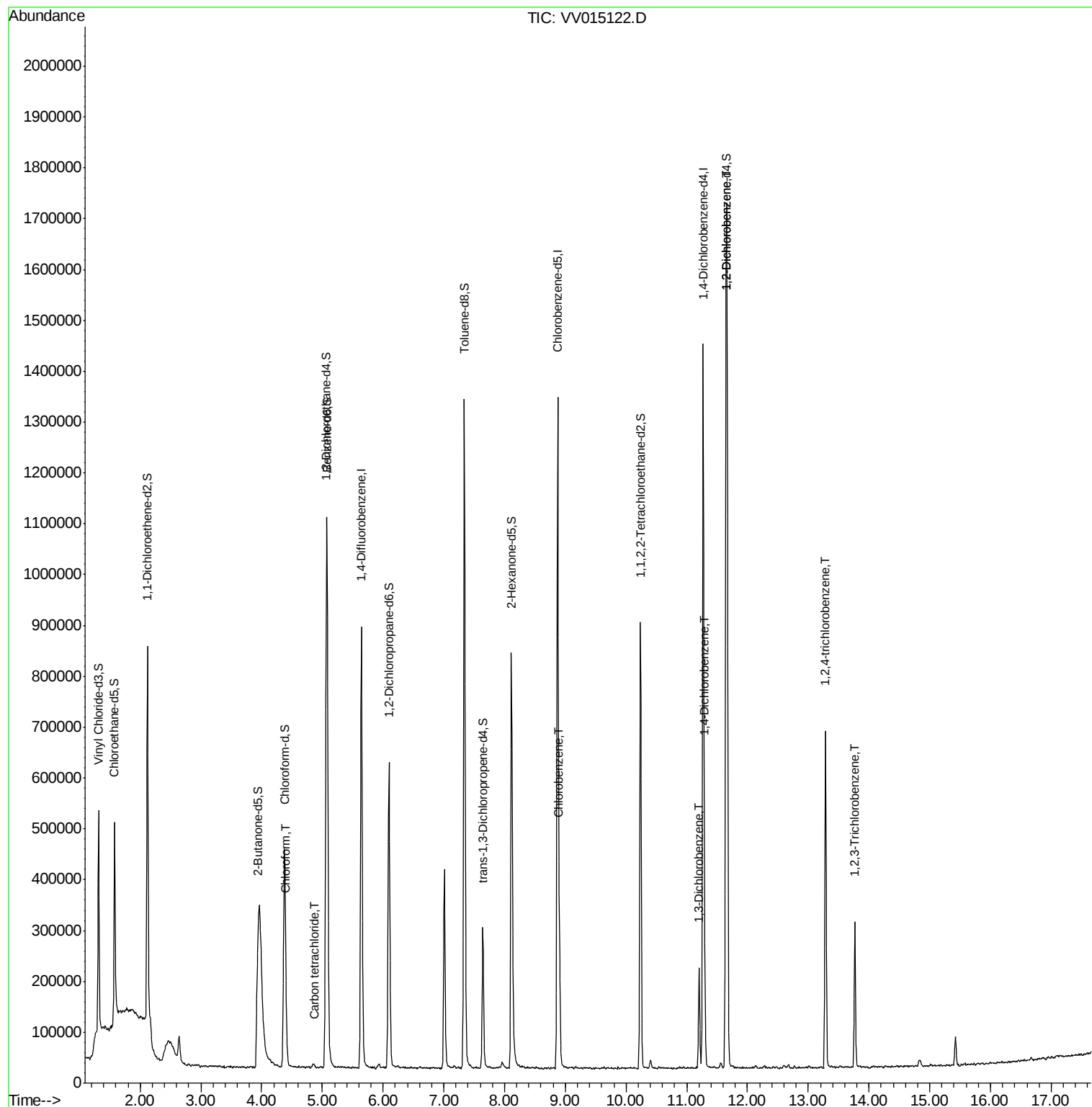
					Ovalue
25) Chloroform	4.41	83	19015	1.913 ug/L	85
31) Carbon tetrachloride	4.85	117	5980	0.849 ug/L	90
51) Chlorobenzene	8.90	112	126136	8.520 ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	81329	7.169 ug/L	96
63) 1,4-Dichlorobenzene	11.30	146	65321	5.696 ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	468108	39.598 ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	185262	25.098 ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	79240	10.420 ug/L	98

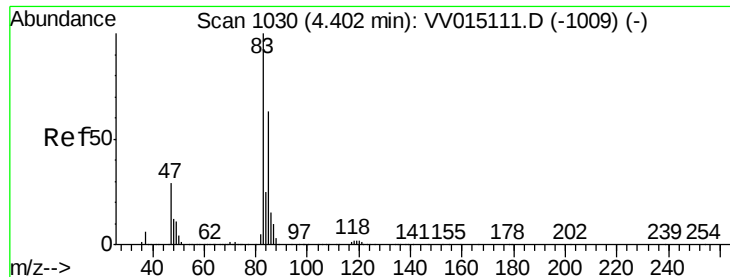
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Chloroform

Concen: 1.913 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV015122.D

Acq: 24 Mar 2020 14:36

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ClientSampleId :

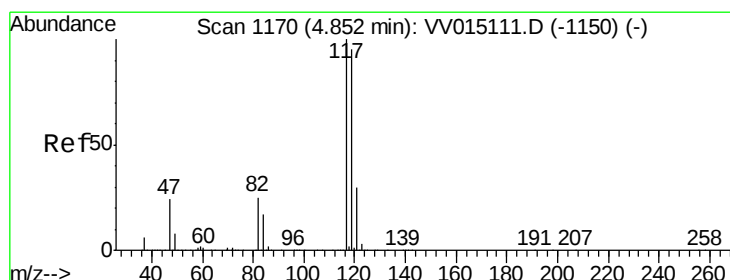
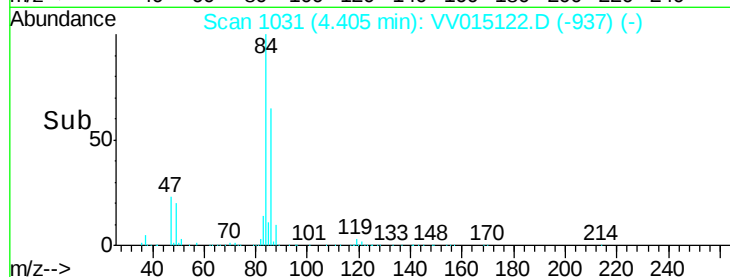
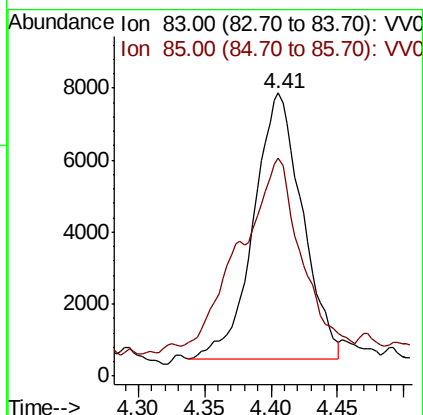
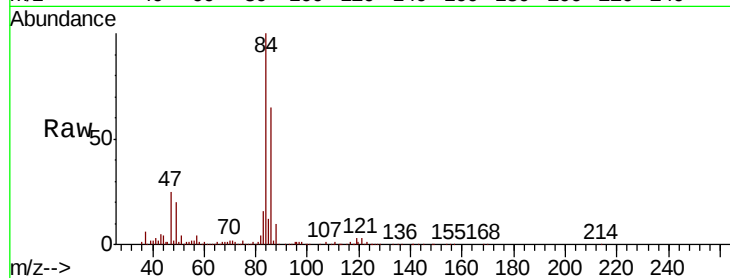
C0DD6

Tot Ion: 83 Resp: 19015

Ion Ratio Lower Upper

83 100

85 76.9 45.8 85.0



#31

Carbon tetrachloride

Concen: 0.849 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV015122.D

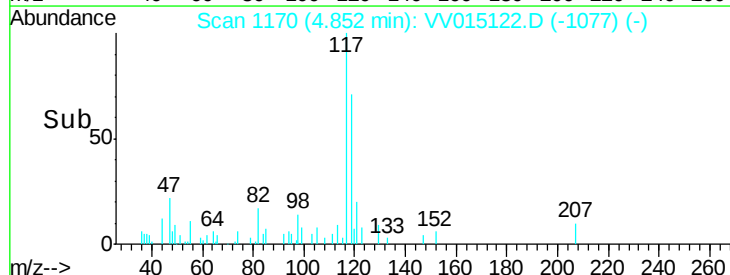
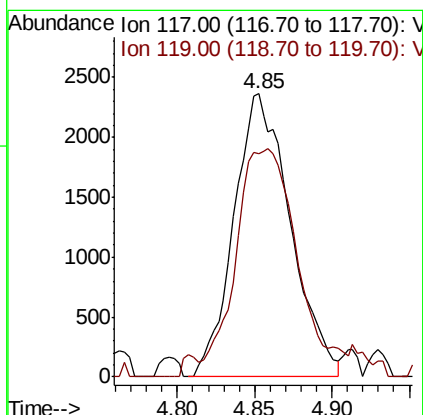
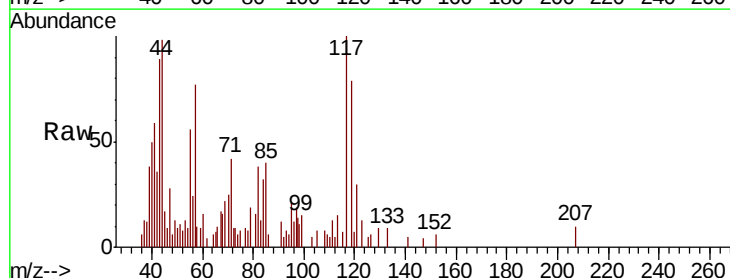
Acq: 24 Mar 2020 14:36

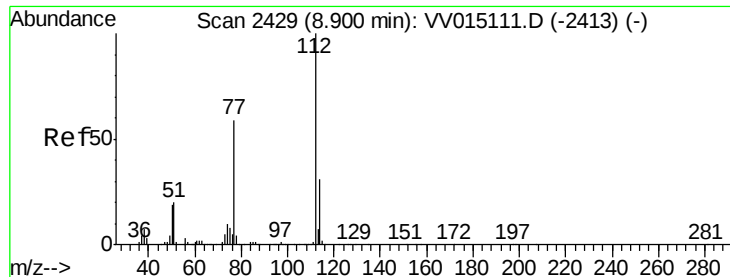
Tgt Ion: 117 Resp: 5980

Ion Ratio Lower Upper

117 100

119 85.3 76.1 114.1





#51

Chlorobenzene

Concen: 8.520 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV015122.D

Acq: 24 Mar 2020 14:36

Instrument :

MSVOA_V

ClientSampleId :

C0DD6

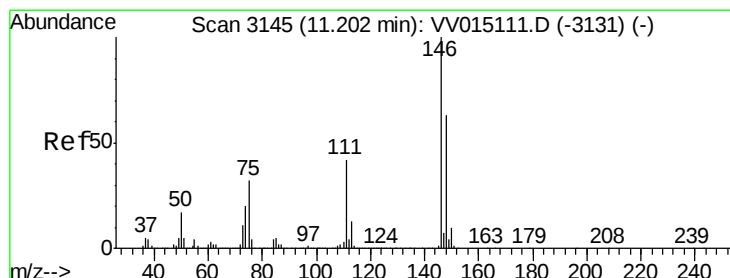
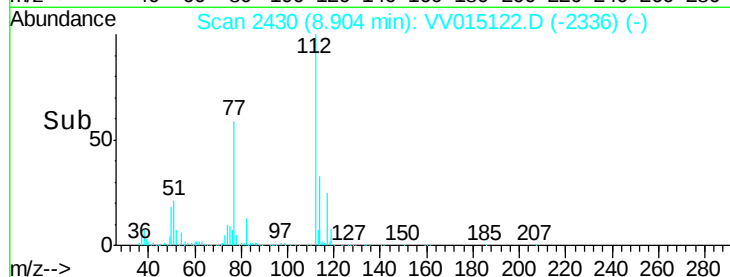
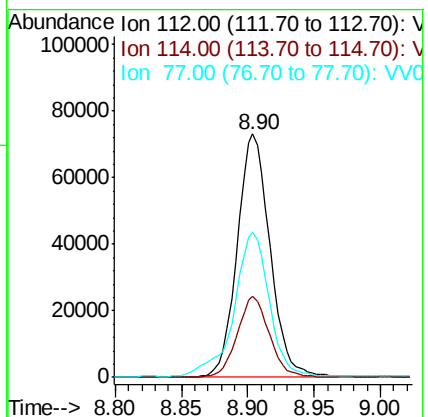
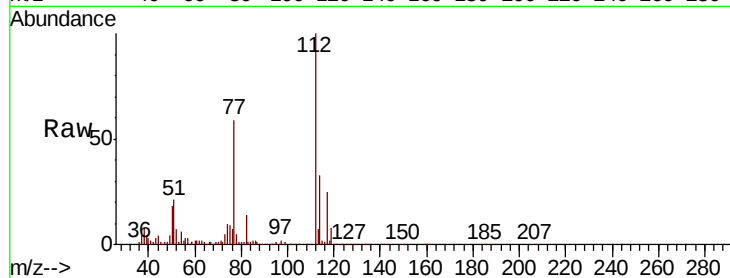
Tot Ion:112 Resp: 126136

Ion Ratio Lower Upper

112 100

114 33.3 22.3 41.3

77 59.5 48.1 72.1



#62

1,3-Dichlorobenzene

Concen: 7.169 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015122.D

Acq: 24 Mar 2020 14:36

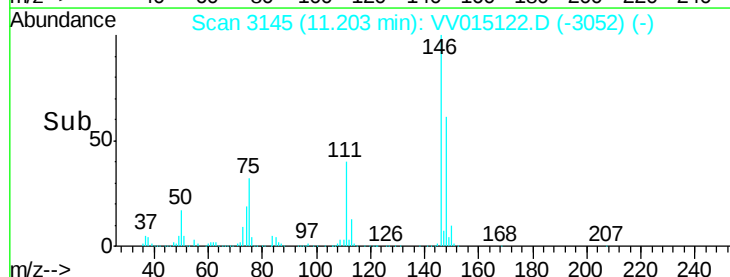
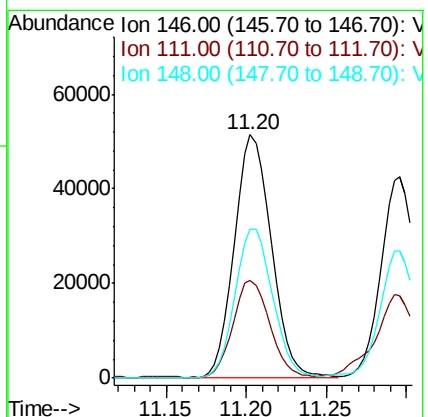
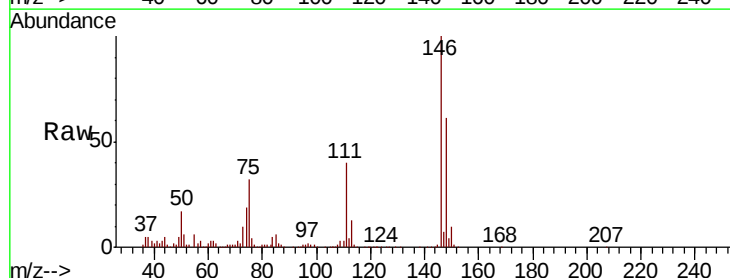
Tgt Ion:146 Resp: 81329

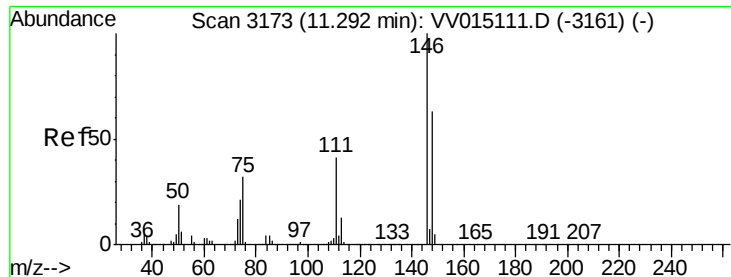
Ion Ratio Lower Upper

146 100

111 40.2 29.7 55.1

148 61.0 45.3 84.1

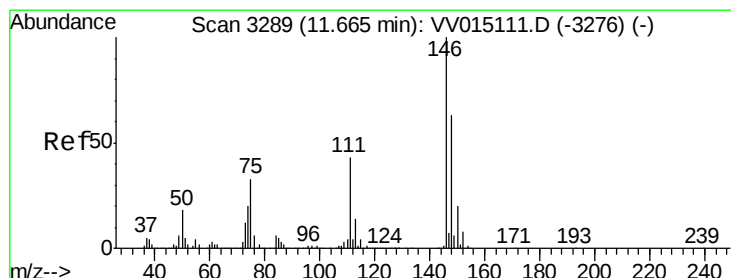
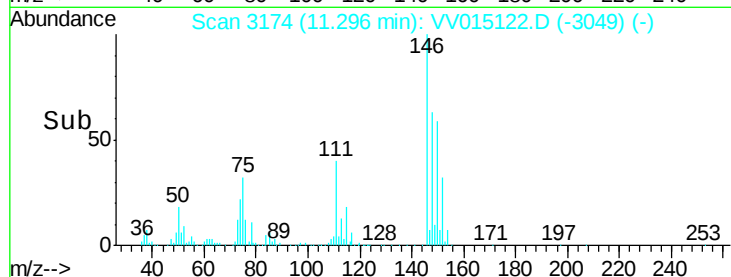
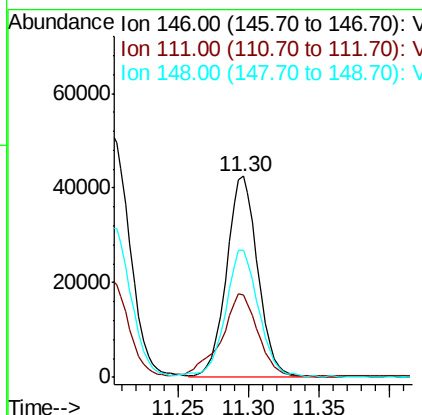
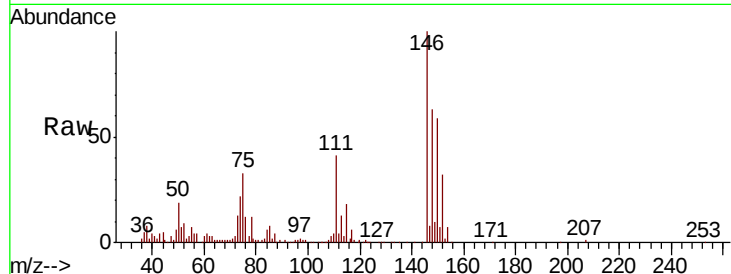




#63
 1,4-Dichlorobenzene
 Concen: 5.696 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV015122.D
 Acq: 24 Mar 2020 14:36

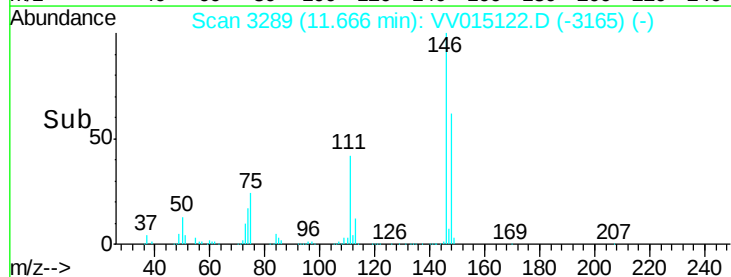
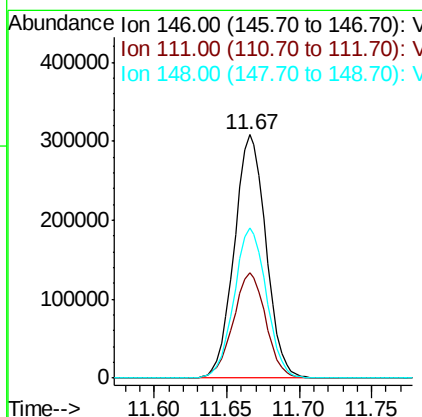
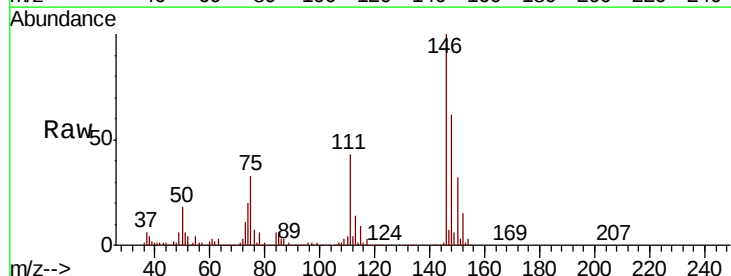
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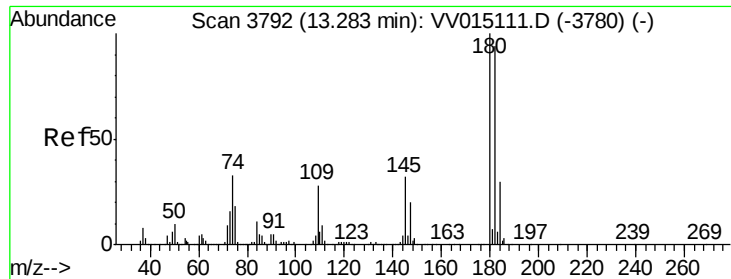
Tot Ion:146 Resp: 65321
 Ion Ratio Lower Upper
 146 100
 111 40.9 28.2 52.4
 148 63.3 44.9 83.5



#65
 1,2-Dichlorobenzene
 Concen: 39.598 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV015122.D
 Acq: 24 Mar 2020 14:36

Tgt Ion:146 Resp: 468108
 Ion Ratio Lower Upper
 146 100
 111 43.1 35.2 52.8
 148 61.7 50.6 75.8





#68

1,2,4-trichlorobenzene

Concen: 25.098 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.00 min

Lab File: VV015122.D

Acq: 24 Mar 2020 14:36

Instrument :

MSVOA_V

ClientSampleId :

C0DD6

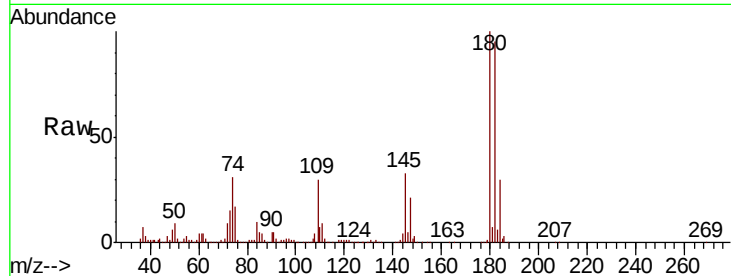
Tot Ion:180 Resp: 185262

Ion Ratio Lower Upper

180 100

182 96.5 75.5 113.3

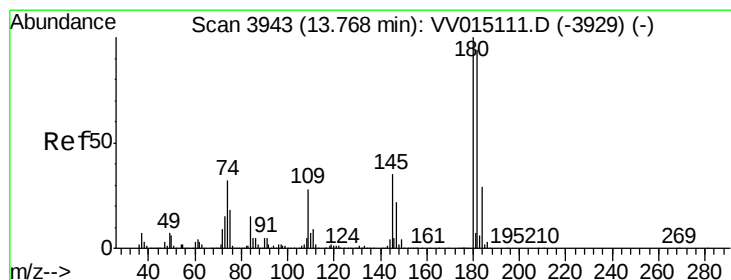
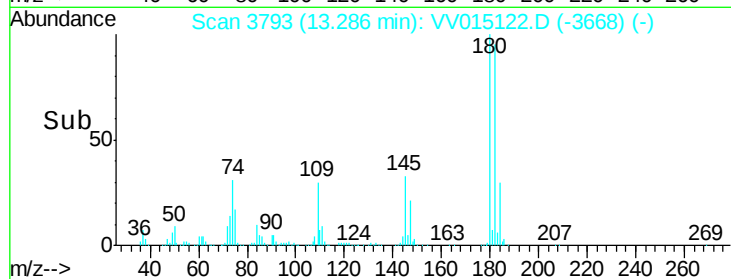
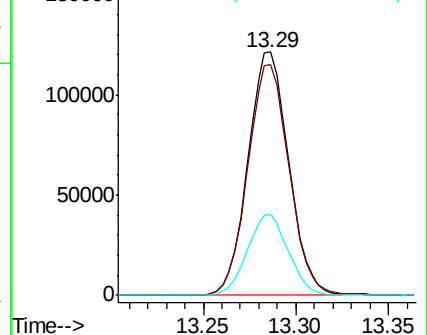
145 33.2 26.4 39.6



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: 10.420 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015122.D

Acq: 24 Mar 2020 14:36

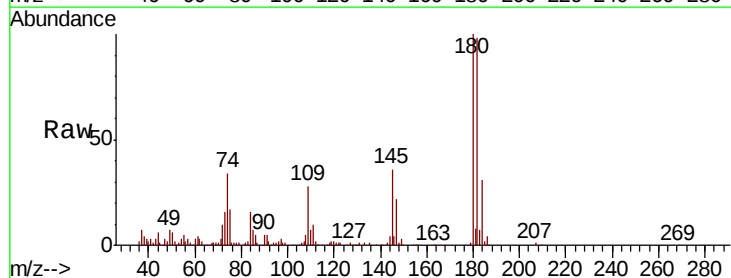
Tgt Ion:180 Resp: 79240

Ion Ratio Lower Upper

180 100

182 97.6 76.6 115.0

145 36.5 27.8 41.6



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

