

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031620\
 Data File : VV014960.D
 Acq On : 16 Mar 2020 20:56
 Operator : SY/MD
 Sample : L1940-15
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DB0

Quant Time: Mar 18 05:19:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 18 03:17:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	360947	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	348573	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	167188	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	99886	41.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.08%
7) Chloroethane-d5	1.58	69	79083	44.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.56%
11) 1,1-Dichloroethene-d2	2.12	63	126093	34.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.36%
21) 2-Butanone-d5	3.93	46	102491	69.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	69.90%
24) Chloroform-d	4.38	84	223079	44.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.06%
26) 1,2-Dichloroethane-d4	5.06	65	146037	46.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.02%
32) Benzene-d6	5.08	84	453602	47.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.48%
36) 1,2-Dichloropropane-d6	6.10	67	136289	47.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.32%
41) Toluene-d8	7.34	98	440656	46.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.80%
43) trans-1,3-Dichloropropene-	7.64	79	63844	42.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.00%
47) 2-Hexanone-d5	8.12	63	120326	93.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.22%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	192506	45.98	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.96%
64) 1,2-Dichlorobenzene-d4	11.65	152	180440	49.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.54%

Target Compounds

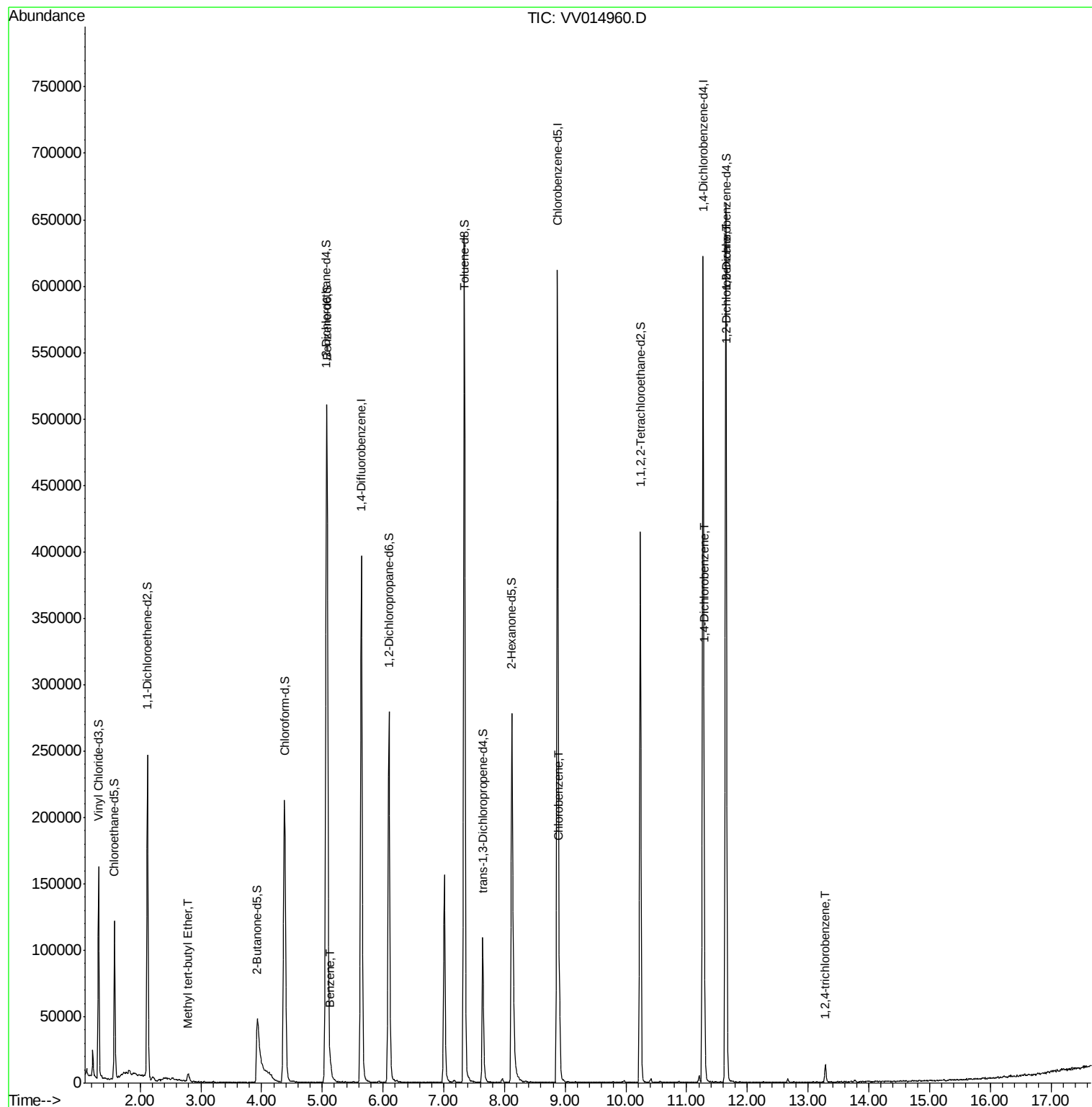
					Ovalue
18) Methyl tert-butyl Ether	2.79	73	6221	0.818 ug/L	98
33) Benzene	5.13	78	11600	1.223 ug/L	100
51) Chlorobenzene	8.90	112	35950	4.891 ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	32646	5.882 ug/L	97
65) 1,2-Dichlorobenzene	11.66	146	14569	2.647 ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	4701	1.221 ug/L	94

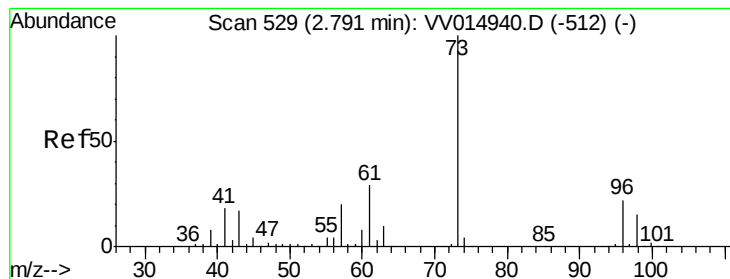
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 18 03:17:46 2020
Response via : Initial Calibration



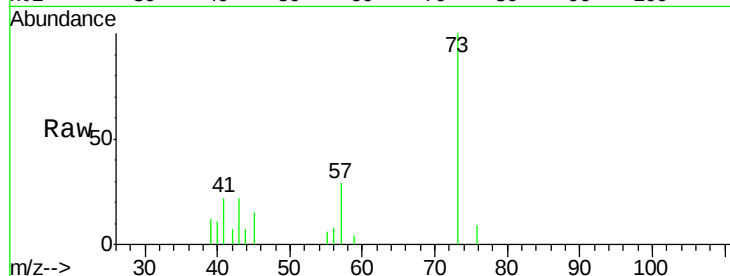


#18

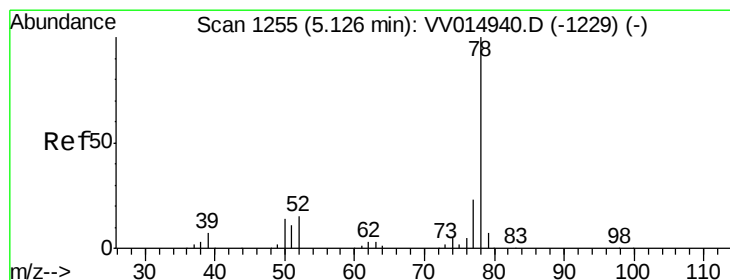
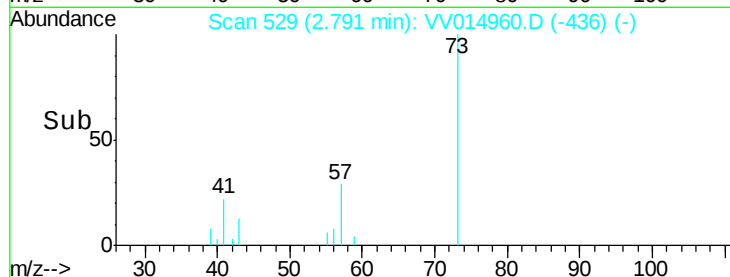
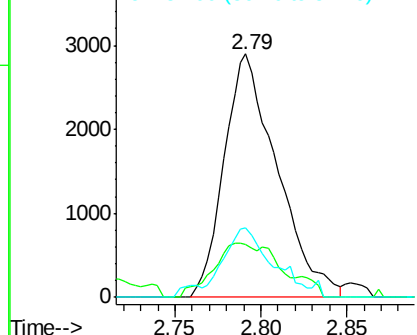
Methvl tert-butvl Ether
 Concen: 0.818 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV014960.D
 Acq: 16 Mar 2020 20:56

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DB0

Tot Ion: 73 Resp: 6221
 Ion Ratio Lower Upper
 73 100
 43 17.8 14.4 21.6
 57 18.6 16.0 24.0



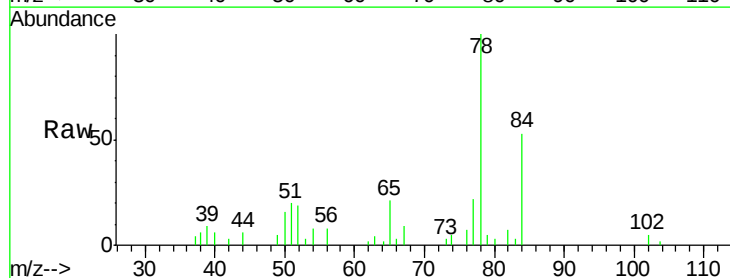
Abundance Ion 73.00 (72.70 to 73.70): VV0
 Ion 43.00 (42.70 to 43.70): VV0
 Ion 57.00 (56.70 to 57.70): VV0



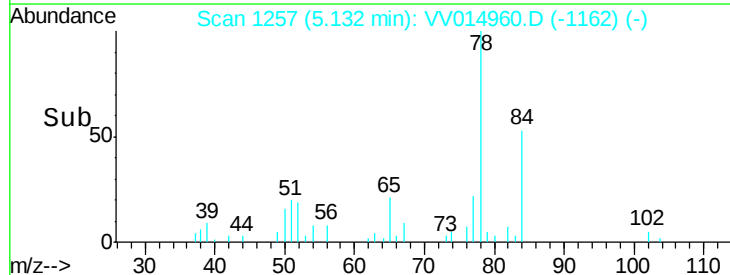
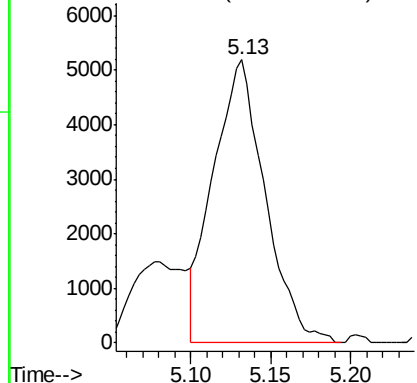
#33

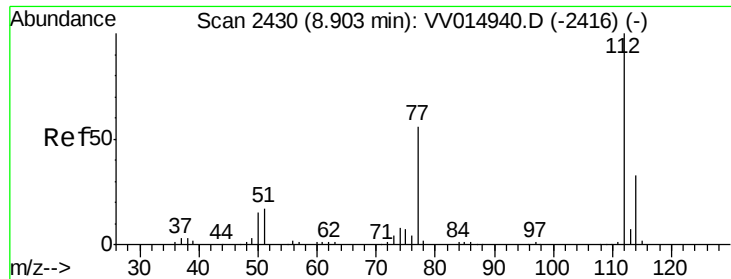
Benzene
 Concen: 1.223 ug/L
 RT: 5.13 min Scan# 1257
 Delta R.T. 0.01 min
 Lab File: VV014960.D
 Acq: 16 Mar 2020 20:56

Tgt Ion: 78 Resp: 11600



Abundance Ion 78.00 (77.70 to 78.70): VV0





#51

Chlorobenzene

Concen: 4.891 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV014960.D

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Instrument :

MSVOA_V

ClientSampleId :

C0DB0

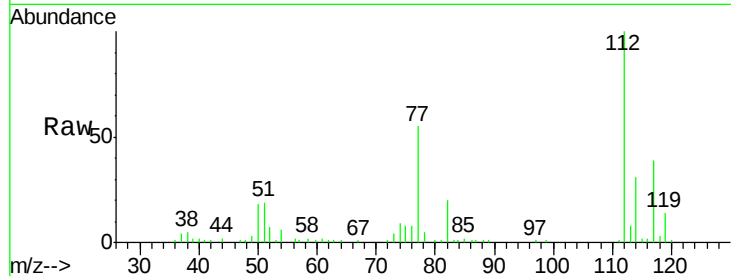
Tot Ion:112 Resp: 35950

Ion Ratio Lower Upper

112 100

114 31.2 22.8 42.4

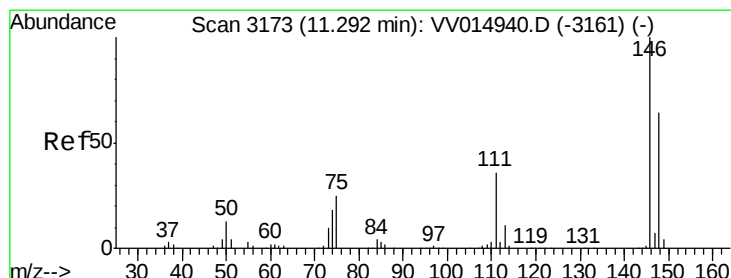
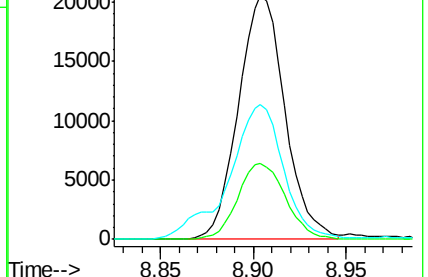
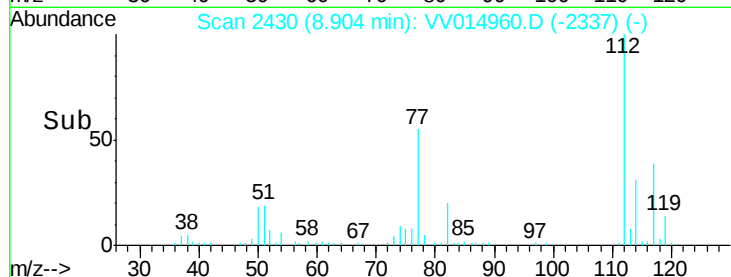
77 55.4 44.5 66.7



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



#63

1,4-Dichlorobenzene

Concen: 5.882 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV014960.D

Acq: 16 Mar 2020 20:56

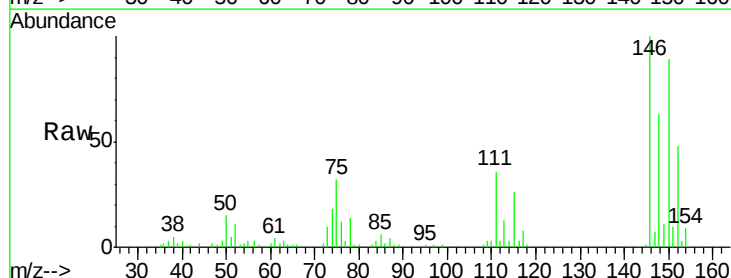
Tgt Ion:146 Resp: 32646

Ion Ratio Lower Upper

146 100

111 35.5 26.0 48.2

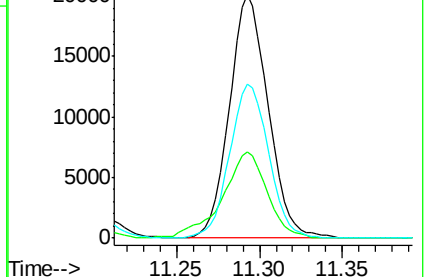
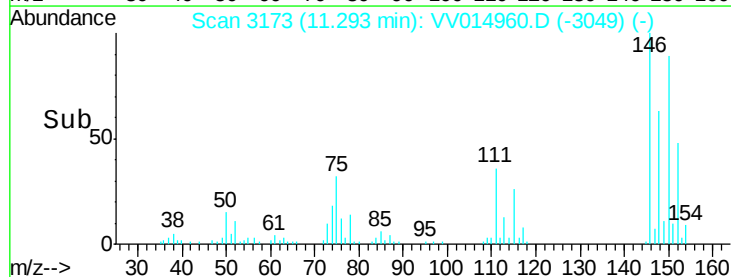
148 63.4 46.1 85.5

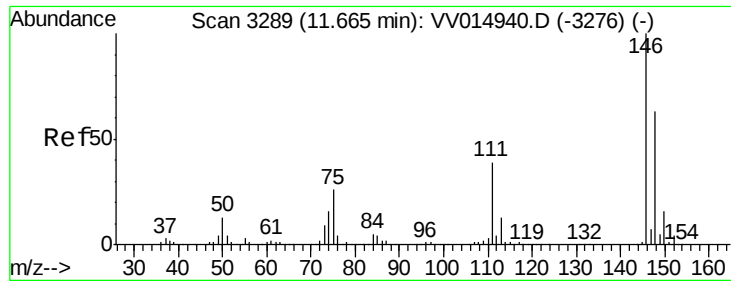


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 2.647 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. -0.00 min

Lab File: VV014960.D

Acq: 16 Mar 2020 20:56

Instrument :

MSVOA_V

ClientSampleId :

C0DB0

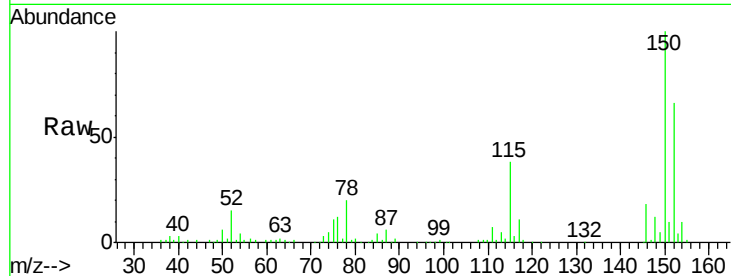
Tot Ion:146 Resp: 14569

Ion Ratio Lower Upper

146 100

111 39.9 31.6 47.4

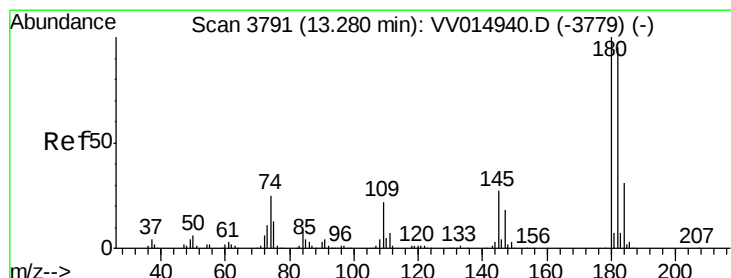
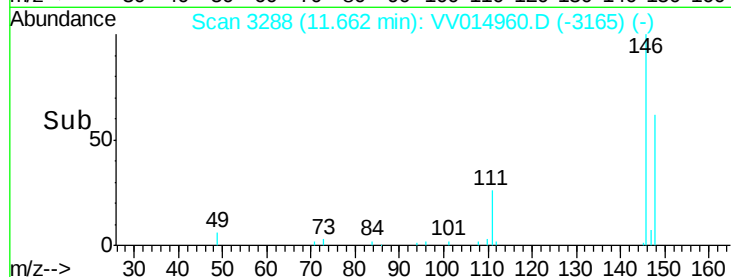
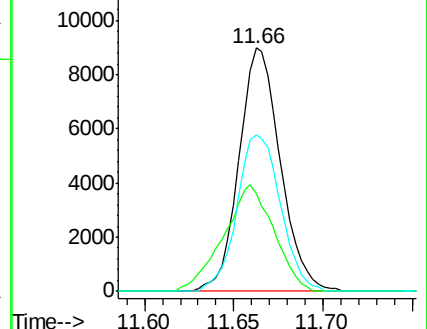
148 64.2 52.2 78.4



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



#68

1,2,4-trichlorobenzene

Concen: 1.221 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.01 min

Lab File: VV014960.D

Acq: 16 Mar 2020 20:56

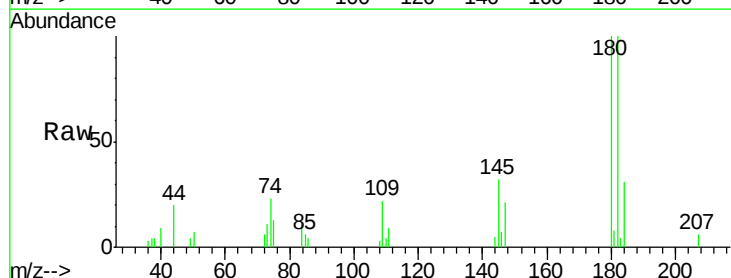
Tgt Ion:180 Resp: 4701

Ion Ratio Lower Upper

180 100

182 102.5 76.3 114.5

145 29.7 23.1 34.7



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

