

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031820\
 Data File : VV015027.D
 Acq On : 18 Mar 2020 20:48
 Operator : SY/MD
 Sample : L1941-06DL 100X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DB6DL

Quant Time: Mar 19 05:10:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 19 04:08:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	337431	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	329428	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	167911	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	83252	52.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	105.62%
7) Chloroethane-d5	1.58	69	66001	53.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.78%
11) 1,1-Dichloroethene-d2	2.12	63	105008	38.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.94%
21) 2-Butanone-d5	3.93	46	104305	97.58	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.58%
24) Chloroform-d	4.38	84	199137	49.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.66%
26) 1,2-Dichloroethane-d4	5.06	65	130777	51.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.94%
32) Benzene-d6	5.08	84	410837	52.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.10%
36) 1,2-Dichloropropane-d6	6.09	67	118093	51.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.26%
41) Toluene-d8	7.34	98	399556	50.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.54%
43) trans-1,3-Dichloropropene-	7.64	79	58455	47.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.62%
47) 2-Hexanone-d5	8.12	63	111966	106.23	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.23%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	171610	49.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.72%
64) 1,2-Dichlorobenzene-d4	11.65	152	177315	52.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.20%

Target Compounds

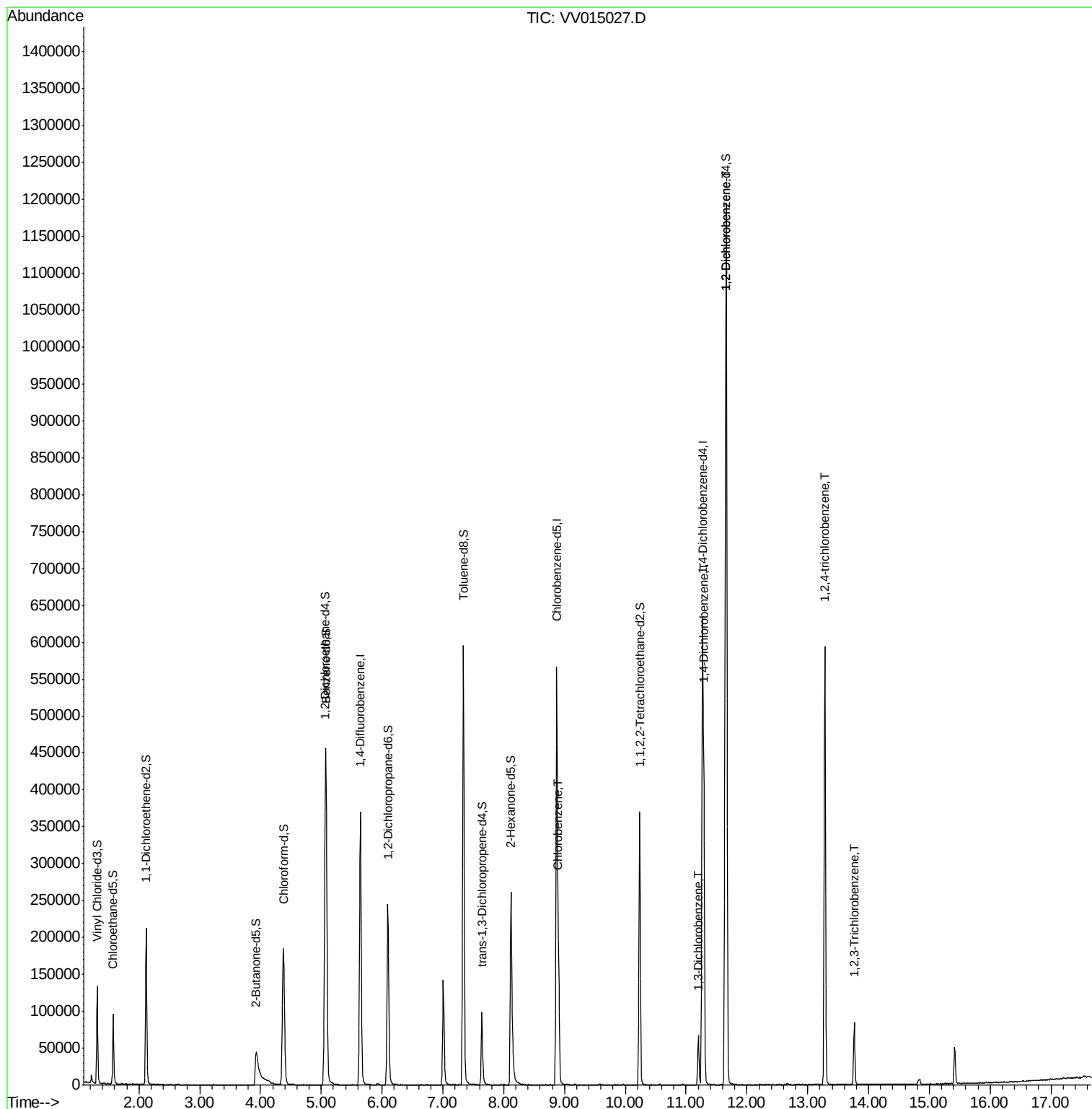
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
51) Chlorobenzene	8.90	112	97558	15.221	ug/L	97
62) 1,3-Dichlorobenzene	11.20	146	29249	5.787	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	173246	32.931	ug/L	99
65) 1,2-Dichlorobenzene	11.66	146	447517	83.363	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	203524	55.266	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	28561	7.894	ug/L	98

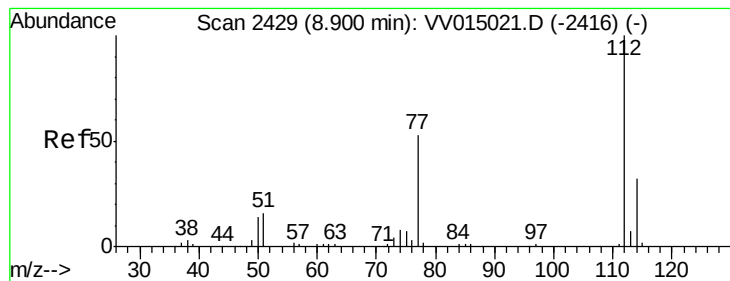
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Mar 19 04:08:09 2020
Response via : Initial Calibration





#51

Chlorobenzene

Concen: 15.221 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. 0.00 min

Lab File: VV015027.D

Acq: 18 Mar 2020 20:48

Instrument :

MSVOA_V

ClientSampleId :

C0DB6DL

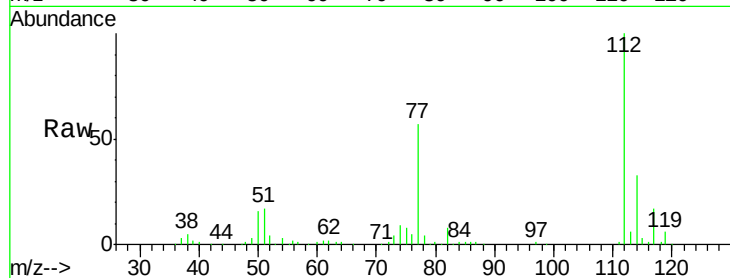
Tot Ion:112 Resp: 97558

Ion Ratio Lower Upper

112 100

114 33.1 22.4 41.6

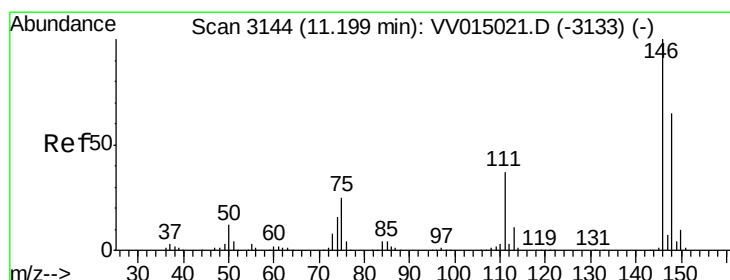
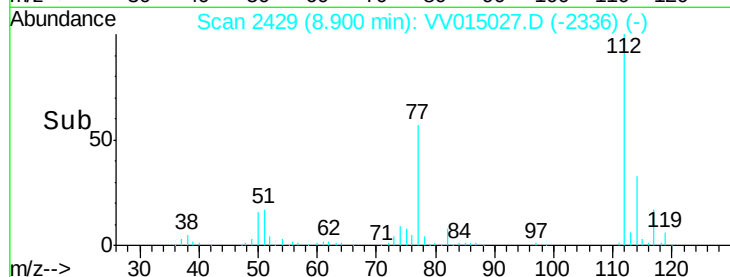
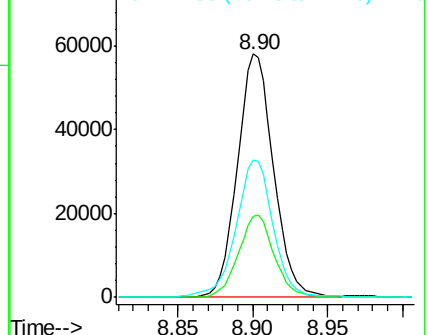
77 56.6 42.9 64.3



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: 5.787 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015027.D

Acq: 18 Mar 2020 20:48

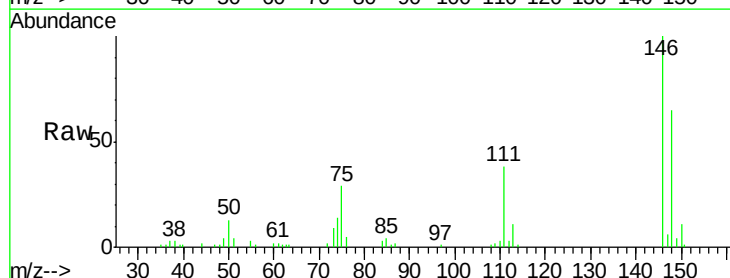
Tgt Ion:146 Resp: 29249

Ion Ratio Lower Upper

146 100

111 37.9 25.7 47.7

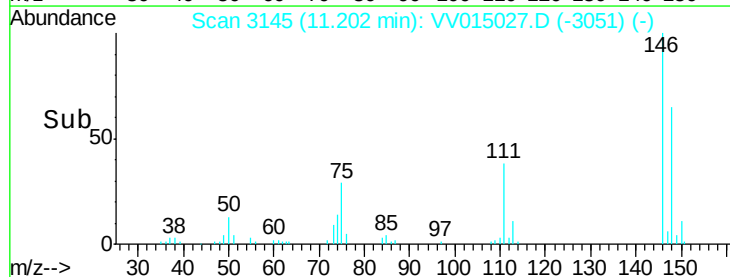
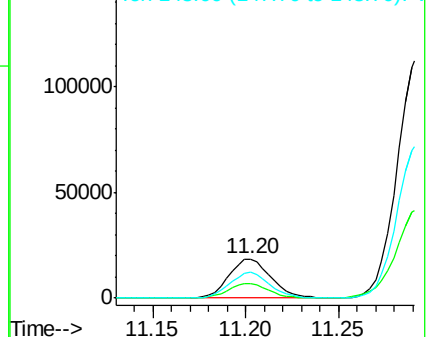
148 65.1 45.4 84.4

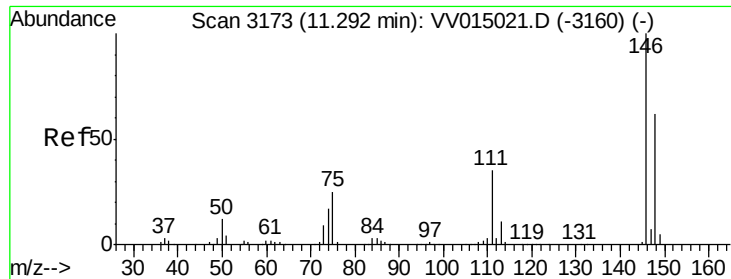


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

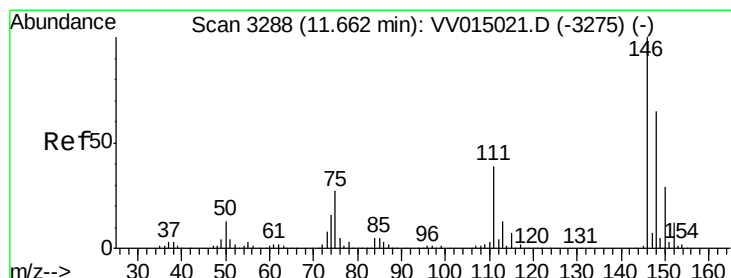
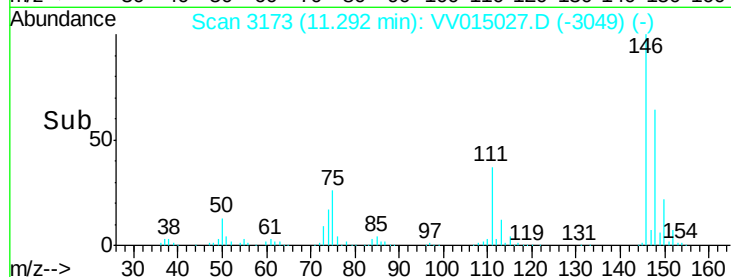
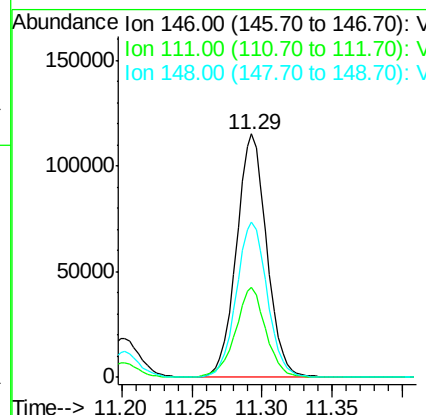
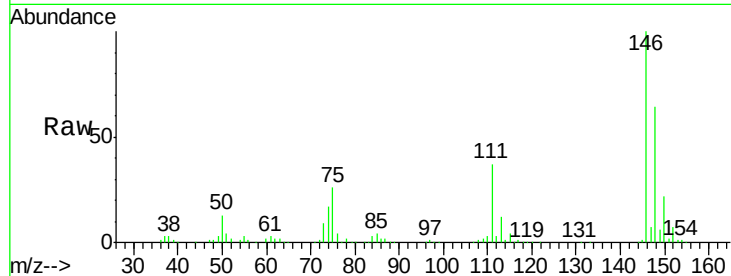




#63
 1,4-Dichlorobenzene
 Concen: 32.931 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV015027.D
 Acq: 18 Mar 2020 20:48

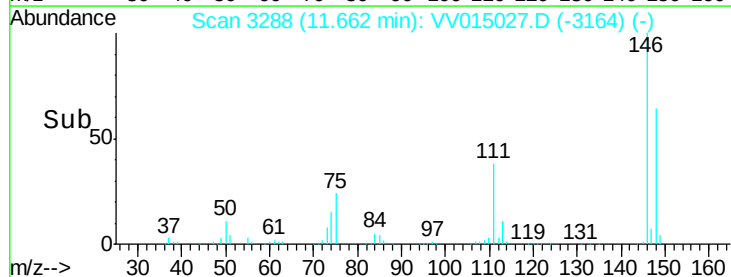
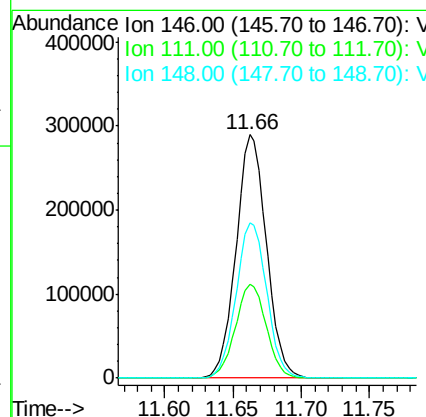
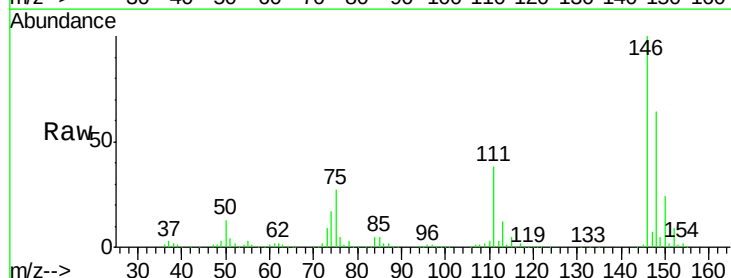
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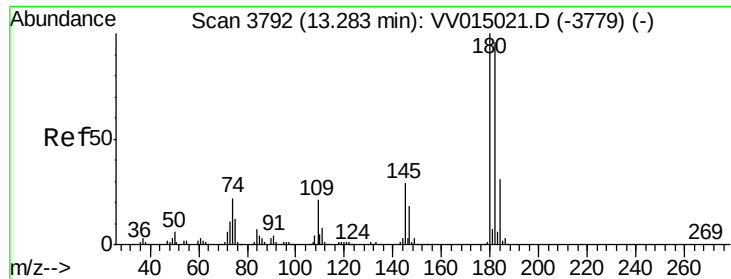
Tot Ion:146 Resp: 173246
 Ion Ratio Lower Upper
 146 100
 111 37.0 25.8 48.0
 148 63.9 45.7 84.9



#65
 1,2-Dichlorobenzene
 Concen: 83.363 ug/L
 RT: 11.66 min Scan# 3288
 Delta R.T. 0.00 min
 Lab File: VV015027.D
 Acq: 18 Mar 2020 20:48

Tgt Ion:146 Resp: 447517
 Ion Ratio Lower Upper
 146 100
 111 38.4 31.5 47.3
 148 64.0 51.7 77.5

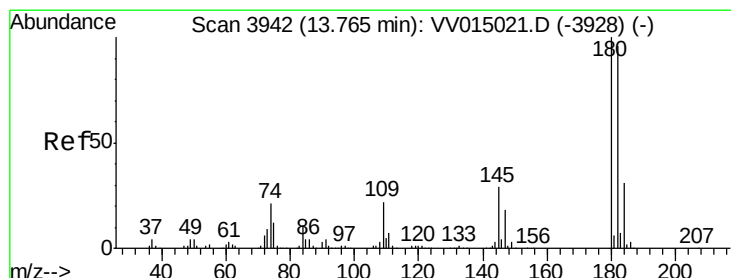
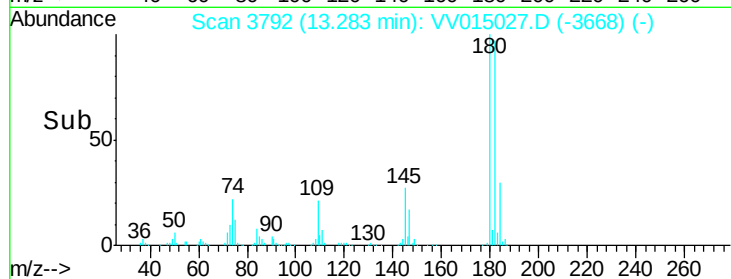
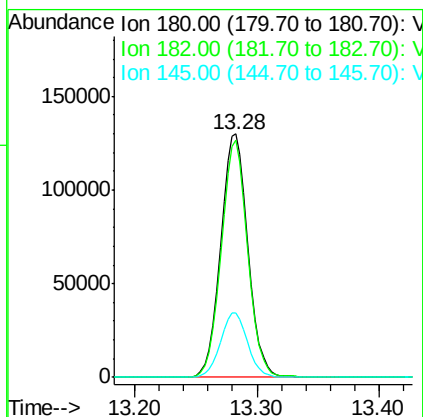
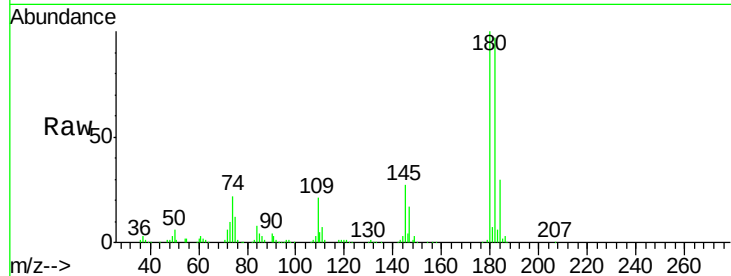




#68
 1,2,4-trichlorobenzene
 Concen: 55.266 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV015027.D
 Acq: 18 Mar 2020 20:48

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DB6DL

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.3	114.5
145	26.4	22.2	33.4



#70
 1,2,3-Trichlorobenzene
 Concen: 7.894 ug/L
 RT: 13.77 min Scan# 3942
 Delta R.T. 0.00 min
 Lab File: VV015027.D
 Acq: 18 Mar 2020 20:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.7	75.5	113.3
145	27.8	23.5	35.3

