

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091319\
 Data File : VV012744.D
 Acq On : 13 Sep 2019 23:10
 Operator : SY/MD
 Sample : K4868-01
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0MK4

Quant Time: Sep 14 02:04:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM091319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 14 00:19:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	808011	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	748296	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	279911	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	200894	43.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.74%
7) Chloroethane-d5	1.58	69	189579	46.26	ug/L	0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.52%
11) 1,1-Dichloroethene-d2	2.13	63	295141	33.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.26%
21) 2-Butanone-d5	3.92	46	481015	101.29	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.29%
24) Chloroform-d	4.40	84	519701	45.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.60%
26) 1,2-Dichloroethane-d4	5.08	65	335163	48.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.38%
32) Benzene-d6	5.10	84	985259	49.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.68%
36) 1,2-Dichloropropane-d6	6.12	67	351334	49.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.72%
41) Toluene-d8	7.36	98	851316	46.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.20%
43) trans-1,3-Dichloropropene-	7.66	79	137178	46.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.46%
47) 2-Hexanone-d5	8.13	63	253941	93.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.93%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	417788	46.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.70%
64) 1,2-Dichlorobenzene-d4	11.67	152	340463	53.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.58%

Target Compounds

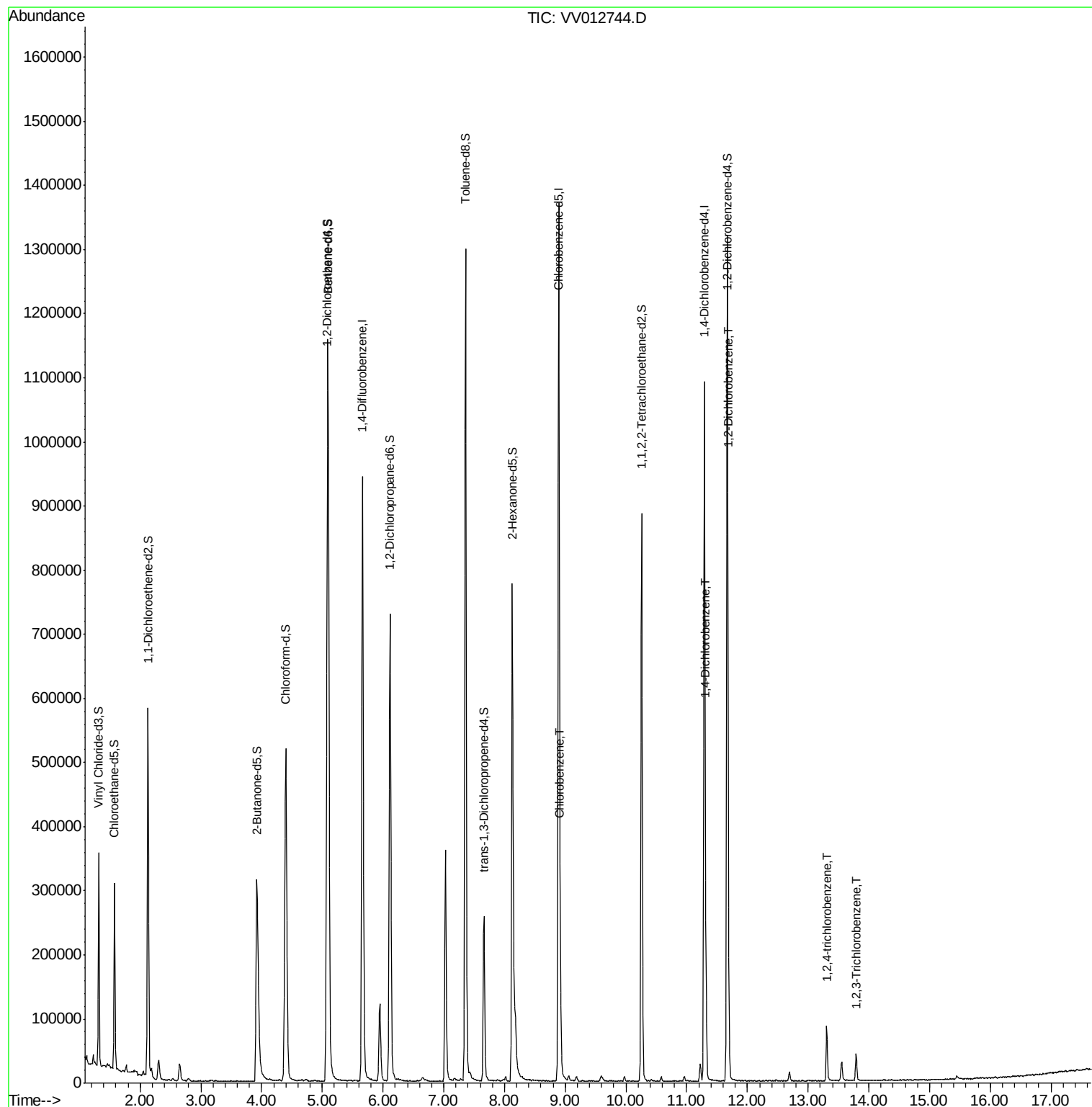
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
51) Chlorobenzene	8.92	112	58259	4.023	ug/L	94
63) 1,4-Dichlorobenzene	11.31	146	65876	7.428	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	61229	6.735	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	26927	4.990	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	13872	2.368	ug/L	96

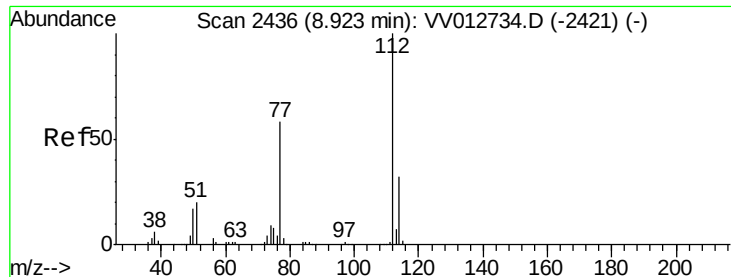
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Sep 14 00:19:14 2019
Response via : Initial Calibration





#51

Chlorobenzene

Concen: 4.023 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV012744.D

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ClientSampleId :

COMK4

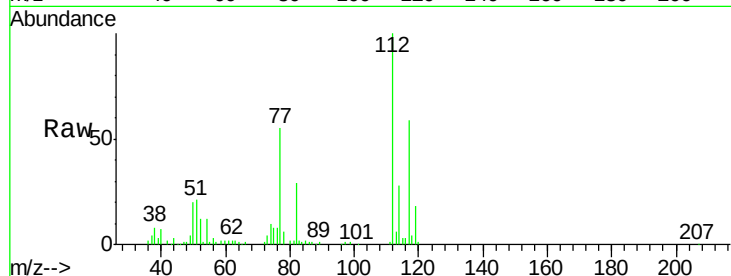
Tot Ion:112 Resp: 58259

Ion Ratio Lower Upper

112 100

114 27.9 22.4 41.6

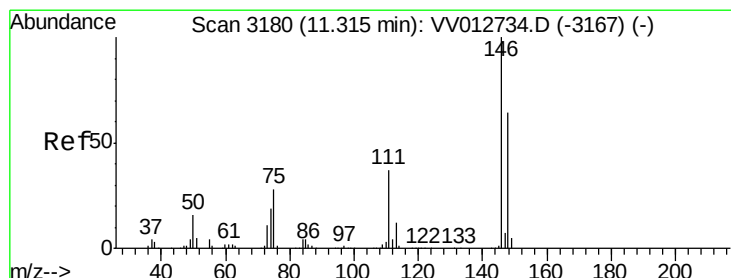
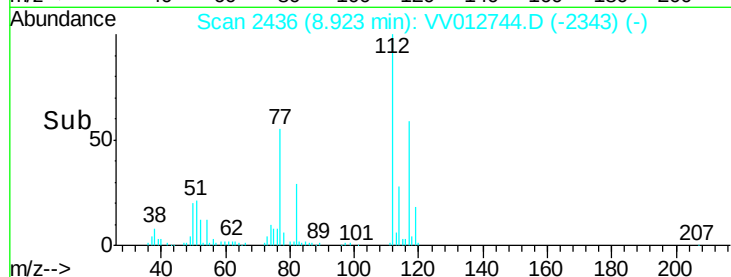
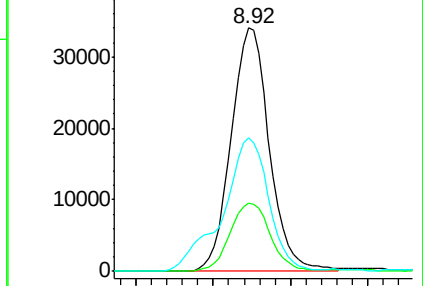
77 54.8 46.7 70.1



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: 7.428 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV012744.D

Acq: 13 Sep 2019 23:10

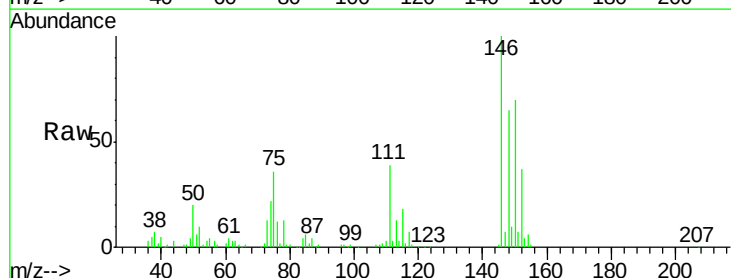
Tgt Ion:146 Resp: 65876

Ion Ratio Lower Upper

146 100

111 38.7 26.2 48.8

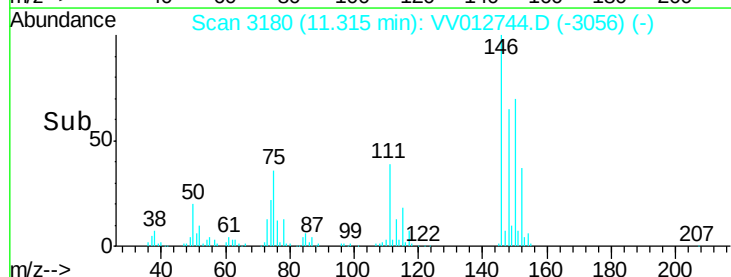
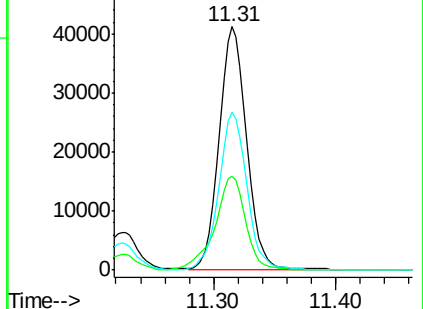
148 64.9 45.0 83.6

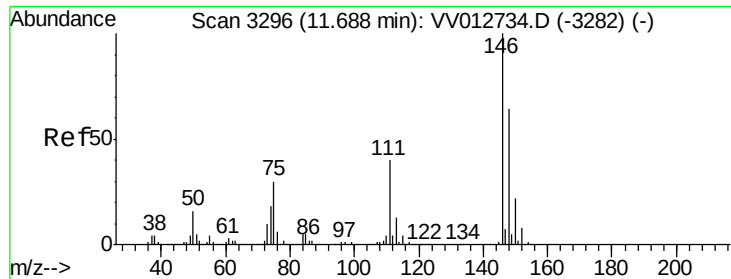


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

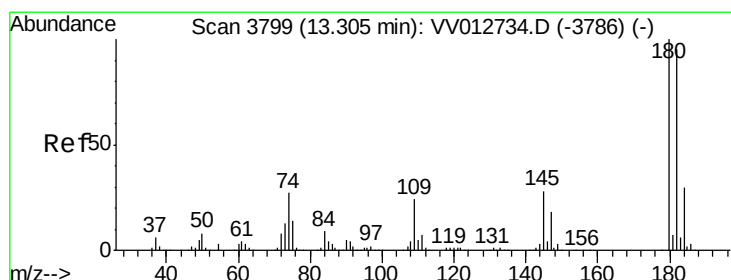
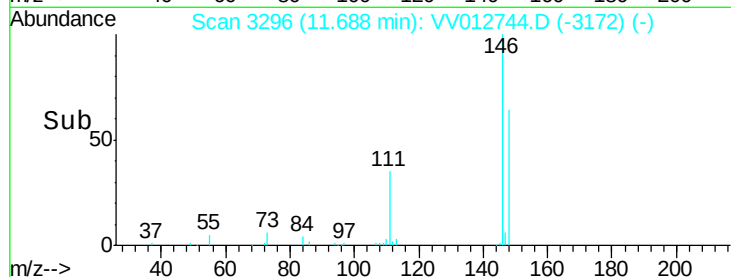
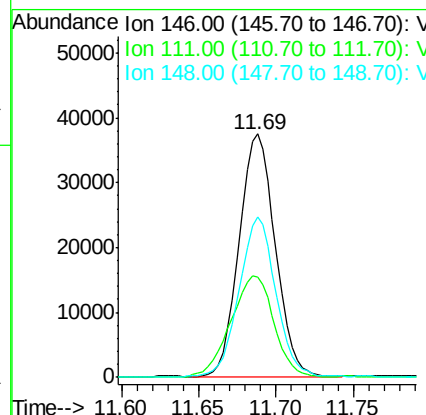
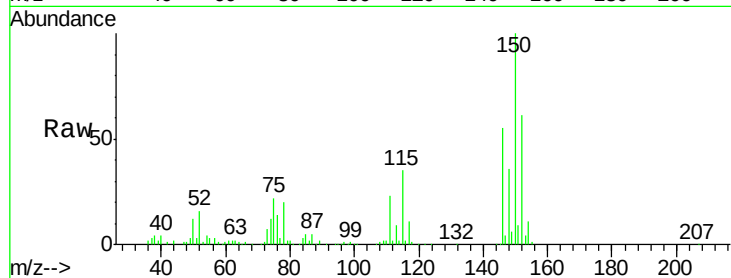




#65
 1,2-Dichlorobenzene
 Concen: 6.735 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV012744.D
 Acq: 13 Sep 2019 23:10

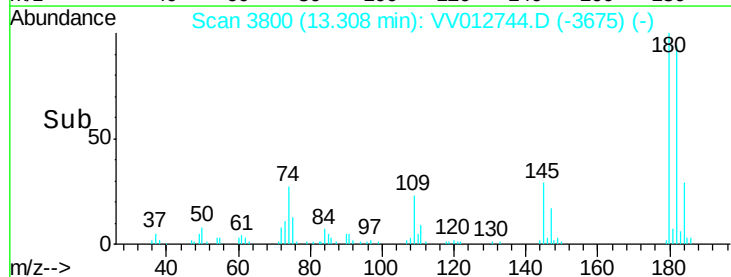
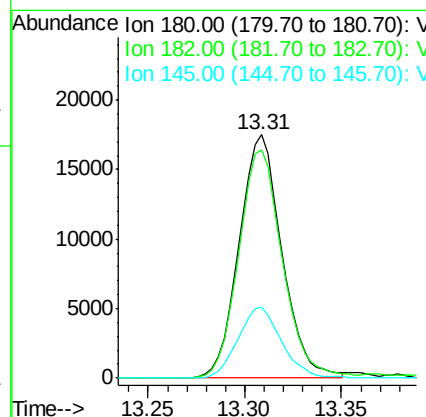
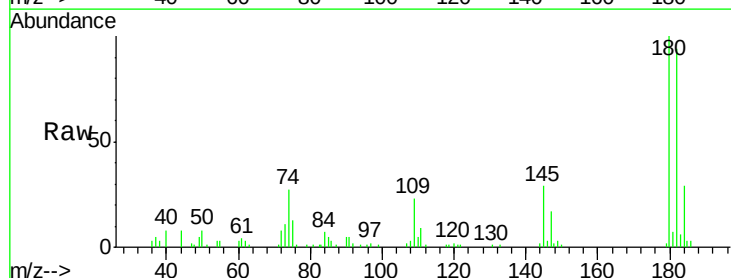
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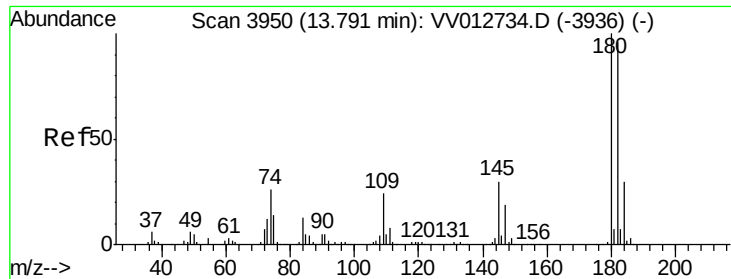
Tot Ion:146 Resp: 61229
 Ion Ratio Lower Upper
 146 100
 111 41.3 32.2 48.2
 148 66.1 51.5 77.3



#68
 1,2,4-trichlorobenzene
 Concen: 4.990 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012744.D
 Acq: 13 Sep 2019 23:10

Tgt Ion:180 Resp: 26927
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.8 115.2
 145 29.6 23.0 34.4

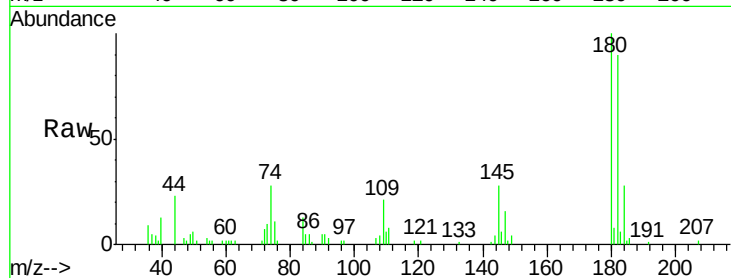




#70
 1,2,3-Trichlorobenzene
 Concen: 2.368 ug/L
 RT: 13.79 min Scan# 3950
 Delta R.T. -0.00 min
 Lab File: VV012744.D
 Acq: 13 Sep 2019 23:10

Instrument :
 MSVOA_V
 ClientSampleId :
 COMK4

Tot Ion:180 Resp: 13872
 Ion Ratio Lower Upper
 180 100
 182 91.8 75.6 113.4
 145 26.9 24.2 36.2



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

