

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV032519\
 Data File : VV009877.D
 Acq On : 25 Mar 2019 21:58
 Operator : SY/MD
 Sample : K2070-08 400X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C09C9

Quant Time: Apr 10 08:15:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 26 07:13:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	172478	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	168552	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	68619	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	83783	47.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.14%
7) Chloroethane-d5	1.56	69	93684	47.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.56%
11) 1,1-Dichloroethene-d2	2.13	63	183901	35.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.84%
21) 2-Butanone-d5	3.93	46	78428	99.77	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.77%
24) Chloroform-d	4.40	84	110186	44.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.98%
26) 1,2-Dichloroethane-d4	5.08	65	77805	47.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.06%
32) Benzene-d6	5.10	84	240294	52.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.04%
36) 1,2-Dichloropropane-d6	6.12	67	74060	52.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.94%
41) Toluene-d8	7.36	98	216286	48.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.56%
43) trans-1,3-Dichloropropene-	7.67	79	27368	42.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.90%
47) 2-Hexanone-d5	8.14	63	58056	100.35	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.35%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	101035	44.11	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.22%
64) 1,2-Dichlorobenzene-d4	11.67	152	81815	51.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.94%

Target Compounds

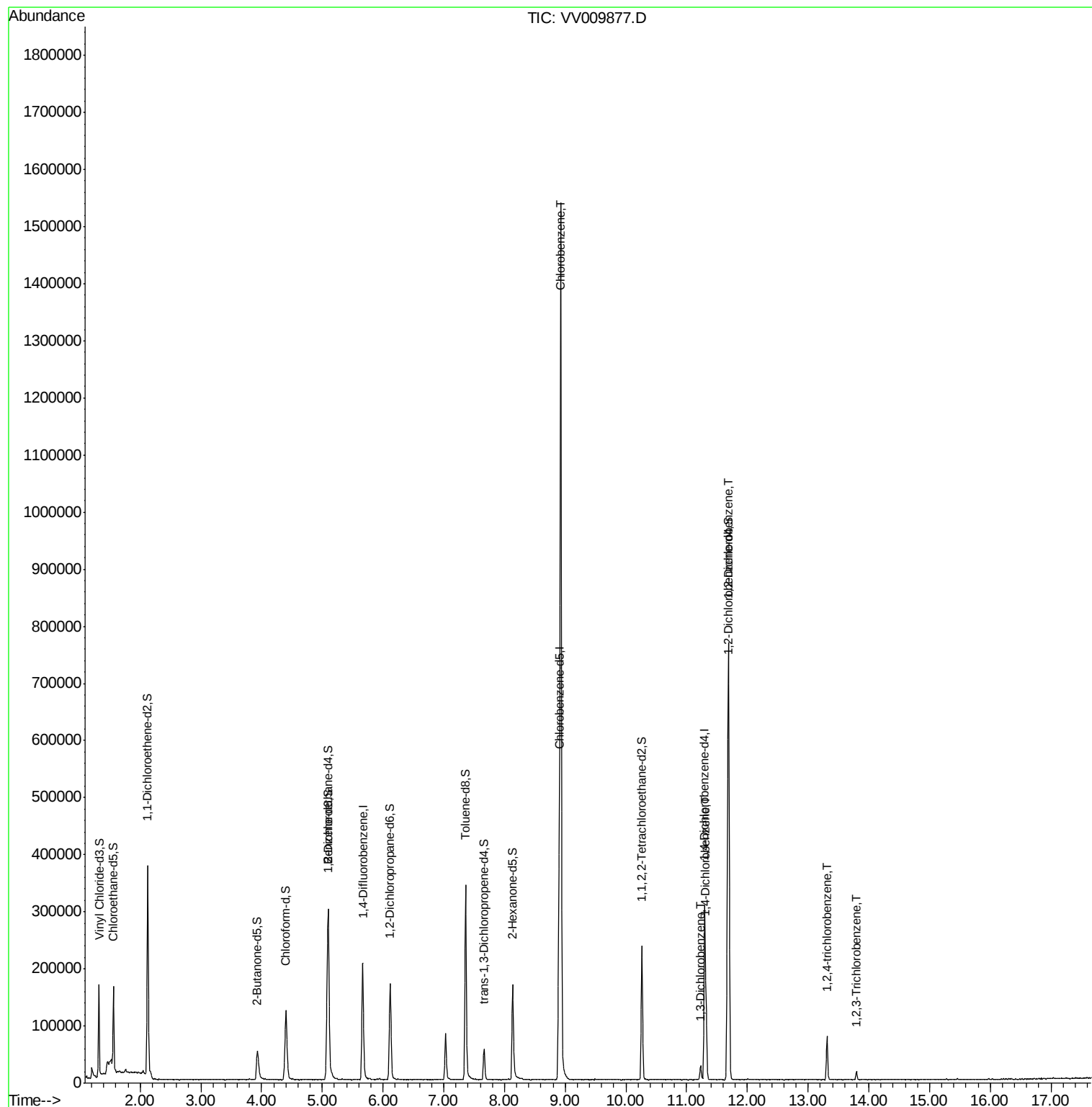
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
51) Chlorobenzene	8.93	112	740844	198.726	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	8918	3.794	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	43560	17.676	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	242692	97.733	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	19958	15.620	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	3728	2.884	ug/L	91

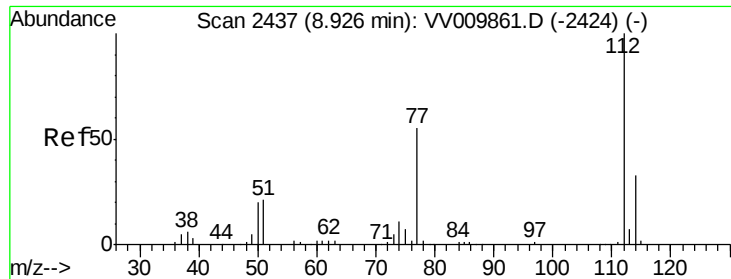
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Mar 26 07:13:38 2019
Response via : Initial Calibration





#51

Chlorobenzene

Concen: 198.726 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV009877.D

Acq: 25 Mar 2019 21:58

Instrument :

MSVOA_V

ClientSampled :

C09C9

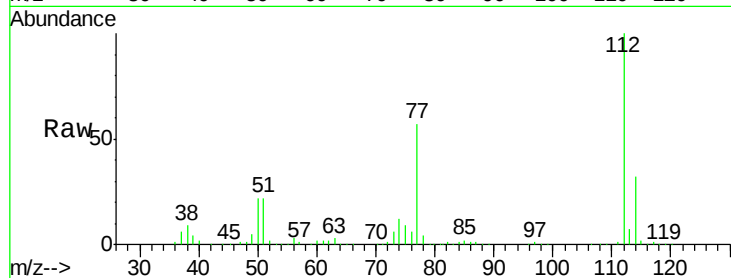
Tot Ion:112 Resp: 740844

Ion Ratio Lower Upper

112 100

114 31.5 23.3 43.3

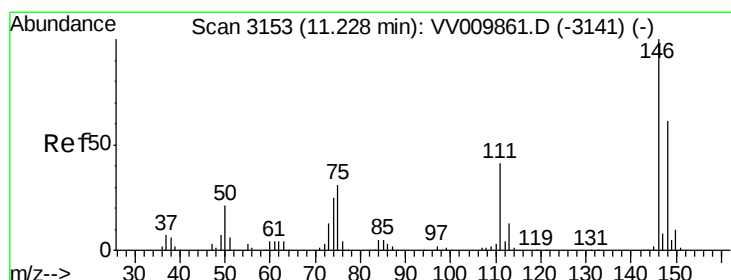
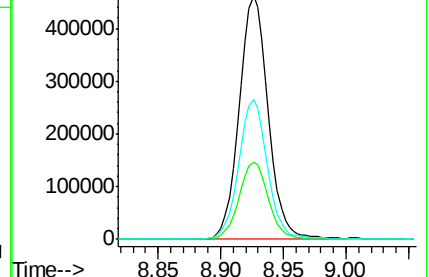
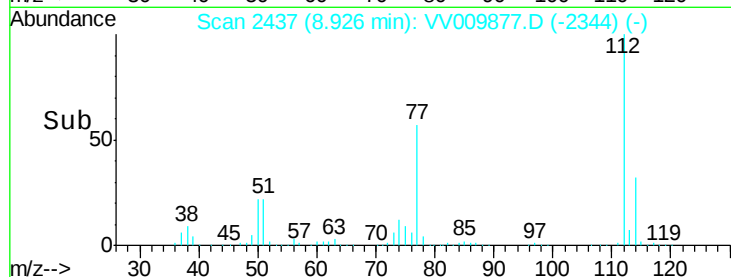
77 57.3 45.8 68.6



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: 3.794 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV009877.D

Acq: 25 Mar 2019 21:58

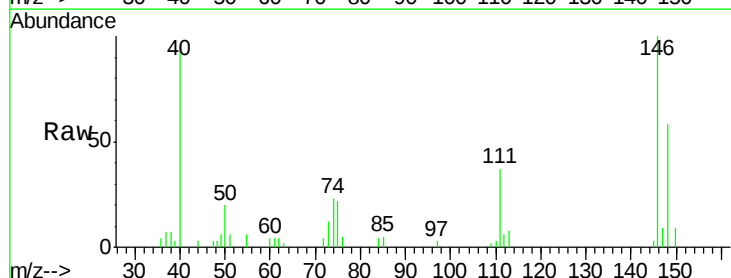
Tgt Ion:146 Resp: 8918

Ion Ratio Lower Upper

146 100

111 37.1 27.5 51.1

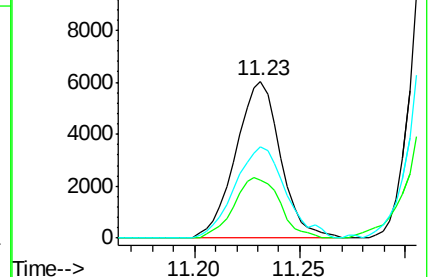
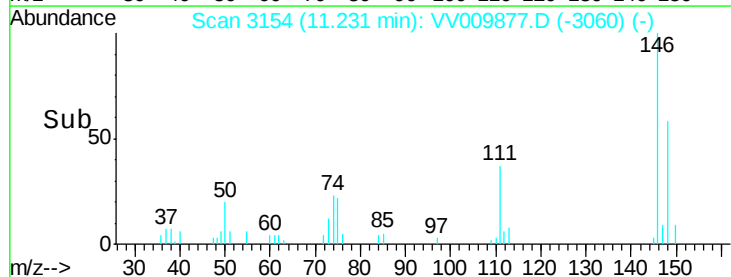
148 57.9 43.0 80.0

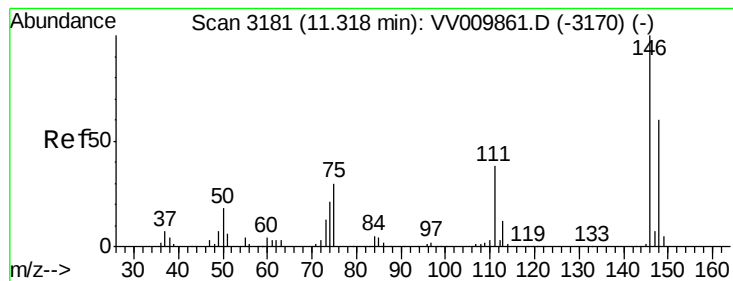


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 17.676 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV009877.D

Acq: 25 Mar 2019 21:58

Instrument :

MSVOA_V

ClientSampleId :

C09C9

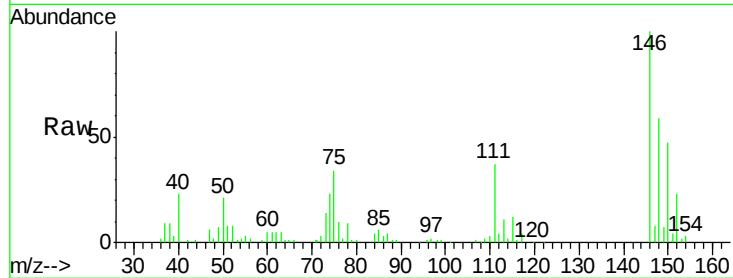
Tot Ion:146 Resp: 43560

Ion Ratio Lower Upper

146 100

111 37.0 26.5 49.3

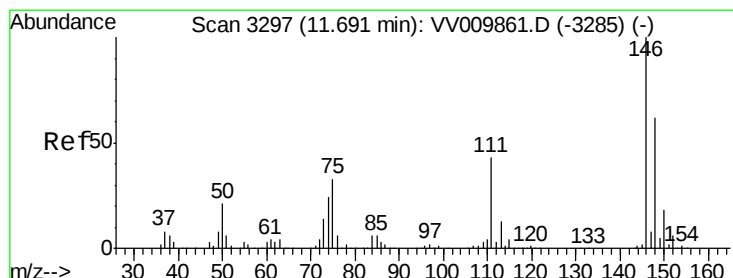
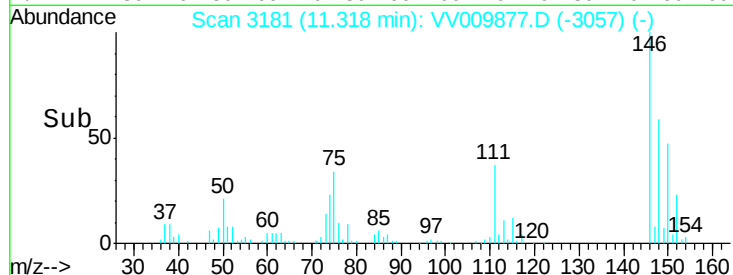
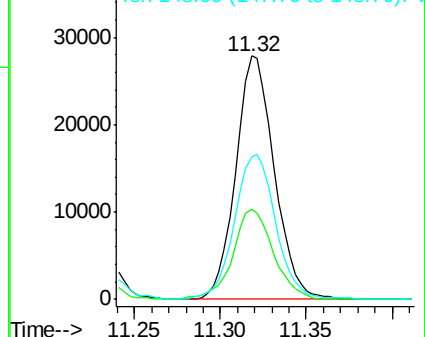
148 58.8 43.2 80.2



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: 97.733 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009877.D

Acq: 25 Mar 2019 21:58

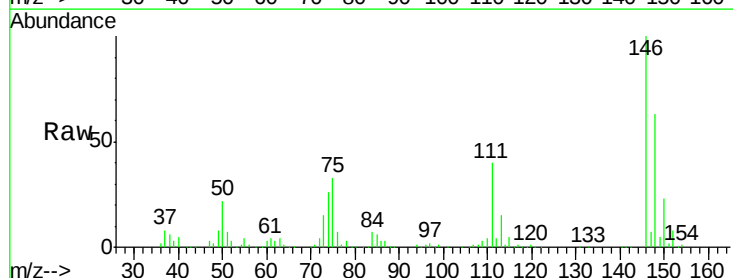
Tgt Ion:146 Resp: 242692

Ion Ratio Lower Upper

146 100

111 40.5 33.0 49.6

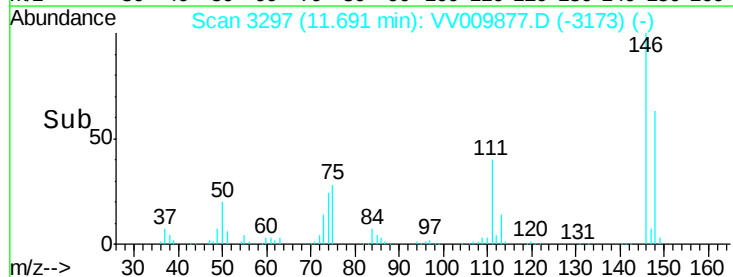
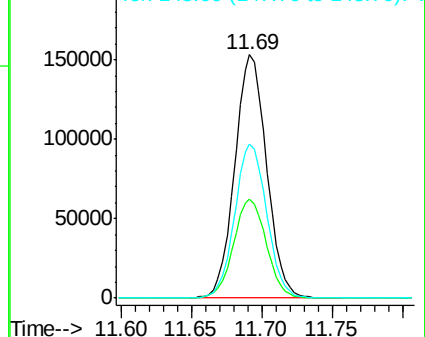
148 63.5 53.2 79.8

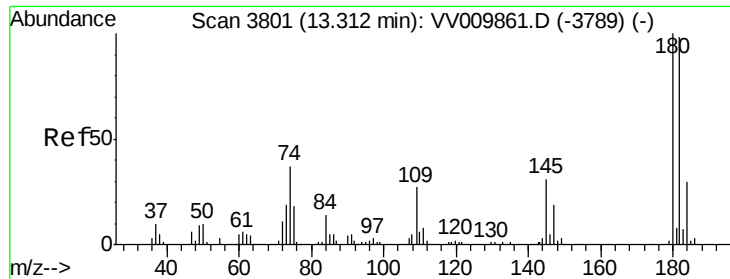


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

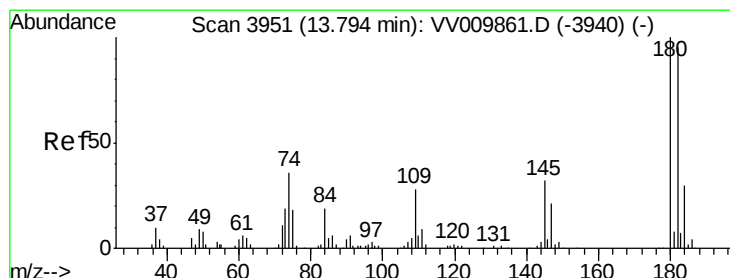
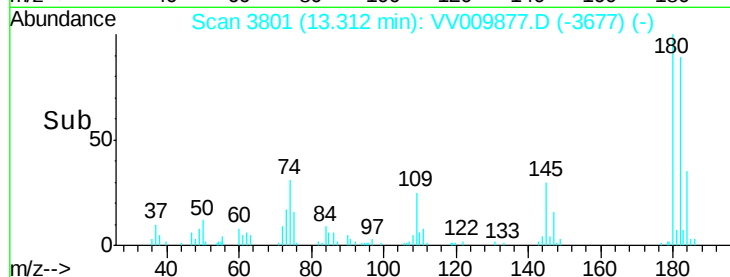
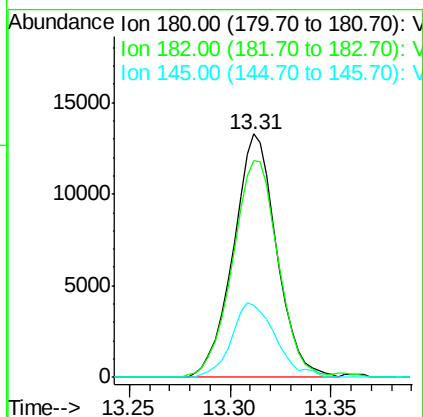
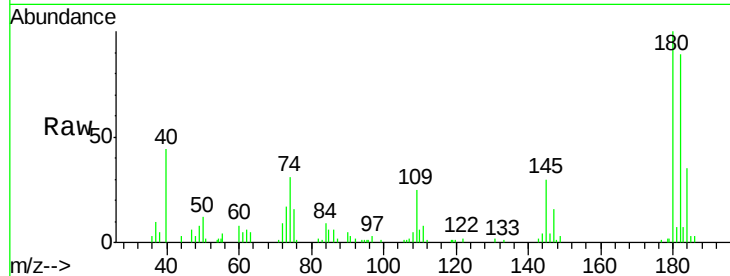




#68
 1,2,4-trichlorobenzene
 Concen: 15.620 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009877.D
 Acq: 25 Mar 2019 21:58

Instrument :
 MSVOA_V
 ClientSampled :
 C09C9

Tot Ion:180 Resp: 19958
 Ion Ratio Lower Upper
 180 100
 182 93.9 77.1 115.7
 145 30.0 24.3 36.5



#70
 1,2,3-Trichlorobenzene
 Concen: 2.884 ug/L
 RT: 13.80 min Scan# 3952
 Delta R.T. 0.00 min
 Lab File: VV009877.D
 Acq: 25 Mar 2019 21:58

Tgt Ion:180 Resp: 3728
 Ion Ratio Lower Upper
 180 100
 182 105.0 75.6 113.4
 145 32.4 24.8 37.2

