

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032519\
 Data File : VV009866.D
 Acq On : 25 Mar 2019 17:32
 Operator : SY/MD
 Sample : K2016-20 5X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C09F0

Quant Time: Mar 26 07:37:14 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	173773	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	176346	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	78316	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	82679	46.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.20%
7) Chloroethane-d5	1.56	69	94610	47.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.78%
11) 1,1-Dichloroethene-d2	2.12	63	176385	33.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.44%
21) 2-Butanone-d5	3.93	46	75026	94.73	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.73%
24) Chloroform-d	4.40	84	110128	44.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.26%
26) 1,2-Dichloroethane-d4	5.08	65	76975	46.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.34%
32) Benzene-d6	5.10	84	235115	49.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.24%
36) 1,2-Dichloropropane-d6	6.12	67	69997	47.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.80%
41) Toluene-d8	7.36	98	207150	44.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.38%
43) trans-1,3-Dichloropropene-	7.66	79	28597	42.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.80%
47) 2-Hexanone-d5	8.14	63	54757	90.47	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.47%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	100987	42.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.28%
64) 1,2-Dichlorobenzene-d4	11.68	152	81977	45.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.36%

Target Compounds

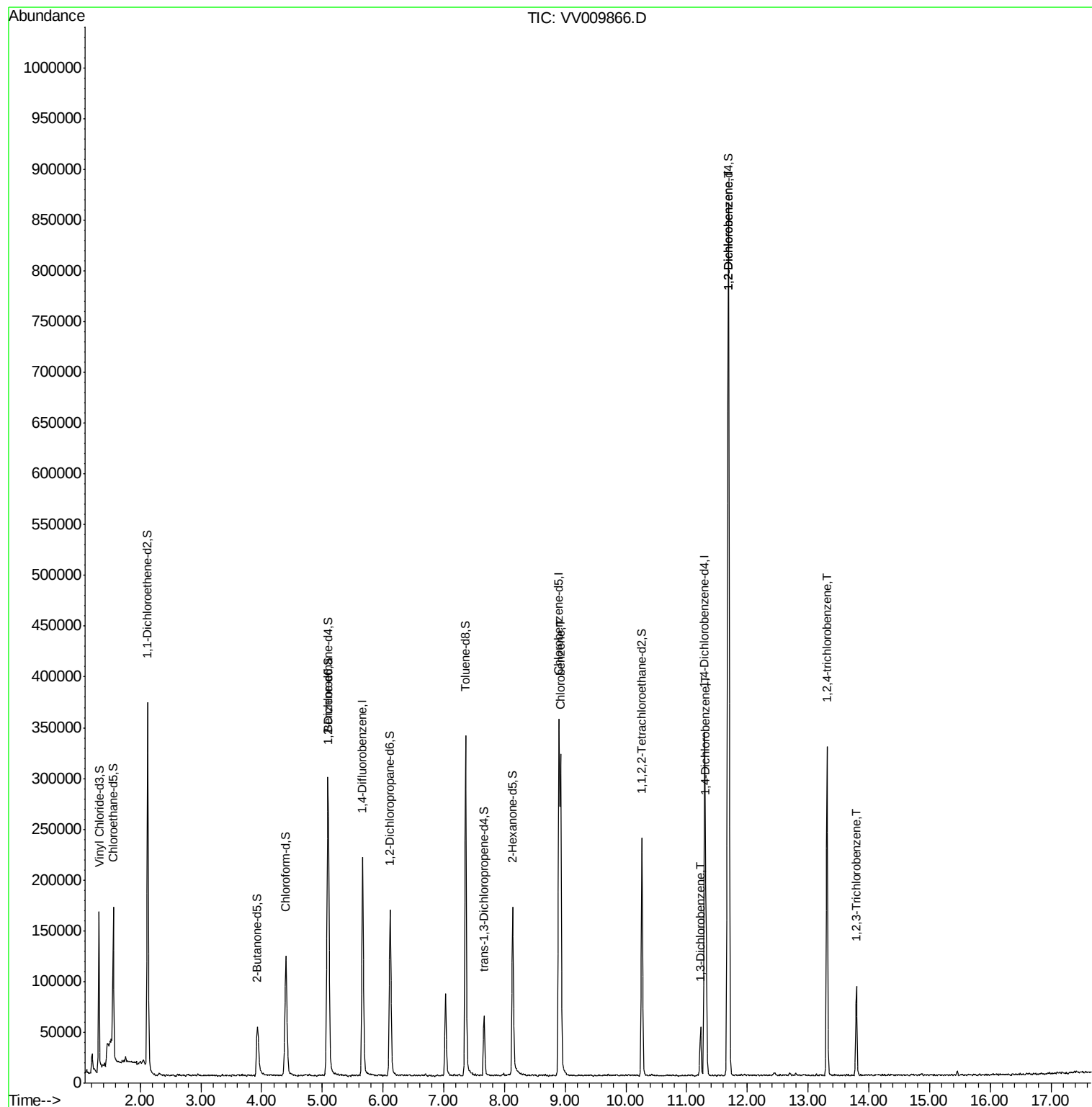
					Ovalue
51) Chlorobenzene	8.93	112	153106	39.254	ug/L 99
62) 1,3-Dichlorobenzene	11.23	146	18446	6.876	ug/L 93
63) 1,4-Dichlorobenzene	11.32	146	49404	17.565	ug/L 96
65) 1,2-Dichlorobenzene	11.69	146	274604	96.892	ug/L 96
68) 1,2,4-trichlorobenzene	13.31	180	84030	57.622	ug/L 99
70) 1,2,3-Trichlorobenzene	13.79	180	22232	15.070	ug/L 98

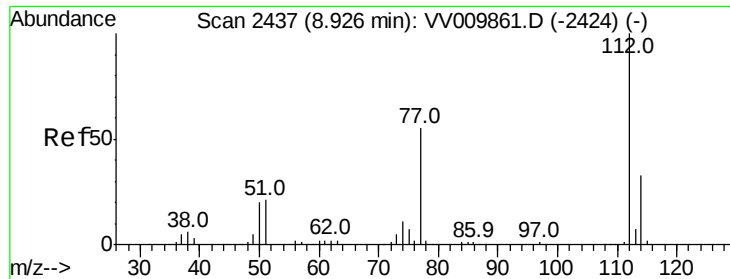
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#51

Chlorobenzene

Concen: 39.254 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV009866.D

Acq: 25 Mar 2019 17:32

Instrument :

MSVOA_V

ClientSampleId :

C09F0

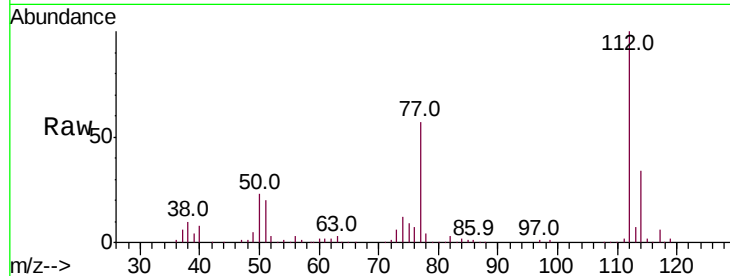
Tot Ion:112 Resp: 153106

Ion Ratio Lower Upper

112 100

114 33.8 23.3 43.3

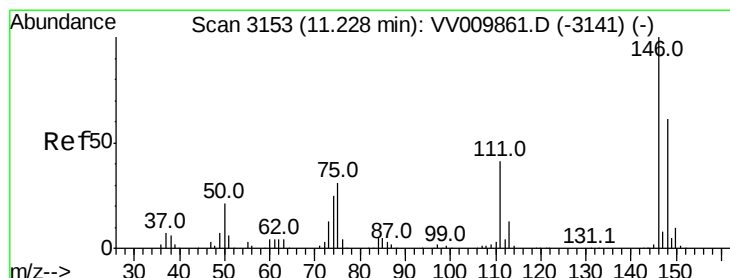
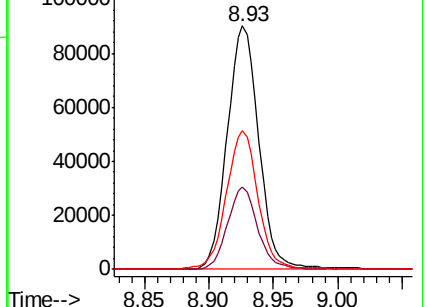
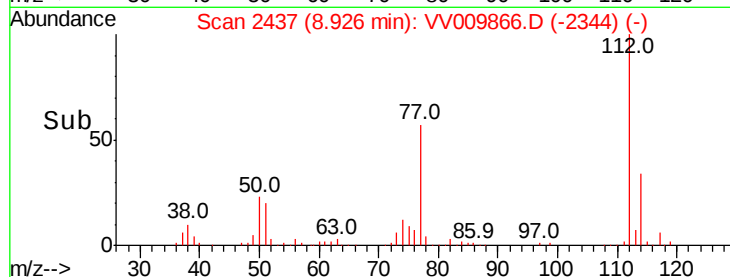
77 56.8 45.8 68.6



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: 6.876 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV009866.D

Acq: 25 Mar 2019 17:32

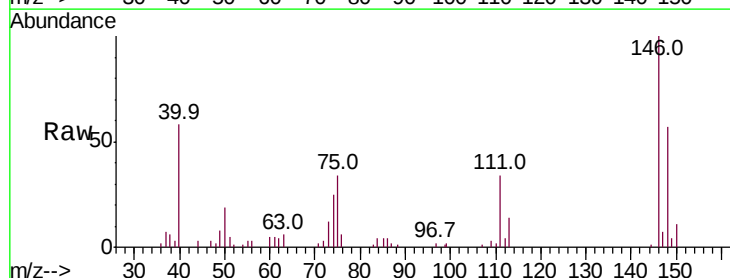
Tgt Ion:146 Resp: 18446

Ion Ratio Lower Upper

146 100

111 33.8 27.5 51.1

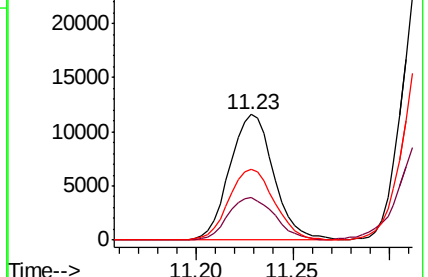
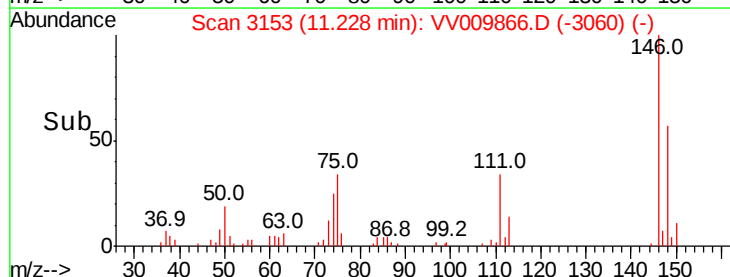
148 57.0 43.0 80.0

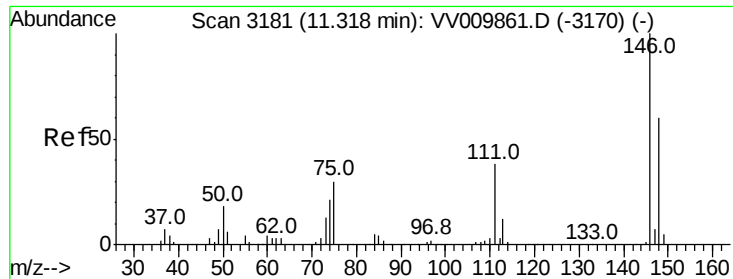


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 17.565 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV009866.D

Acq: 25 Mar 2019 17:32

Instrument :

MSVOA_V

ClientSampleId :

C09F0

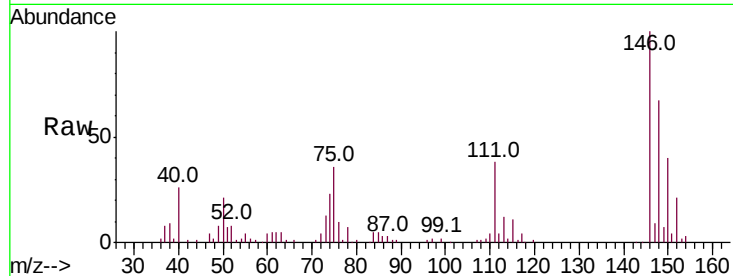
Tot Ion:146 Resp: 49404

Ion Ratio Lower Upper

146 100

111 37.7 26.5 49.3

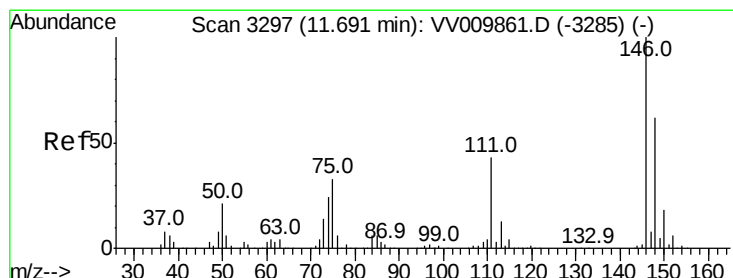
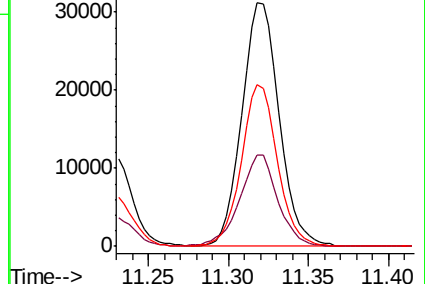
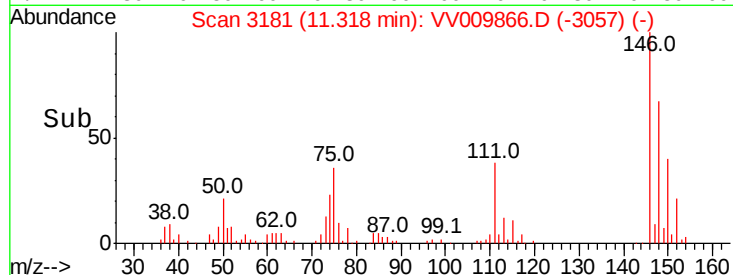
148 66.6 43.2 80.2



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: 96.892 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009866.D

Acq: 25 Mar 2019 17:32

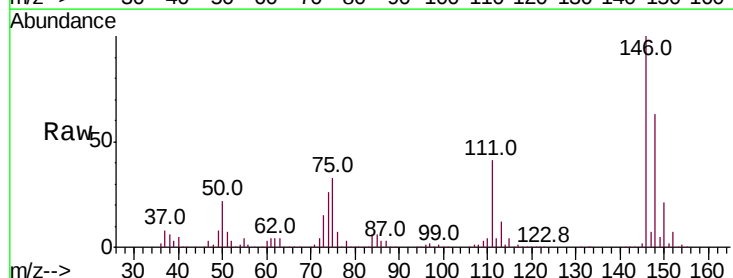
Tgt Ion:146 Resp: 274604

Ion Ratio Lower Upper

146 100

111 40.5 33.0 49.6

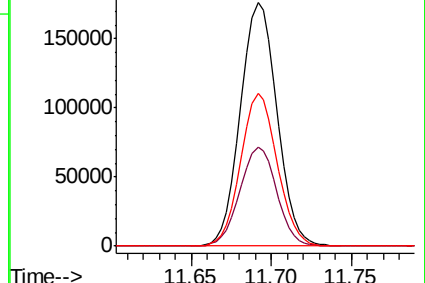
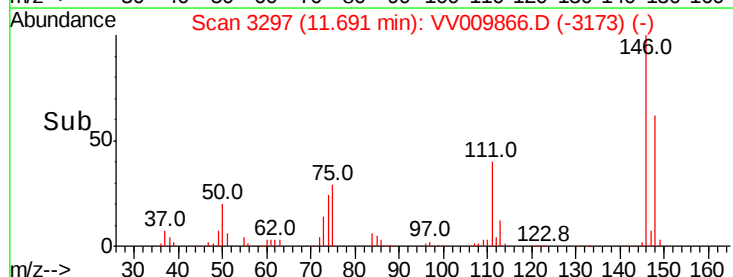
148 62.6 53.2 79.8

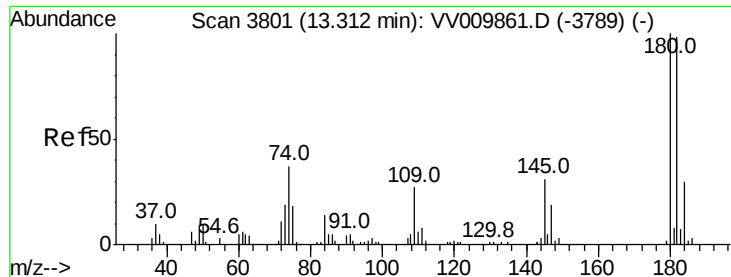


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

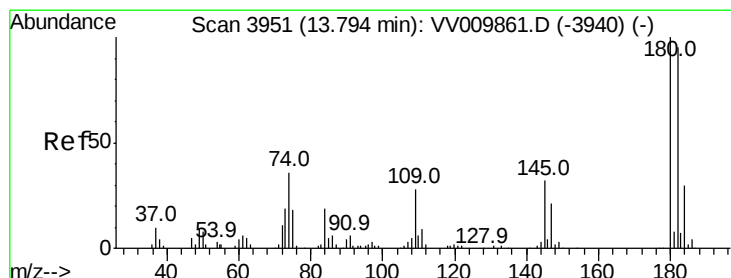
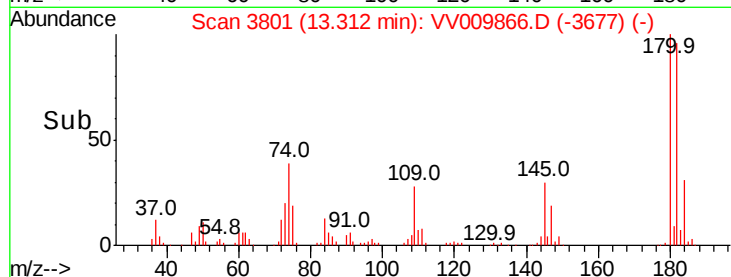
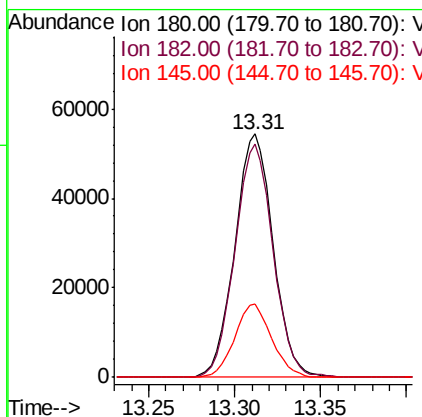
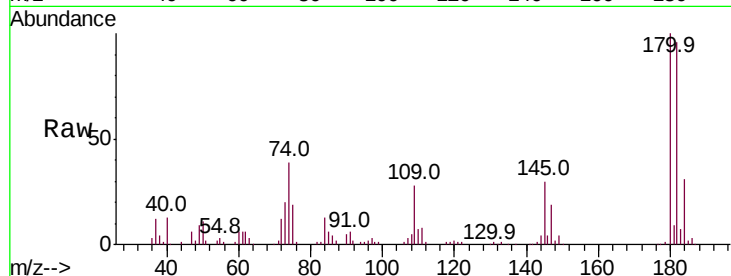




#68
 1,2,4-trichlorobenzene
 Concen: 57.622 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009866.D
 Acq: 25 Mar 2019 17:32

Instrument :
 MSVOA_V
 ClientSampleId :
 C09F0

Tot Ion:180 Resp: 84030
 Ion Ratio Lower Upper
 180 100
 182 95.3 77.1 115.7
 145 29.2 24.3 36.5



#70
 1,2,3-Trichlorobenzene
 Concen: 15.070 ug/L
 RT: 13.79 min Scan# 3951
 Delta R.T. 0.00 min
 Lab File: VV009866.D
 Acq: 25 Mar 2019 17:32

Tgt Ion:180 Resp: 22232
 Ion Ratio Lower Upper
 180 100
 182 96.2 75.6 113.4
 145 31.4 24.8 37.2

