

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032519\
 Data File : VV009870.D
 Acq On : 25 Mar 2019 19:09
 Operator : SY/MD
 Sample : K2070-10 100X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C09D4

Quant Time: Mar 26 07:53:34 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	170184	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	167864	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	71600	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	82018	47.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.40%
7) Chloroethane-d5	1.56	69	93987	48.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.14%
11) 1,1-Dichloroethene-d2	2.13	63	174942	34.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.30%
21) 2-Butanone-d5	3.93	46	74302	95.80	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.80%
24) Chloroform-d	4.40	84	107808	44.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.24%
26) 1,2-Dichloroethane-d4	5.08	65	74366	46.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.08%
32) Benzene-d6	5.10	84	231699	50.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.70%
36) 1,2-Dichloropropane-d6	6.12	67	72278	51.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.84%
41) Toluene-d8	7.36	98	210373	47.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.30%
43) trans-1,3-Dichloropropene-	7.66	79	26567	41.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.76%
47) 2-Hexanone-d5	8.14	63	55593	96.49	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.49%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	99964	43.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.64%
64) 1,2-Dichlorobenzene-d4	11.68	152	80447	48.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.00%

Target Compounds

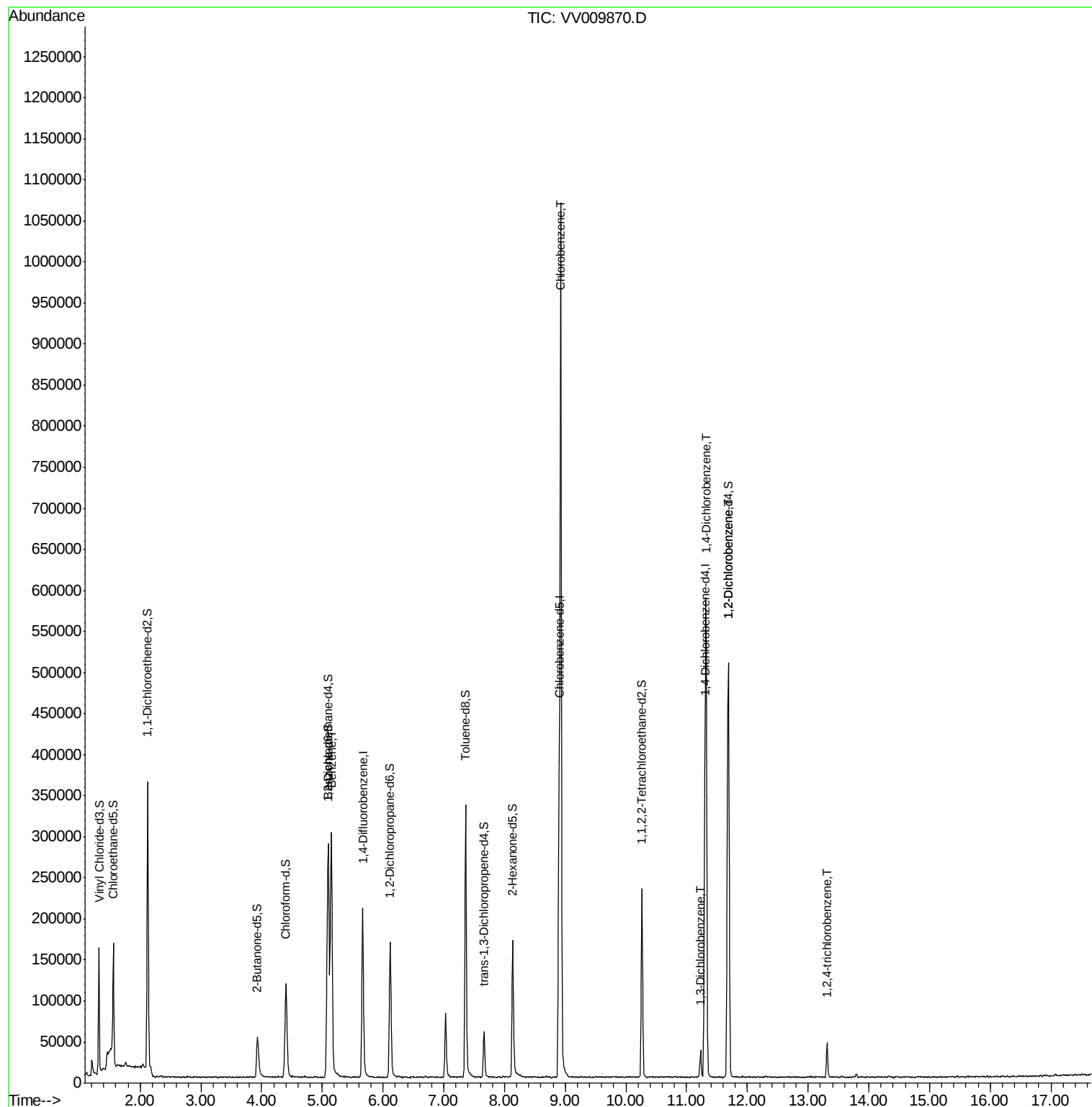
					Ovalue
33) Benzene	5.15	78	287303	58.625	ug/L 100
51) Chlorobenzene	8.93	112	512823	138.125	ug/L 99
62) 1,3-Dichlorobenzene	11.23	146	11642	4.747	ug/L 93
63) 1,4-Dichlorobenzene	11.32	146	199938	77.752	ug/L 99
65) 1,2-Dichlorobenzene	11.69	146	144441	55.745	ug/L 98
68) 1,2,4-trichlorobenzene	13.31	180	11535	8.652	ug/L 93

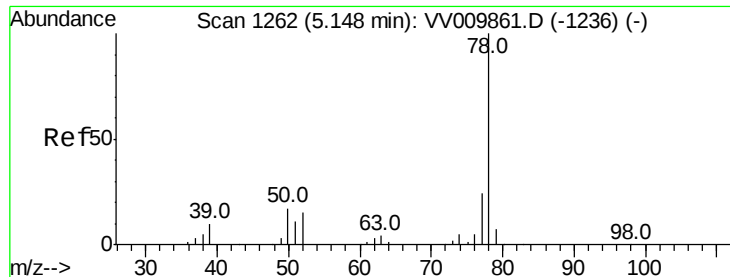
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#33

Benzene

Concen: 58.625 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV009870.D

Acq: 25 Mar 2019 19:09

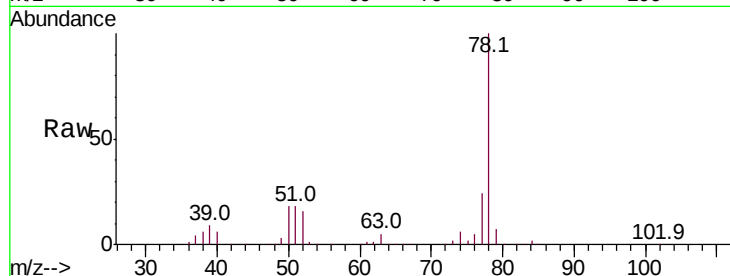
Instrument :

MSVOA_V

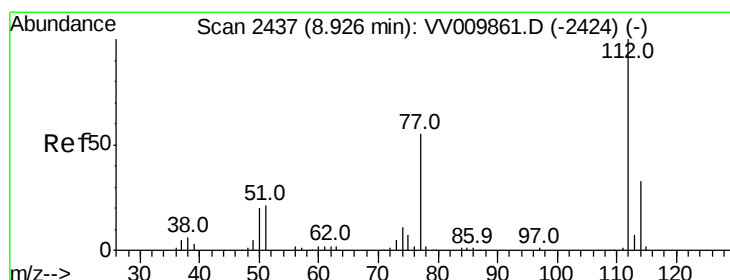
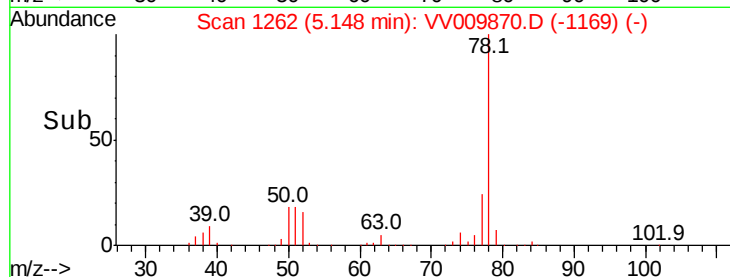
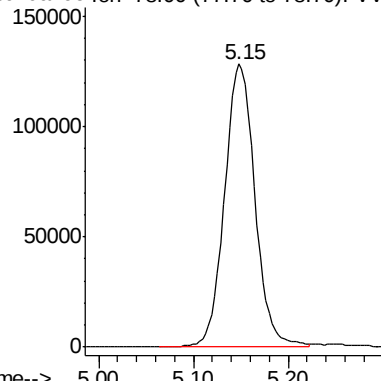
ClientSampleId :

C09D4

Tgt Ion: 78 Resp: 287303



Abundance Ion 78.00 (77.70 to 78.70): VV0



#51

Chlorobenzene

Concen: 138.125 ug/L

RT: 8.93 min Scan# 2437

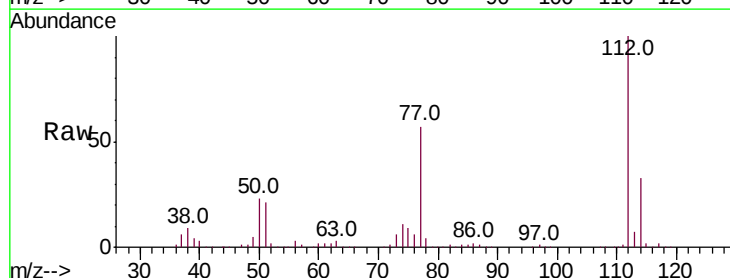
Delta R.T. 0.00 min

Lab File: VV009870.D

Acq: 25 Mar 2019 19:09

Tgt Ion: 112 Resp: 512823

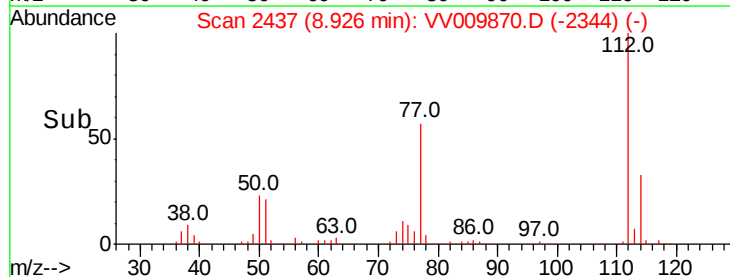
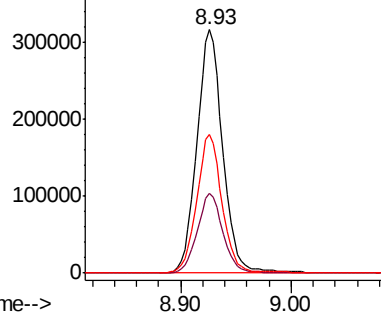
Ion	Ratio	Lower	Upper
112	100		
114	32.7	23.3	43.3
77	56.9	45.8	68.6

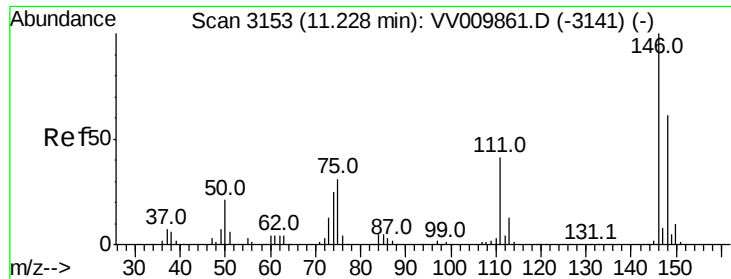


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0

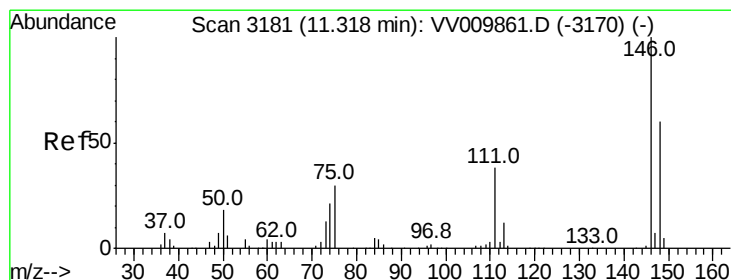
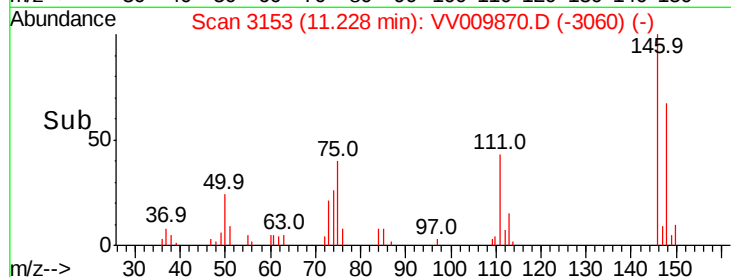
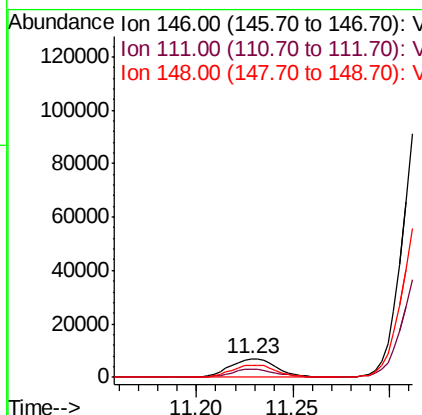
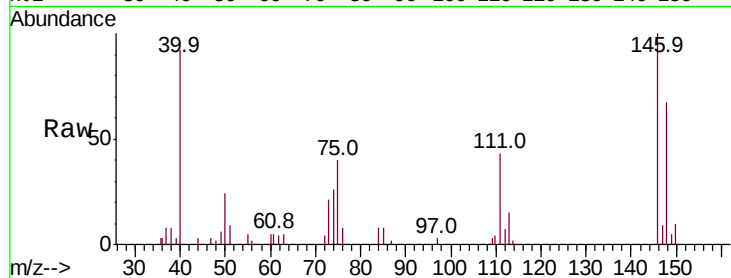




#62
 1,3-Dichlorobenzene
 Concen: 4.747 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009870.D
 Acq: 25 Mar 2019 19:09

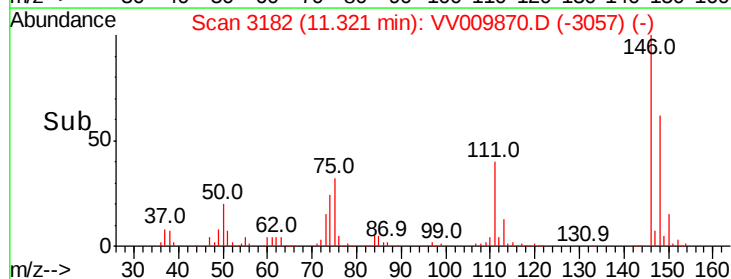
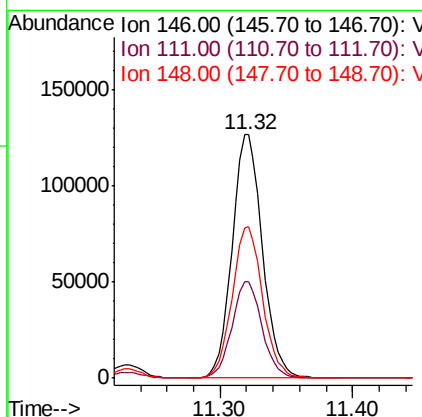
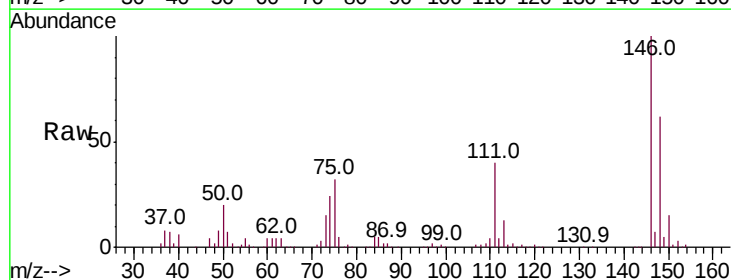
Instrument :
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 C09D4

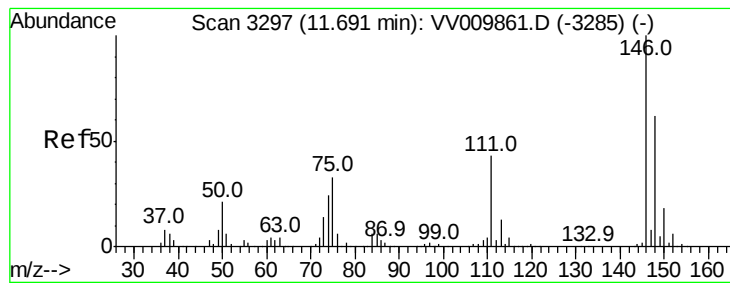
Tot Ion:146 Resp: 11642
 Ion Ratio Lower Upper
 146 100
 111 42.6 27.5 51.1
 148 67.0 43.0 80.0



#63
 1,4-Dichlorobenzene
 Concen: 77.752 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV009870.D
 Acq: 25 Mar 2019 19:09

Tgt Ion:146 Resp: 199938
 Ion Ratio Lower Upper
 146 100
 111 39.5 26.5 49.3
 148 62.3 43.2 80.2





#65

1,2-Dichlorobenzene

Concen: 55.745 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009870.D

Acq: 25 Mar 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

C09D4

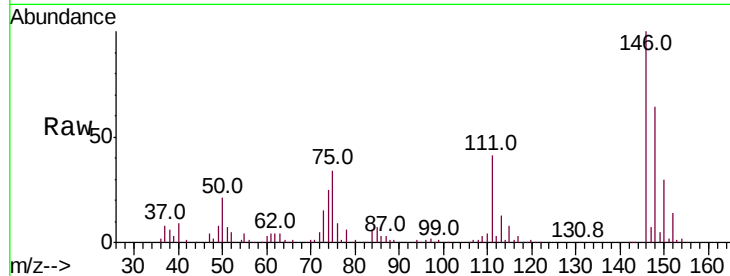
Tot Ion:146 Resp: 144441

Ion Ratio Lower Upper

146 100

111 40.9 33.0 49.6

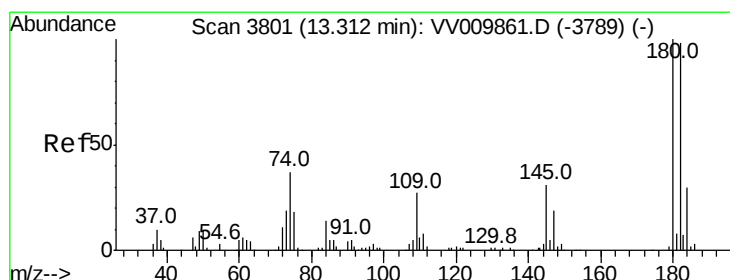
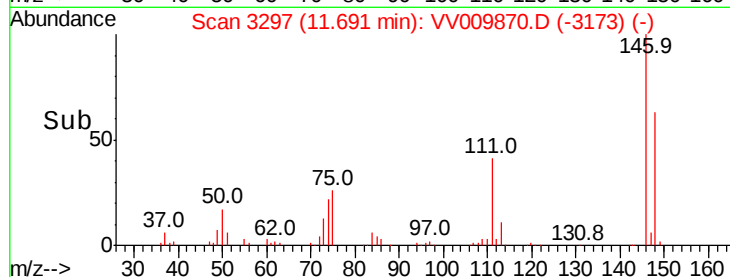
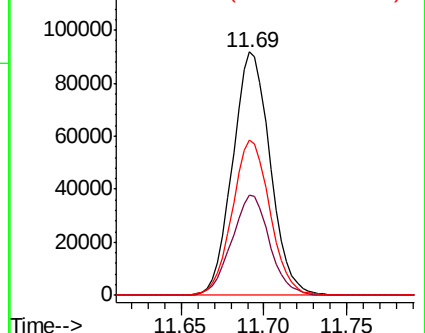
148 63.7 53.2 79.8



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: 8.652 ug/L

RT: 13.31 min Scan# 3801

Delta R.T. 0.00 min

Lab File: VV009870.D

Acq: 25 Mar 2019 19:09

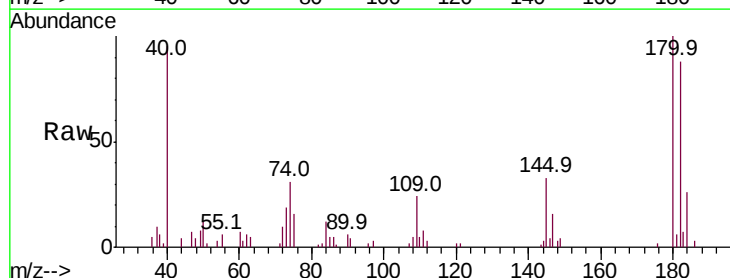
Tgt Ion:180 Resp: 11535

Ion Ratio Lower Upper

180 100

182 88.7 77.1 115.7

145 32.5 24.3 36.5



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

