

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV032519\
 Data File : VV009871.D
 Acq On : 25 Mar 2019 19:33
 Operator : SY/MD
 Sample : K2070-13 100X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C09D8

Quant Time: Apr 10 08:18:31 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	175987	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	171476	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	74831	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	83595	46.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.04%
7) Chloroethane-d5	1.56	69	93439	46.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.42%
11) 1,1-Dichloroethene-d2	2.13	63	179245	33.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.68%
21) 2-Butanone-d5	3.93	46	76949	95.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.94%
24) Chloroform-d	4.40	84	111588	44.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.32%
26) 1,2-Dichloroethane-d4	5.08	65	77573	46.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.88%
32) Benzene-d6	5.10	84	241717	51.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.86%
36) 1,2-Dichloropropane-d6	6.12	67	75116	52.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.62%
41) Toluene-d8	7.36	98	215432	47.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.54%
43) trans-1,3-Dichloropropene-	7.66	79	26677	40.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.34%
47) 2-Hexanone-d5	8.14	63	55808	94.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.82%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	98779	42.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.78%
64) 1,2-Dichlorobenzene-d4	11.67	152	81923	47.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.52%

Target Compounds

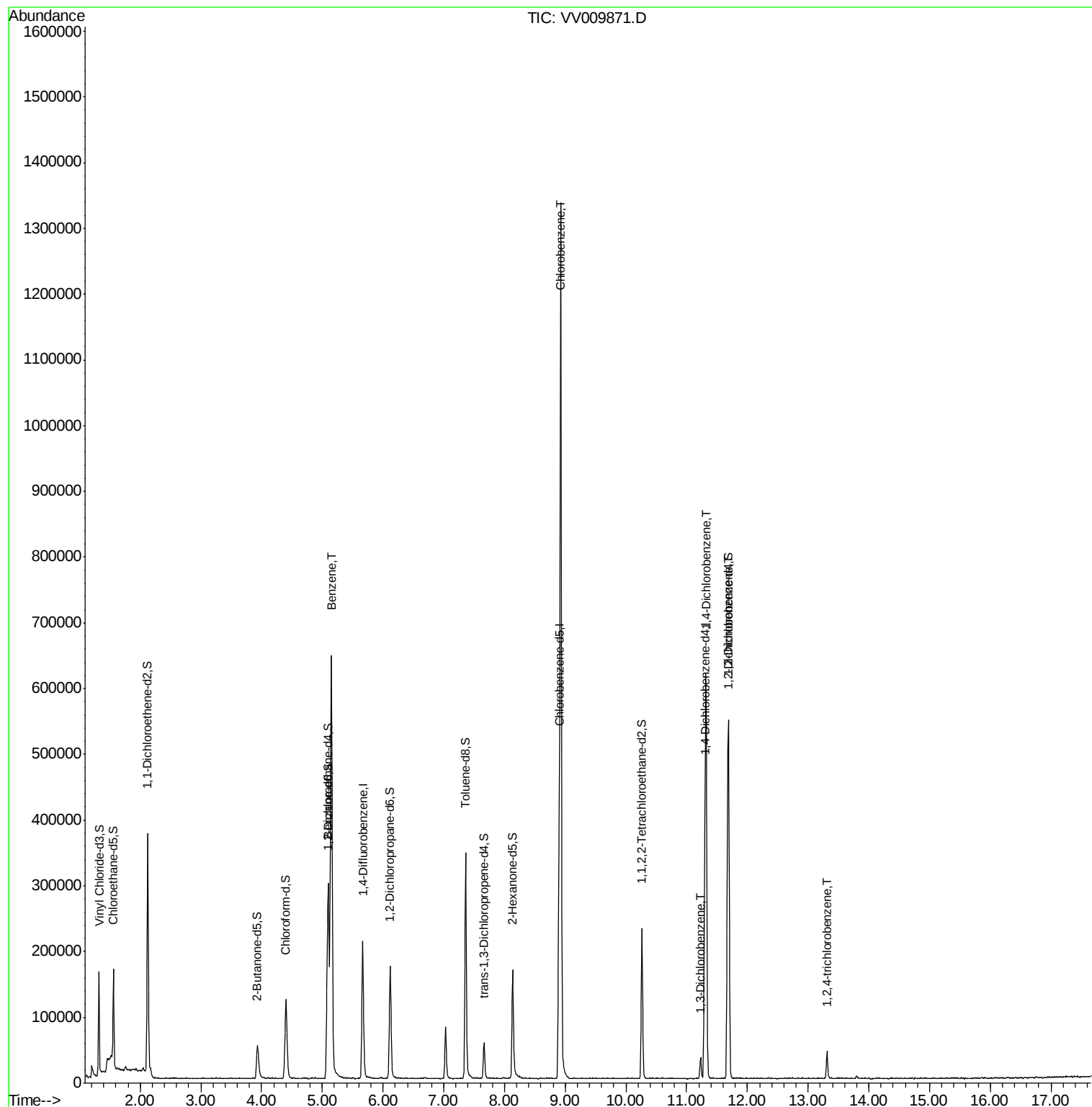
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
33) Benzene	5.15	78	609922	121.835	ug/L	100
51) Chlorobenzene	8.93	112	644777	170.007	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	11704	4.566	ug/L	93
63) 1,4-Dichlorobenzene	11.32	146	212417	79.038	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	162894	60.153	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	11643	8.356	ug/L	94

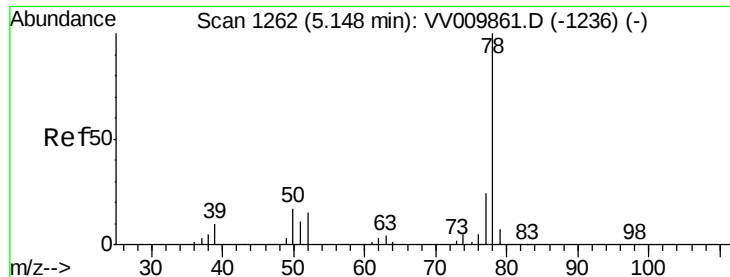
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#33

Benzene

Concen: 121.835 ug/L

RT: 5.15 min Scan# 1262

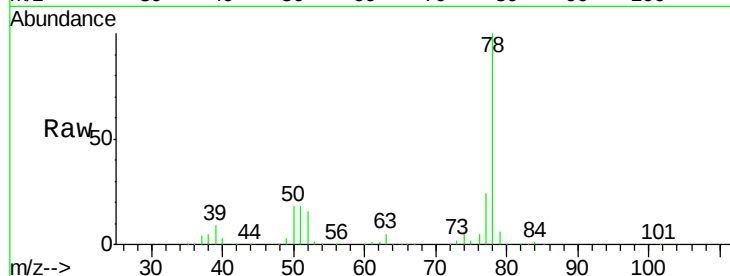
Delta R.T. 0.00 min

Lab File: VV009871.D

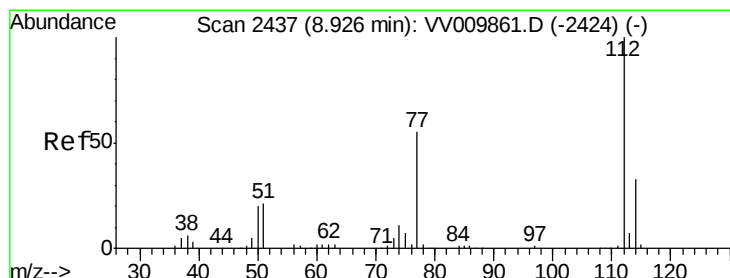
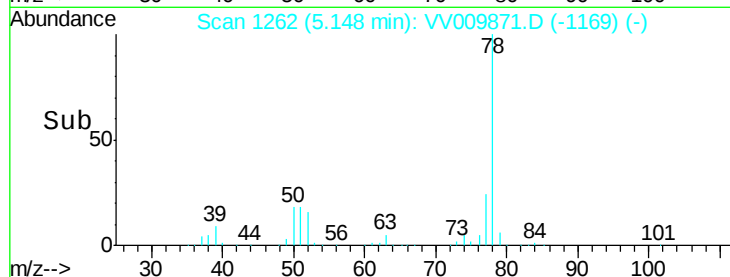
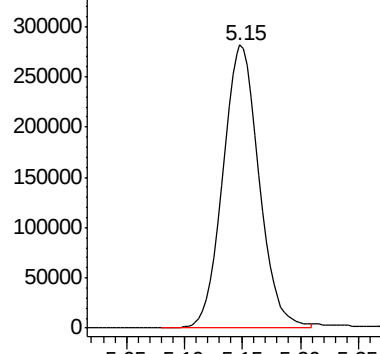
Acq: 25 Mar 2019 19:33

Instrument :
MSVOA_V
ClientSampleId :
C09D8

Tgt Ion: 78 Resp: 609922



Abundance Ion 78.00 (77.70 to 78.70): VV0



#51

Chlorobenzene

Concen: 170.007 ug/L

RT: 8.93 min Scan# 2437

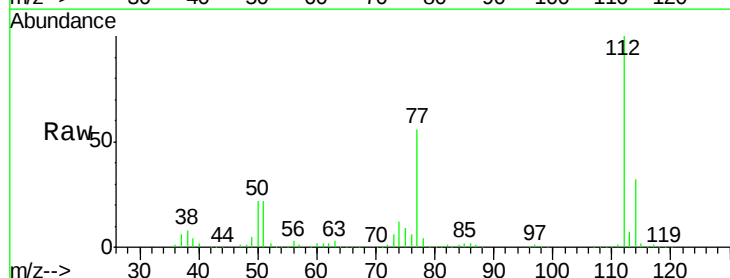
Delta R.T. 0.00 min

Lab File: VV009871.D

Acq: 25 Mar 2019 19:33

Tgt Ion: 112 Resp: 644777

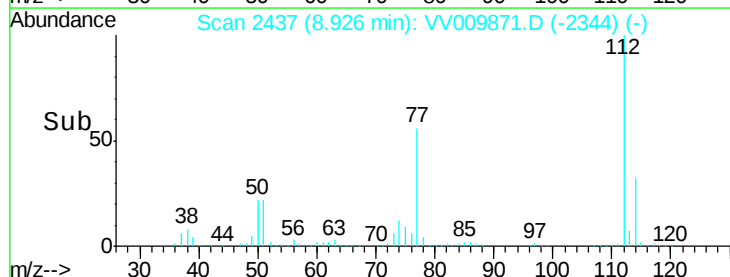
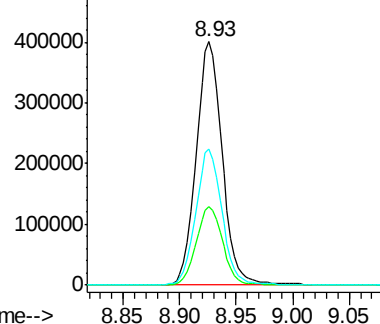
Ion	Ratio	Lower	Upper
112	100		
114	32.2	23.3	43.3
77	55.8	45.8	68.6

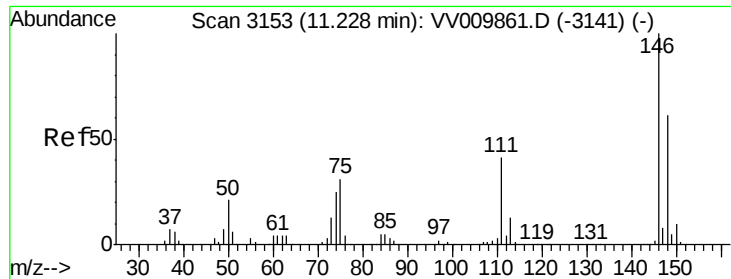


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#62

1,3-Dichlorobenzene

Concen: 4.566 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV009871.D

Acq: 25 Mar 2019 19:33

Instrument :

MSVOA_V

ClientSampled :

C09D8

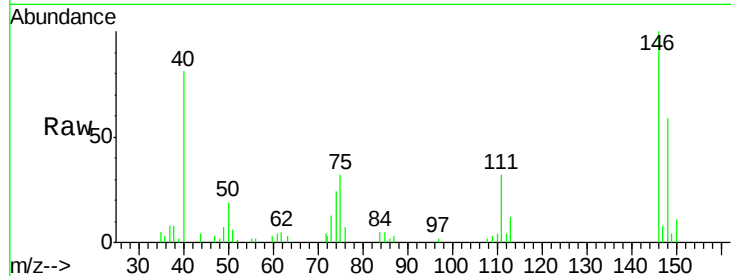
Tot Ion:146 Resp: 11704

Ion Ratio Lower Upper

146 100

111 32.2 27.5 51.1

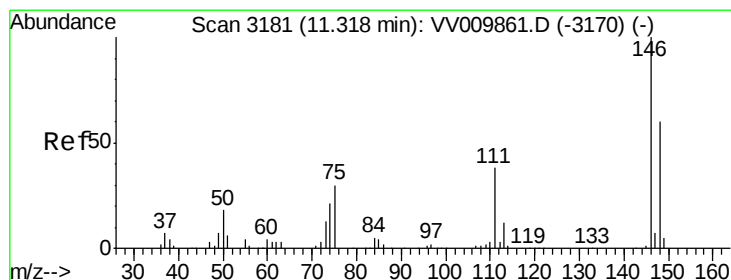
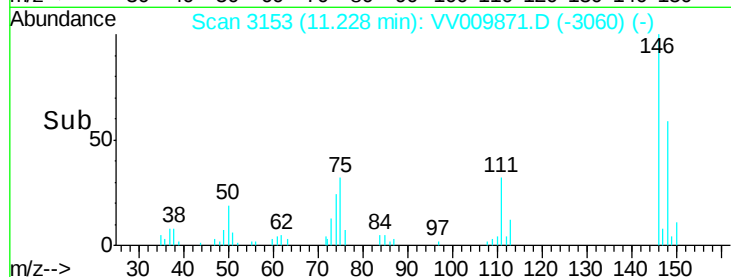
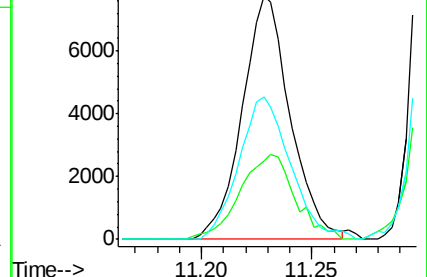
148 58.7 43.0 80.0



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: 79.038 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV009871.D

Acq: 25 Mar 2019 19:33

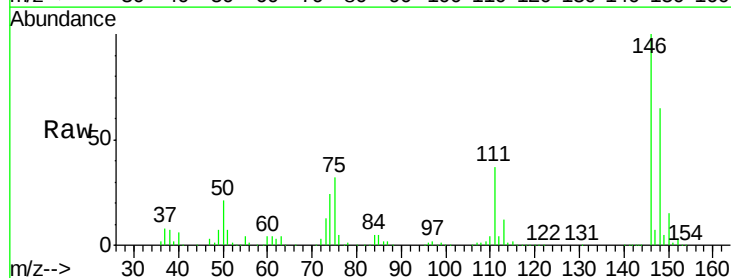
Tgt Ion:146 Resp: 212417

Ion Ratio Lower Upper

146 100

111 37.5 26.5 49.3

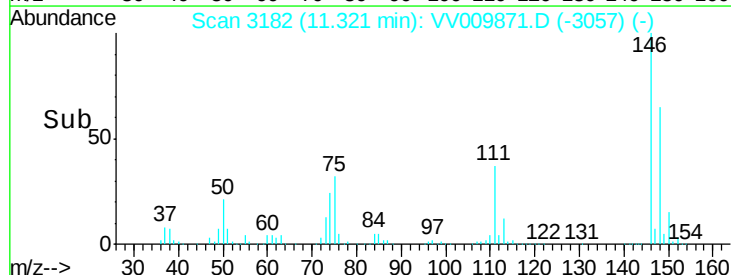
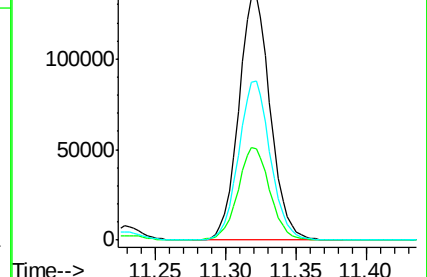
148 65.4 43.2 80.2

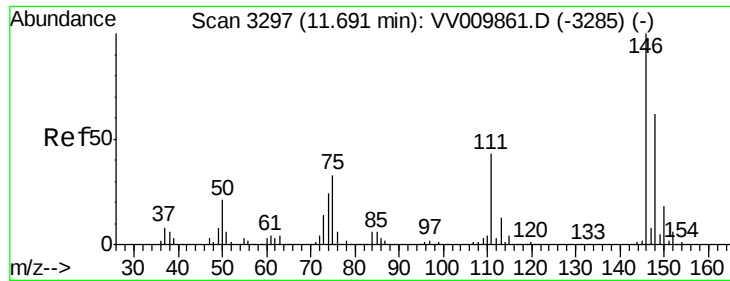


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 60.153 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009871.D

Acq: 25 Mar 2019 19:33

Instrument :

MSVOA_V

ClientSampleId :

C09D8

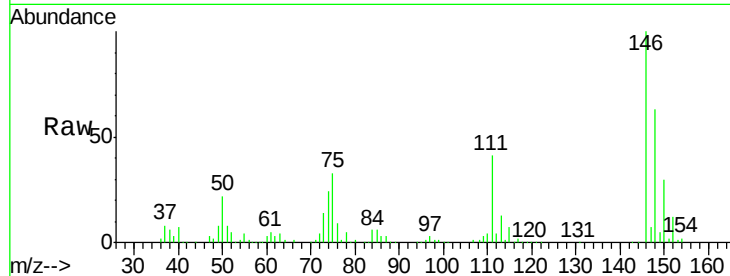
Tot Ion:146 Resp: 162894

Ion Ratio Lower Upper

146 100

111 41.0 33.0 49.6

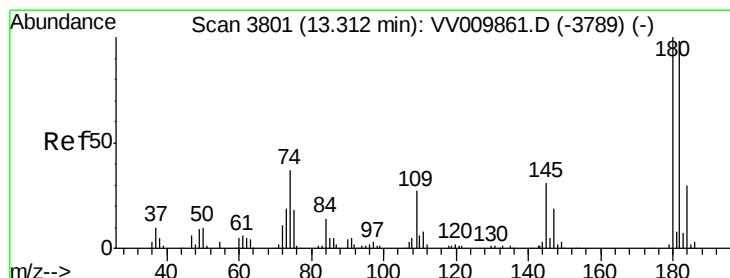
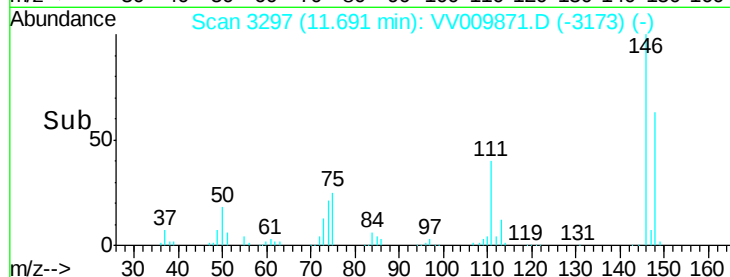
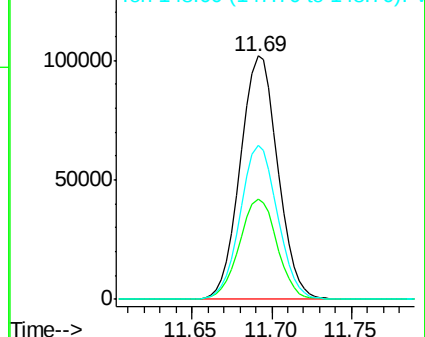
148 63.4 53.2 79.8



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: 8.356 ug/L

RT: 13.31 min Scan# 3801

Delta R.T. 0.00 min

Lab File: VV009871.D

Acq: 25 Mar 2019 19:33

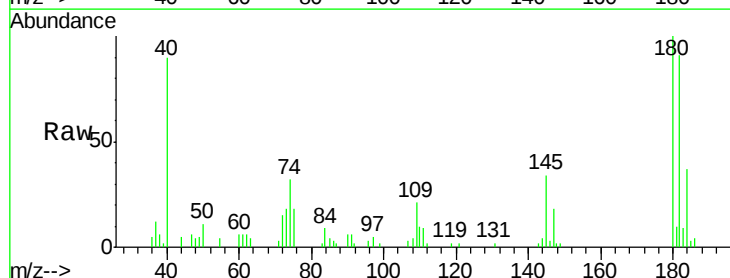
Tgt Ion:180 Resp: 11643

Ion Ratio Lower Upper

180 100

182 89.4 77.1 115.7

145 29.1 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

