

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032519\
 Data File : VV009872.D
 Acq On : 25 Mar 2019 19:57
 Operator : SY/MD
 Sample : K2070-14 100X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C09E0

Quant Time: Mar 26 08:06:01 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	5.66	114	166210	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	163871	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	70786	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	80861	47.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.30%
7) Chloroethane-d5	1.56	69	94881	49.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.38%
11) 1,1-Dichloroethene-d2	2.13	63	176321	35.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.48%
21) 2-Butanone-d5	3.93	46	77374	102.15	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.15%
24) Chloroform-d	4.40	84	111719	47.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.68%
26) 1,2-Dichloroethane-d4	5.08	65	76710	48.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.26%
32) Benzene-d6	5.10	84	234058	52.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.24%
36) 1,2-Dichloropropane-d6	6.12	67	70981	51.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.46%
41) Toluene-d8	7.36	98	211945	48.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.32%
43) trans-1,3-Dichloropropene-	7.66	79	27202	43.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.80%
47) 2-Hexanone-d5	8.14	63	54932	97.67	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.67%
57) 1,1,1,2,2-Tetrachloroethane-	10.26	84	101297	45.49	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.98%
64) 1,2-Dichlorobenzene-d4	11.67	152	82177	50.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.22%

Target Compounds

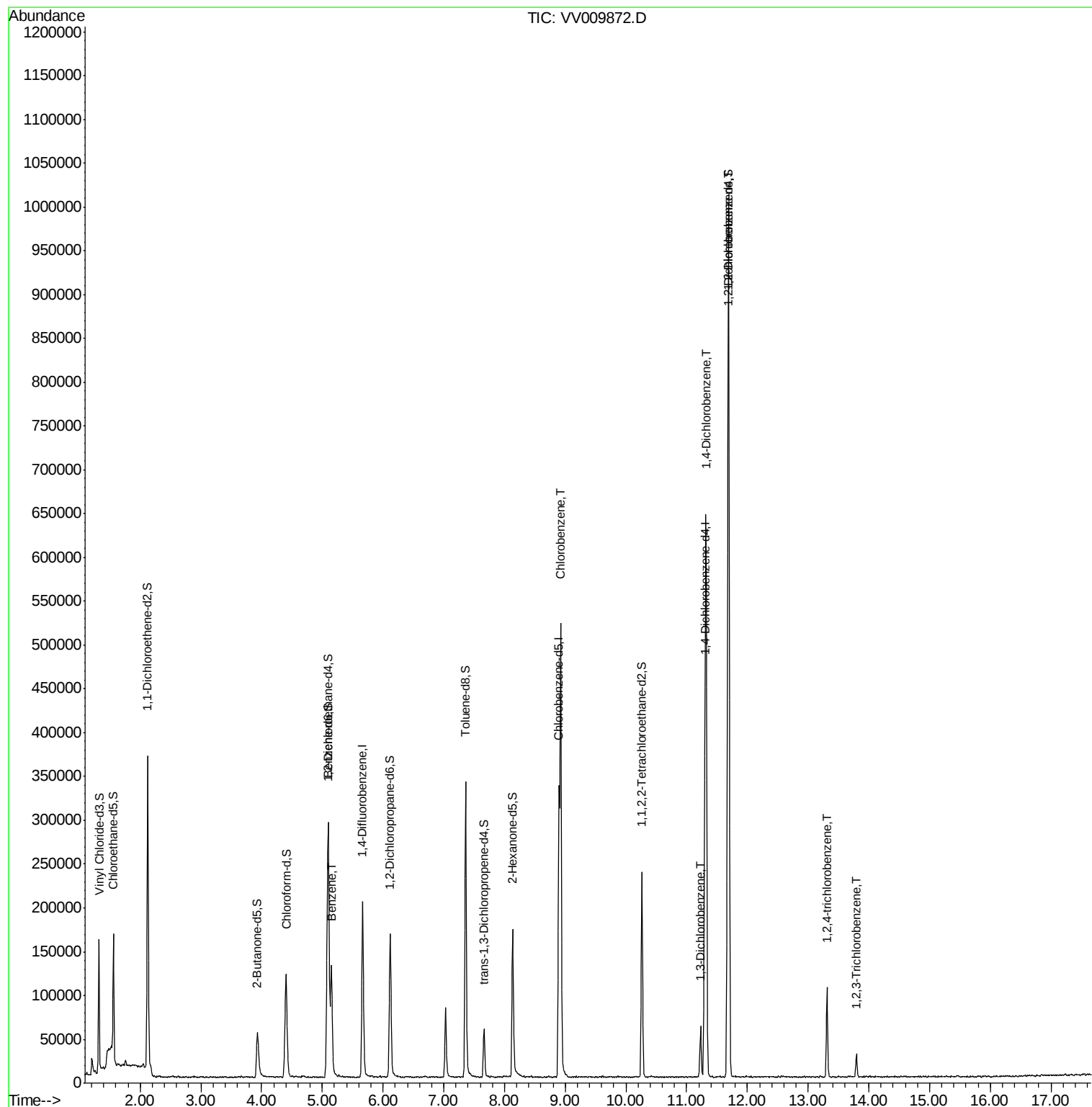
					Ovalue
33) Benzene	5.15	78	117998	24.665	ug/L 100
51) Chlorobenzene	8.93	112	250903	69.225	ug/L 98
62) 1,3-Dichlorobenzene	11.23	146	20916	8.626	ug/L 94
63) 1,4-Dichlorobenzene	11.32	146	224066	88.137	ug/L 97
65) 1,2-Dichlorobenzene	11.69	146	325489	127.063	ug/L 98
68) 1,2,4-trichlorobenzene	13.31	180	27424	20.806	ug/L 92
70) 1,2,3-Trichlorobenzene	13.79	180	7061	5.295	ug/L 96

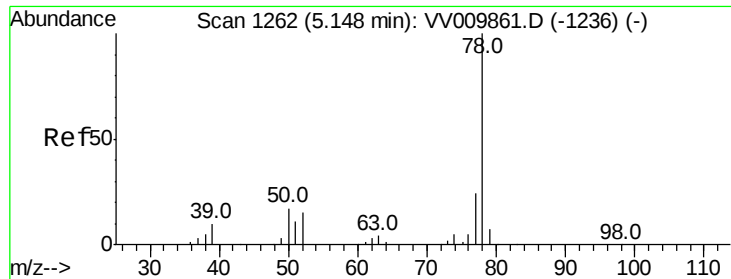
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#33

Benzene

Concen: 24.665 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VV009872.D

Acq: 25 Mar 2019 19:57

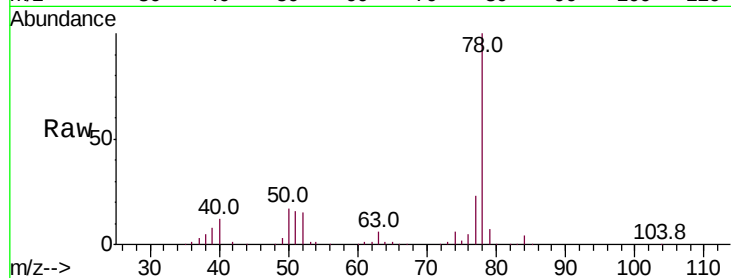
Instrument :

MSVOA_V

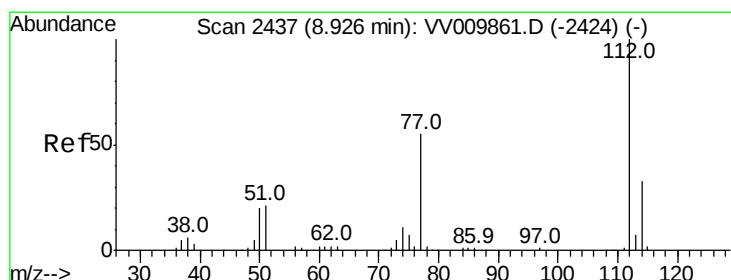
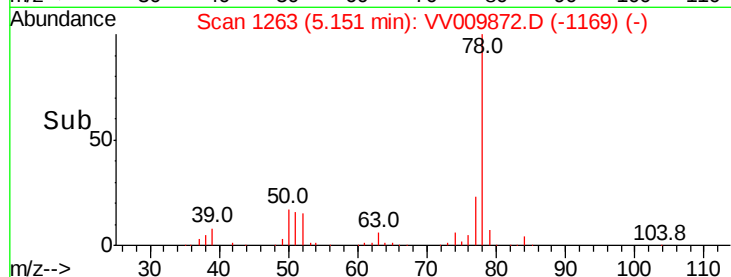
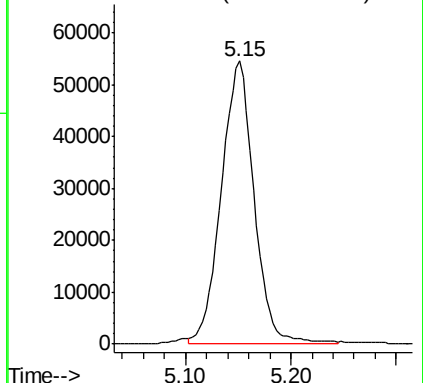
ClientSampleId :

C09E0

Tgt Ion: 78 Resp: 117998



Abundance Ion 78.00 (77.70 to 78.70): VV0



#51

Chlorobenzene

Concen: 69.225 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV009872.D

Acq: 25 Mar 2019 19:57

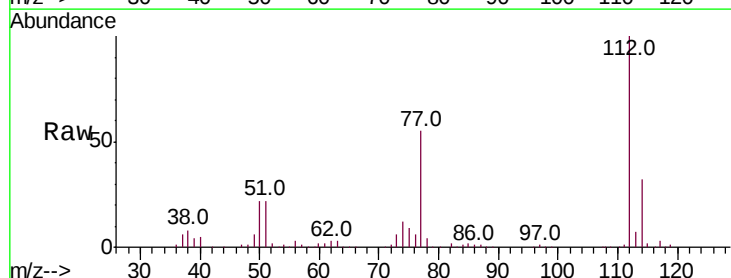
Tgt Ion: 112 Resp: 250903

Ion Ratio Lower Upper

112 100

114 32.5 23.3 43.3

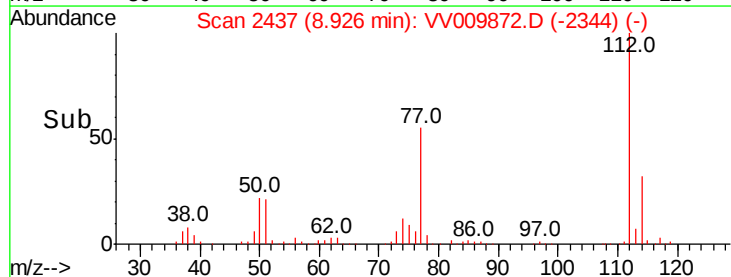
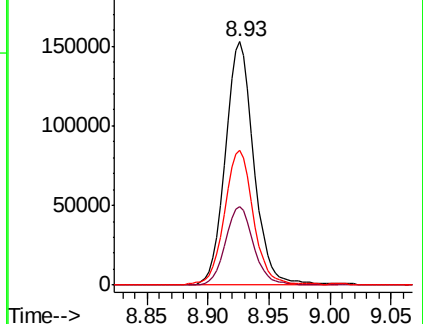
77 55.4 45.8 68.6

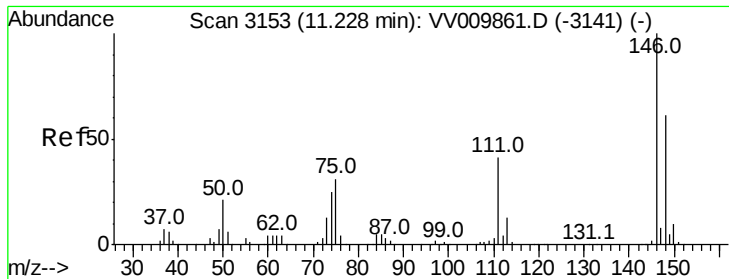


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#62

1,3-Dichlorobenzene

Concen: 8.626 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV009872.D

Acq: 25 Mar 2019 19:57

Instrument :

MSVOA_V

ClientSampleId :

C09E0

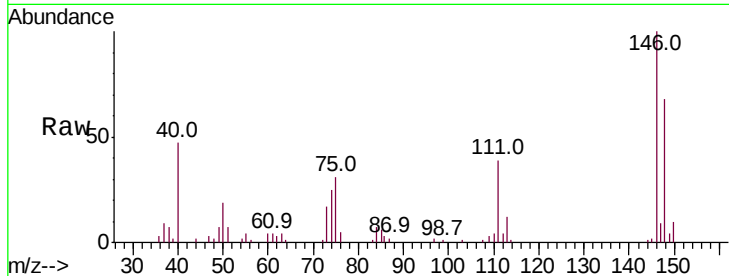
Tot Ion:146 Resp: 20916

Ion Ratio Lower Upper

146 100

111 39.2 27.5 51.1

148 68.4 43.0 80.0

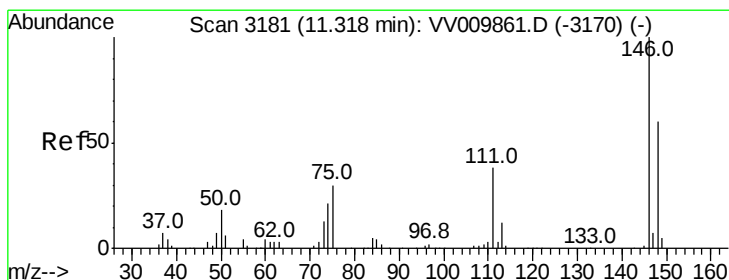
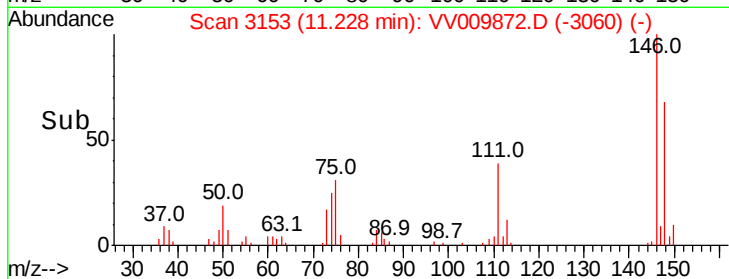
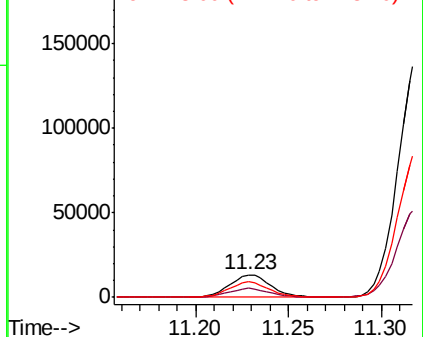


Abundance

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: 88.137 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV009872.D

Acq: 25 Mar 2019 19:57

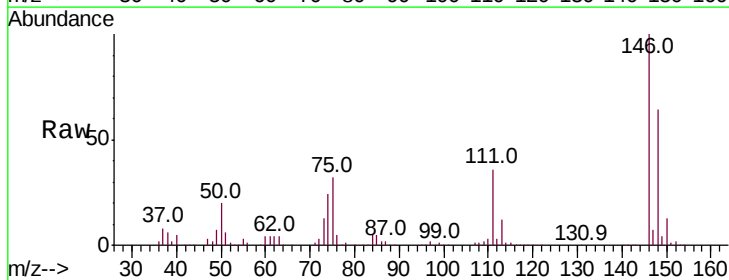
Tgt Ion:146 Resp: 224066

Ion Ratio Lower Upper

146 100

111 35.7 26.5 49.3

148 63.6 43.2 80.2

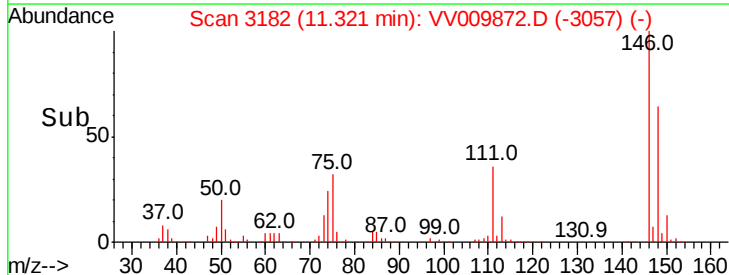
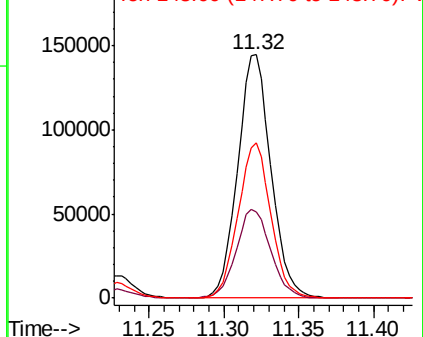


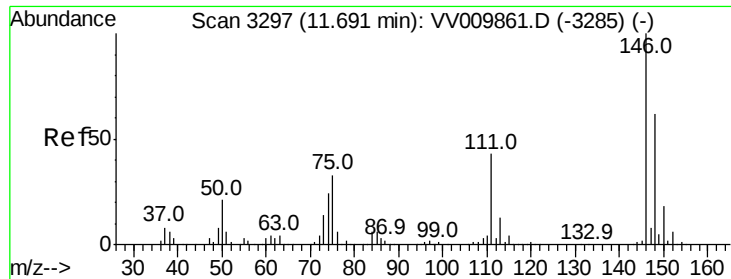
Abundance

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: 127.063 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009872.D

Acq: 25 Mar 2019 19:57

Instrument :

MSVOA_V

ClientSampled :

C09E0

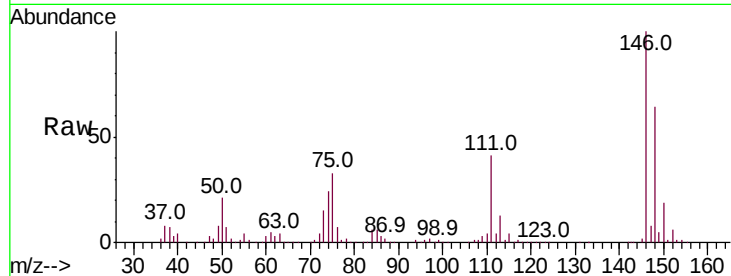
Tot Ion:146 Resp: 325489

Ion Ratio Lower Upper

146 100

111 41.3 33.0 49.6

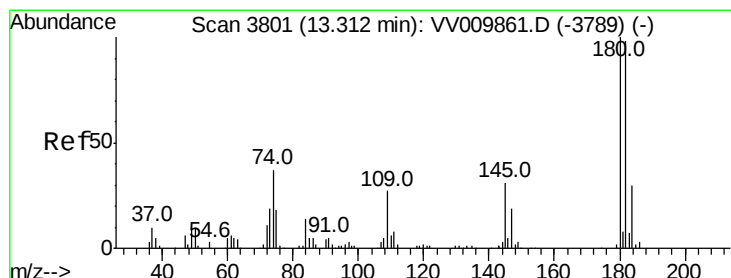
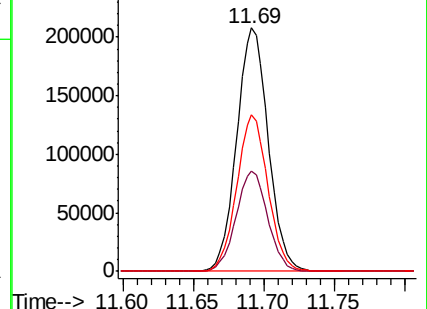
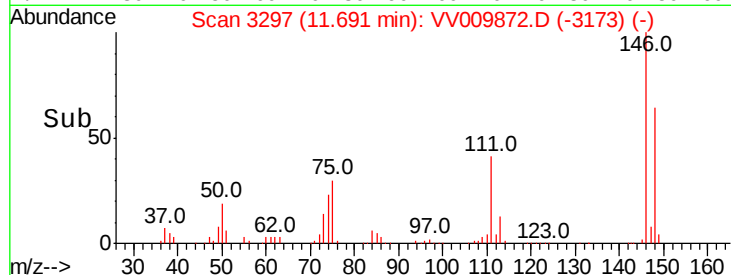
148 64.1 53.2 79.8



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: 20.806 ug/L

RT: 13.31 min Scan# 3801

Delta R.T. 0.00 min

Lab File: VV009872.D

Acq: 25 Mar 2019 19:57

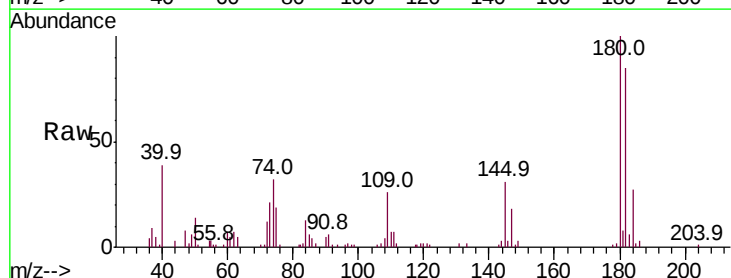
Tgt Ion:180 Resp: 27424

Ion Ratio Lower Upper

180 100

182 86.6 77.1 115.7

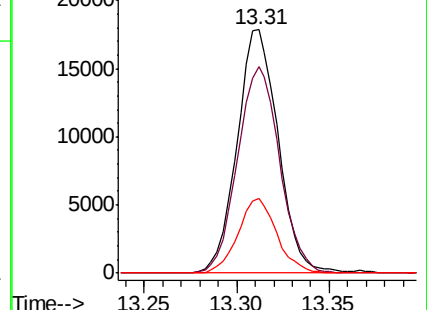
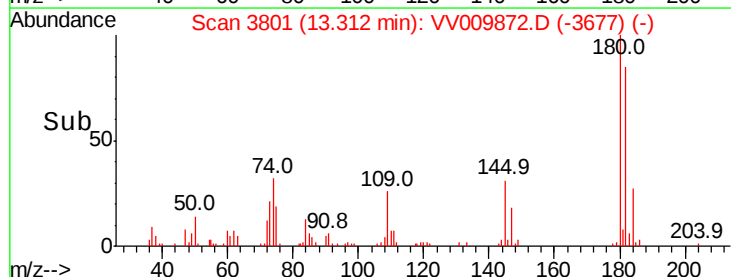
145 28.9 24.3 36.5

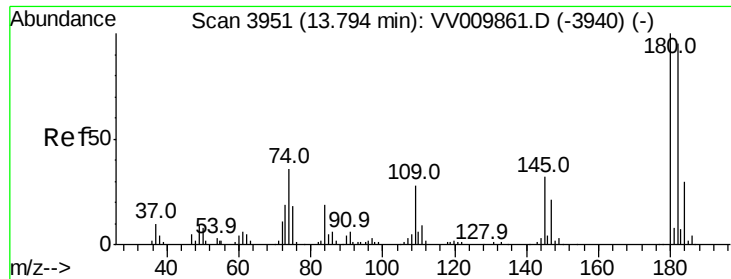


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#70

1,2,3-Trichlorobenzene

Concen: 5.295 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009872.D

Acq: 25 Mar 2019 19:57

Instrument :

MSVOA_V

ClientSampleId :

C09E0

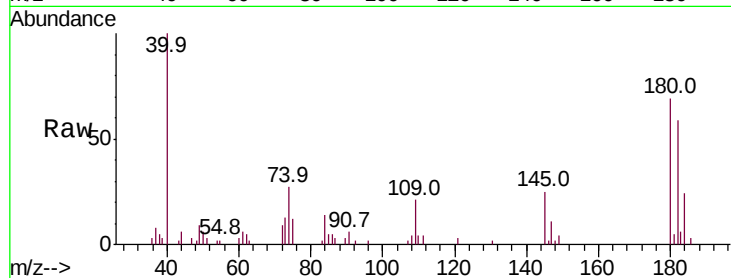
Tot Ion:180 Resp: 7061

Ion Ratio Lower Upper

180 100

182 91.1 75.6 113.4

145 34.0 24.8 37.2



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

