

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032519\
 Data File : VV009876.D
 Acq On : 25 Mar 2019 21:34
 Operator : SY/MD
 Sample : K2016-11DL 400X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0988DL

Quant Time: Mar 26 08:24:41 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	176529	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	169187	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	71378	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	91529	50.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.56%
7) Chloroethane-d5	1.56	69	100630	49.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.24%
11) 1,1-Dichloroethene-d2	2.13	63	191514	36.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.08%
21) 2-Butanone-d5	3.93	46	81155	100.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.87%
24) Chloroform-d	4.40	84	119126	47.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.06%
26) 1,2-Dichloroethane-d4	5.08	65	83627	49.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.82%
32) Benzene-d6	5.10	84	248870	54.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.38%
36) 1,2-Dichloropropane-d6	6.12	67	75795	53.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.00%
41) Toluene-d8	7.36	98	221739	49.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.62%
43) trans-1,3-Dichloropropene-	7.67	79	28896	44.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.30%
47) 2-Hexanone-d5	8.13	63	56495	97.29	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.29%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	102707	44.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.34%
64) 1,2-Dichlorobenzene-d4	11.67	152	84037	50.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.64%

Target Compounds

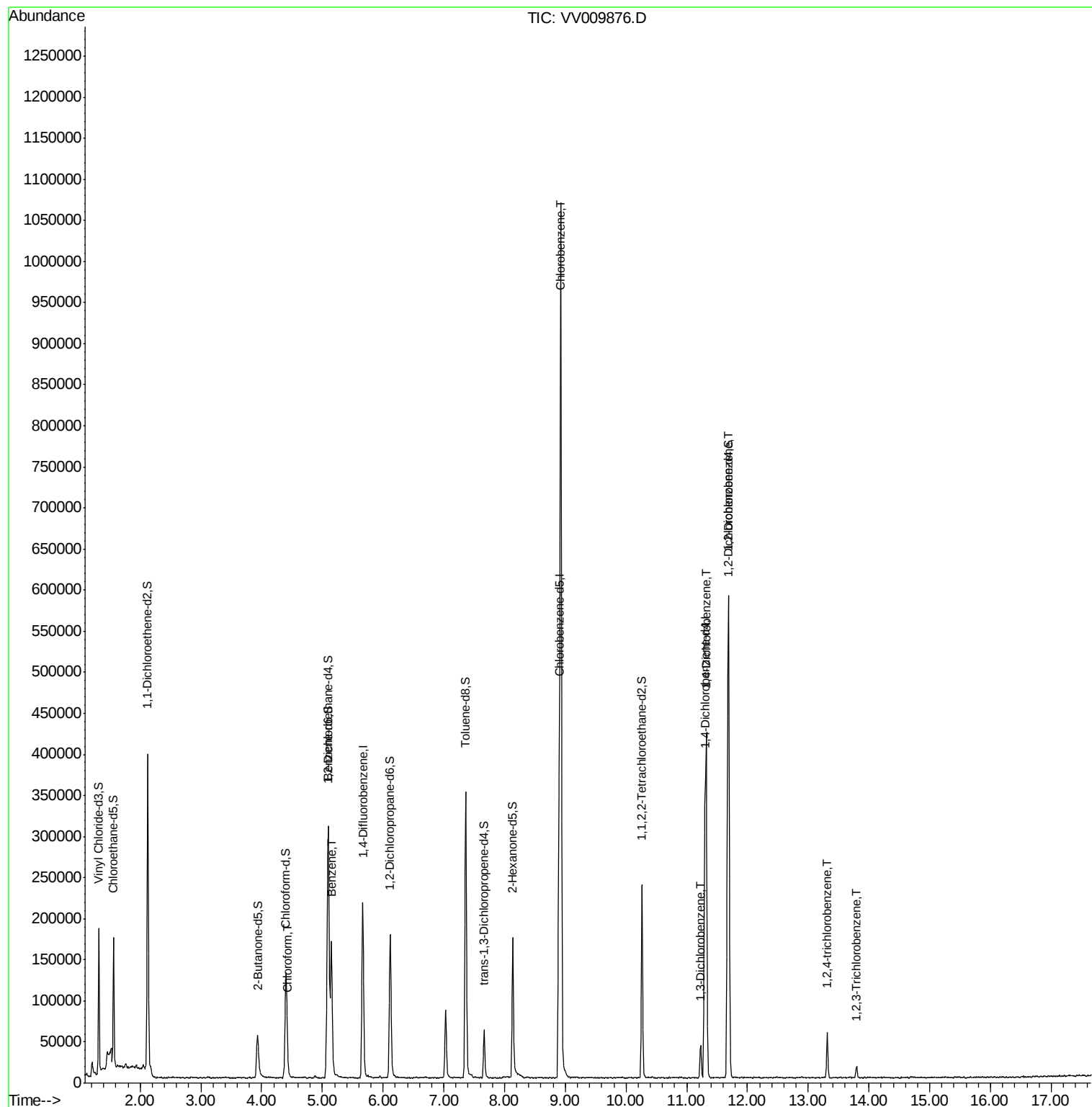
					Ovalue
25) Chloroform	4.43	83	4401	1.760 ug/L	87
33) Benzene	5.15	78	155460	31.474 ug/L	100
51) Chlorobenzene	8.93	112	520529	139.104 ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	14621	5.980 ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	140153	54.672 ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	176484	68.324 ug/L	94
68) 1,2,4-trichlorobenzene	13.31	180	14287	10.749 ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	3799	2.825 ug/L	98

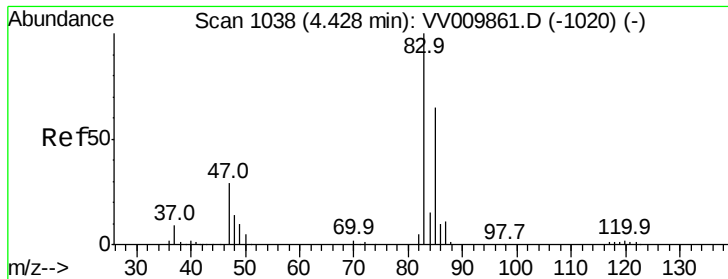
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#25

Chloroform

Concen: 1.760 ug/L

RT: 4.43 min Scan# 1040

Delta R.T. 0.01 min

Lab File: VV009876.D

Acq: 25 Mar 2019 21:34

Instrument :

MSVOA_V

ClientSampleId :

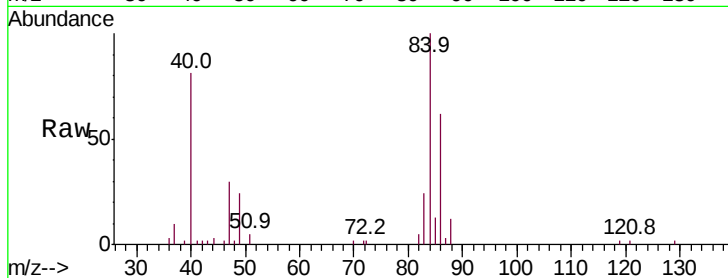
C0988DL

Tot Ion: 83 Resp: 4401

Ion Ratio Lower Upper

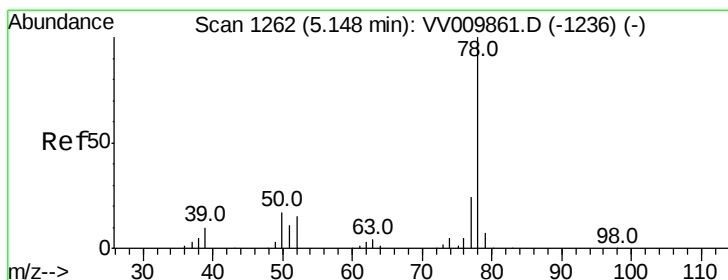
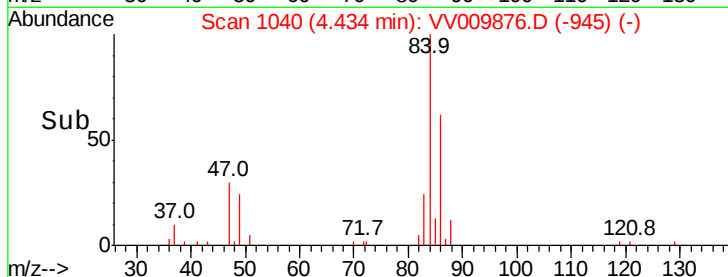
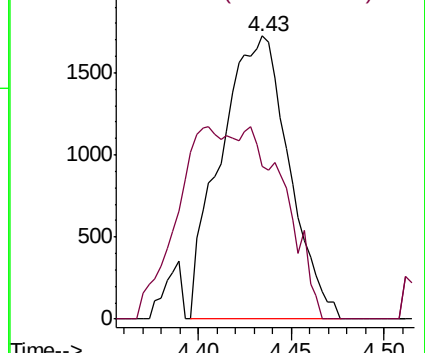
83 100

85 54.0 44.7 82.9



Abundance Ion 83.00 (82.70 to 83.70): VV009876.D (-1040) (-)

Ion 85.00 (84.70 to 85.70): VV009876.D (-1040) (-)



#33

Benzene

Concen: 31.474 ug/L

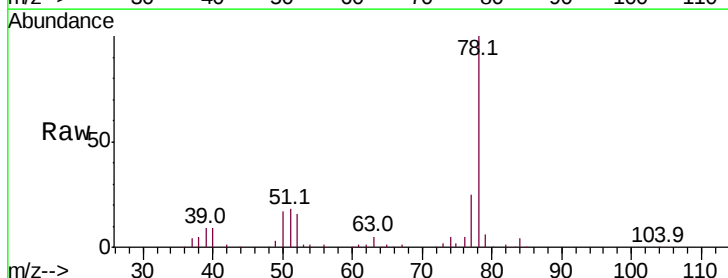
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

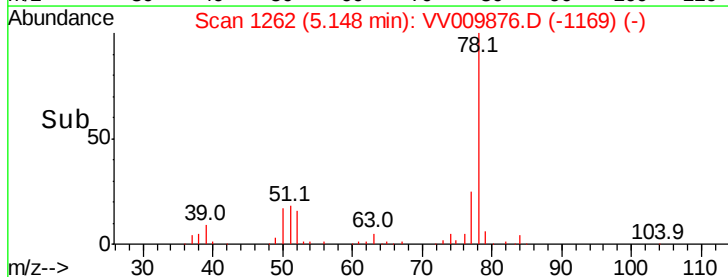
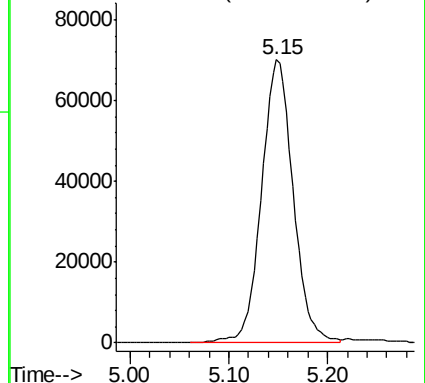
Lab File: VV009876.D

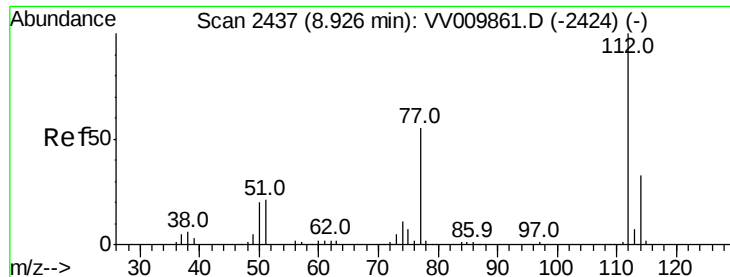
Acq: 25 Mar 2019 21:34

Tgt Ion: 78 Resp: 155460



Abundance Ion 78.00 (77.70 to 78.70): VV009876.D (-1169) (-)





#51

Chlorobenzene

Concen: 139.104 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV009876.D

Acq: 25 Mar 2019 21:34

Instrument :

MSVOA_V

ClientSampleId :

C0988DL

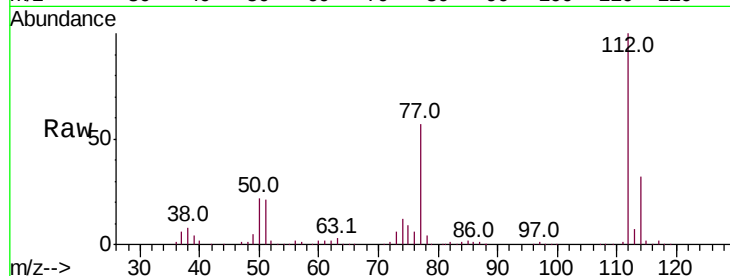
Tot Ion:112 Resp: 520529

Ion Ratio Lower Upper

112 100

114 32.3 23.3 43.3

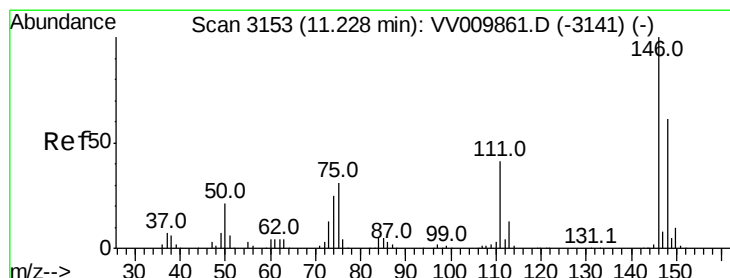
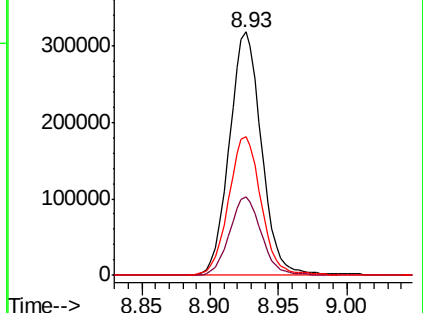
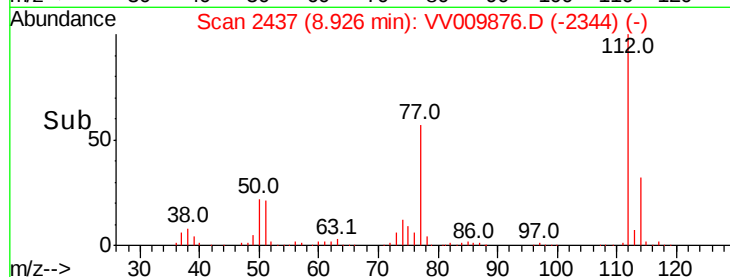
77 57.2 45.8 68.6



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: 5.980 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV009876.D

Acq: 25 Mar 2019 21:34

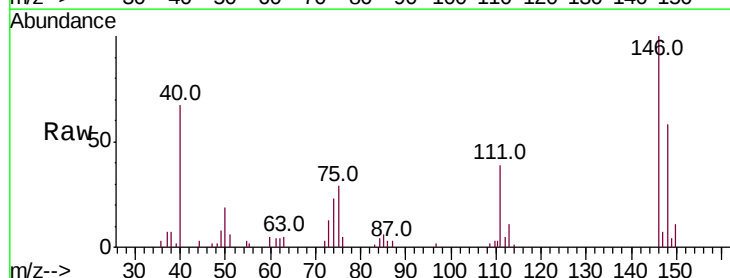
Tgt Ion:146 Resp: 14621

Ion Ratio Lower Upper

146 100

111 38.7 27.5 51.1

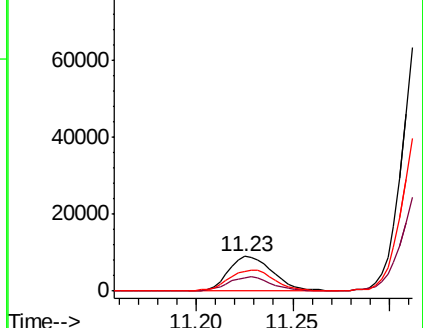
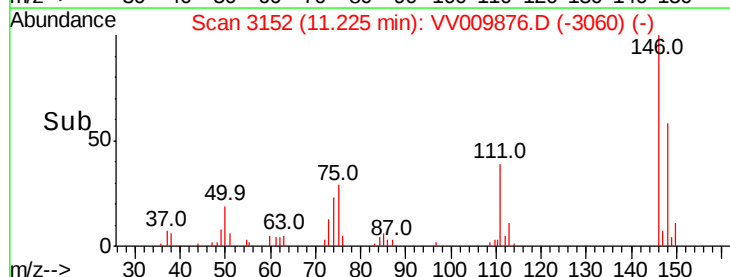
148 57.6 43.0 80.0

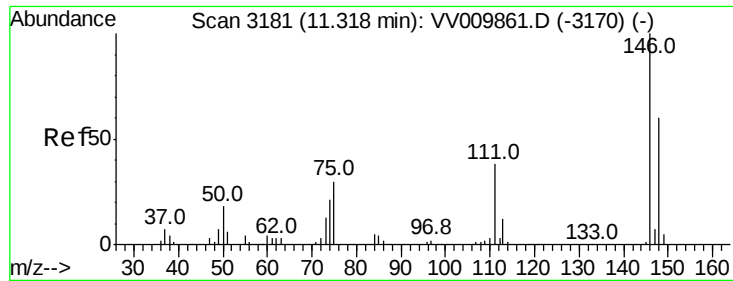


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 54.672 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV009876.D

Acq: 25 Mar 2019 21:34

Instrument :

MSVOA_V

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C0988DL

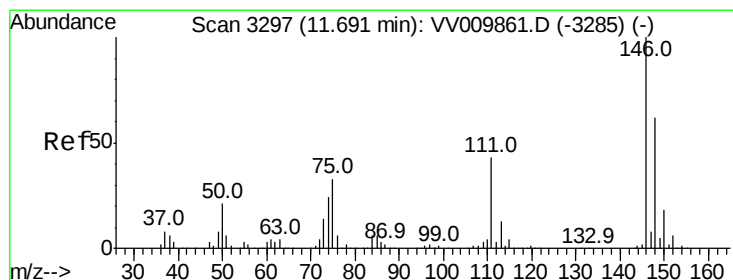
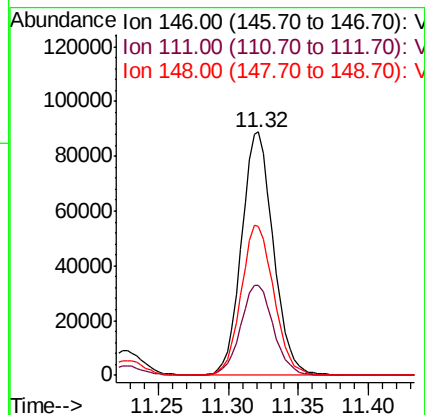
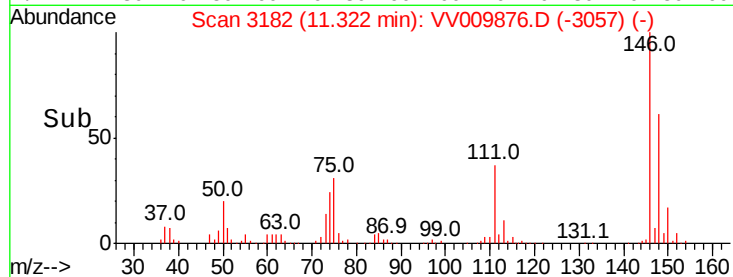
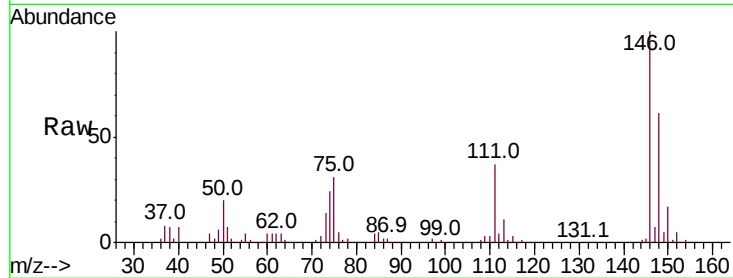
Tot Ion:146 Resp: 140153

Ion Ratio Lower Upper

146 100

111 36.9 26.5 49.3

148 61.3 43.2 80.2



#65

1,2-Dichlorobenzene

Concen: 68.324 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009876.D

Acq: 25 Mar 2019 21:34

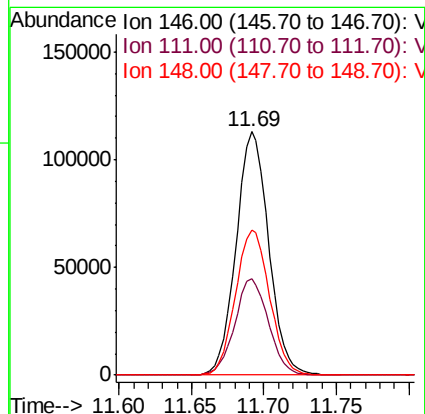
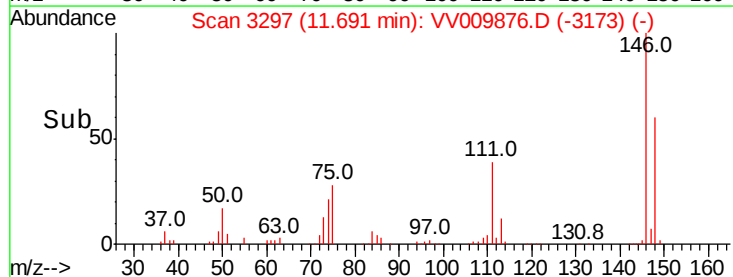
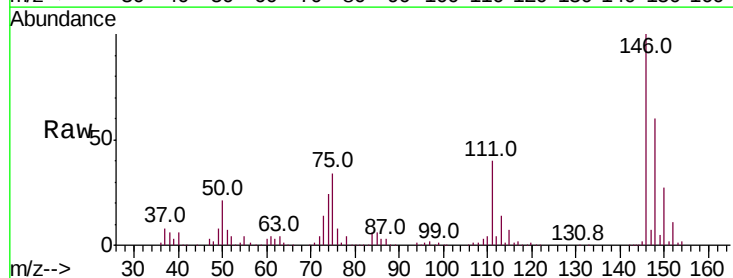
Tgt Ion:146 Resp: 176484

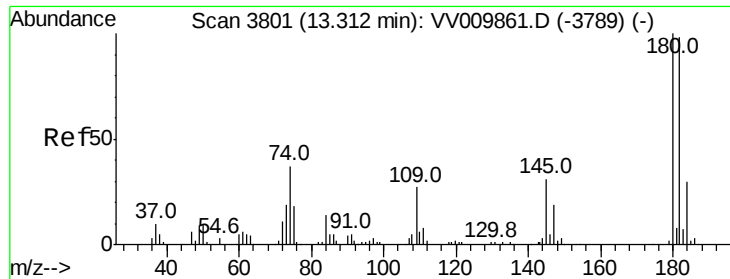
Ion Ratio Lower Upper

146 100

111 39.7 33.0 49.6

148 59.8 53.2 79.8

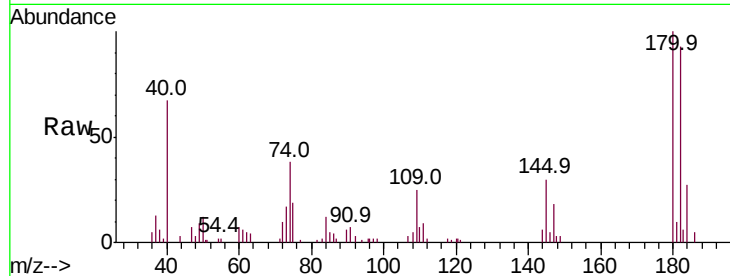




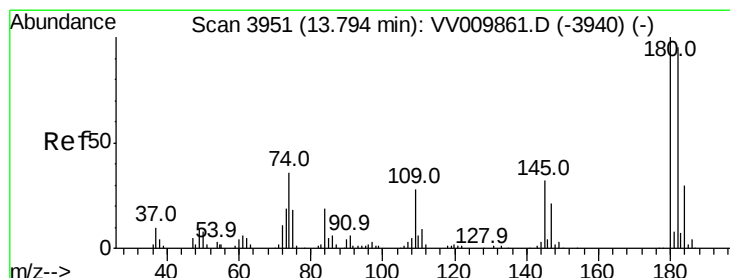
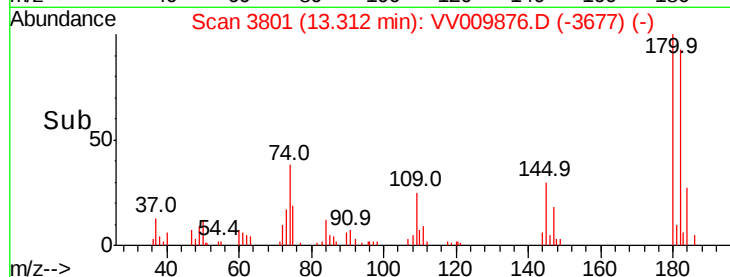
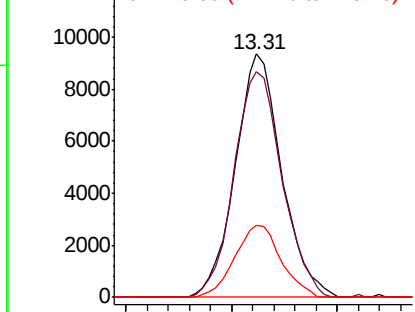
#68
 1,2,4-trichlorobenzene
 Concen: 10.749 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009876.D
 Acq: 25 Mar 2019 21:34

Instrument :
 MSVOA_V
 ClientSampleID :
 C0988DL

Tot Ion:180 Resp: 14287
 Ion Ratio Lower Upper
 180 100
 182 95.7 77.1 115.7
 145 29.4 24.3 36.5

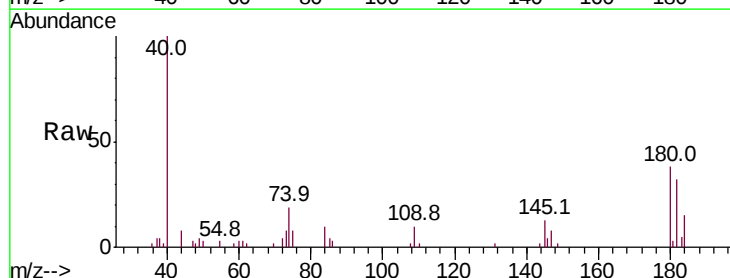


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 2.825 ug/L
 RT: 13.80 min Scan# 3952
 Delta R.T. 0.00 min
 Lab File: VV009876.D
 Acq: 25 Mar 2019 21:34

Tgt Ion:180 Resp: 3799
 Ion Ratio Lower Upper
 180 100
 182 92.7 75.6 113.4
 145 32.6 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

