

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032019\
 Data File : VU030238.D
 Acq On : 20 Mar 2019 21:18
 Operator : JC/SP
 Sample : K2022-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0969

Quant Time: Mar 22 02:30:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 22 01:27:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	513571	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	495607	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	234644	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	151690	43.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.36%
7) Chloroethane-d5	1.68	69	131496	47.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.70%
11) 1,1-Dichloroethene-d2	2.27	63	213319	33.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.34%
21) 2-Butanone-d5	4.17	46	258439	100.31	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.31%
24) Chloroform-d	4.65	84	302045	47.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.78%
26) 1,2-Dichloroethane-d4	5.31	65	178600	49.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.26%
32) Benzene-d6	5.34	84	638541	48.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.78%
36) 1,2-Dichloropropane-d6	6.33	67	203877	50.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.90%
41) Toluene-d8	7.56	98	568848	46.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.64%
43) trans-1,3-Dichloropropene-	7.85	79	91540	46.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.04%
47) 2-Hexanone-d5	8.31	63	209396	99.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.92%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	307055	49.54	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.08%
64) 1,2-Dichlorobenzene-d4	11.86	152	235221	49.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.86%

Target Compounds

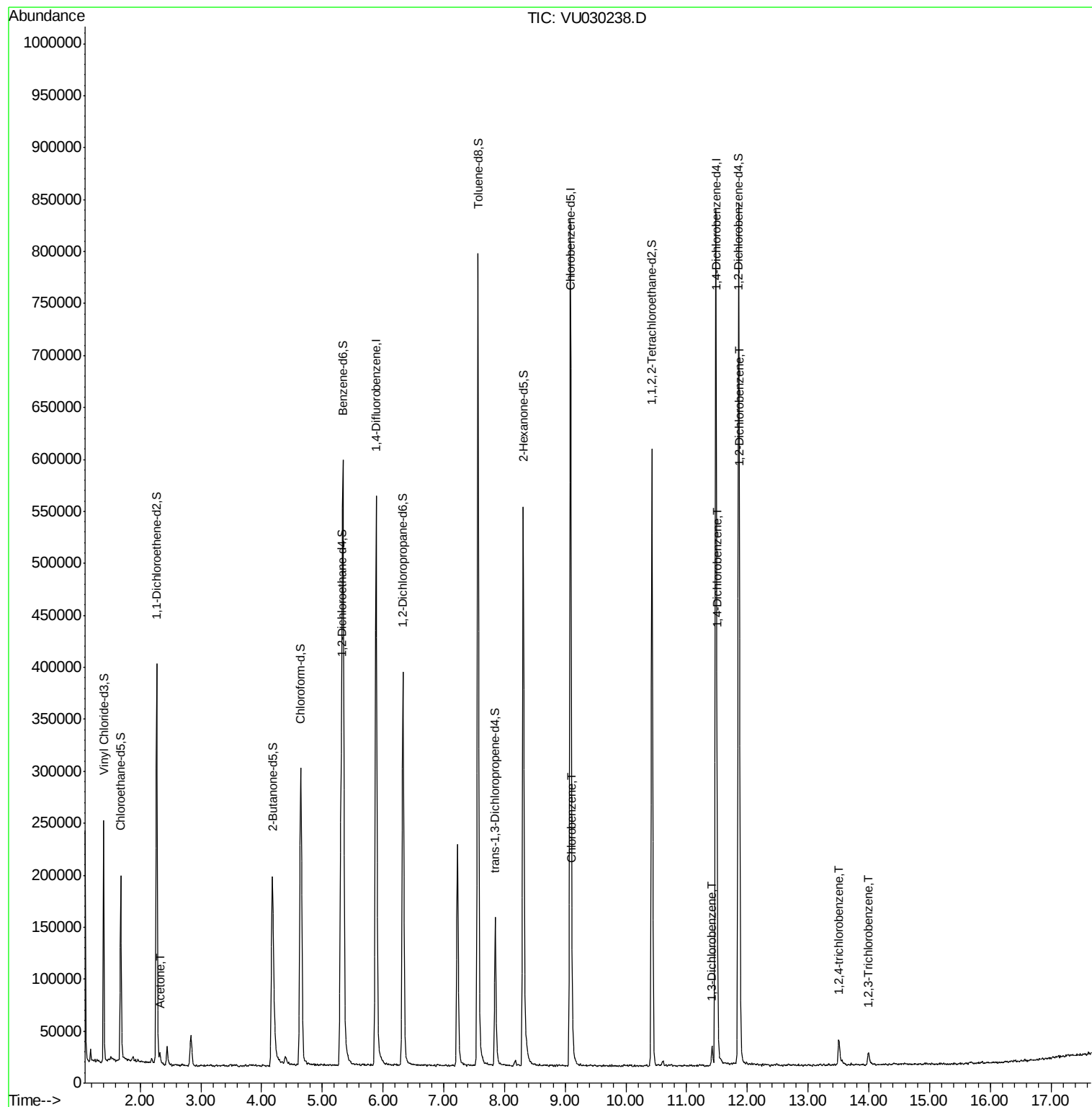
					Ovalue
13) Acetone	2.32	43	8737	3.246	ug/L 95
51) Chlorobenzene	9.12	112	20684	2.009	ug/L 96
62) 1,3-Dichlorobenzene	11.42	146	9113	1.217	ug/L 98
63) 1,4-Dichlorobenzene	11.50	146	46693	6.013	ug/L 98
65) 1,2-Dichlorobenzene	11.88	146	41014	5.362	ug/L 98
68) 1,2,4-trichlorobenzene	13.51	180	11313	2.187	ug/L 97
70) 1,2,3-Trichlorobenzene	14.00	180	7129	1.321	ug/L 91

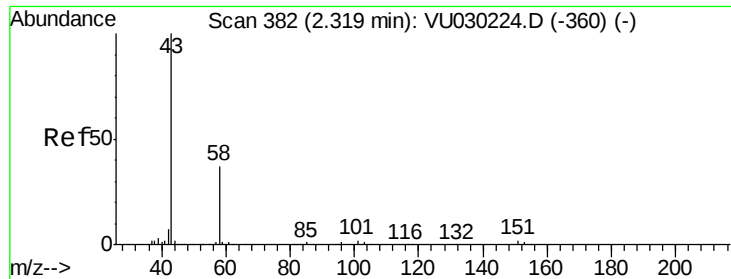
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 3.246 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU030238.D

Acq: 20 Mar 2019 21:18

Instrument :

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ClientSampleId :

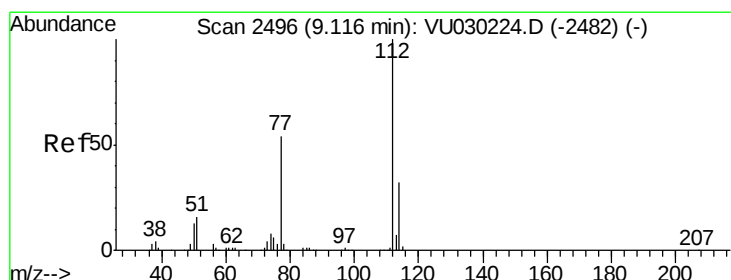
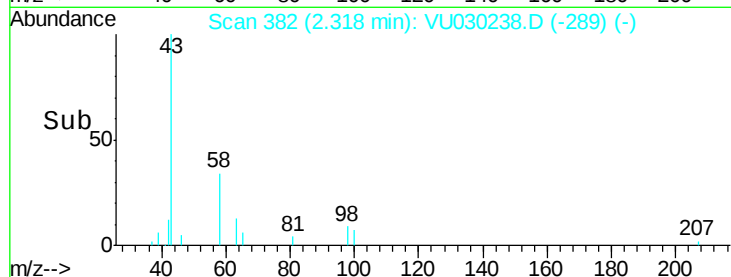
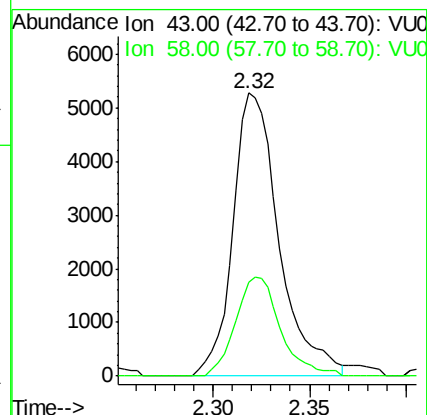
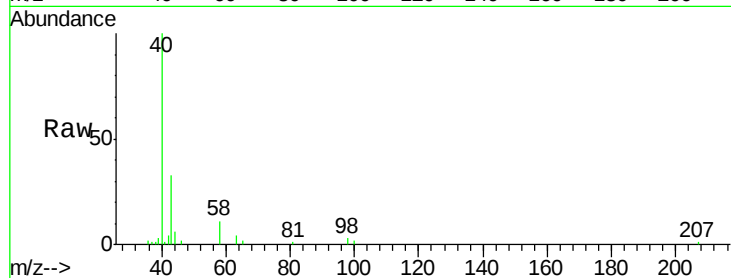
C0969

Tot Ion: 43 Resp: 8737

Ion Ratio Lower Upper

43 100

58 33.8 0.0 73.4



#51

Chlorobenzene

Concen: 2.009 ug/L

RT: 9.12 min Scan# 2497

Delta R.T. 0.00 min

Lab File: VU030238.D

Acq: 20 Mar 2019 21:18

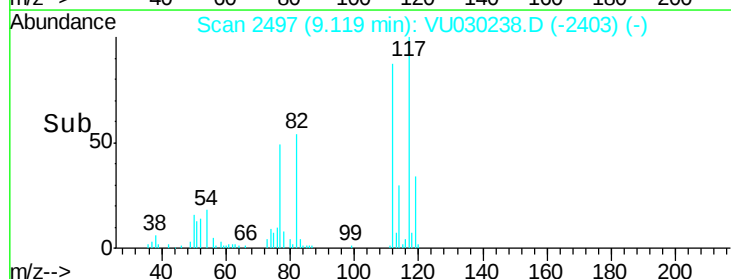
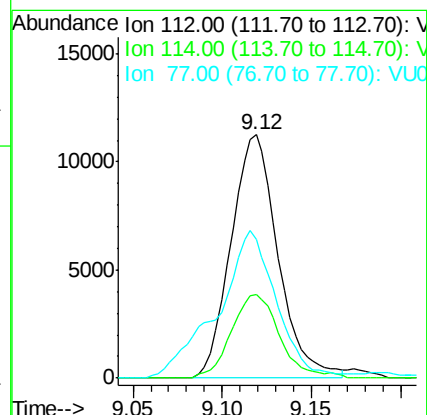
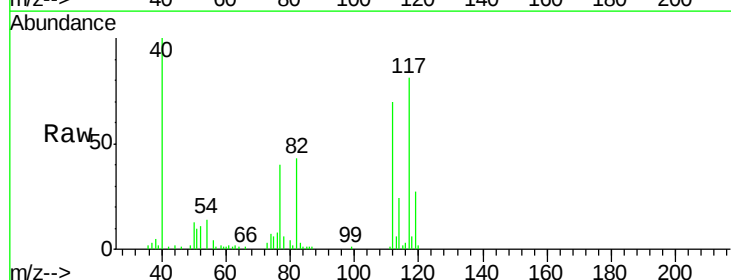
Tgt Ion: 112 Resp: 20684

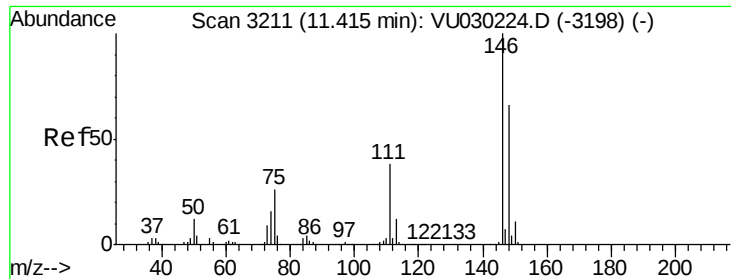
Ion Ratio Lower Upper

112 100

114 34.1 22.5 41.7

77 57.0 43.4 65.0





#62

1,3-Dichlorobenzene

Concen: 1.217 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU030238.D

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ClientSampleId :

C0969

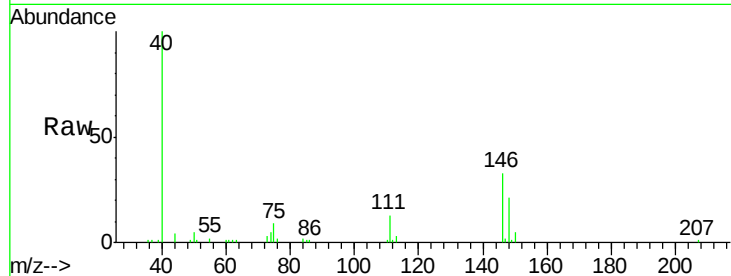
Tot Ion:146 Resp: 9113

Ion Ratio Lower Upper

146 100

111 37.9 27.2 50.4

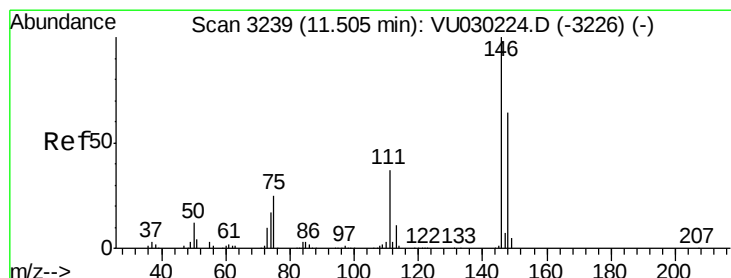
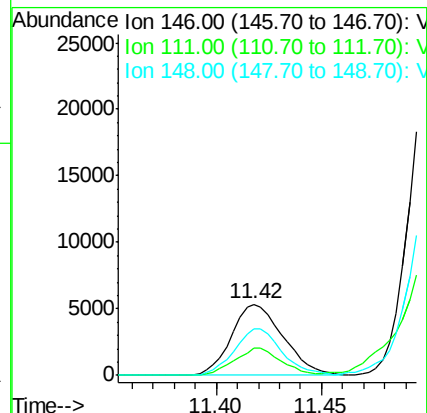
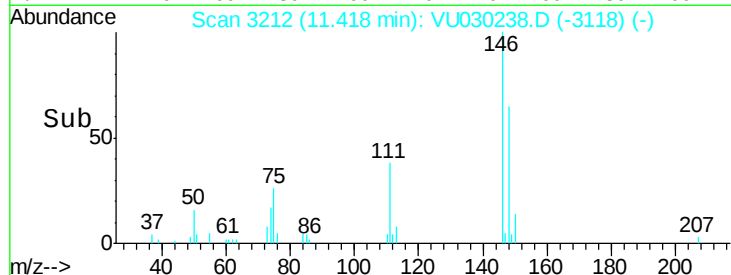
148 64.8 44.4 82.5



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: 6.013 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU030238.D

Acq: 20 Mar 2019 21:18

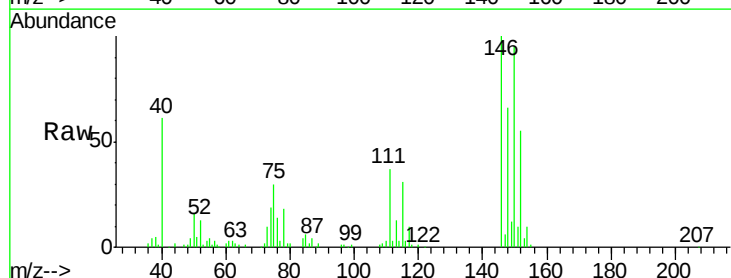
Tgt Ion:146 Resp: 46693

Ion Ratio Lower Upper

146 100

111 36.5 25.3 46.9

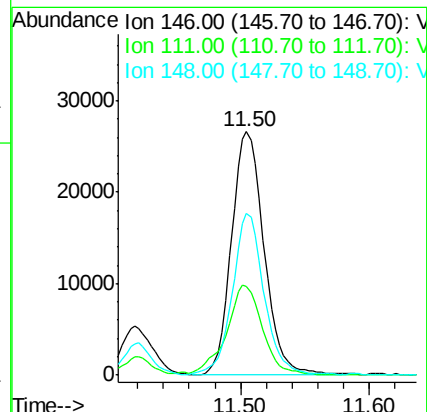
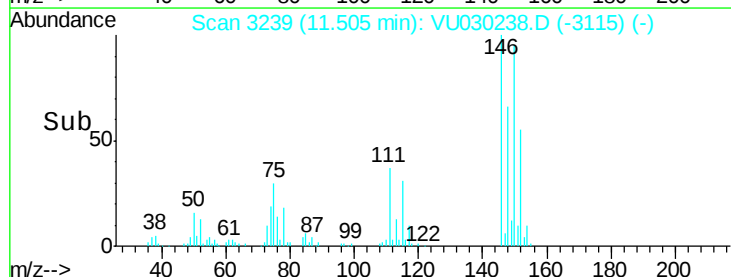
148 66.4 44.7 82.9

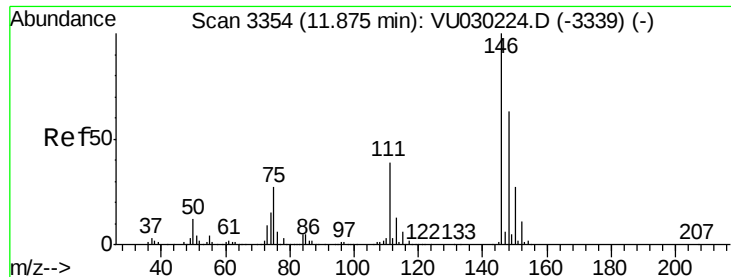


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.362 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU030238.D

Acq: 20 Mar 2019 21:18

Instrument :

MSVOA_U

ClientSampleId :

C0969

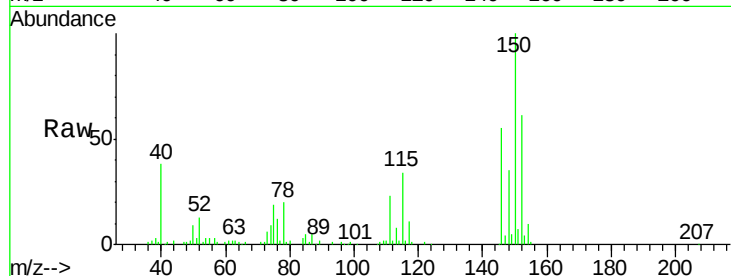
Tot Ion:146 Resp: 41014

Ion Ratio Lower Upper

146 100

111 42.5 31.7 47.5

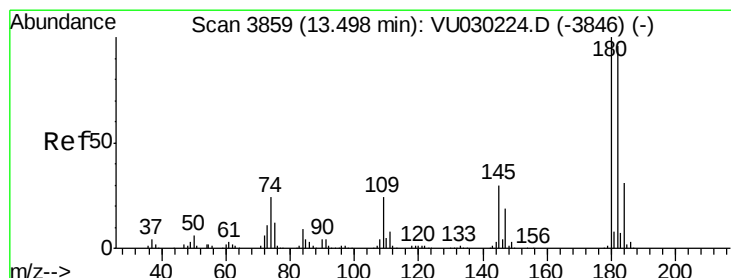
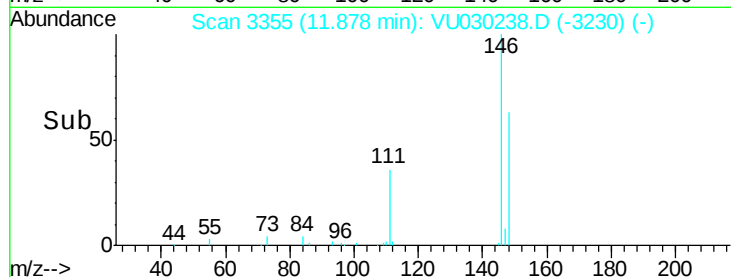
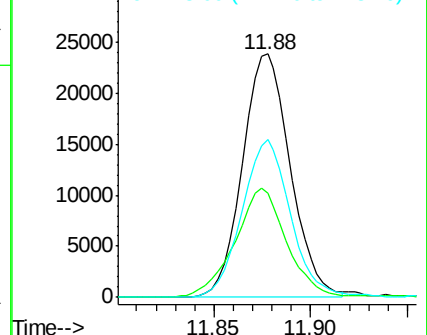
148 64.7 52.0 78.0



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



#68

1,2,4-trichlorobenzene

Concen: 2.187 ug/L

RT: 13.51 min Scan# 3862

Delta R.T. 0.01 min

Lab File: VU030238.D

Acq: 20 Mar 2019 21:18

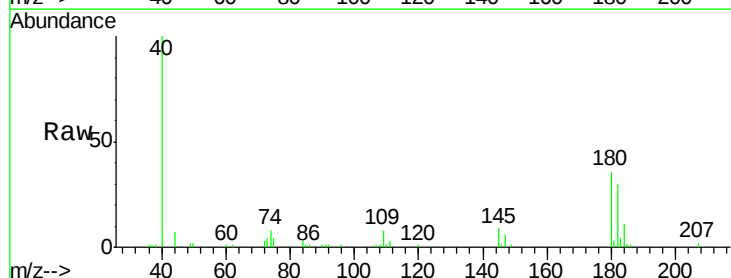
Tgt Ion:180 Resp: 11313

Ion Ratio Lower Upper

180 100

182 92.9 76.4 114.6

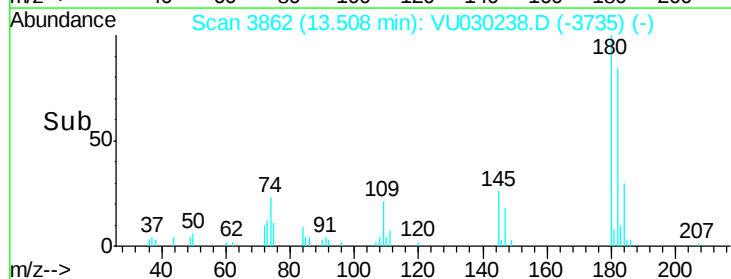
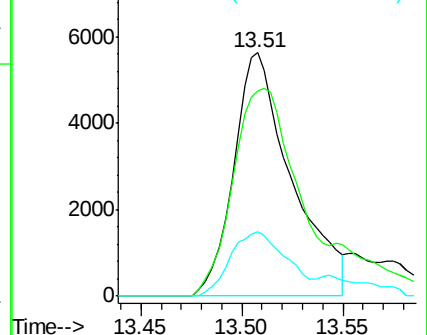
145 26.2 22.7 34.1

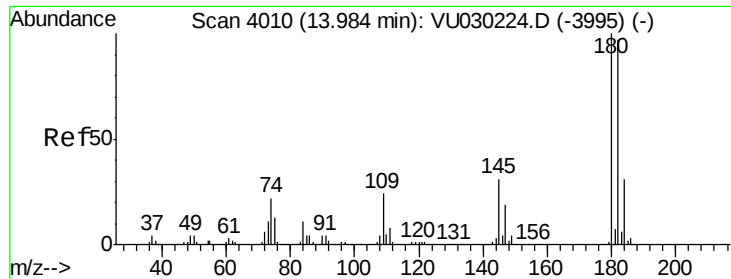


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

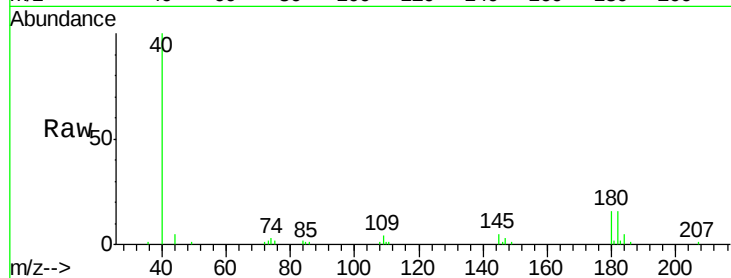




#70
 1,2,3-Trichlorobenzene
 Concen: 1.321 ug/L
 RT: 14.00 min Scan# 4014
 Delta R.T. 0.01 min
 Lab File: VU030238.D
 Acq: 20 Mar 2019 21:18

Instrument :
 MSVOA_U
 ClientSampleId :
 C0969

Tot Ion	Ratio	Lower	Upper
180	100		
182	83.9	75.9	113.9
145	28.2	24.1	36.1



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

