

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032019\
 Data File : VU030246.D
 Acq On : 21 Mar 2019 00:21
 Operator : JC/SP
 Sample : K2017-03
 Misc : 6.66q/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF0D6

Quant Time: Mar 22 03:07:34 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	565976	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	566126	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	294690	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	125861	32.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.78%
7) Chloroethane-d5	1.64	69	60209	19.68	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	39.36%#
11) 1,1-Dichloroethene-d2	2.22	63	187544	26.86	ug/L	-0.05
Spiked Amount	50.000	Range	60 - 125	Recovery	=	53.72%#
21) 2-Butanone-d5	4.20	46	255551	90.01	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.01%
24) Chloroform-d	4.64	84	278489	39.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.30%
26) 1,2-Dichloroethane-d4	5.30	65	170918	42.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.34%
32) Benzene-d6	5.33	84	599506	40.19	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.38%
36) 1,2-Dichloropropane-d6	6.32	67	191317	41.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.90%
41) Toluene-d8	7.56	98	544082	38.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.58%#
43) trans-1,3-Dichloropropene-	7.85	79	85743	38.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.30%
47) 2-Hexanone-d5	8.32	63	228637	95.51	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.51%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	331482	46.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.64%
64) 1,2-Dichlorobenzene-d4	11.86	152	253002	42.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.52%

Target Compounds

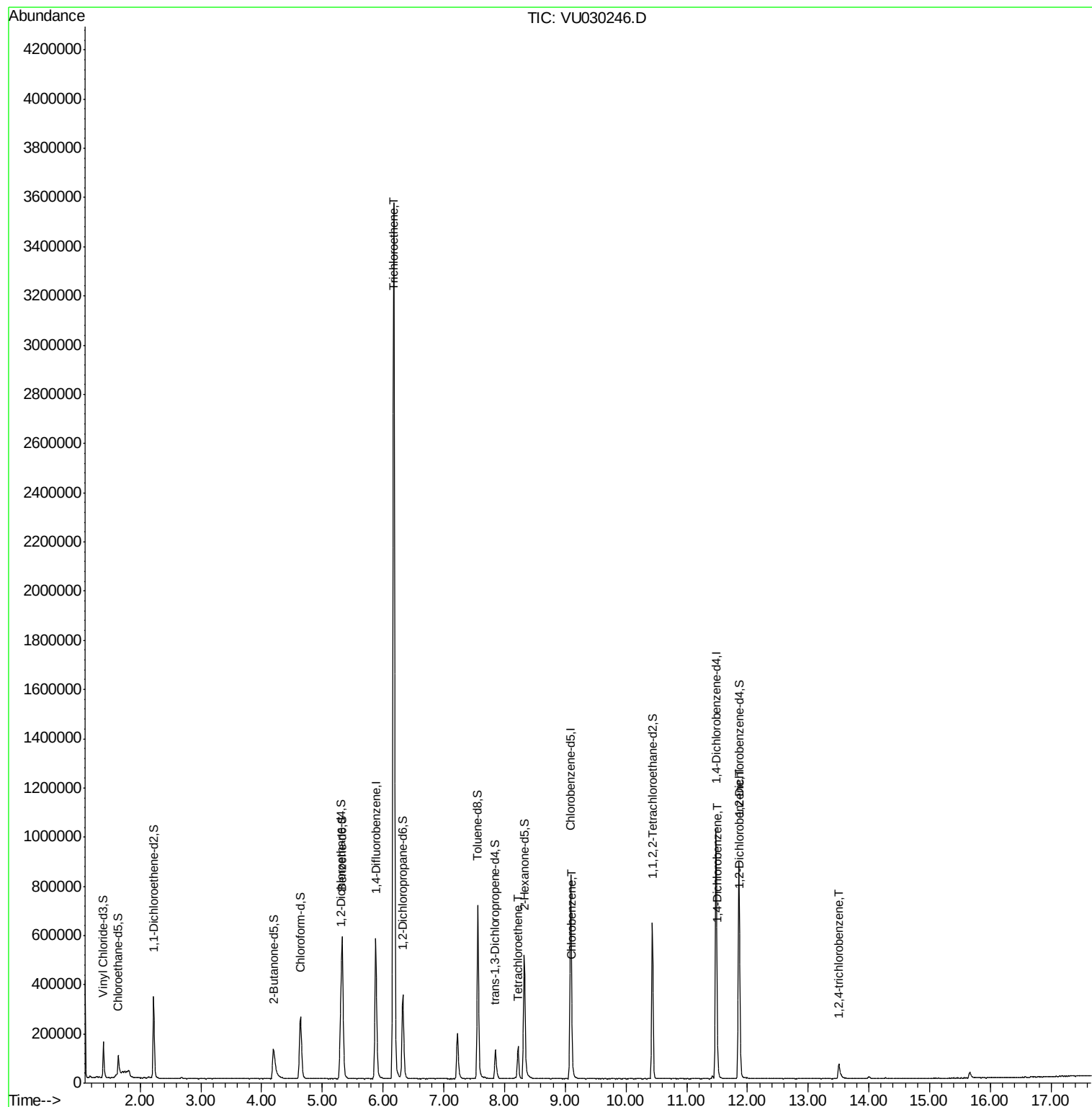
					Ovalue
34) Trichloroethene	6.18	95	1303930	302.883	ug/L 99
46) Tetrachloroethene	8.22	164	34546	9.498	ug/L 94
51) Chlorobenzene	9.12	112	16270	1.383	ug/L 94
63) 1,4-Dichlorobenzene	11.51	146	39772	4.078	ug/L 99
65) 1,2-Dichlorobenzene	11.88	146	54329	5.656	ug/L 97
68) 1,2,4-trichlorobenzene	13.51	180	31816	4.896	ug/L 96

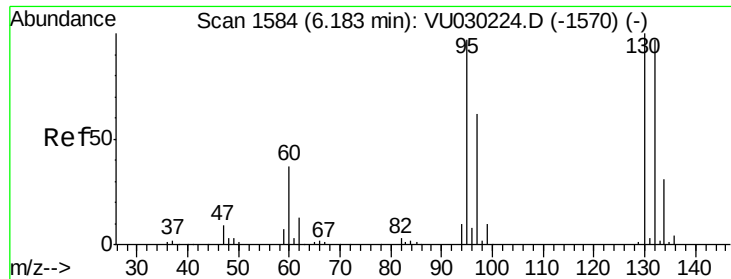
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Mar 22 01:27:23 2019
Response via : Initial Calibration





#34

Trichloroethene

Concen: 302.883 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.01 min

Lab File: VU030246.D

Acq: 21 Mar 2019 00:21

Instrument :

MSVOA_U

ClientSampleId :

BF0D6

Tot Ion: 95 Resp: 1303930

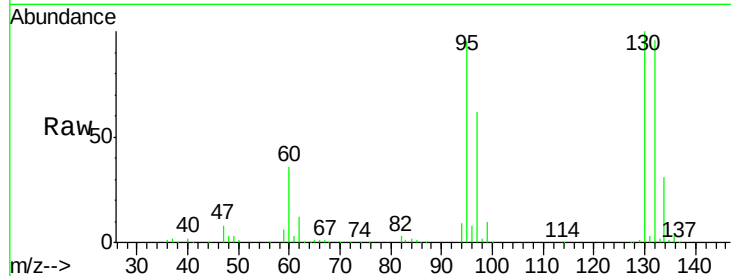
Ion Ratio Lower Upper

95 100

97 64.7 46.2 85.8

132 101.1 69.3 128.7

130 105.0 73.6 136.6

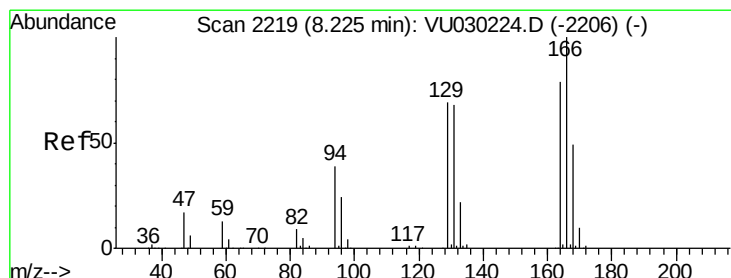
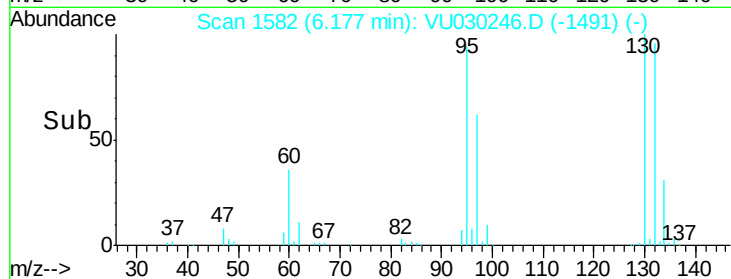
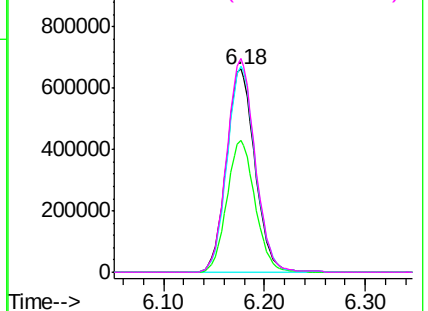


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#46

Tetrachloroethene

Concen: 9.498 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU030246.D

Acq: 21 Mar 2019 00:21

Tgt Ion:164 Resp: 34546

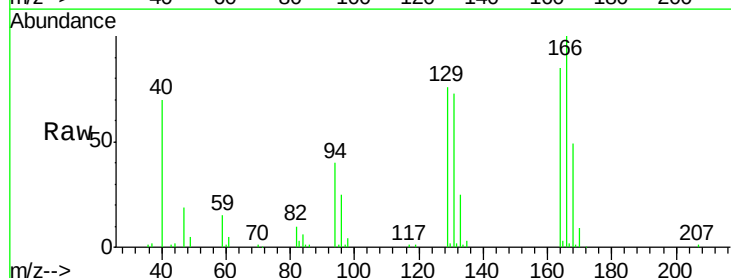
Ion Ratio Lower Upper

164 100

129 89.3 64.4 119.6

131 85.8 63.2 117.4

166 117.1 89.5 166.1

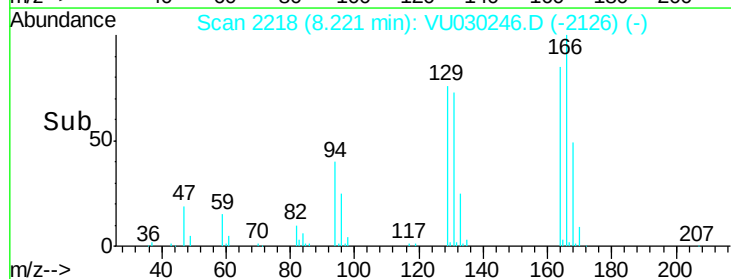
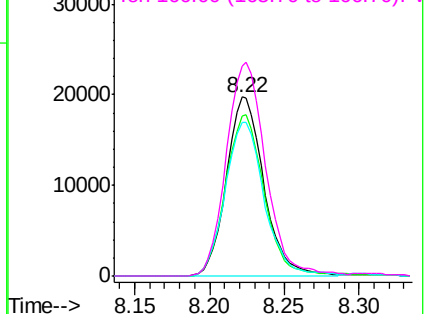


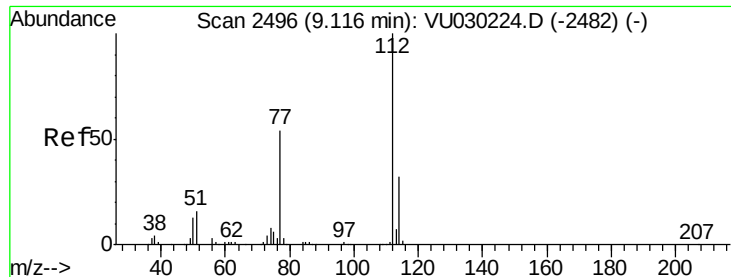
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#51

Chlorobenzene

Concen: 1.383 ug/L

RT: 9.12 min Scan# 2497

Delta R.T. 0.00 min

Lab File: VU030246.D

Acq: 21 Mar 2019 00:21

Instrument :

MSVOA_U

ClientSampleId :

BF0D6

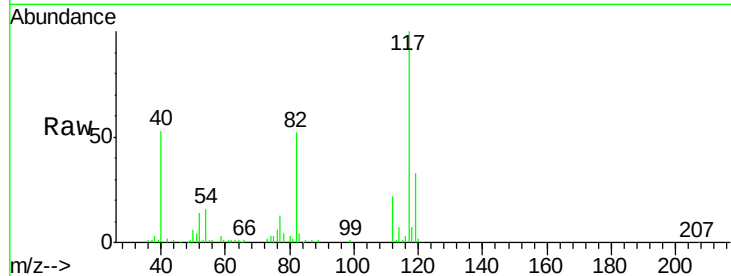
Tot Ion:112 Resp: 16270

Ion Ratio Lower Upper

112 100

114 30.1 22.5 41.7

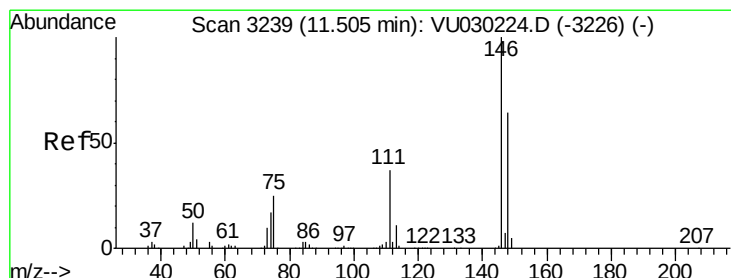
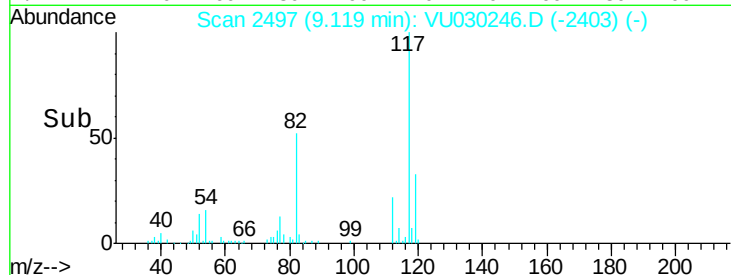
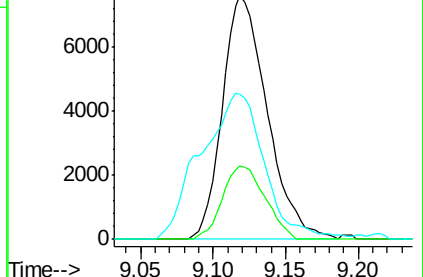
77 59.7 43.4 65.0



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



#63

1,4-Dichlorobenzene

Concen: 4.078 ug/L

RT: 11.51 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU030246.D

Acq: 21 Mar 2019 00:21

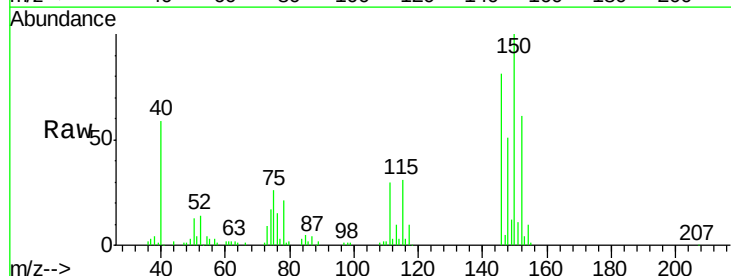
Tgt Ion:146 Resp: 39772

Ion Ratio Lower Upper

146 100

111 36.5 25.3 46.9

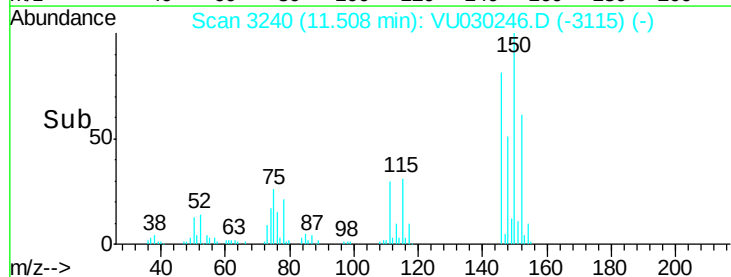
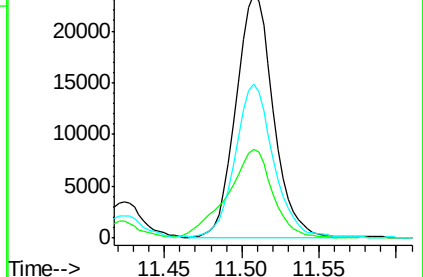
148 63.1 44.7 82.9

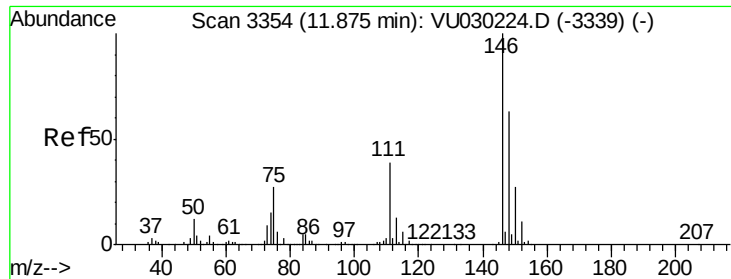


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.656 ug/L

RT: 11.88 min Scan# 3356

Delta R.T. 0.01 min

Lab File: VU030246.D

Acq: 21 Mar 2019 00:21

Instrument :

MSVOA_U

ClientSampled :

BF0D6

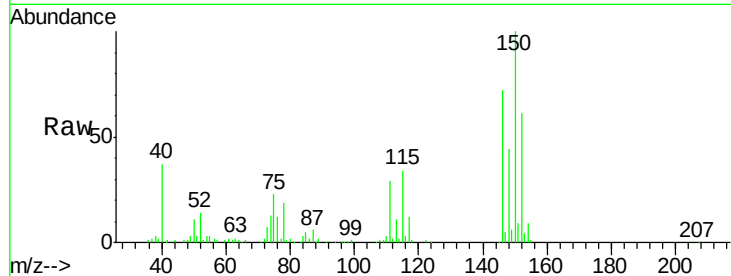
Tot Ion:146 Resp: 54329

Ion Ratio Lower Upper

146 100

111 40.0 31.7 47.5

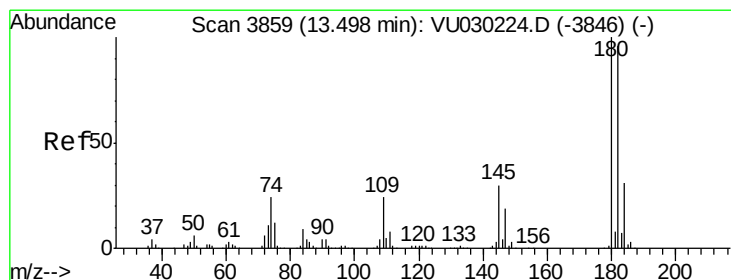
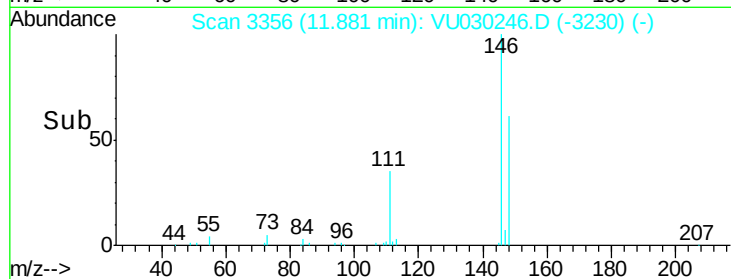
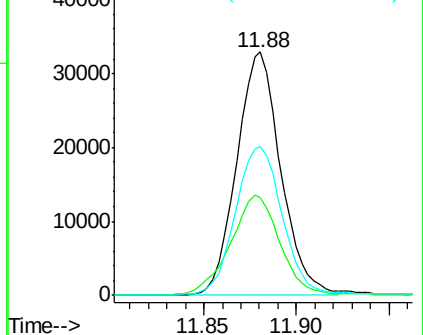
148 61.1 52.0 78.0



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: 4.896 ug/L

RT: 13.51 min Scan# 3862

Delta R.T. 0.01 min

Lab File: VU030246.D

Acq: 21 Mar 2019 00:21

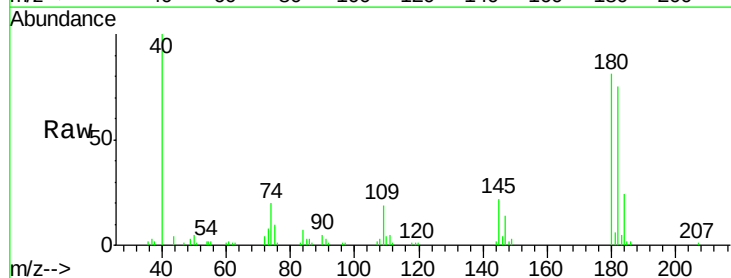
Tgt Ion:180 Resp: 31816

Ion Ratio Lower Upper

180 100

182 99.4 76.4 114.6

145 25.5 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

