

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092118\
 Data File : VU026945.D
 Acq On : 20 Sep 2018 19:57
 Operator : MD/SY
 Sample : J5012-02 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08K4

Quant Time: Sep 21 06:35:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 21 04:24:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	198684	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	184050	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	74300	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	93604	63.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	127.38%
7) Chloroethane-d5	1.66	69	78570	62.46	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	124.92%
11) 1,1-Dichloroethene-d2	2.27	63	130610	46.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.94%
21) 2-Butanone-d5	4.18	46	150332	154.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	154.13%#
24) Chloroform-d	4.65	84	166270	60.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	121.98%
26) 1,2-Dichloroethane-d4	5.31	65	106209	61.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	123.74%
32) Benzene-d6	5.34	84	343183	66.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	133.06%#
36) 1,2-Dichloropropane-d6	6.33	67	110808	66.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	133.34%#
41) Toluene-d8	7.57	98	290807	62.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	124.82%#
43) trans-1,3-Dichloropropene-	7.85	79	46765	63.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	126.04%#
47) 2-Hexanone-d5	8.31	63	107715	164.91	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	164.91%#
57) 1,1,2,2-Tetrachloroethane-	10.43	84	154692	66.75	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	133.50%#
64) 1,2-Dichlorobenzene-d4	11.86	152	120160	77.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	155.48%#

Target Compounds

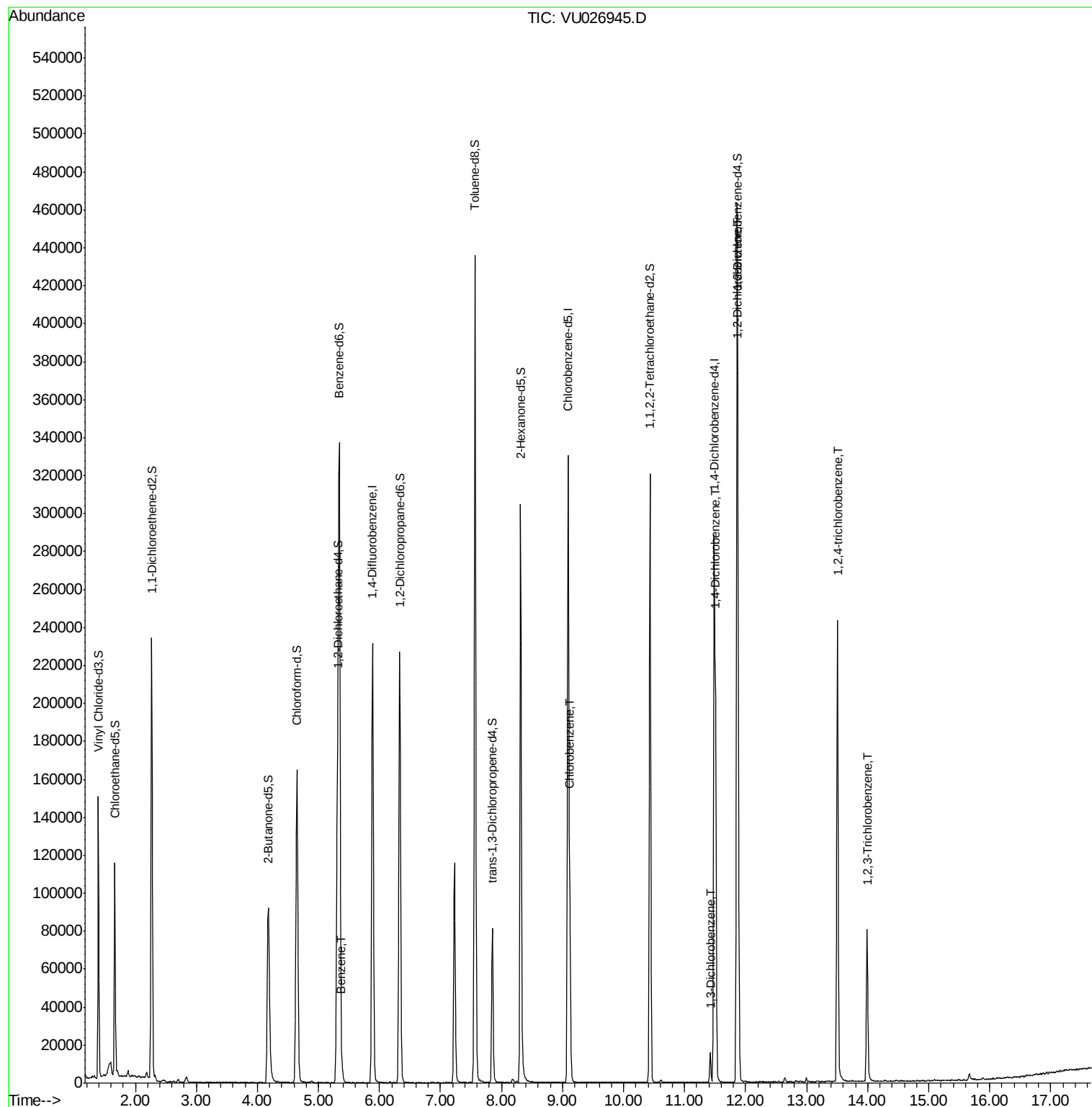
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
33) Benzene	5.39	78	4637	0.813	ug/L	100
51) Chlorobenzene	9.12	112	49977	12.755	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	7172	3.166	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	76242	30.569	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	57602	22.968	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	83063	54.994	ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	29380	17.664	ug/L	99

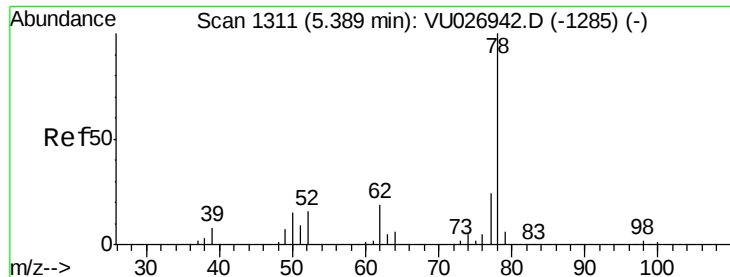
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#33

Benzene

Concen: 0.813 ug/L

RT: 5.39 min Scan# 1310

Delta R.T. -0.01 min

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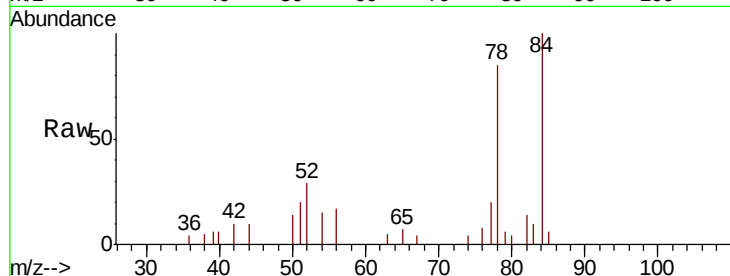
Instrument :

MSVOA_U

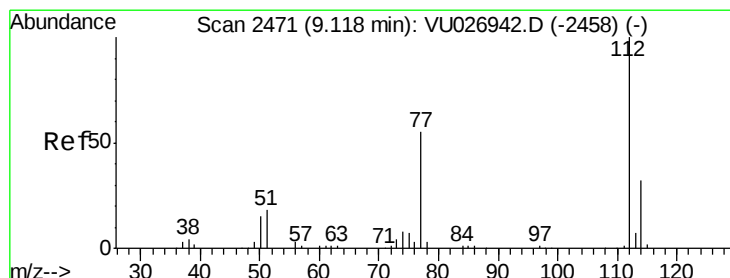
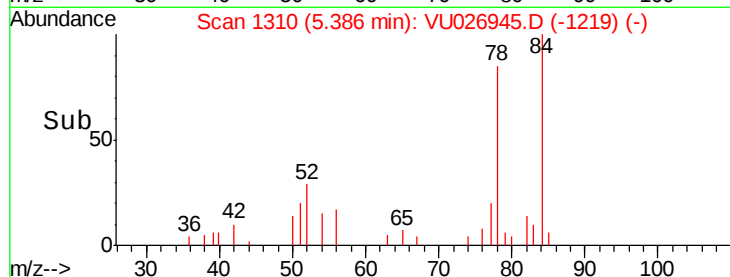
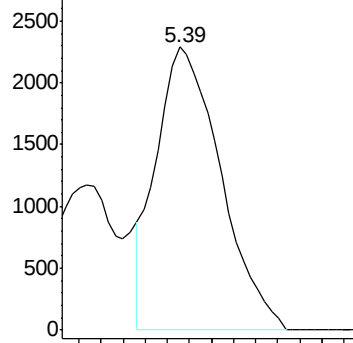
ClientSampleId :

C08K4

Tgt Ion: 78 Resp: 4637



Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 12.755 ug/L

RT: 9.12 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VU026945.D

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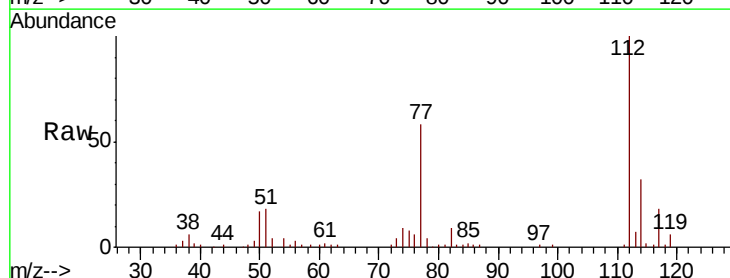
Tgt Ion: 112 Resp: 49977

Ion Ratio Lower Upper

112 100

114 31.7 22.3 41.5

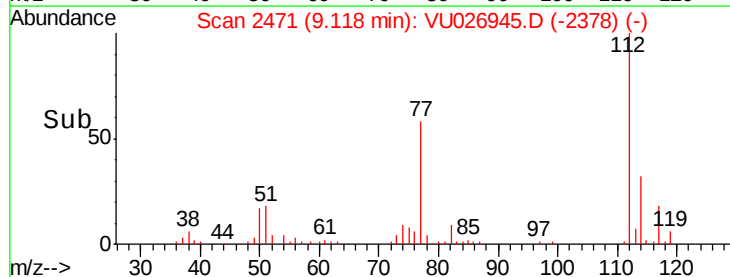
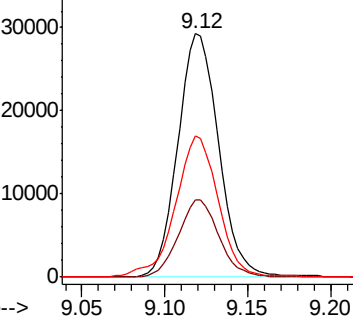
77 57.8 45.1 67.7

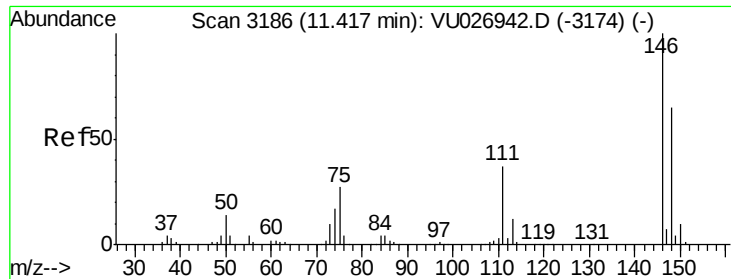


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 3.166 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU026945.D

Acq: 20 Sep 2018 19:57

Instrument :

MSVOA_U

ClientSampled :

C08K4

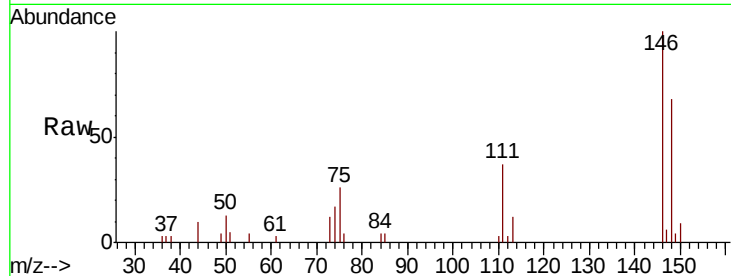
Tot Ion:146 Resp: 7172

Ion Ratio Lower Upper

146 100

111 37.4 26.7 49.7

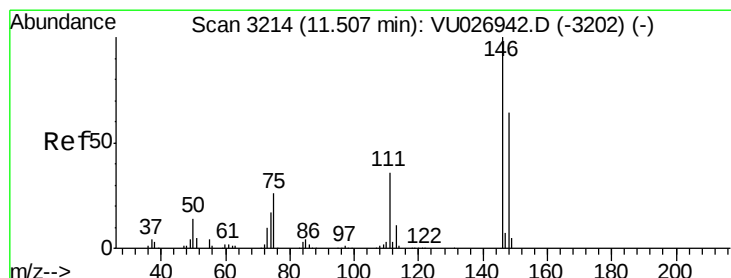
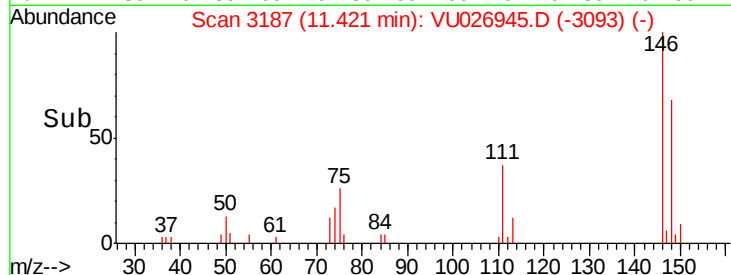
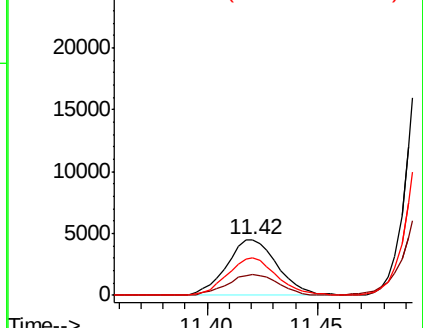
148 67.5 44.9 83.5



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: 30.569 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU026945.D

Acq: 20 Sep 2018 19:57

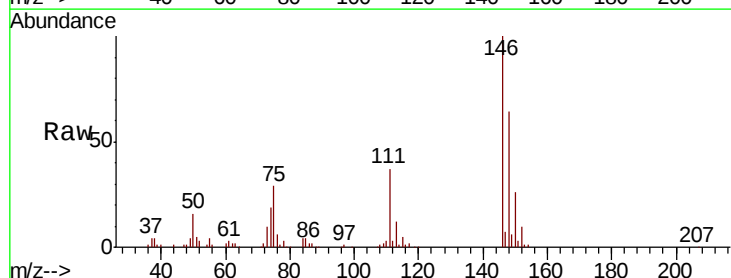
Tgt Ion:146 Resp: 76242

Ion Ratio Lower Upper

146 100

111 37.1 26.0 48.2

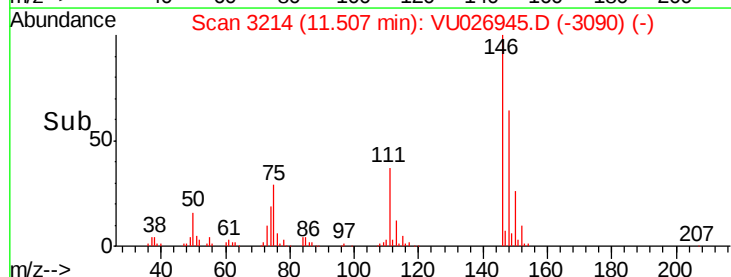
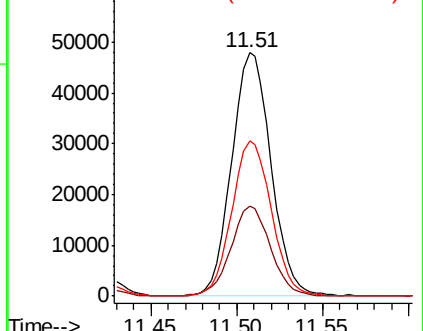
148 64.0 45.8 85.2

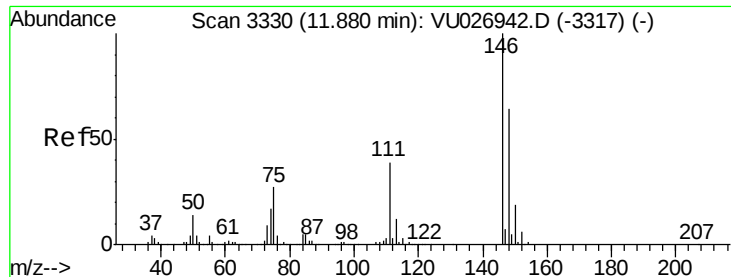


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 22.968 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU026945.D

Acq: 20 Sep 2018 19:57

Instrument :

MSVOA_U

ClientSampleId :

C08K4

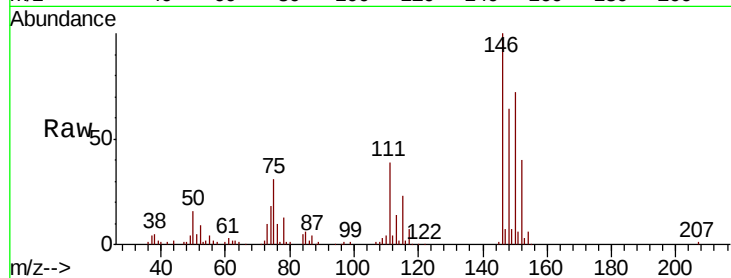
Tot Ion:146 Resp: 57602

Ion Ratio Lower Upper

146 100

111 38.9 31.4 47.0

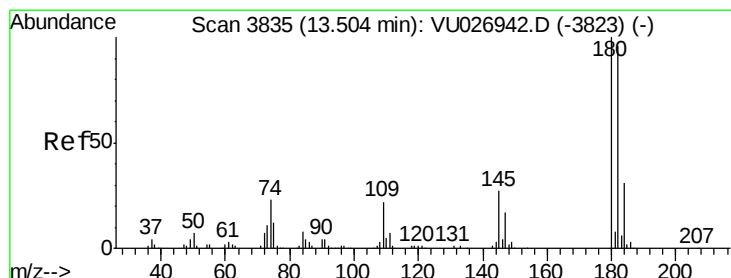
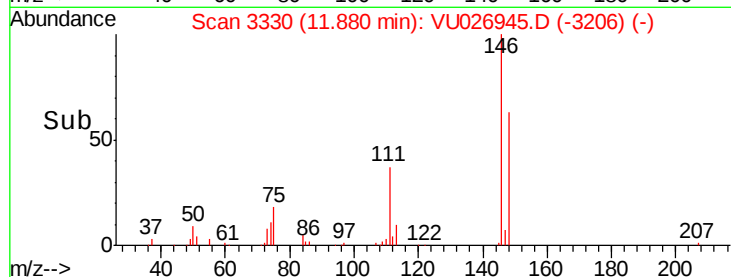
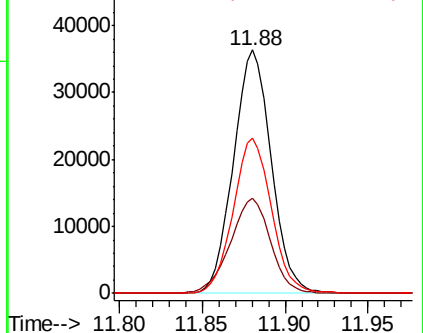
148 63.7 51.4 77.2



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



#68

1,2,4-trichlorobenzene

Concen: 54.994 ug/L

RT: 13.50 min Scan# 3835

Delta R.T. 0.00 min

Lab File: VU026945.D

Acq: 20 Sep 2018 19:57

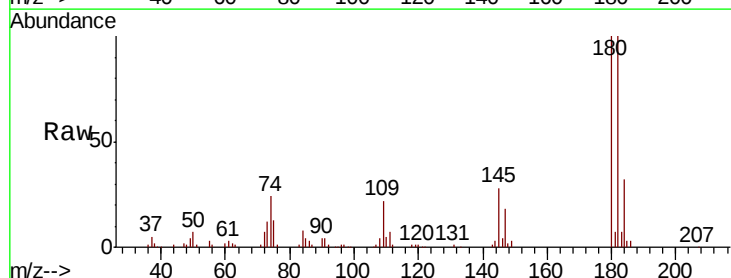
Tgt Ion:180 Resp: 83063

Ion Ratio Lower Upper

180 100

182 98.2 76.8 115.2

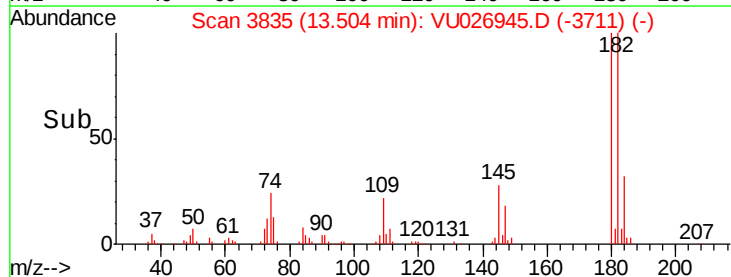
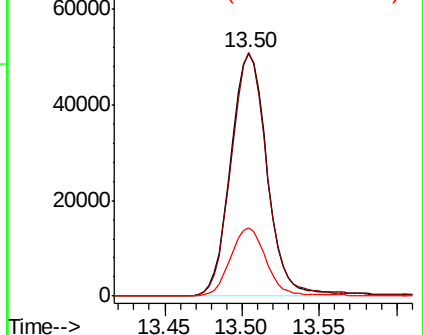
145 27.2 22.2 33.2

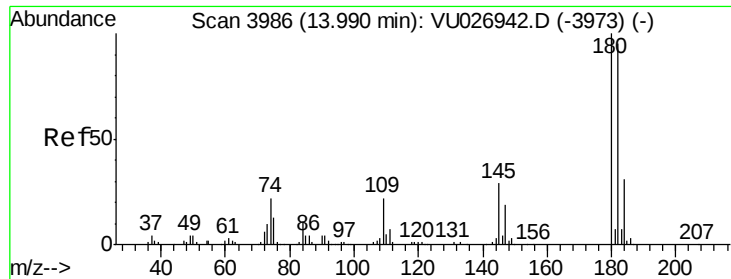


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 17.664 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026945.D
 Acq: 20 Sep 2018 19:57

Instrument :
 MSVOA_U
 ClientSampleId :
 C08K4

Tot Ion:180	Resp:	29380
Ion	Ratio	Lower Upper
180	100	
182	95.2	75.6 113.4
145	29.5	23.8 35.6

