

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092118\
 Data File : VU026941.D
 Acq On : 20 Sep 2018 16:55
 Operator : MD/SY
 Sample : VIBLK45
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK45

Quant Time: Sep 21 05:55:45 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	289635	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	266546	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	121546	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	79553	37.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.26%
7) Chloroethane-d5	1.68	69	73725	40.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.40%
11) 1,1-Dichloroethene-d2	2.27	63	118324	29.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.38%#
21) 2-Butanone-d5	4.18	46	112254	78.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	78.95%
24) Chloroform-d	4.65	84	137936	34.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	69.42%#
26) 1,2-Dichloroethane-d4	5.31	65	90730	36.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	72.50%
32) Benzene-d6	5.34	84	299790	40.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.26%
36) 1,2-Dichloropropane-d6	6.33	67	95365	39.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	79.24%
41) Toluene-d8	7.57	98	259036	38.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	76.76%#
43) trans-1,3-Dichloropropene-	7.85	79	40872	38.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.06%
47) 2-Hexanone-d5	8.31	63	76556	80.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.93%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	121732	36.27	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	72.54%
64) 1,2-Dichlorobenzene-d4	11.86	152	104973	41.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.04%

Target Compounds

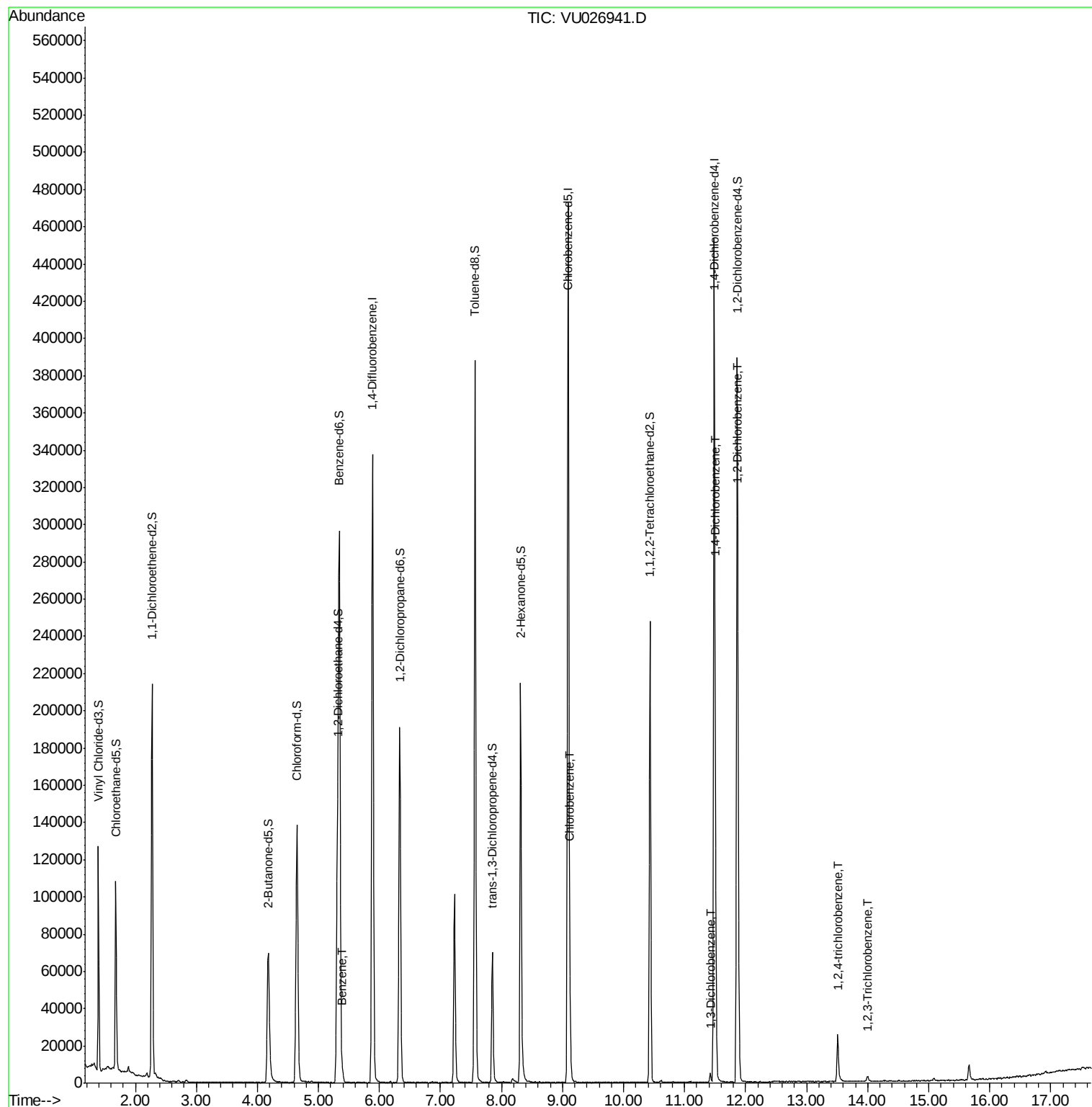
					Ovalue
33) Benzene	5.39	78	5684	0.688 ug/L	100
51) Chlorobenzene	9.12	112	24616	4.338 ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	2750	0.742 ug/L	96
63) 1,4-Dichlorobenzene	11.51	146	34146	8.369 ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	31971	7.793 ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	11004	4.454 ug/L	97
70) 1,2,3-Trichlorobenzene	14.00	180	1658	0.609 ug/L	96

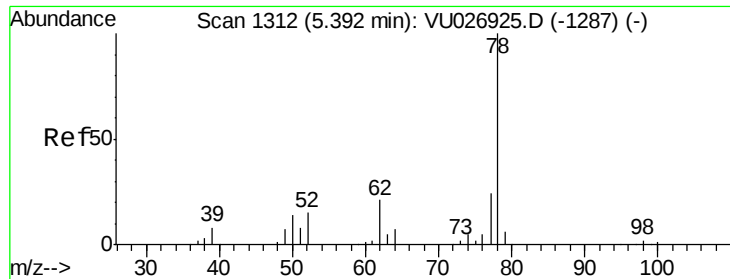
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 21 04:24:07 2018
Response via : Initial Calibration





#33

Benzene

Concen: 0.688 ug/L

RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU026941.D

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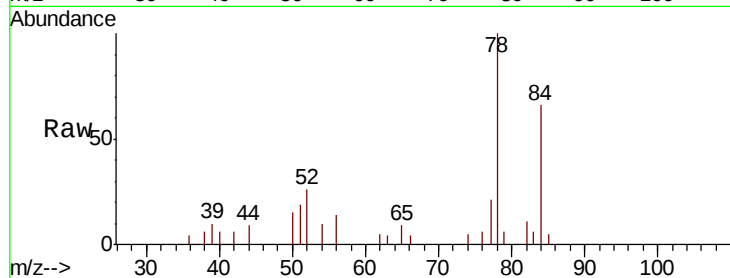
Instrument :

MSVOA_U

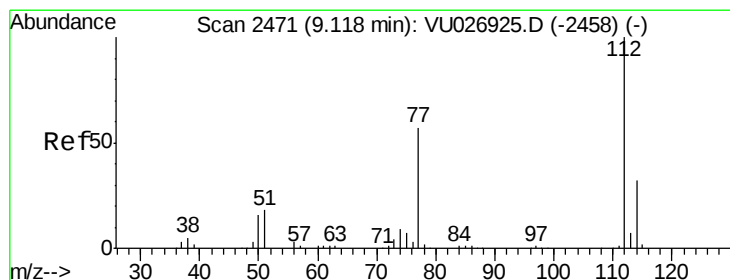
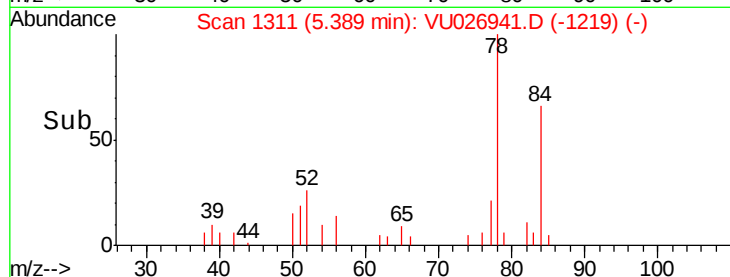
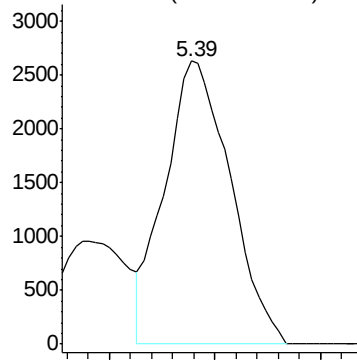
ClientSampleId :

VIBLK45

Tgt Ion: 78 Resp: 5684



Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 4.338 ug/L

RT: 9.12 min Scan# 2472

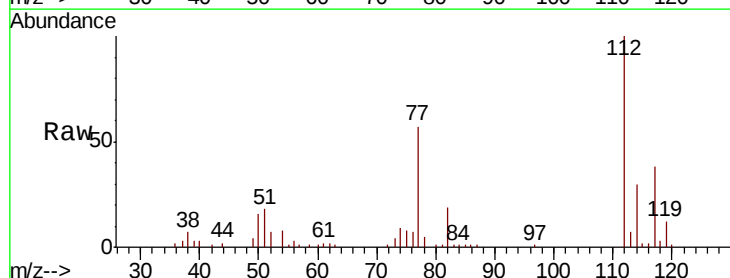
Delta R.T. 0.00 min

Lab File: VU026941.D

Acq: 20 Sep 2018 16:55

Tgt Ion: 112 Resp: 24616

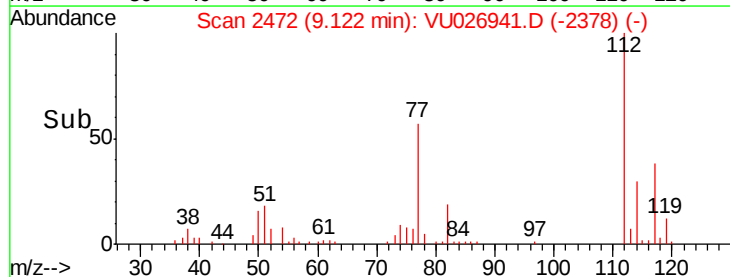
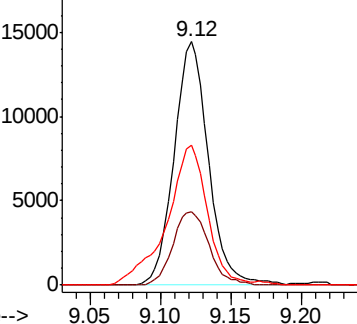
Ion	Ratio	Lower	Upper
112	100		
114	29.9	22.3	41.5
77	57.3	45.1	67.7

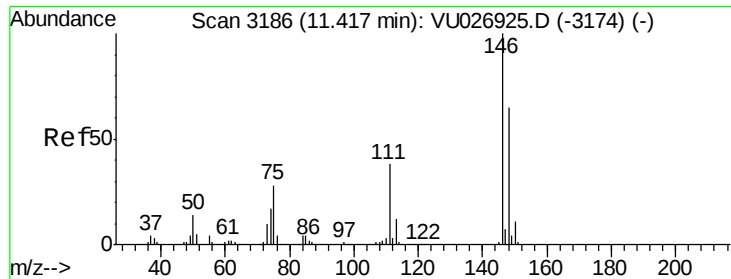


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 0.742 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU026941.D

Acq: 20 Sep 2018 16:55

Instrument :

MSVOA_U

ClientSampleId :

VIBLK45

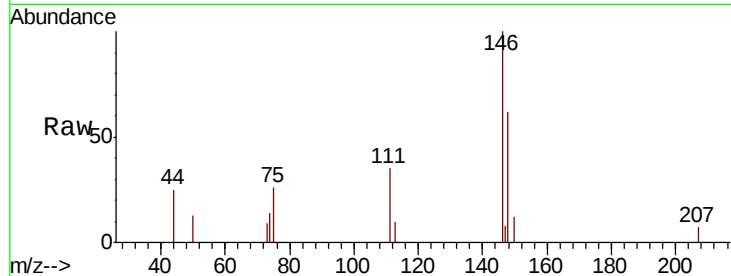
Tot Ion:146 Resp: 2750

Ion Ratio Lower Upper

146 100

111 35.1 26.7 49.7

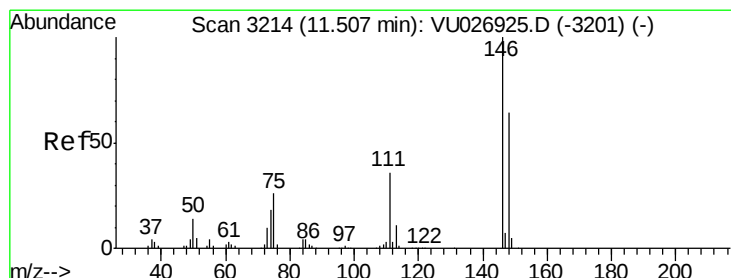
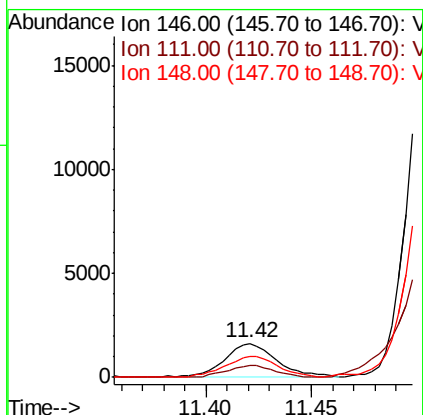
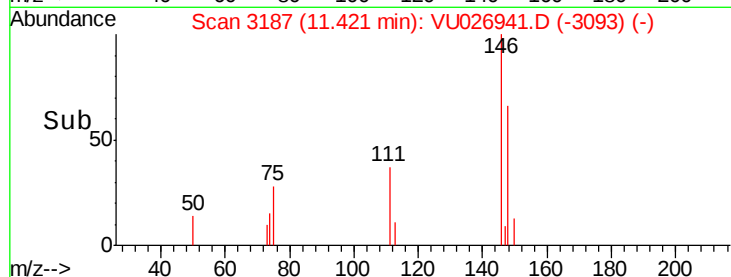
148 61.9 44.9 83.5



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: 8.369 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU026941.D

Acq: 20 Sep 2018 16:55

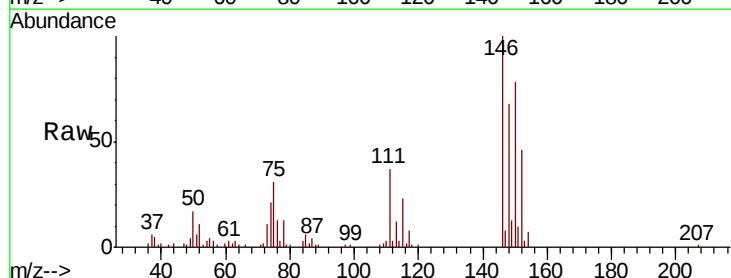
Tgt Ion:146 Resp: 34146

Ion Ratio Lower Upper

146 100

111 37.0 26.0 48.2

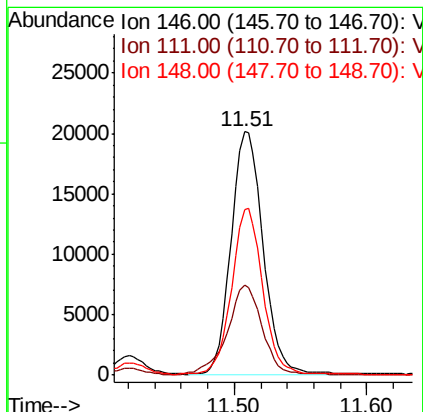
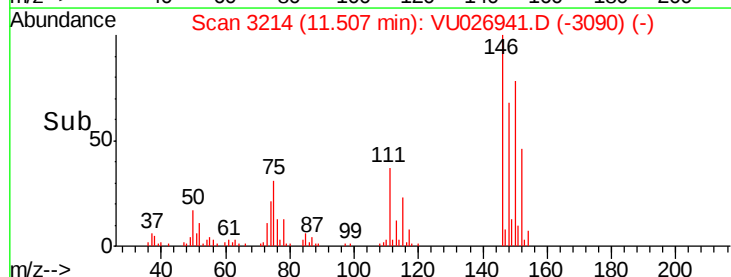
148 68.1 45.8 85.2

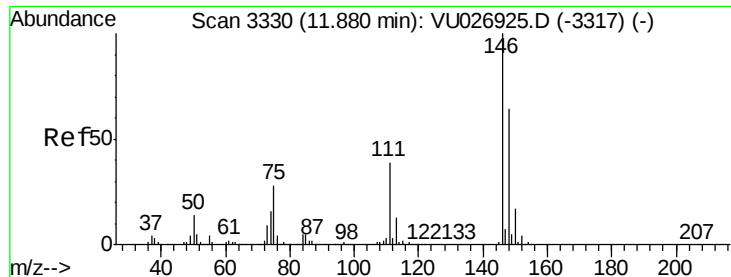


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 7.793 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU026941.D

Acq: 20 Sep 2018 16:55

Instrument :

MSVOA_U

ClientSampleId :

VIBLK45

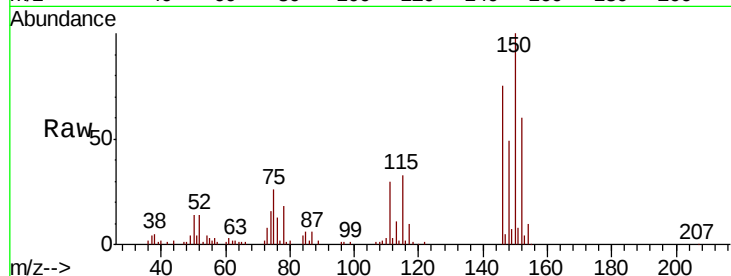
Tot Ion:146 Resp: 31971

Ion Ratio Lower Upper

146 100

111 40.1 31.4 47.0

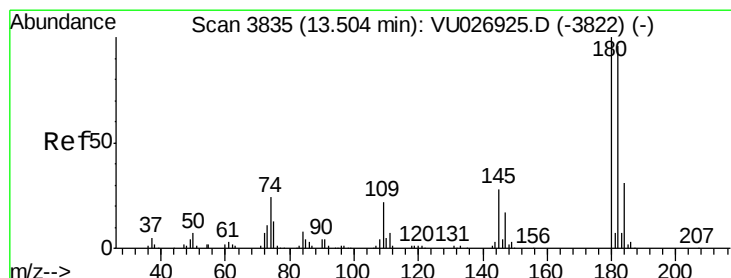
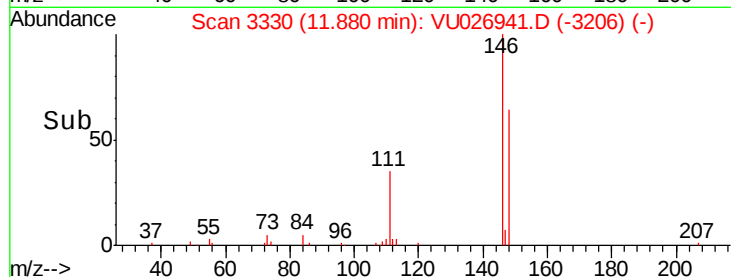
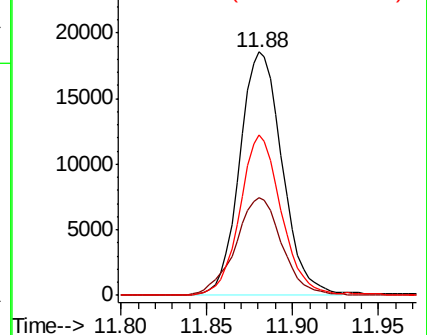
148 65.8 51.4 77.2



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: 4.454 ug/L

RT: 13.51 min Scan# 3836

Delta R.T. 0.00 min

Lab File: VU026941.D

Acq: 20 Sep 2018 16:55

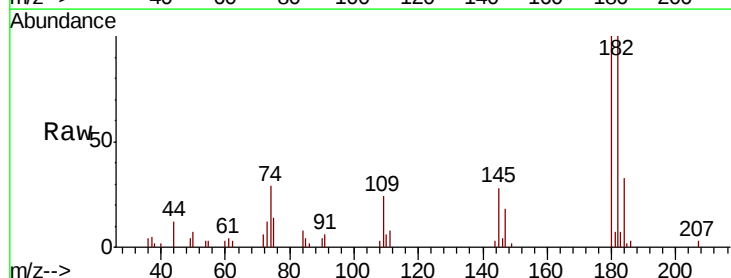
Tgt Ion:180 Resp: 11004

Ion Ratio Lower Upper

180 100

182 93.9 76.8 115.2

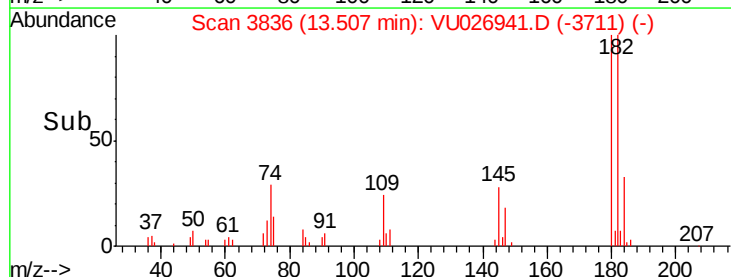
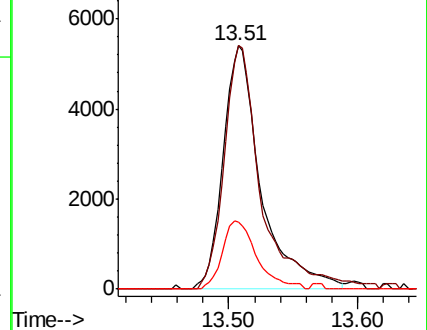
145 25.4 22.2 33.2

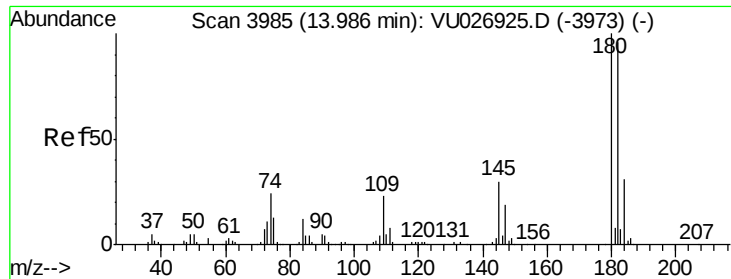


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 0.609 ug/L
 RT: 14.00 min Scan# 3988
 Delta R.T. 0.01 min
 Lab File: VU026941.D
 Acq: 20 Sep 2018 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK45

Tot Ion:180 Resp: 1658
 Ion Ratio Lower Upper
 180 100
 182 97.7 75.6 113.4
 145 27.1 23.8 35.6

