

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091818\
 Data File : VU026851.D
 Acq On : 18 Sep 2018 10:59
 Operator : MD/SY
 Sample : J4896-02 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08P1

Quant Time: Sep 19 06:00:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 19 05:05:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	238212	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	226950	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	93328	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	79175	44.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.86%
7) Chloroethane-d5	1.68	69	73324	48.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.22%
11) 1,1-Dichloroethene-d2	2.27	63	120674	36.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.38%
21) 2-Butanone-d5	4.18	46	131808	112.72	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.72%
24) Chloroform-d	4.65	84	160759	49.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.36%
26) 1,2-Dichloroethane-d4	5.31	65	106128	51.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.12%
32) Benzene-d6	5.34	84	328146	51.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.18%
36) 1,2-Dichloropropane-d6	6.33	67	107382	52.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.80%
41) Toluene-d8	7.57	98	277194	48.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.48%
43) trans-1,3-Dichloropropene-	7.85	79	44831	49.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.00%
47) 2-Hexanone-d5	8.31	63	92880	115.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	115.32%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	145462	50.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.82%
64) 1,2-Dichlorobenzene-d4	11.86	152	108820	56.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.10%

Target Compounds

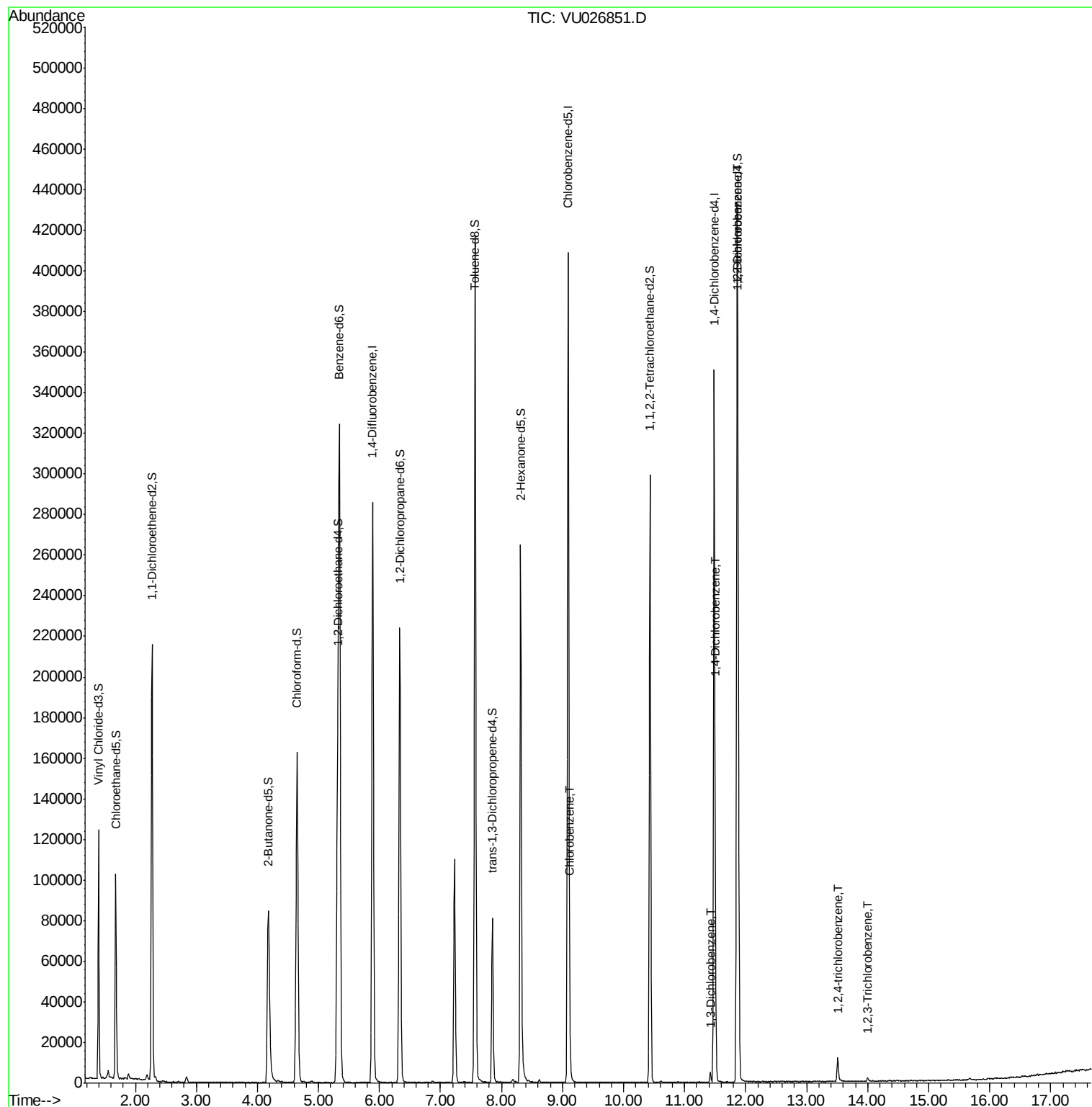
					Ovalue
51) Chlorobenzene	9.12	112	9747	2.017 ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	2379	0.836 ug/L	96
63) 1,4-Dichlorobenzene	11.51	146	10874	3.471 ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	63554	20.174 ug/L	97
68) 1,2,4-trichlorobenzene	13.51	180	5087	2.681 ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	1028	0.492 ug/L #	92

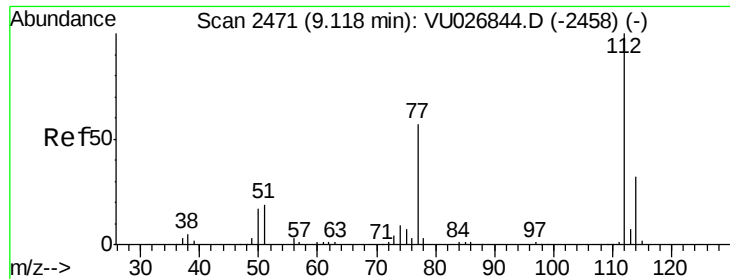
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Sep 19 05:05:35 2018
Response via : Initial Calibration

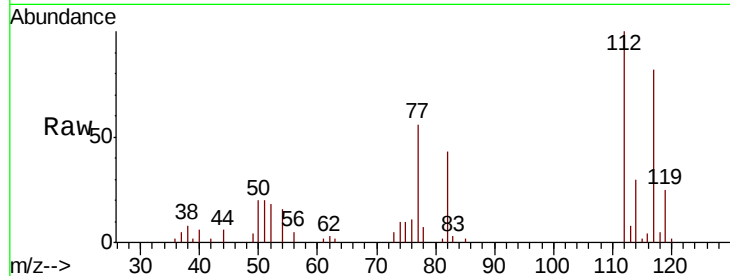




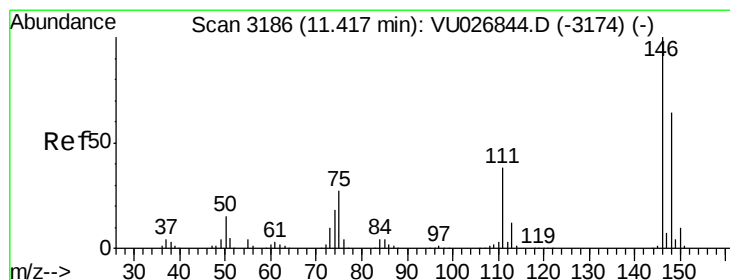
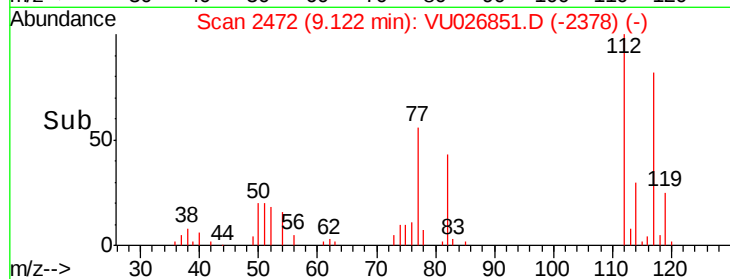
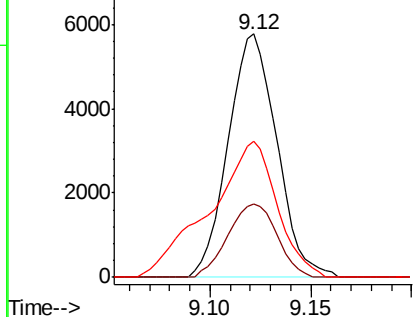
#51
Chlorobenzene
Concen: 2.017 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026851.D
Acq: 18 Sep 2018 10:59

Instrument :
MSVOA_U
ClientSampleId :
C08P1

Tot Ion:112 Resp: 9747
Ion Ratio Lower Upper
112 100
114 30.2 22.3 41.5
77 56.2 45.1 67.7

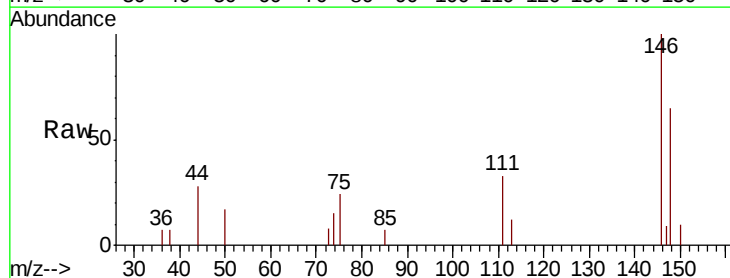


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

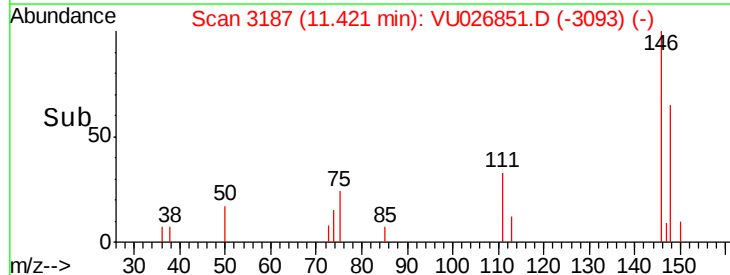
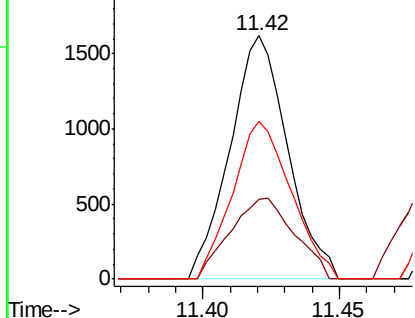


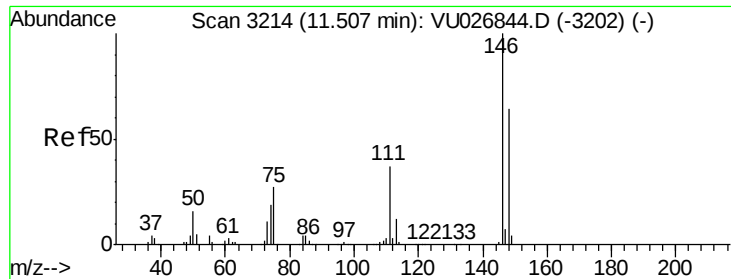
#62
1,3-Dichlorobenzene
Concen: 0.836 ug/L
RT: 11.42 min Scan# 3187
Delta R.T. 0.00 min
Lab File: VU026851.D
Acq: 18 Sep 2018 10:59

Tgt Ion:146 Resp: 2379
Ion Ratio Lower Upper
146 100
111 32.9 26.7 49.7
148 64.8 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: 3.471 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU026851.D

Acq: 18 Sep 2018 10:59

Instrument :

MSVOA_U

ClientSampleId :

C08P1

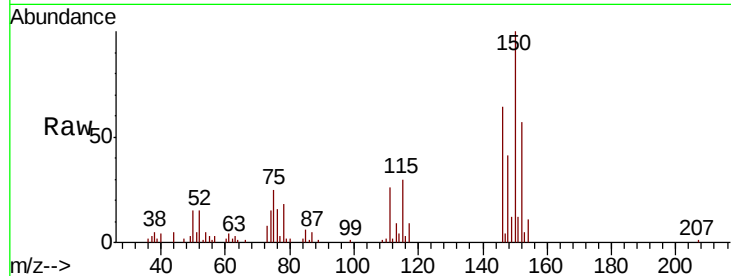
Tot Ion:146 Resp: 10874

Ion Ratio Lower Upper

146 100

111 40.2 26.0 48.2

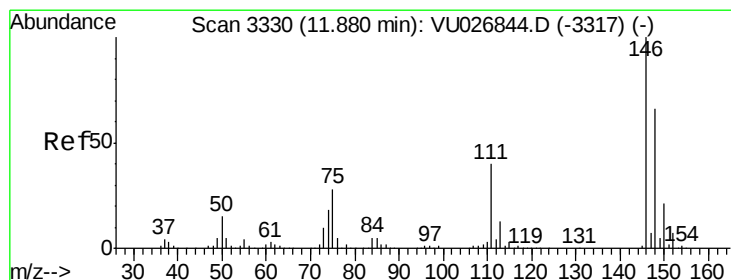
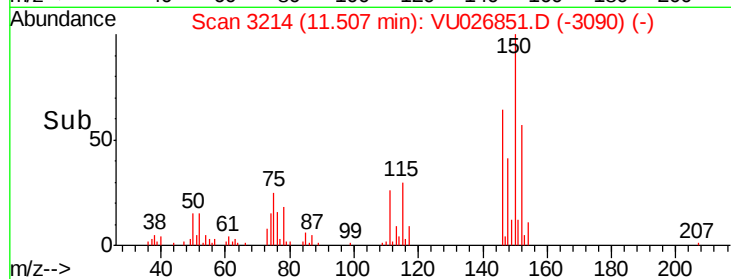
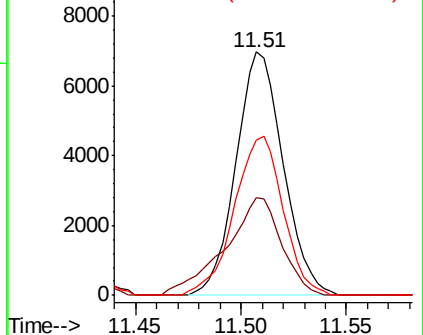
148 63.7 45.8 85.2



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: 20.174 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU026851.D

Acq: 18 Sep 2018 10:59

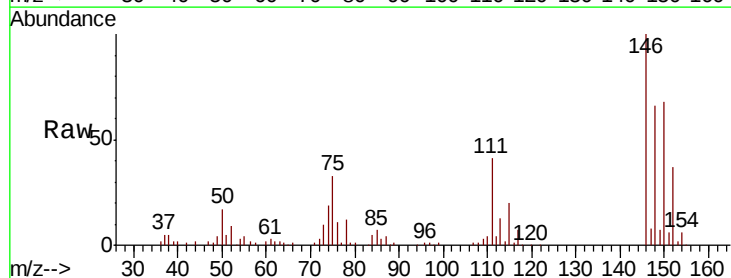
Tgt Ion:146 Resp: 63554

Ion Ratio Lower Upper

146 100

111 41.3 31.4 47.0

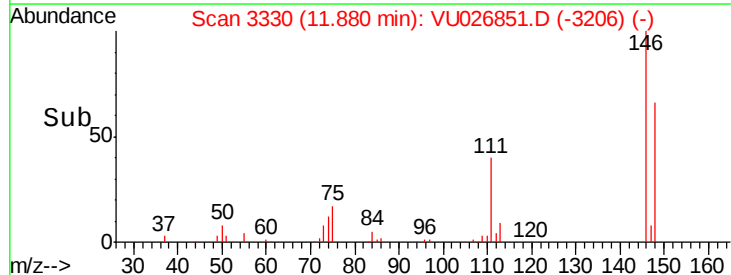
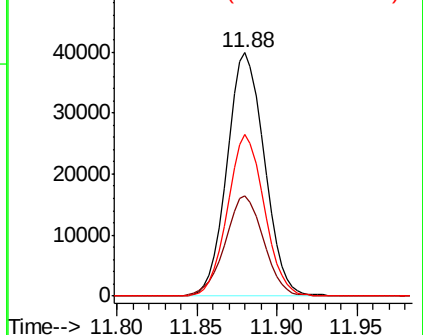
148 66.2 51.4 77.2

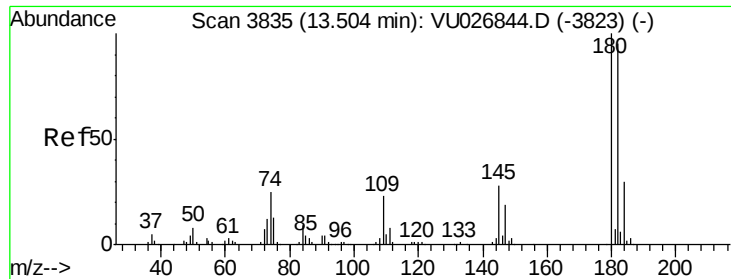


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

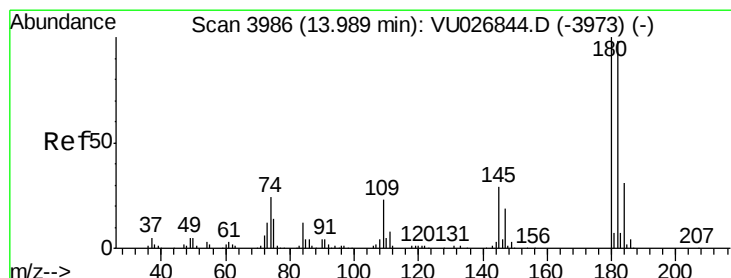
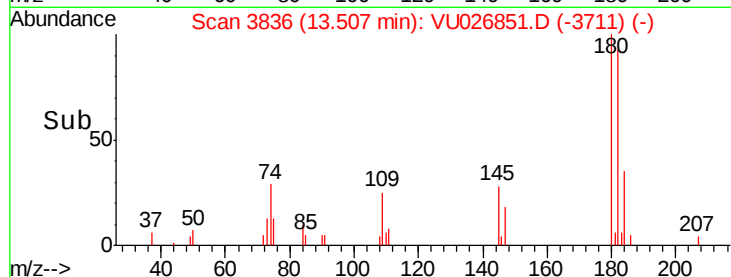
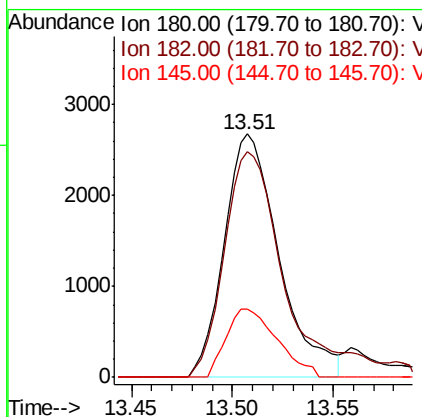
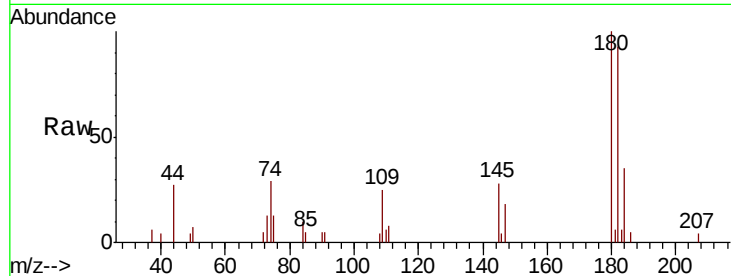




#68
 1,2,4-trichlorobenzene
 Concen: 2.681 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU026851.D
 Acq: 18 Sep 2018 10:59

Instrument :
 MSVOA_U
 ClientSampleId :
 C08P1

Tot Ion:180 Resp: 5087
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.8 115.2
 145 26.0 22.2 33.2



#70
 1,2,3-Trichlorobenzene
 Concen: 0.492 ug/L
 RT: 13.99 min Scan# 3987
 Delta R.T. 0.00 min
 Lab File: VU026851.D
 Acq: 18 Sep 2018 10:59

Tgt Ion:180 Resp: 1028
 Ion Ratio Lower Upper
 180 100
 182 96.3 75.6 113.4
 145 15.9 23.8 35.6#

