

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080918\
 Data File : VU026014.D
 Acq On : 09 Aug 2018 22:52
 Operator : MD/SY
 Sample : J4361-10DL 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZB7DL

Quant Time: Aug 10 07:54:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 10 07:39:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	296301	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	279382	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	126696	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	81187	37.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.96%
7) Chloroethane-d5	1.68	69	70331	40.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.92%
11) 1,1-Dichloroethene-d2	2.27	63	123268	29.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.90%#
21) 2-Butanone-d5	4.18	46	158496	87.80	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.80%
24) Chloroform-d	4.65	84	192907	42.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.00%
26) 1,2-Dichloroethane-d4	5.31	65	137244	44.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.48%
32) Benzene-d6	5.35	84	370634	42.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.44%
36) 1,2-Dichloropropane-d6	6.33	67	122283	43.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.12%
41) Toluene-d8	7.57	98	333438	40.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.34%
43) trans-1,3-Dichloropropene-	7.85	79	58181	41.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.28%
47) 2-Hexanone-d5	8.31	63	114525	89.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.82%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	175573	42.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.54%
64) 1,2-Dichlorobenzene-d4	11.86	152	139707	44.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.46%

Target Compounds

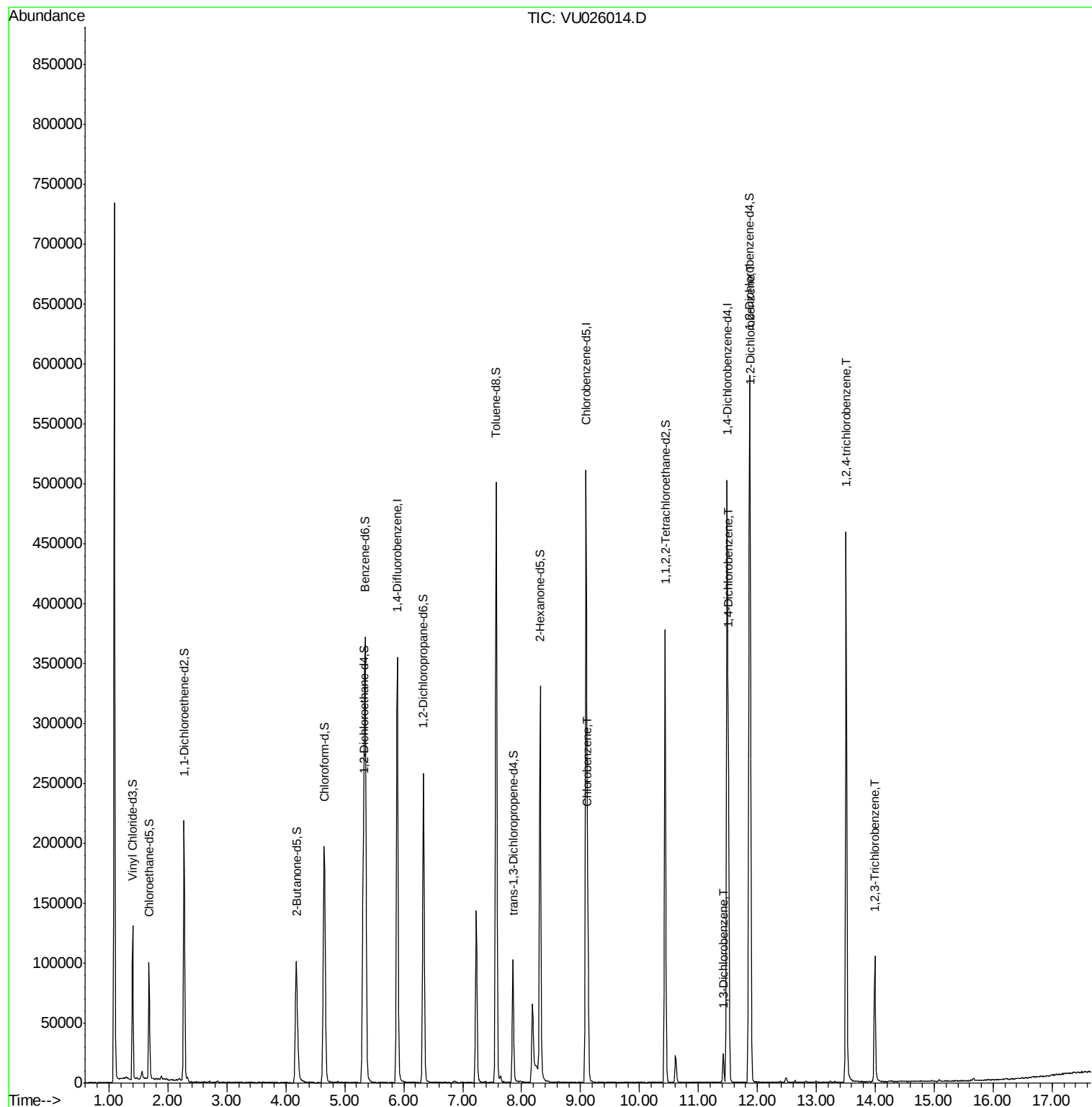
					Ovalue
51) Chlorobenzene	9.12	112	83246	14.62	ug/L 99
62) 1,3-Dichlorobenzene	11.42	146	10441	2.65	ug/L 97
63) 1,4-Dichlorobenzene	11.51	146	85950	20.79	ug/L 99
65) 1,2-Dichlorobenzene	11.88	146	120521	28.71	ug/L 97
68) 1,2,4-trichlorobenzene	13.51	180	143696	57.64	ug/L 99
70) 1,2,3-Trichlorobenzene	13.99	180	35580	13.28	ug/L 99

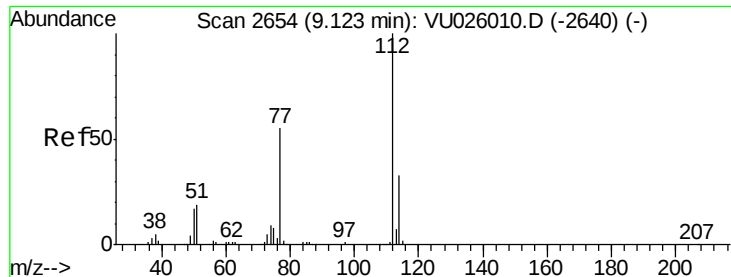
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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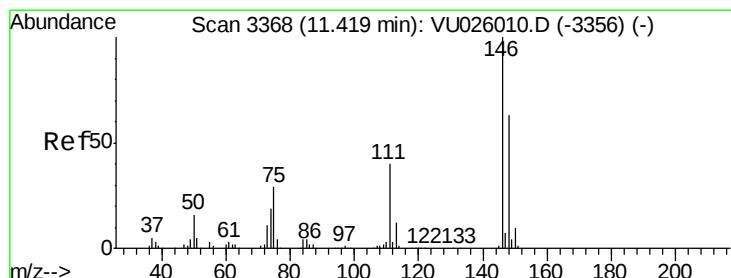
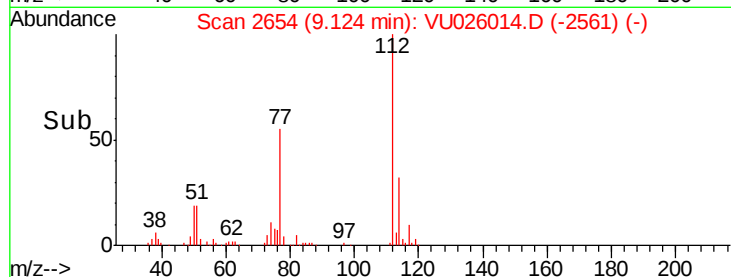
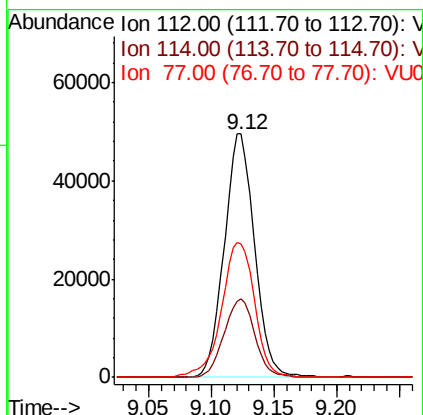
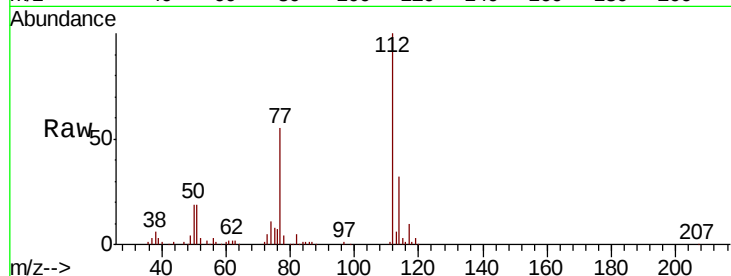




#51
Chlorobenzene
Concen: 14.62 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU026014.D
Acq: 09 Aug 2018 22:52

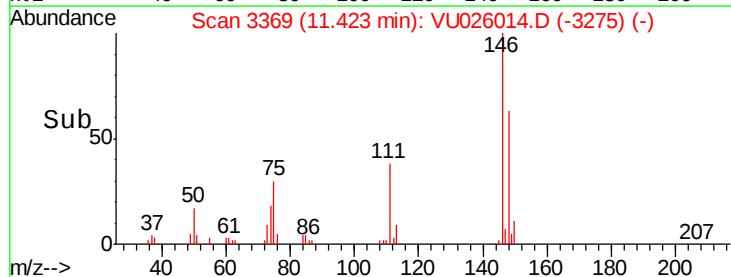
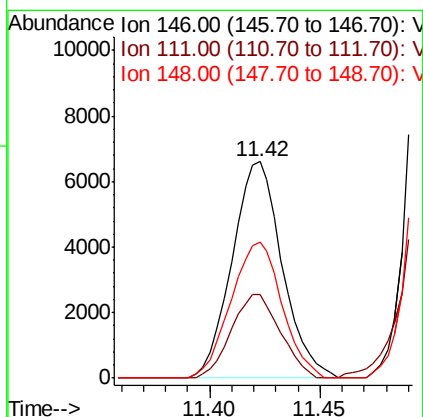
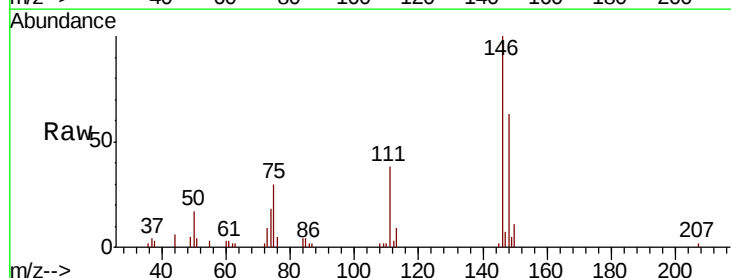
Instrument :
MSVOA_U
ClientSampleId :
A4ZB7DL

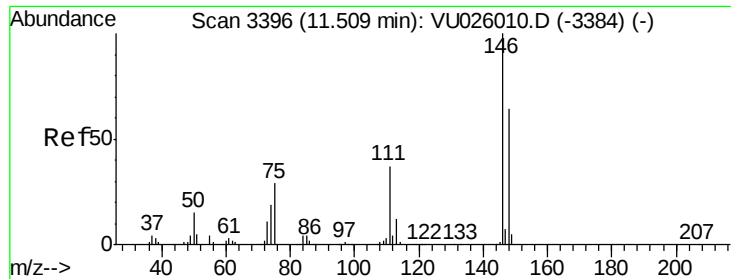
Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.7	42.3
77	55.1	45.2	67.8



#62
1,3-Dichlorobenzene
Concen: 2.65 ug/L
RT: 11.42 min Scan# 3369
Delta R.T. 0.00 min
Lab File: VU026014.D
Acq: 09 Aug 2018 22:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	27.9	51.9
148	63.0	46.0	85.4

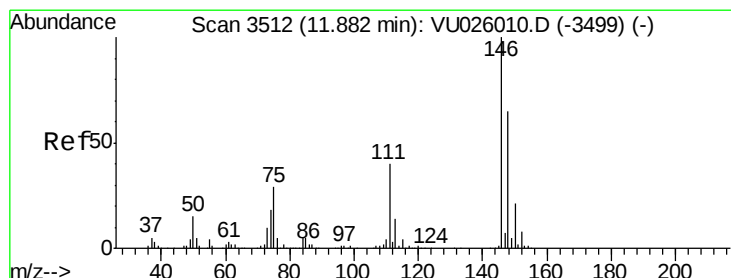
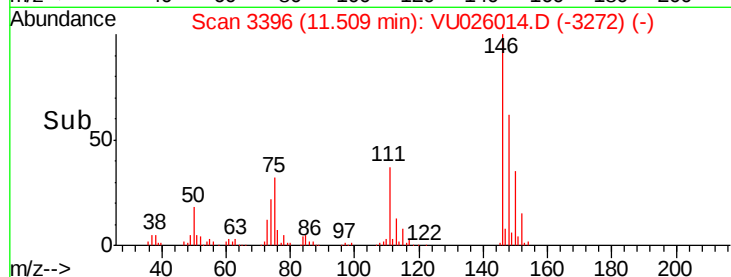
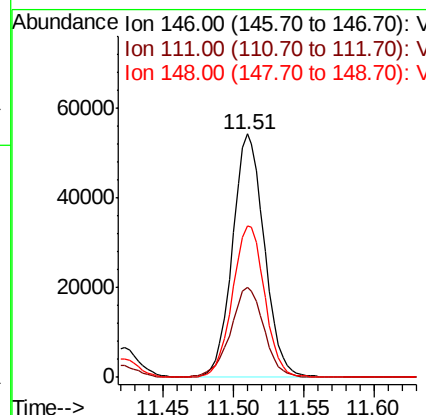
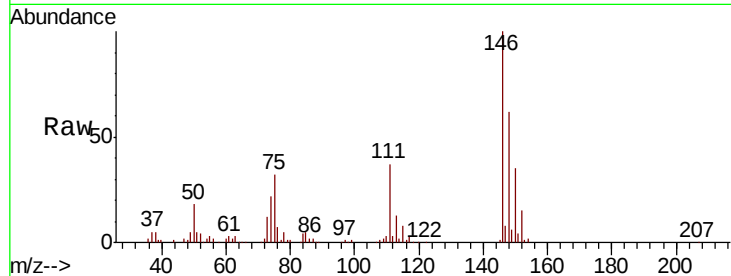




#63
 1,4-Dichlorobenzene
 Concen: 20.79 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU026014.D
 Acq: 09 Aug 2018 22:52

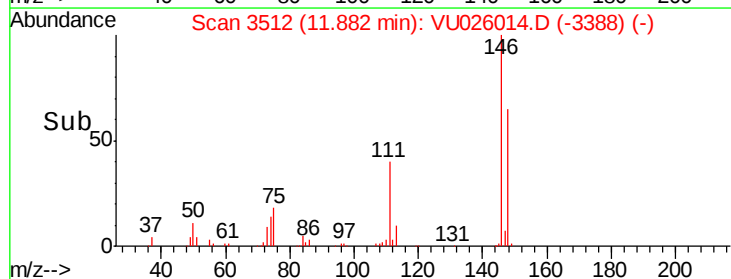
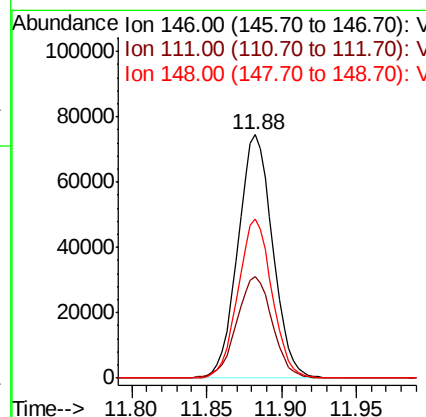
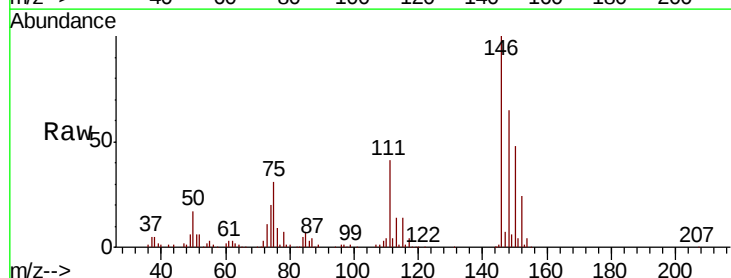
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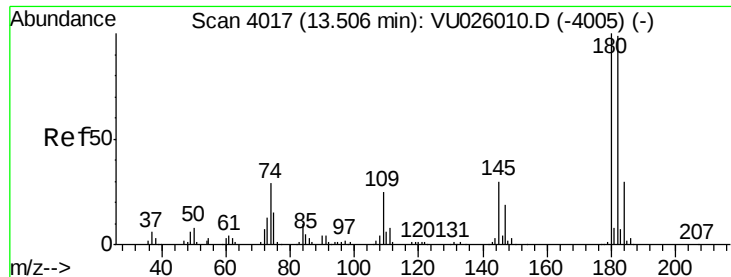
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	26.4	49.0
148	62.0	43.8	81.4



#65
 1,2-Dichlorobenzene
 Concen: 28.71 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU026014.D
 Acq: 09 Aug 2018 22:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	32.4	48.6
148	65.2	50.1	75.1





#68

1,2,4-trichlorobenzene

Concen: 57.64 ug/L

RT: 13.51 min Scan# 4017

Delta R.T. 0.00 min

Lab File: VU026014.D

Acq: 09 Aug 2018 22:52

Instrument :

MSVOA_U

ClientSampleId :

A4ZB7DL

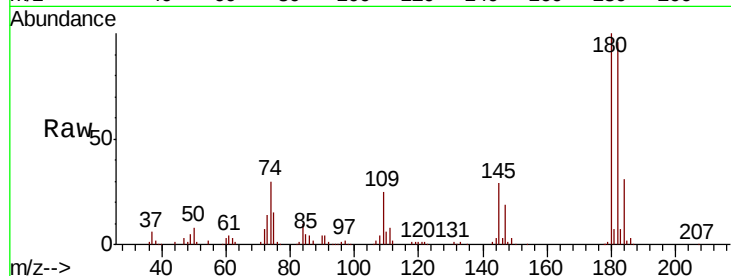
Tot Ion:180 Resp: 143696

Ion Ratio Lower Upper

180 100

182 95.5 76.5 114.7

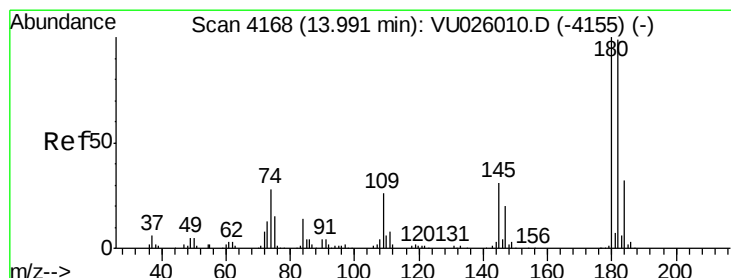
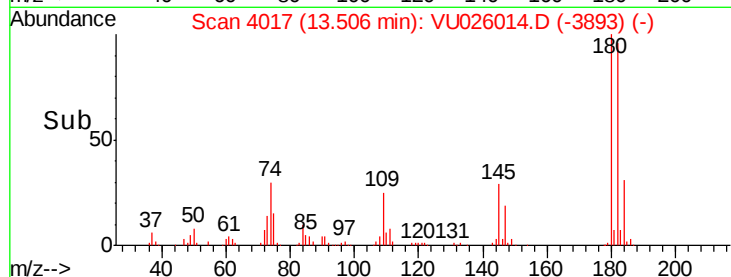
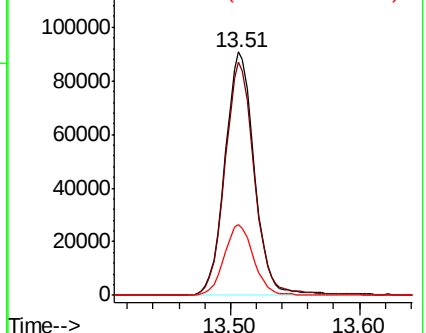
145 28.9 24.2 36.4



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: 13.28 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU026014.D

Acq: 09 Aug 2018 22:52

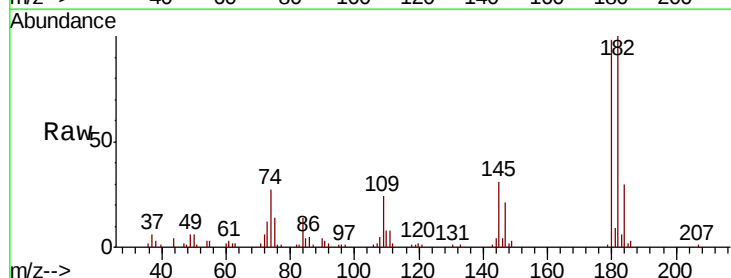
Tgt Ion:180 Resp: 35580

Ion Ratio Lower Upper

180 100

182 95.0 76.5 114.7

145 31.5 24.7 37.1



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

