

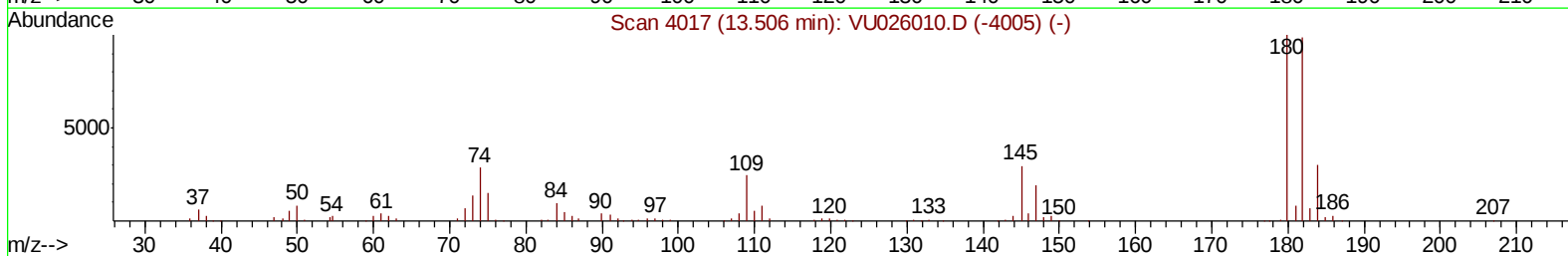
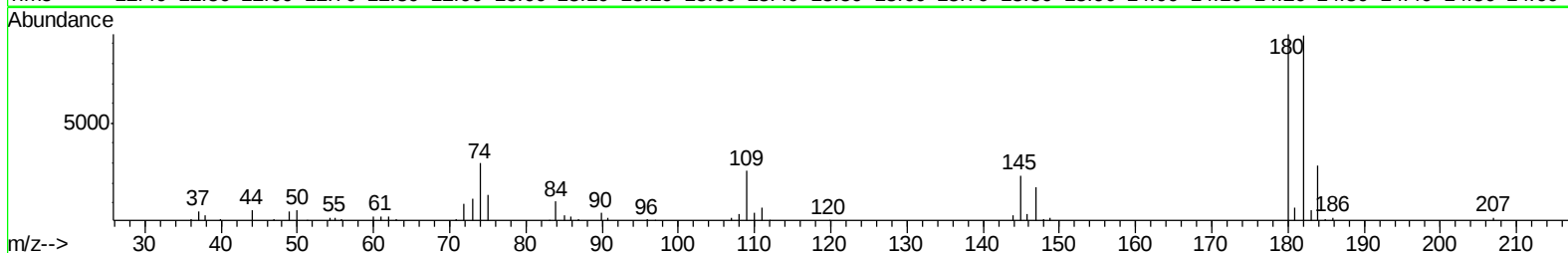
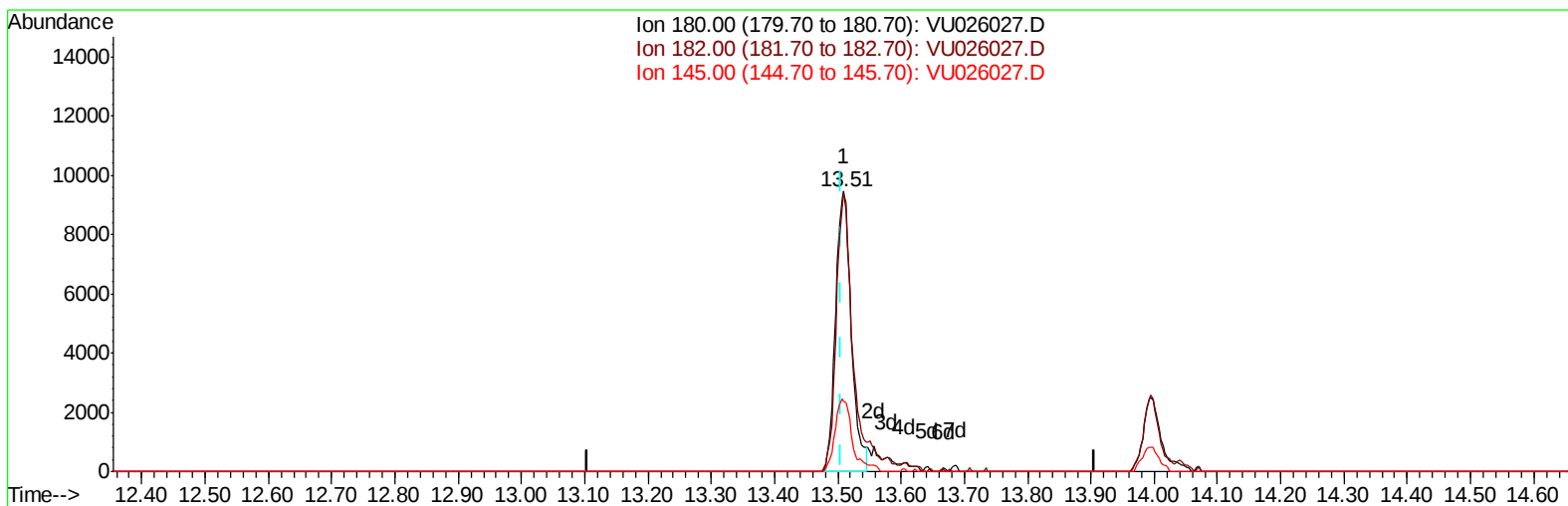
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080918\
Data File : VU026027.D
Acq On : 10 Aug 2018 04:08
Operator : MD/SY
Sample : J4401-13 10X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 52 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
A4ZF3

Manual Integrations
APPROVED

MMDadoda
8/10/2018 4:08:58 PM

Quant Time: Aug 10 07:44:03 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



TIC: VU026027.D

(68) 1,2,4-trichlorobenzene (T)

13.509min (+0.003) 7.13ug/L

response 16407

Ion	Exp%	Act%
180.00	100	100
182.00	95.60	99.54
145.00	30.30	25.93
0.00	0.00	0.00

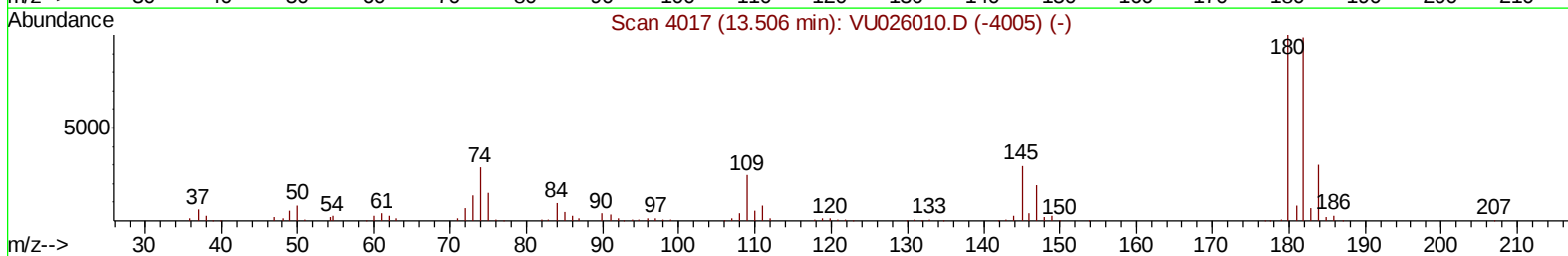
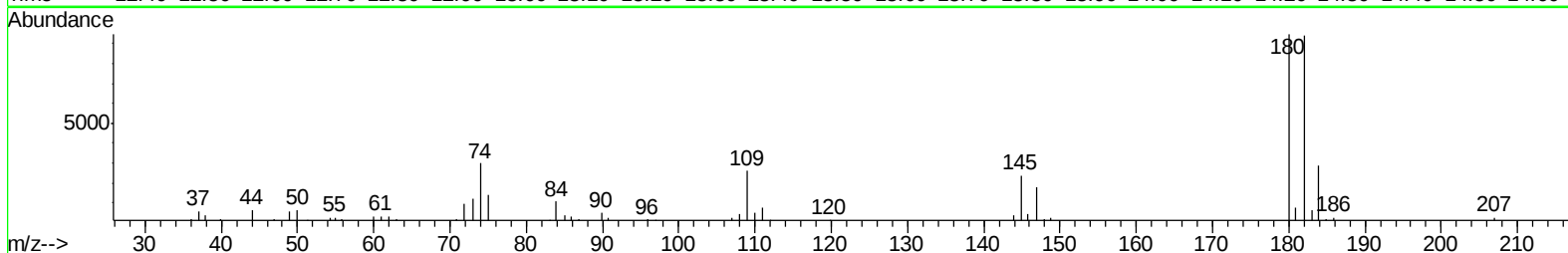
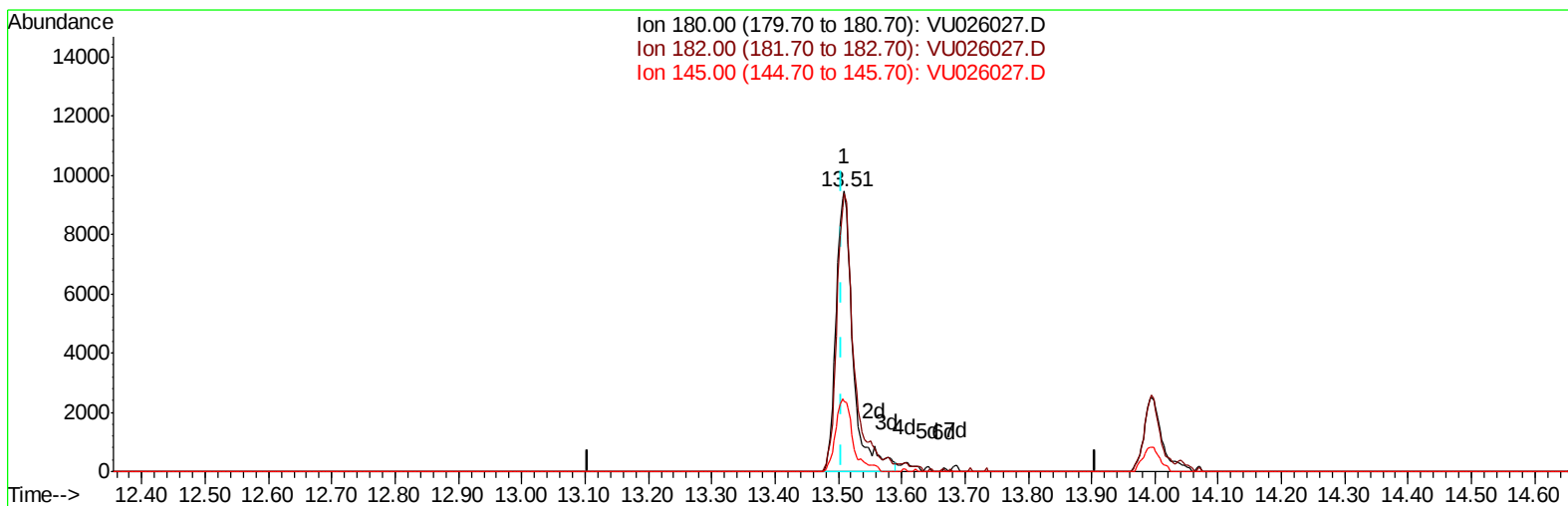
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TIC: VU026027.D

(68) 1,2,4-trichlorobenzene (T)

13.509min (+0.003) 7.73ug/L m

response 17802

Ion	Exp%	Act%
180.00	100	100
182.00	95.60	91.74
145.00	30.30	23.90#
0.00	0.00	0.00

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Quant Time: Aug 10 08:28:04 2018
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 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	290873	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	268384	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	117000	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	74635	35.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.20%
7) Chloroethane-d5	1.68	69	65827	39.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.10%
11) 1,1-Dichloroethene-d2	2.27	63	112842	27.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.86%#
21) 2-Butanone-d5	4.18	46	151833	85.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.68%
24) Chloroform-d	4.65	84	184403	40.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.80%
26) 1,2-Dichloroethane-d4	5.31	65	132361	43.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.92%
32) Benzene-d6	5.35	84	357179	42.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.72%
36) 1,2-Dichloropropane-d6	6.33	67	120159	44.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.12%
41) Toluene-d8	7.57	98	320467	40.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.38%
43) trans-1,3-Dichloropropene-	7.85	79	53861	39.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.28%
47) 2-Hexanone-d5	8.31	63	104476	85.30	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.30%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	168149	42.64	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.28%
64) 1,2-Dichlorobenzene-d4	11.86	152	129907	45.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.08%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	7821	7.105	ug/L	93
51) Chlorobenzene	9.12	112	24623	4.501	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	13630	3.570	ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	13410	3.459	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	17802m	7.733	ug/L	
70) 1,2,3-Trichlorobenzene	13.99	180	4948	2.000	ug/L	97

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

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