

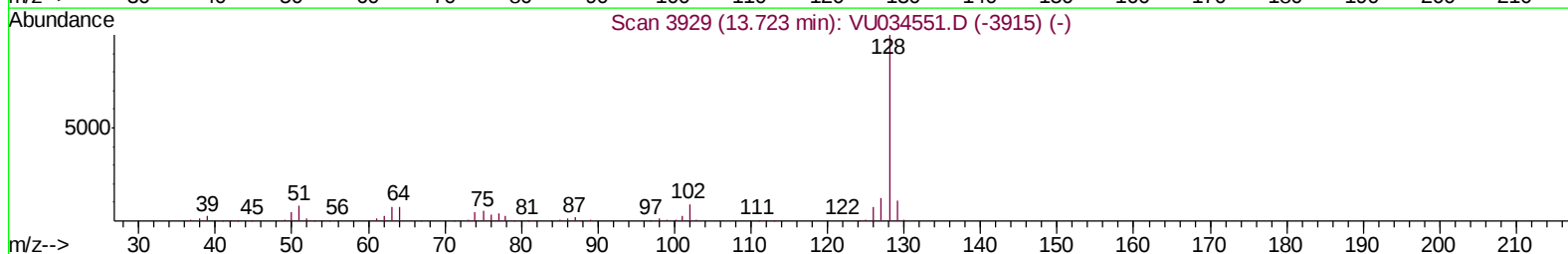
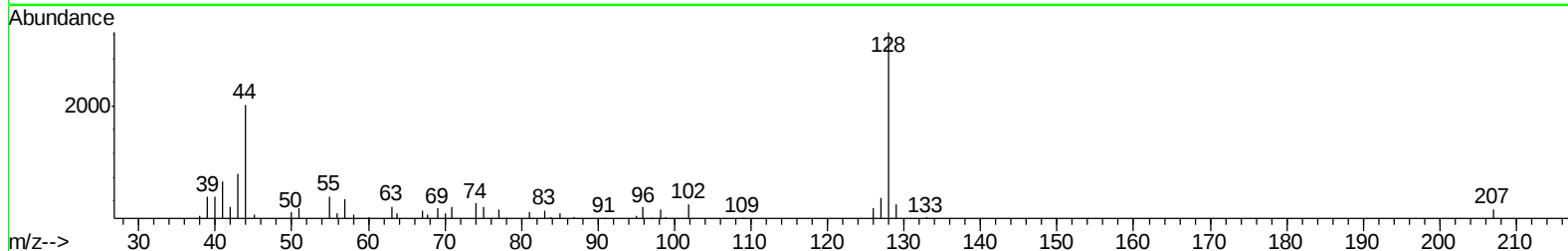
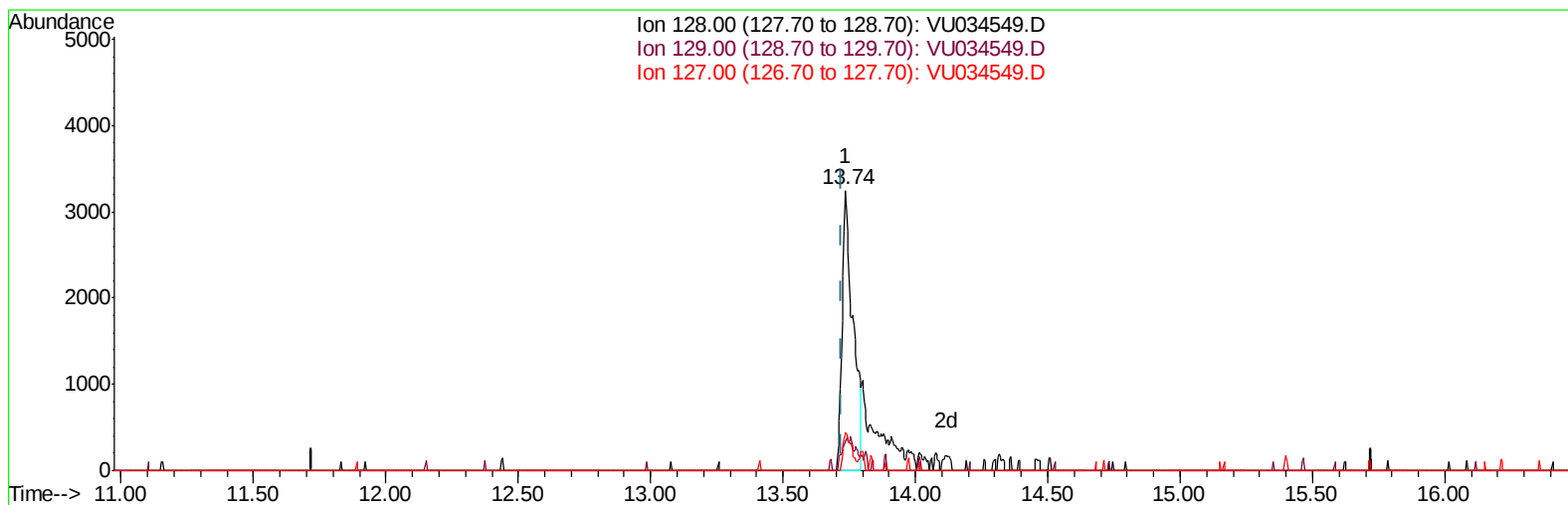
Data File : VU034549.D
Acq On : 15 Sep 2019 07:36
Operator : JC/SP
Sample : VSTD0.502
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

Manual Integrations
APPROVED

MMDadoda
9/18/2019 1:59:03 PM

Quant Time: Sep 16 02:06:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Sep 16 02:04:15 2019
Response via : Initial Calibration



TIC: VU034549.D

(69) Naphthalene

13.736min (+0.013) 0.42ug/L

response 9130

Ion	Exp%	Act%
128.00	100	100
129.00	11.00	7.46#
127.00	12.60	10.61
0.00	0.00	0.00

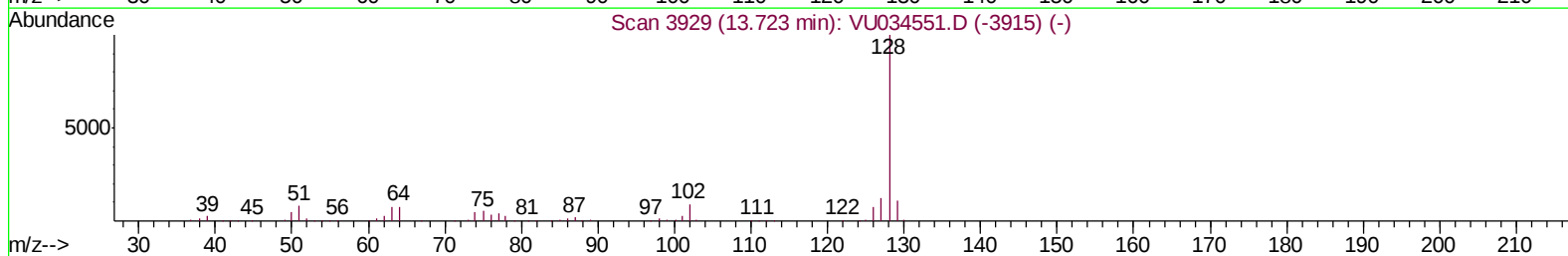
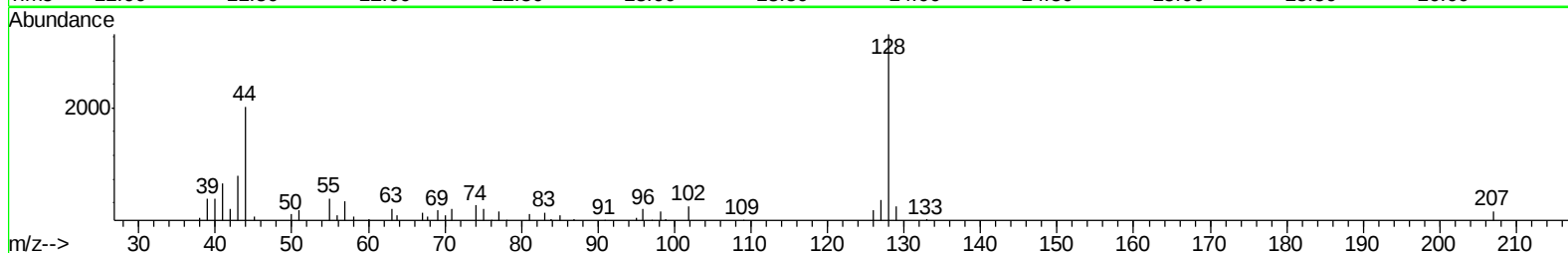
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TIC: VU034549.D

(69) Naphthalene

13.736min (+0.013) 0.47ug/L m

response 10290

Ion	Exp%	Act%
128.00	100	100
129.00	11.00	6.62#
127.00	12.60	9.42#
0.00	0.00	0.00

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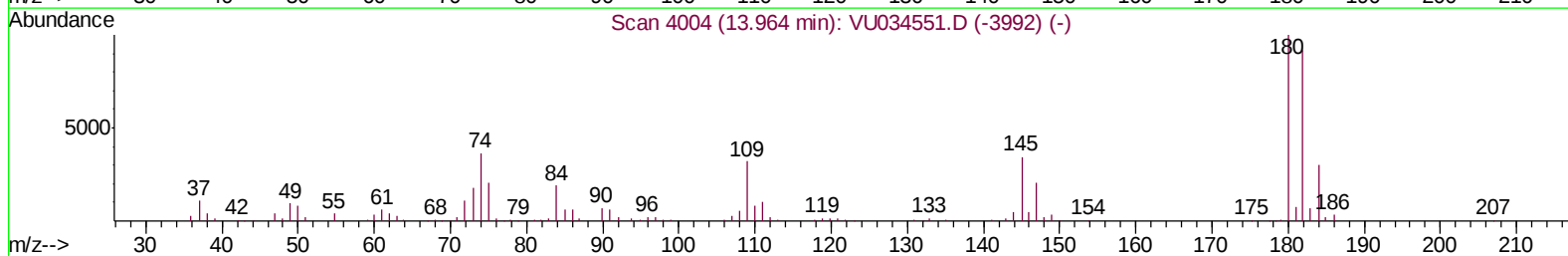
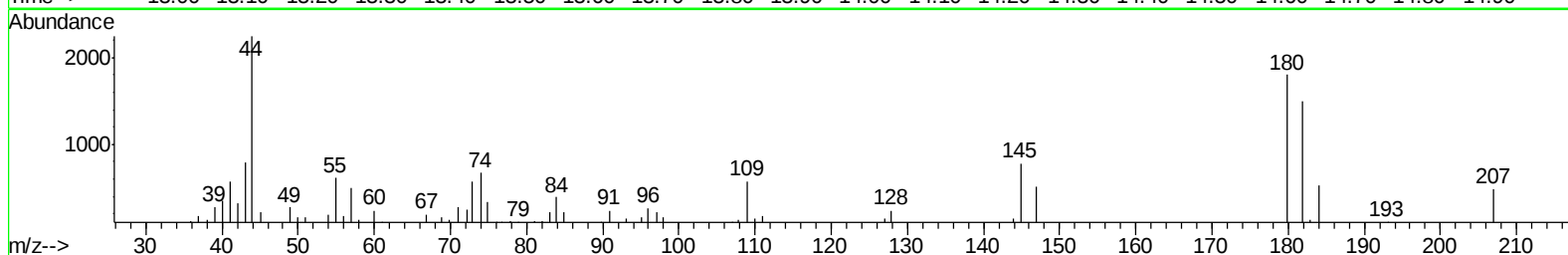
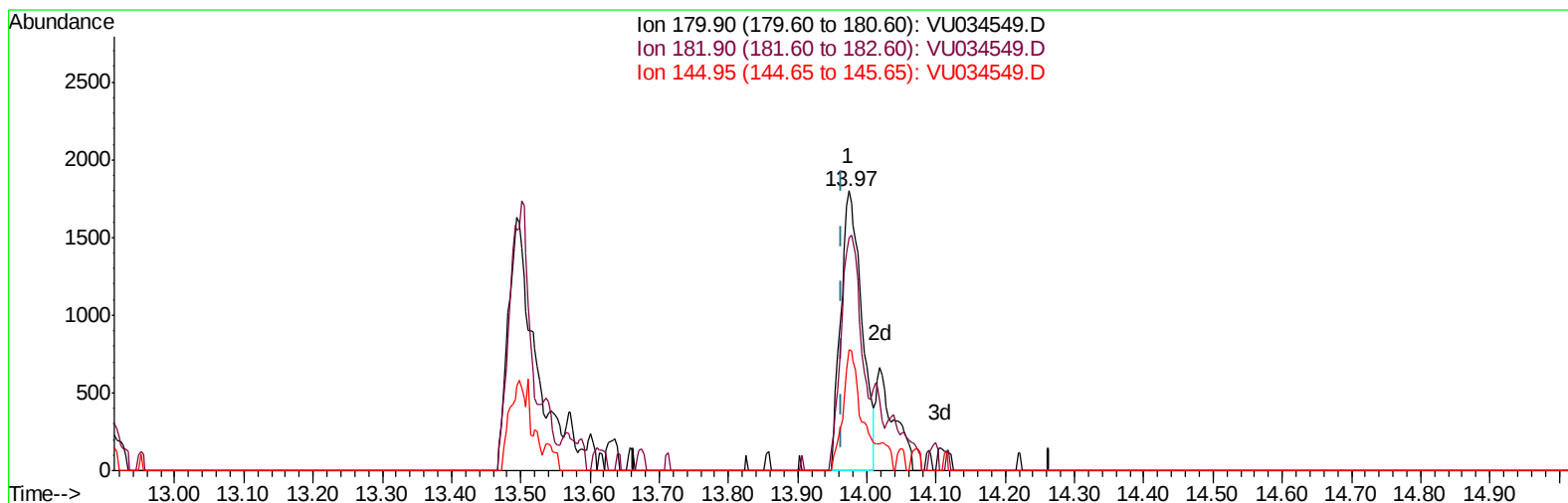
Quant Time: Sep 16 02:06:47 2019

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Quant Title : TRACE VOA SOM01.0

QLast Update : Mon Sep 16 02:04:15 2019

Response via : Initial Calibration



TIC: VU034549.D

(70) 1,2,3-Trichlorobenzene (T)

13.974min (+0.010) 0.30ug/L

response 3820

Ion	Exp%	Act%
179.90	100	100
181.90	91.00	84.21
144.95	34.00	39.79
0.00	0.00	0.00

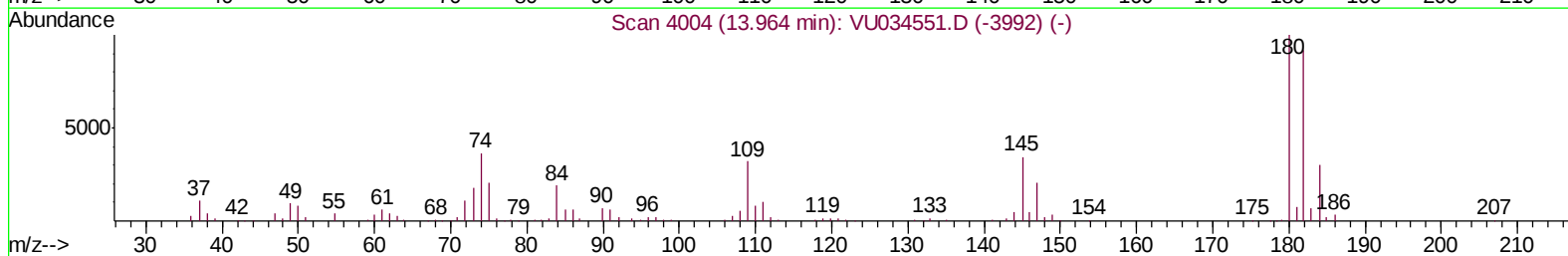
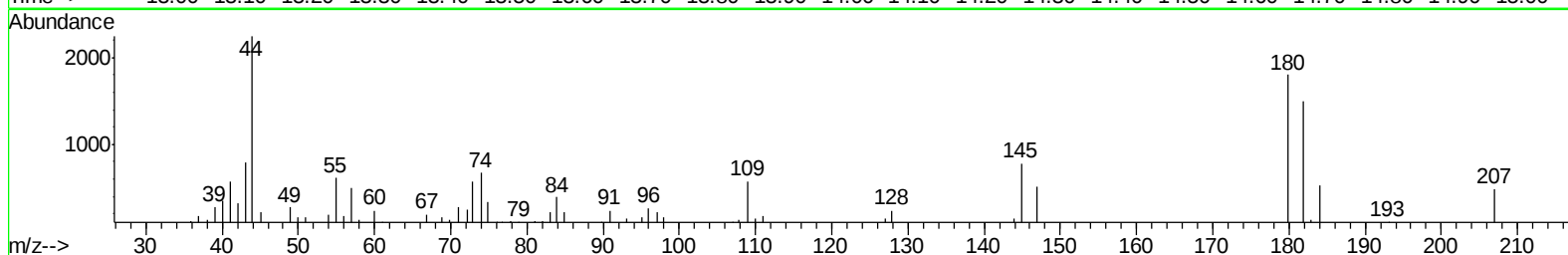
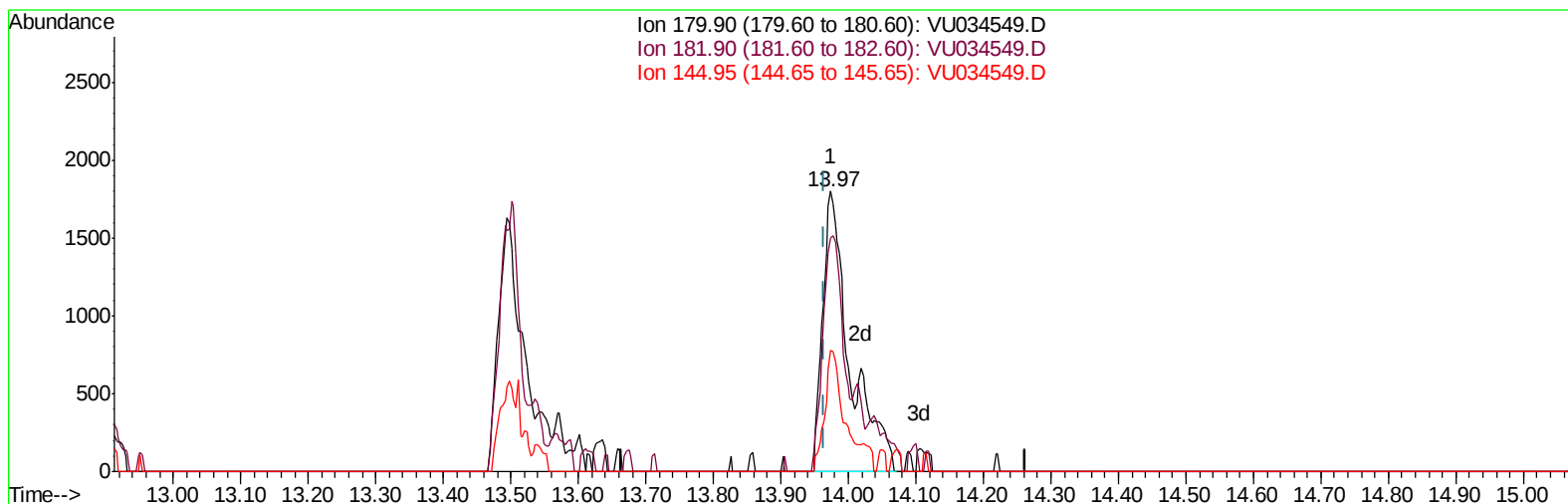
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TIC: VU034549.D

(70) 1,2,3-Trichlorobenzene (T)

13.974min (+0.010) 0.40ug/L m

response 5016

Ion	Exp%	Act%
179.90	100	100
181.90	91.00	64.13#
144.95	34.00	30.30
0.00	0.00	0.00

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	166075	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	156486	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	72292	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	7046	0.51	ug/L	0.00
7) Chloroethane-d5	1.68	69	5170	0.45	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	11306	0.43	ug/L	0.00
20) 2-Butanone-d5	4.17	46	22905m	6.56	ug/L	0.00
24) Chloroform-d	4.62	84	11454	0.47	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	7375	0.57	ug/L	0.00
32) Benzene-d6	5.32	84	21584	0.50	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	7872	0.56	ug/L	0.00
41) Toluene-d8	7.55	98	20820	0.55	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	3738m	0.69	ug/L	0.00
46) 2-Hexanone-d5	8.30	63	19833	8.82	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	7897	0.68	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	6703	0.50	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	6115	0.358 ug/L	99
3) Chloromethane	1.32	50	6251	0.355 ug/L	99
5) Vinyl chloride	1.40	62	5968	0.328 ug/L	99
6) Bromomethane	1.62	94	3035	0.355 ug/L	94
8) Chloroethane	1.69	64	3258	0.285 ug/L #	70
9) Trichlorofluoromethane	1.88	101	7841	0.383 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	4732	0.411 ug/L	95
12) 1,1-Dichloroethene	2.27	96	4024	0.350 ug/L	86
13) Acetone	2.31	43	15983	6.102 ug/L	98
14) Carbon disulfide	2.47	76	9637	0.243 ug/L #	84
15) Methyl Acetate	2.60	43	5061	0.720 ug/L #	78
16) Methylene chloride	2.68	84	5817	0.416 ug/L	88
17) Methyl tert-butyl Ether	2.98	73	15049	0.474 ug/L #	90
18) trans-1,2-Dichloroethene	2.96	96	4285	0.341 ug/L	88
19) 1,1-Dichloroethane	3.42	63	10332	0.405 ug/L #	93
21) 2-Butanone	4.26	43	21111	5.503 ug/L	94
22) cis-1,2-Dichloroethene	4.20	96	6087	0.447 ug/L #	80
23) Bromochloromethane	4.53	128	2657	0.436 ug/L #	87
25) Chloroform	4.65	83	11763	0.441 ug/L	93
27) 1,2-Dichloroethane	5.39	62	6355	0.405 ug/L #	76
29) 1,1,1-Trichloroethane	4.89	97	8504	0.465 ug/L	94
30) Cyclohexane	4.97	56	8176	0.464 ug/L #	85
31) Carbon tetrachloride	5.11	117	6477	0.407 ug/L	98
33) Benzene	5.37	78	20618	0.434 ug/L	100
34) Trichloroethene	6.17	95	4919	0.400 ug/L #	85
35) Methylcyclohexane	6.39	83	9273	0.533 ug/L	92
37) 1,2-Dichloropropane	6.41	63	5973	0.452 ug/L #	96
38) Bromodichloromethane	6.74	83	7654	0.471 ug/L	96
39) cis-1,3-Dichloropropene	7.25	75	8533	0.478 ug/L	89
40) 4-Methyl-2-pentanone	7.45	43	59886	7.236 ug/L	98

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Manual Integrations
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MMDadoda
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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	21674	0.453	ug/L	95
44) trans-1,3-Dichloropropene	7.87	75	8199	0.566	ug/L	97
45) 1,1,2-Trichloroethane	8.05	97	4824	0.539	ug/L	96
47) Tetrachloroethene	8.21	164	3157	0.341	ug/L	94
48) 2-Hexanone	8.35	43	38784	6.757	ug/L	95
49) Dibromochloromethane	8.46	129	5502	0.516	ug/L	89
50) 1,2-Dibromoethane	8.57	107	4935	0.581	ug/L #	92
51) Chlorobenzene	9.10	112	13558	0.428	ug/L	97
52) Ethylbenzene	9.23	91	23755	0.465	ug/L	98
53) m,p-Xylene	9.36	106	8975	0.473	ug/L	99
54) o-Xylene	9.76	106	9273	0.512	ug/L	93
55) Styrene	9.78	104	15361	0.494	ug/L	99
56) Isopropylbenzene	10.15	105	24253	0.506	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	7210	0.603	ug/L	93
59) 1,2,3-Trichloropropane	10.48	75	5441m	0.642	ug/L	
61) Bromoform	9.94	173	3201	0.587	ug/L #	90
62) 1,3-Dichlorobenzene	11.40	146	11025	0.492	ug/L	96
63) 1,4-Dichlorobenzene	11.49	146	10283	0.443	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	10325	0.477	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	1179	0.668	ug/L #	84
67) 1,3,5-Trichlorobenzene	12.87	180	6262	0.364	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	4284m	0.328	ug/L	
69) Naphthalene	13.74	128	10290m	0.472	ug/L	
70) 1,2,3-Trichlorobenzene	13.97	180	5016m	0.400	ug/L	

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

Data File : VU034549.D

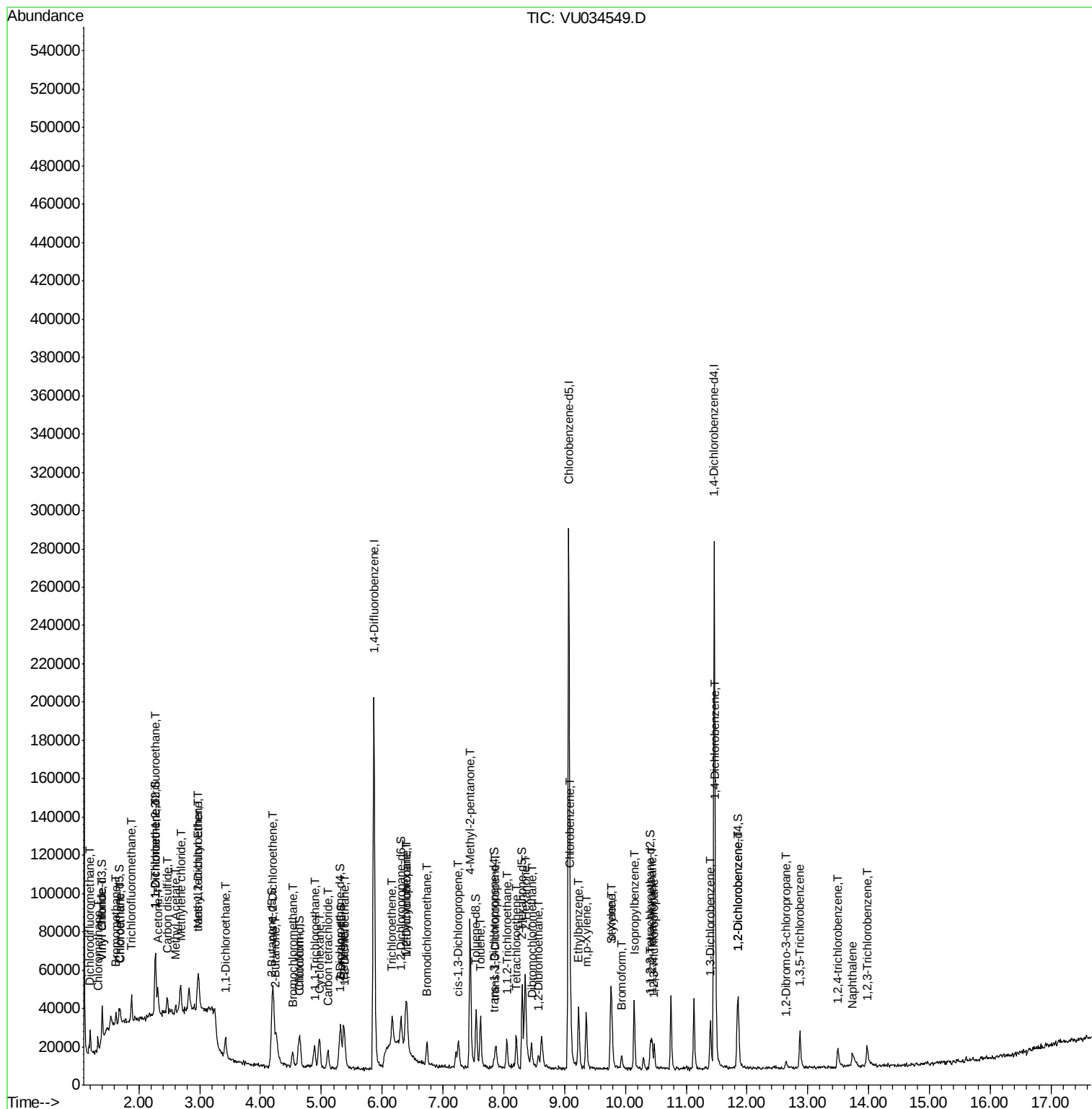
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Operator     : JC/SP
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ALS Vial     : 2      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

Manual Integrations
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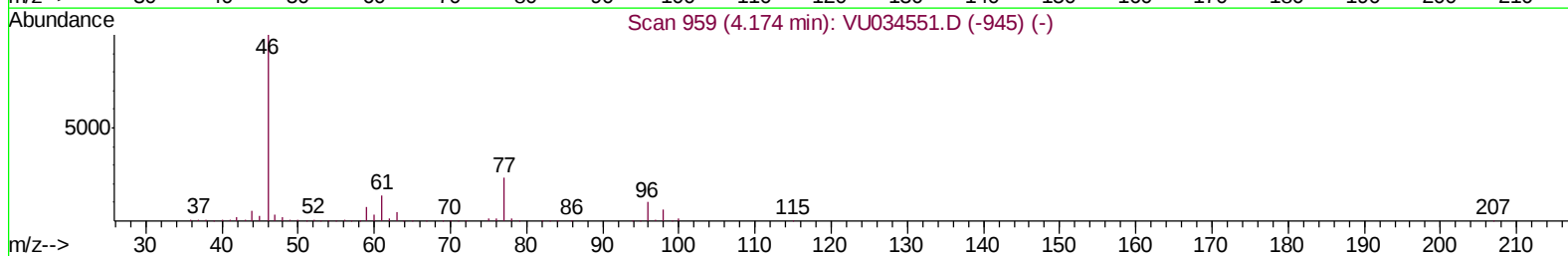
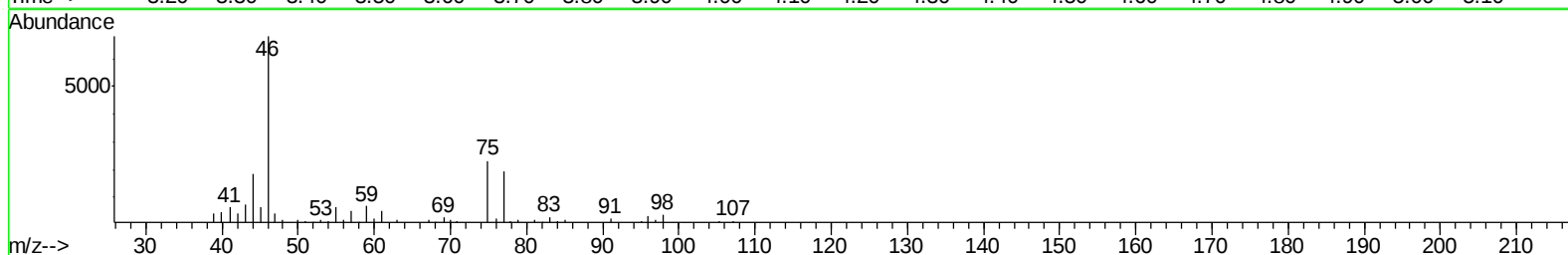
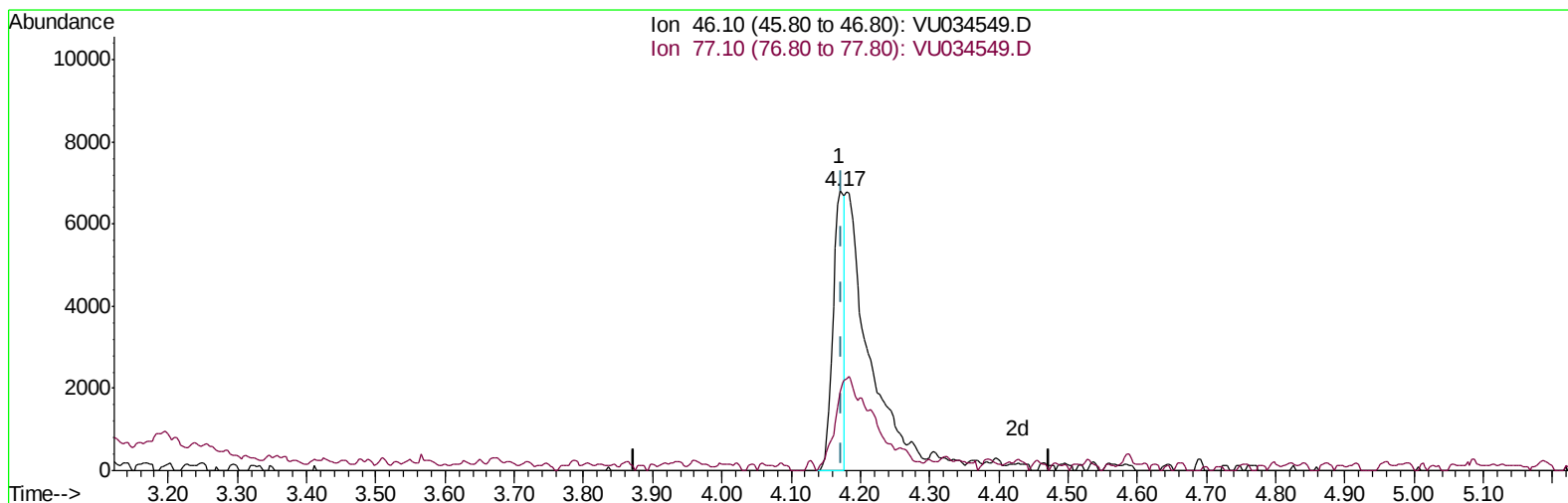
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TIC: VU034549.D

(20) 2-Butanone-d5 (S)
4.170min (-0.003) 2.28ug/L
response 7970

Ion	Exp%	Act%
46.10	100	100
77.10	24.00	105.12#
0.00	0.00	0.00
0.00	0.00	0.00

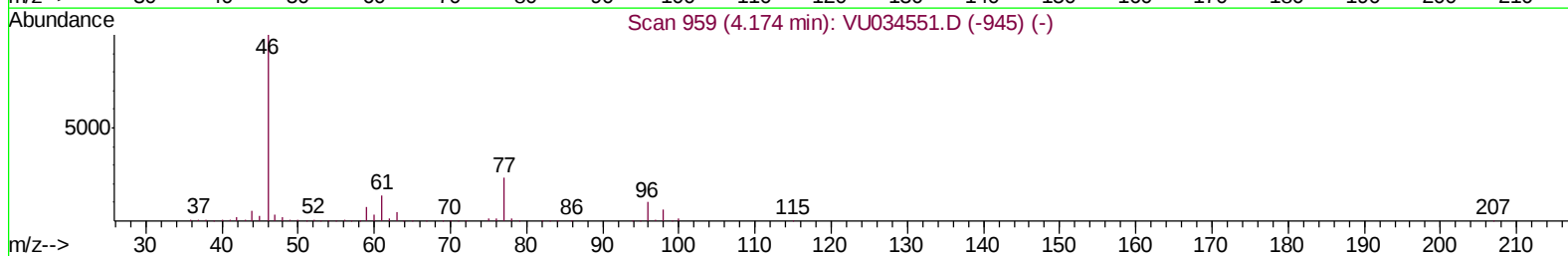
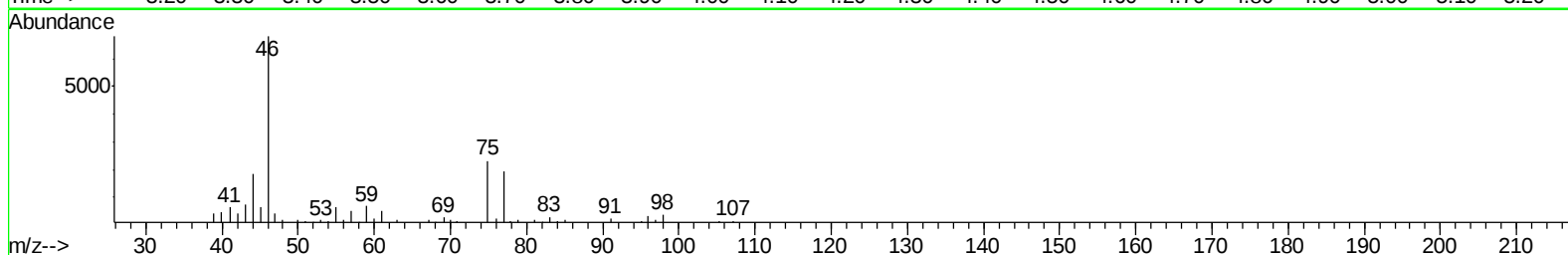
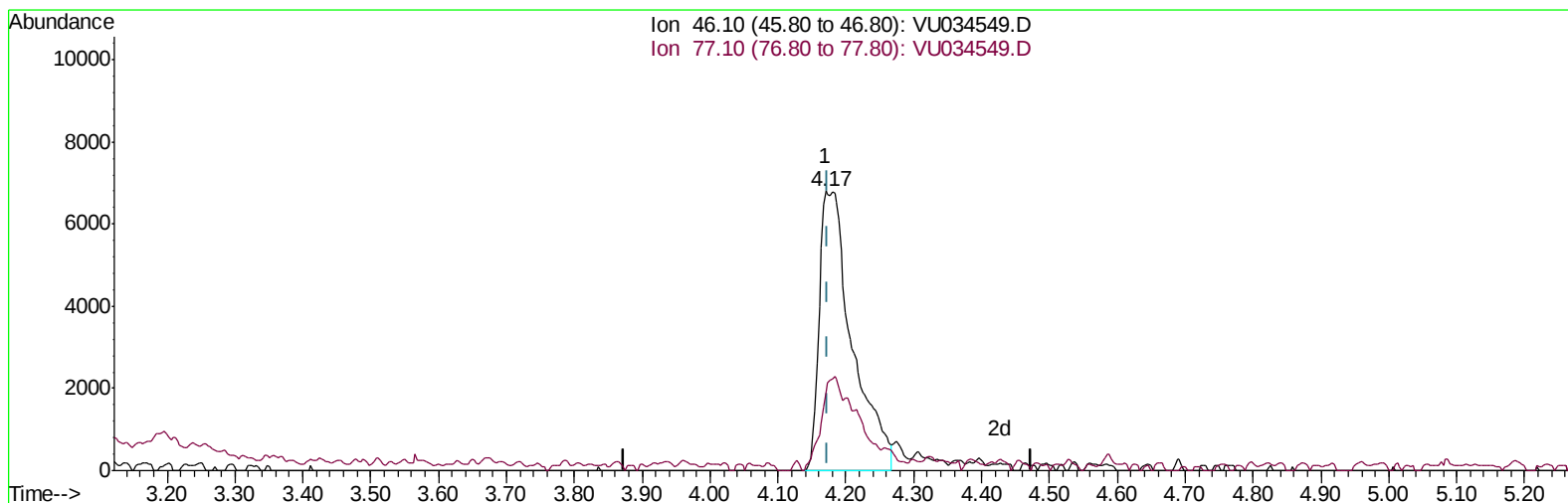
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TIC: VU034549.D

(20) 2-Butanone-d5 (S)

4.170min (-0.003) 6.56ug/L m

response 22905

Ion	Exp%	Act%
46.10	100	100
77.10	24.00	36.58#
0.00	0.00	0.00
0.00	0.00	0.00

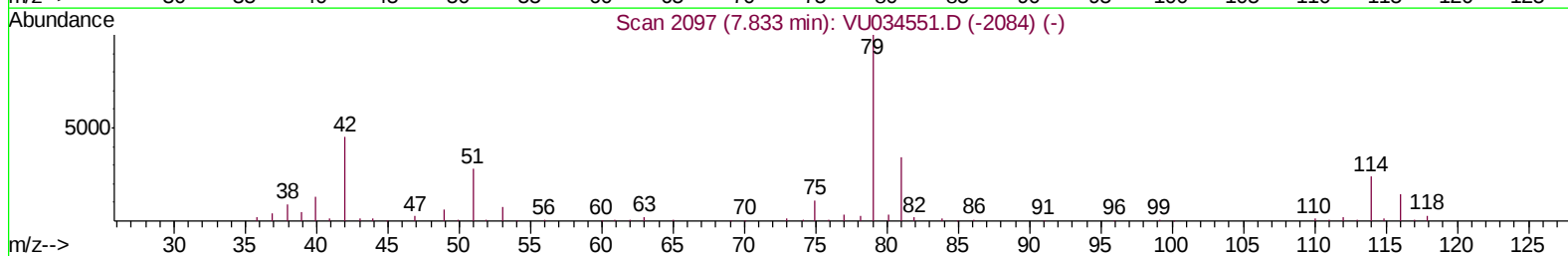
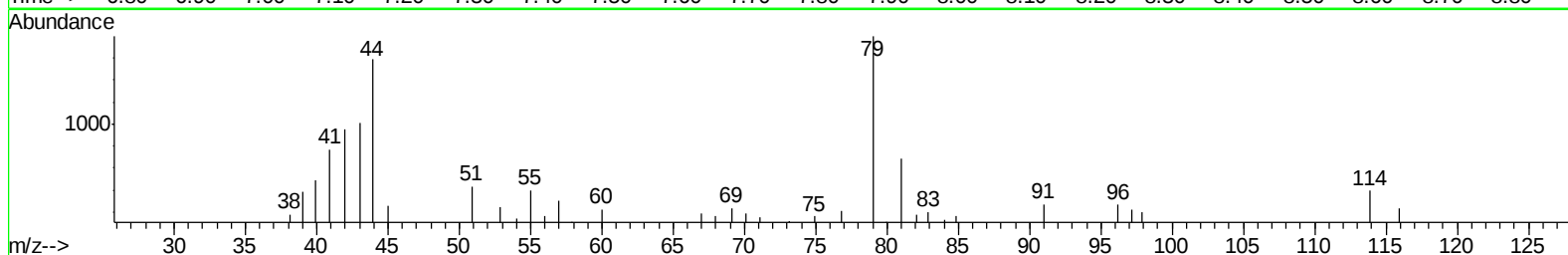
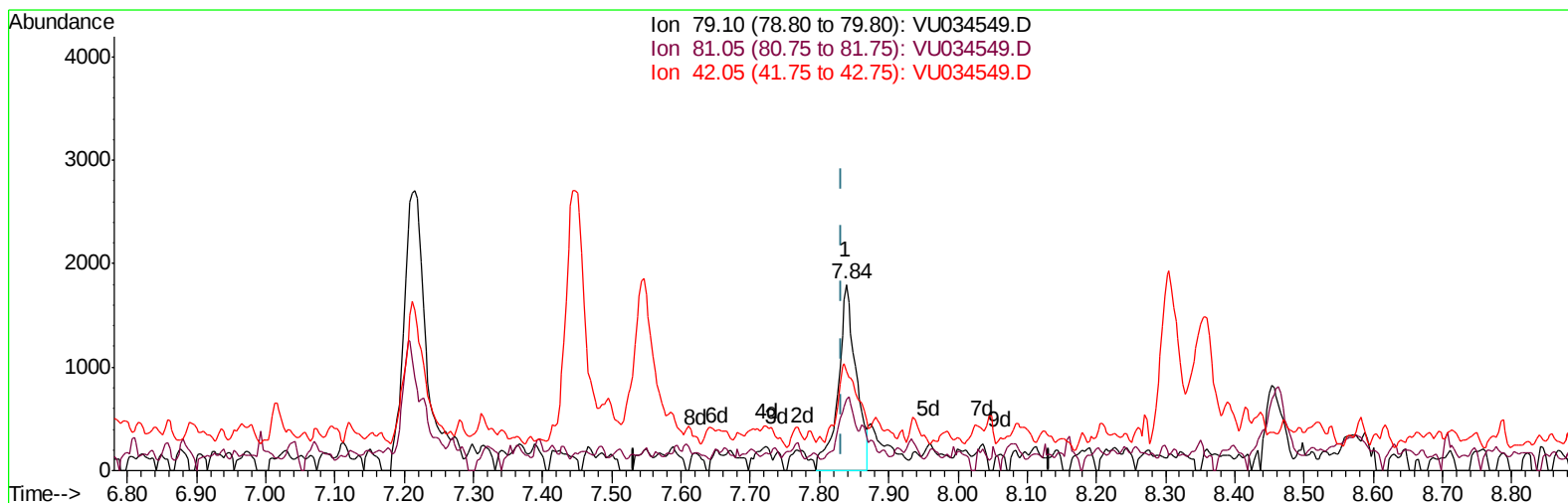
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TIC: VU034549.D

(43) trans-1,3-Dichloropropene-d4 (S)

7.839min (+0.006) 0.60ug/L

response 3265

Ion	Exp%	Act%
79.10	100	100
81.05	33.40	30.47
42.05	43.40	47.90
0.00	0.00	0.00

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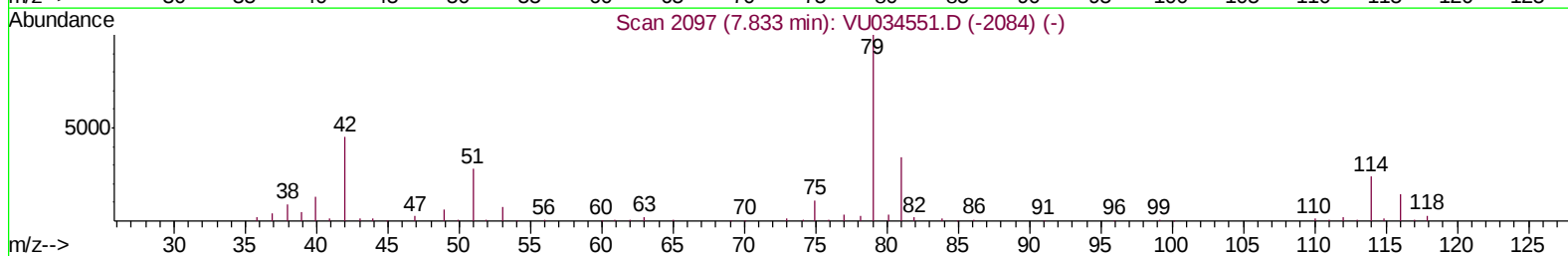
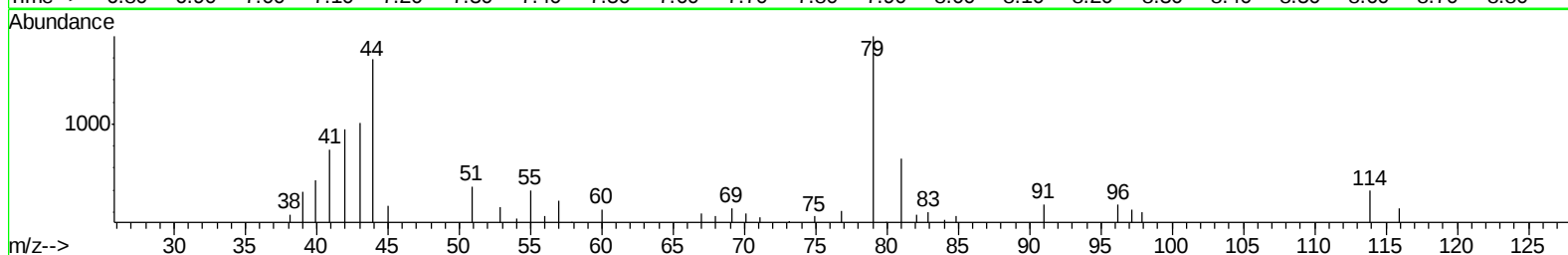
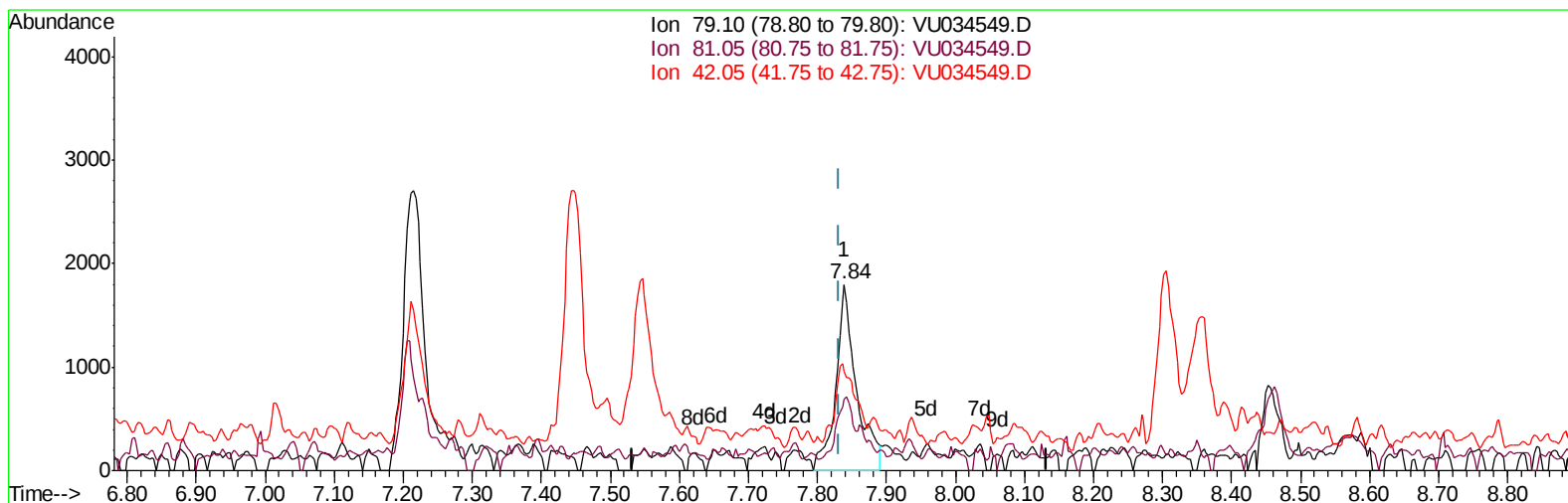
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TIC: VU034549.D

(43) trans-1,3-Dichloropropene-d4 (S)

7.839min (+0.006) 0.69ug/L m

response 3738

Ion	Exp%	Act%
79.10	100	100
81.05	33.40	26.62
42.05	43.40	41.84
0.00	0.00	0.00

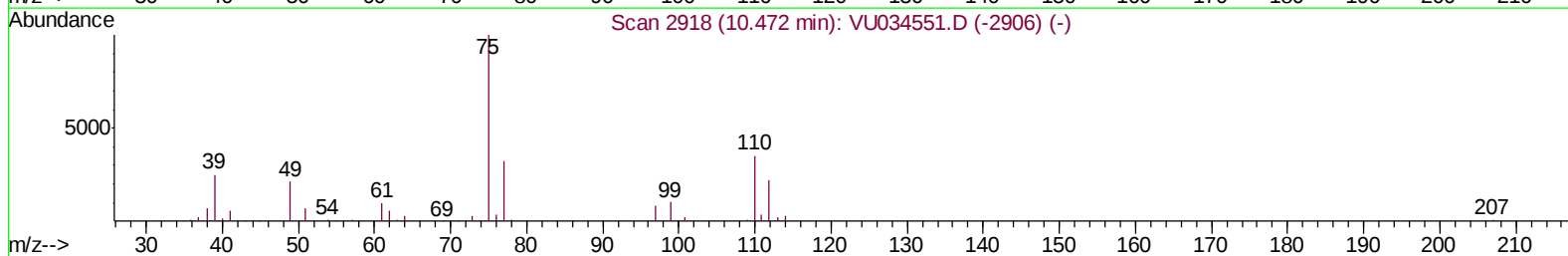
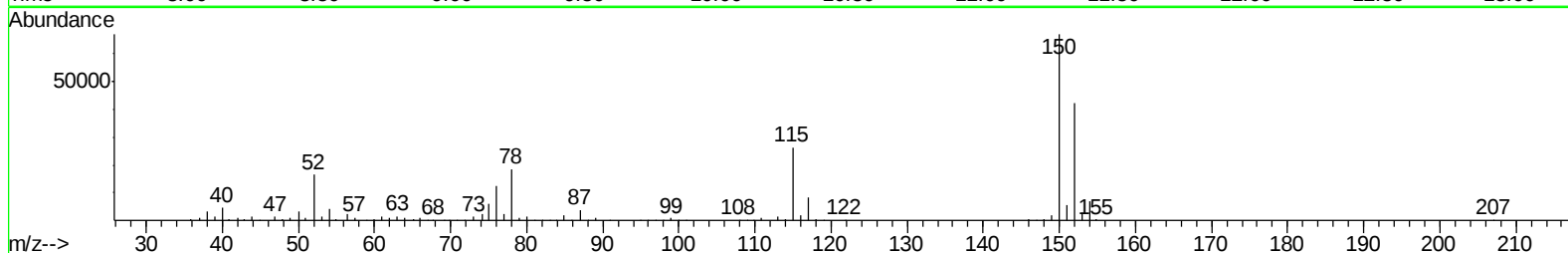
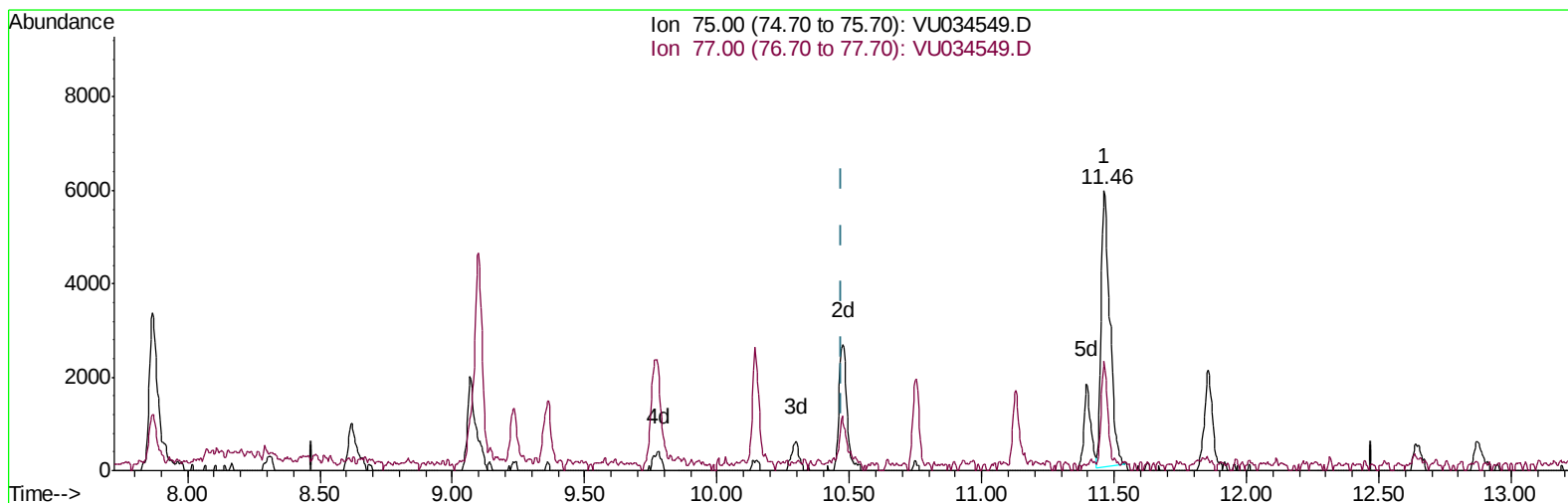
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TIC: VU034549.D

(59) 1,2,3-Trichloropropane
11.463min (+0.990) 1.62ug/L

response 13703

Ion	Exp%	Act%
75.00	100	100
77.00	34.10	27.75
0.00	0.00	0.00
0.00	0.00	0.00

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Manual Integrations
APPROVED

MMDadoda
9/18/2019 1:59:03 PM

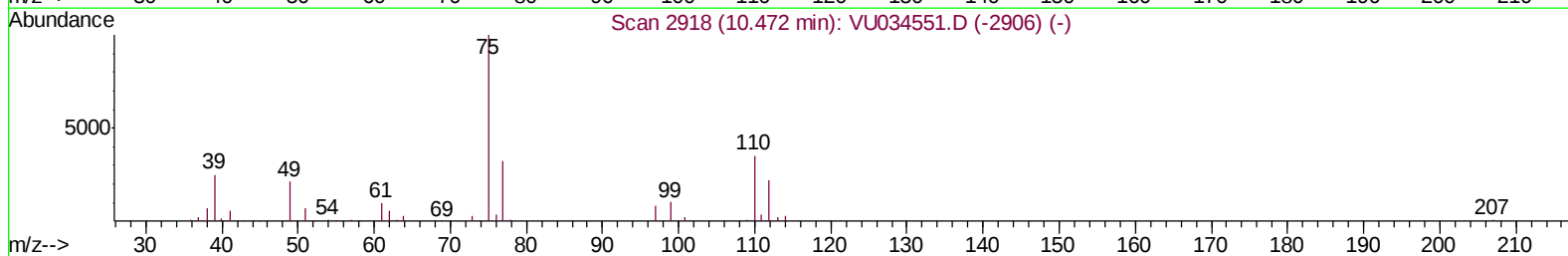
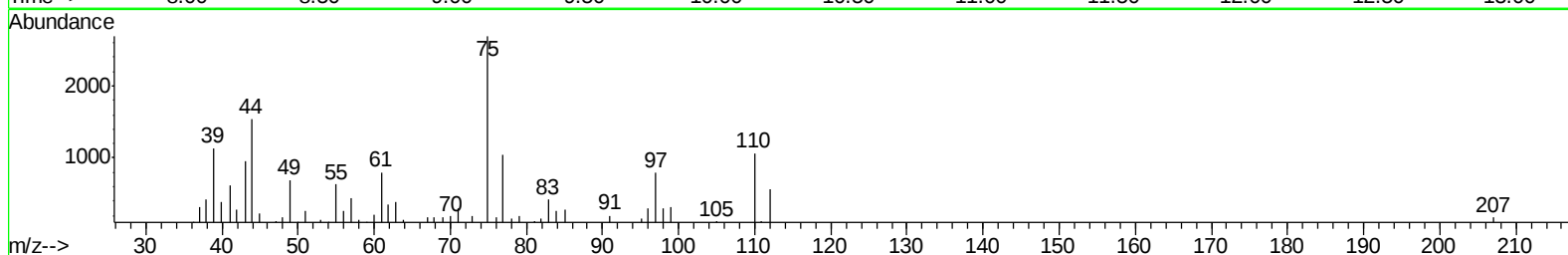
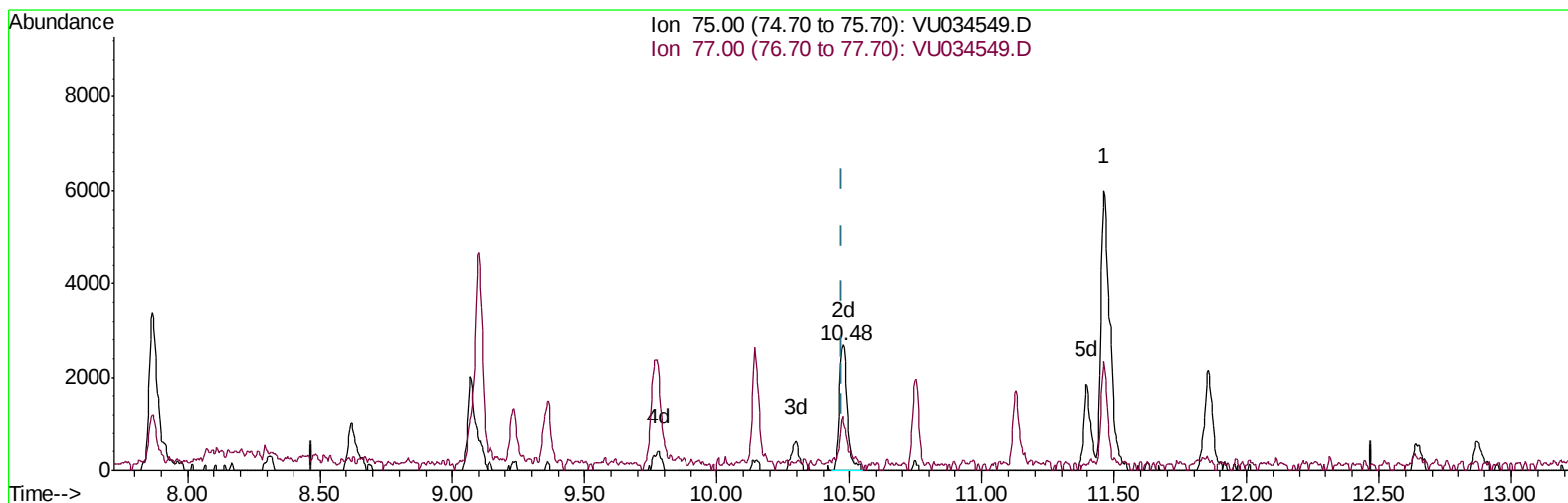
Quant Time: Sep 16 02:06:47 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091519WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Mon Sep 16 02:04:15 2019

Response via : Initial Calibration



TIC: VU034549.D

(59) 1,2,3-Trichloropropane

10.476min (+0.003) 0.64ug/L m

response 5441

Ion	Exp%	Act%
75.00	100	100
77.00	34.10	69.90#
0.00	0.00	0.00
0.00	0.00	0.00

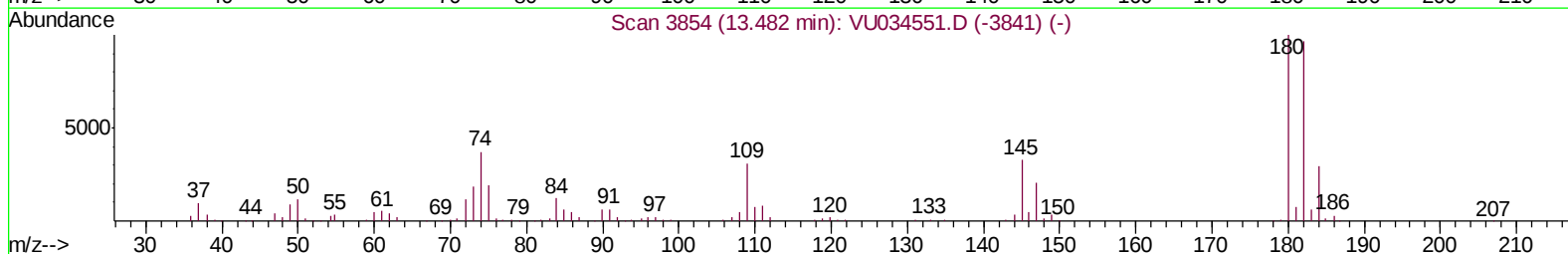
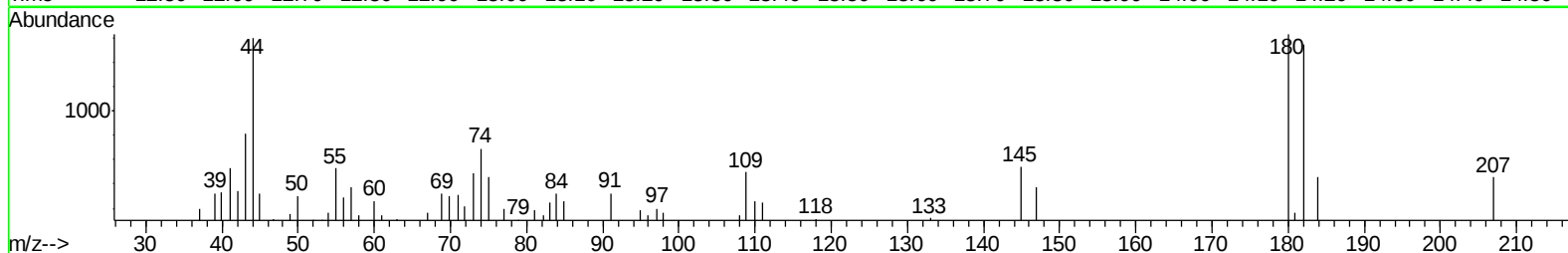
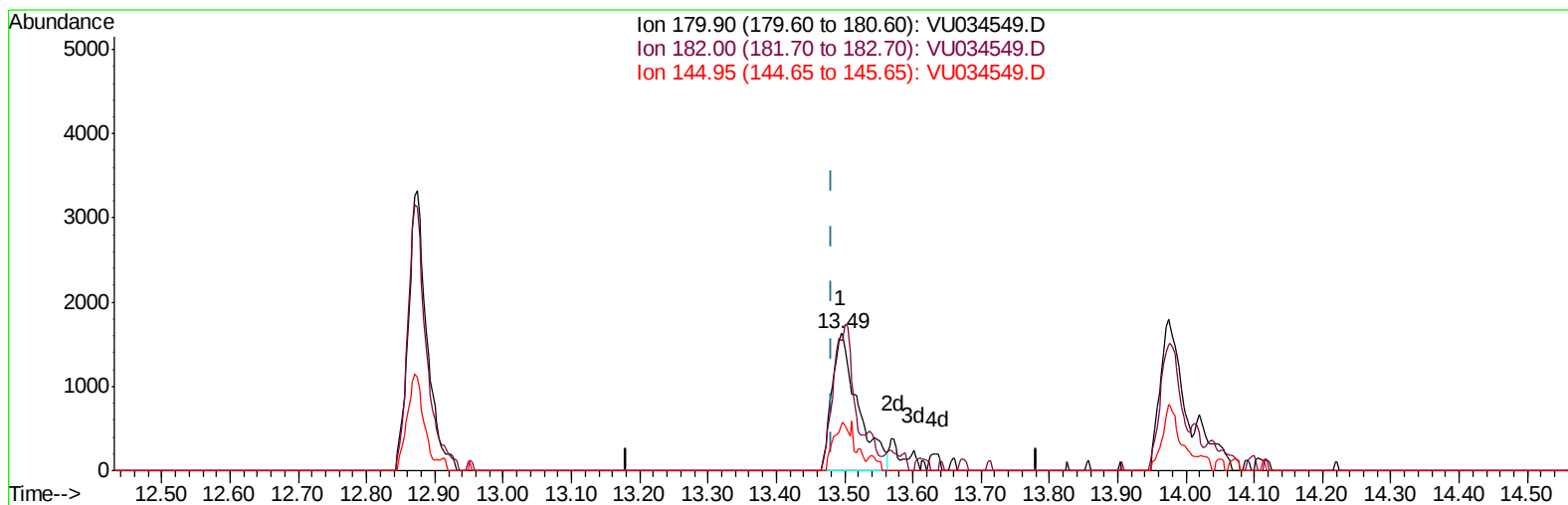
Data File : VU034549.D
Acq On : 15 Sep 2019 07:36
Operator : JC/SP
Sample : VSTD0.502
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

Manual Integrations
APPROVED

MMDadoda
9/18/2019 1:59:03 PM

Quant Time: Sep 16 02:06:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Sep 16 02:04:15 2019
Response via : Initial Calibration



TIC: VU034549.D

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

13.495min (+0.013) 0.33ug/L m

response 4284

Ion	Exp%	Act%
179.90	100	100
182.00	95.10	84.64
144.95	33.80	25.40#
0.00	0.00	0.00

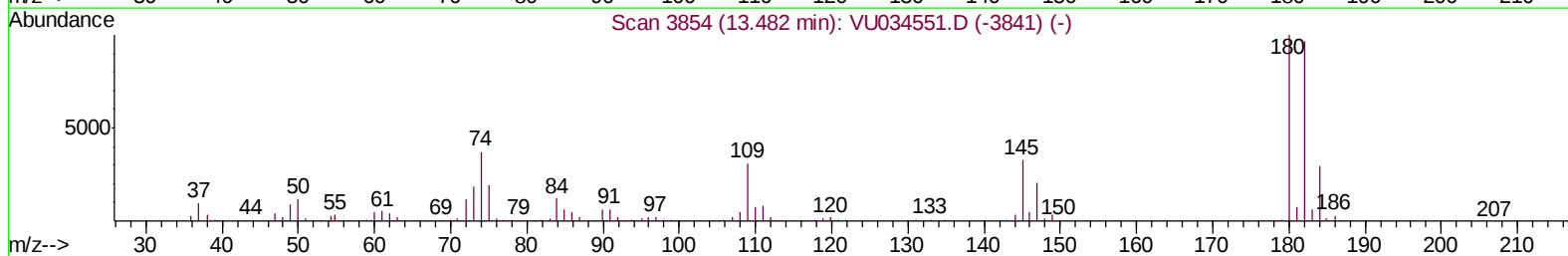
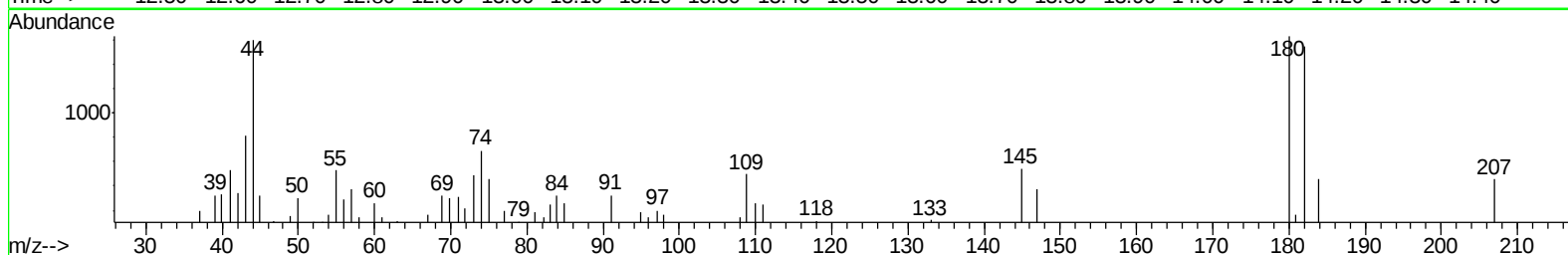
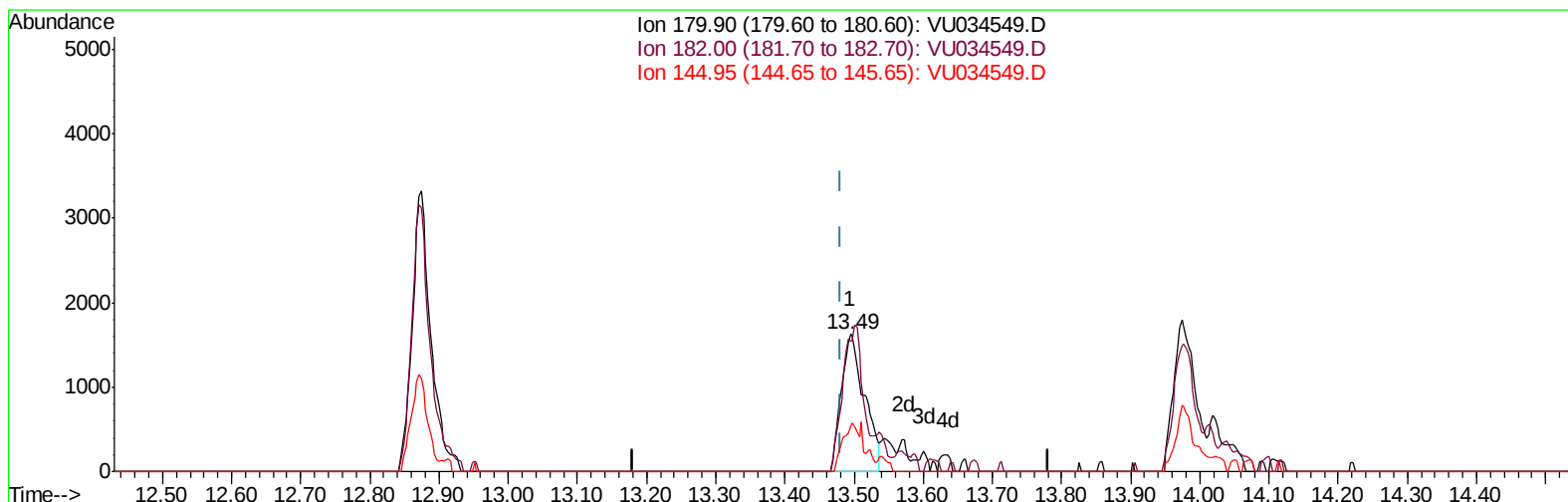
Data File : VU034549.D
Acq On : 15 Sep 2019 07:36
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Instrument :
MSVOA_U
ClientSampleId :
VSTD0.502

Manual Integrations
APPROVED

MMDadoda
9/18/2019 1:59:03 PM

Quant Time: Sep 16 02:06:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Sep 16 02:04:15 2019
Response via : Initial Calibration



TIC: VU034549.D

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

13.495min (+0.013) 0.29ug/L

response 3791

Ion	Exp%	Act%
179.90	100	100
182.00	95.10	95.65
144.95	33.80	28.70
0.00	0.00	0.00