

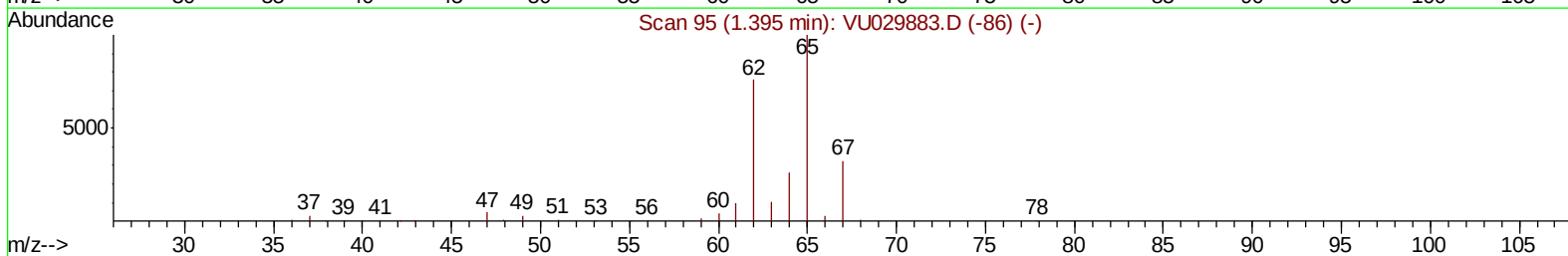
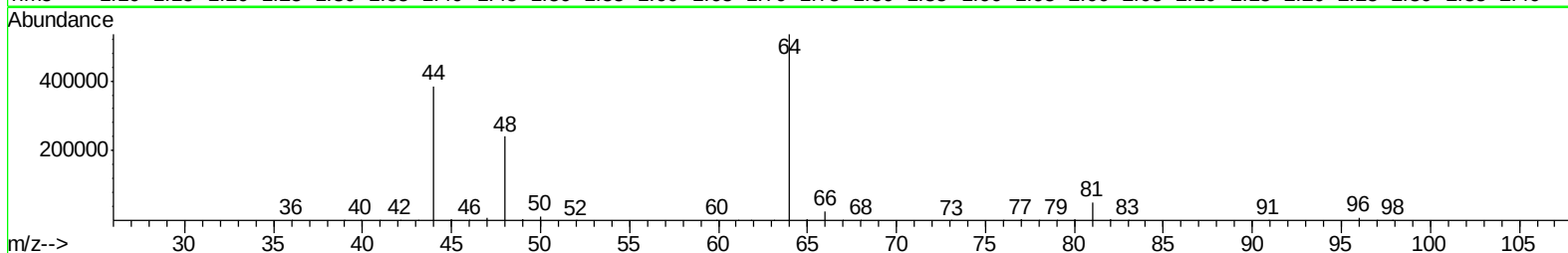
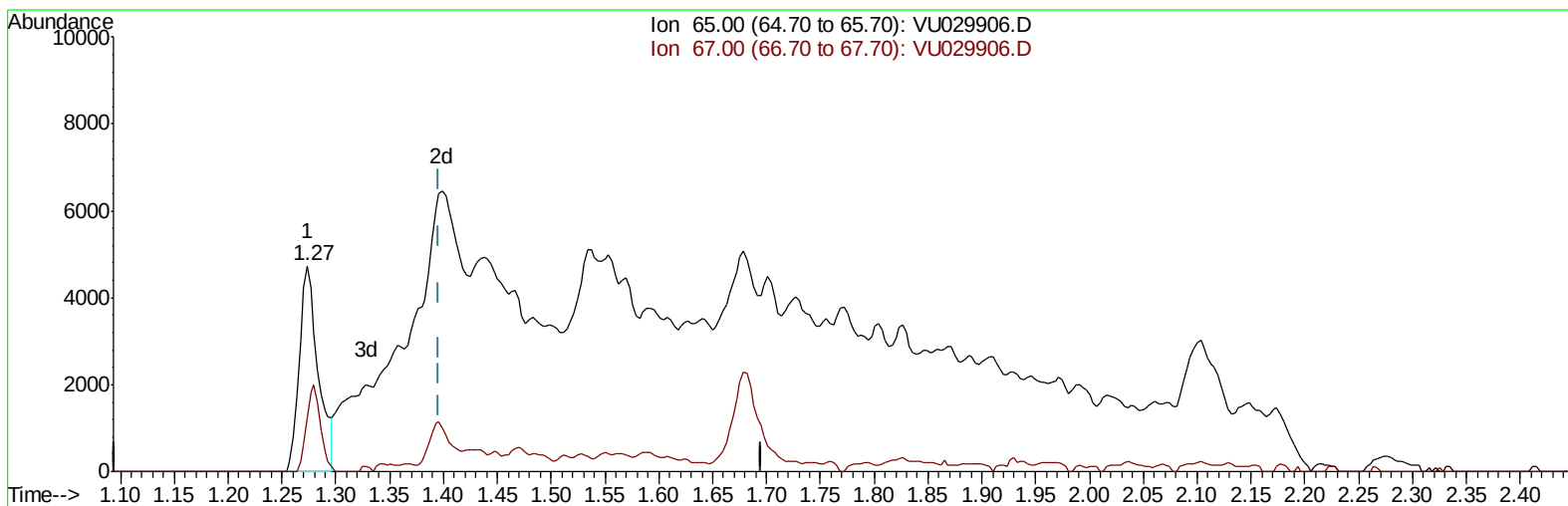
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU031119\
Data File : VU029906.D
Acq On : 08 Mar 2019 22:25
Operator : JC/SP
Sample : K1763-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0959

Manual Integrations
APPROVED

MMDadoda
3/11/2019 10:52:35 AM

Quant Time: Mar 08 23:54:46 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 08 22:13:16 2019
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TIC: VU029906.D

(4) Vinyl Chloride-d3 (S)

1.273min (-0.122) 1.87ug/L

response 5809

Ion	Exp%	Act%
65.00	100	100
67.00	32.30	30.93
0.00	0.00	0.00
0.00	0.00	0.00

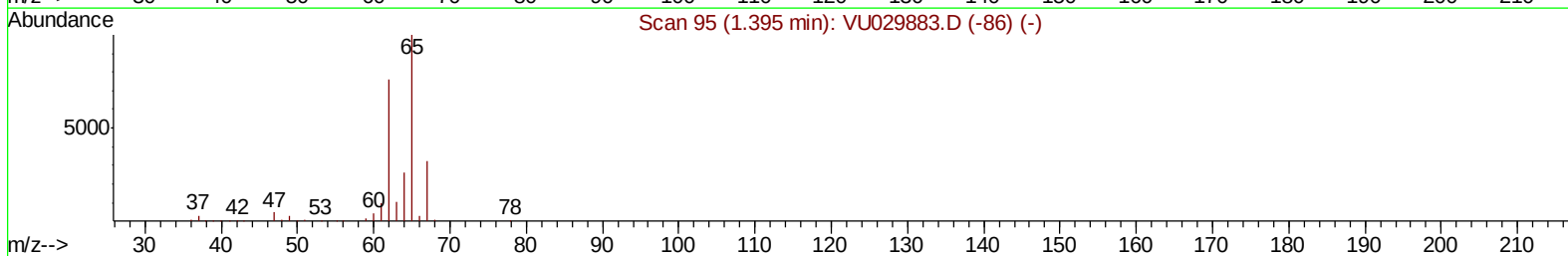
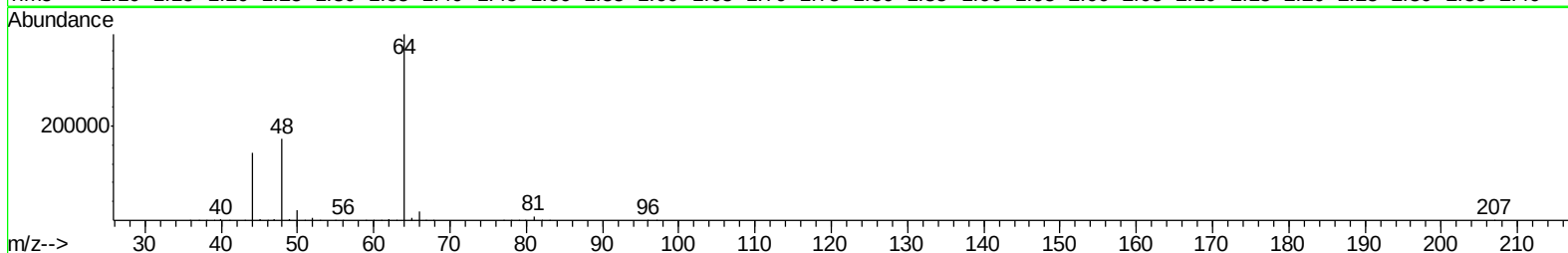
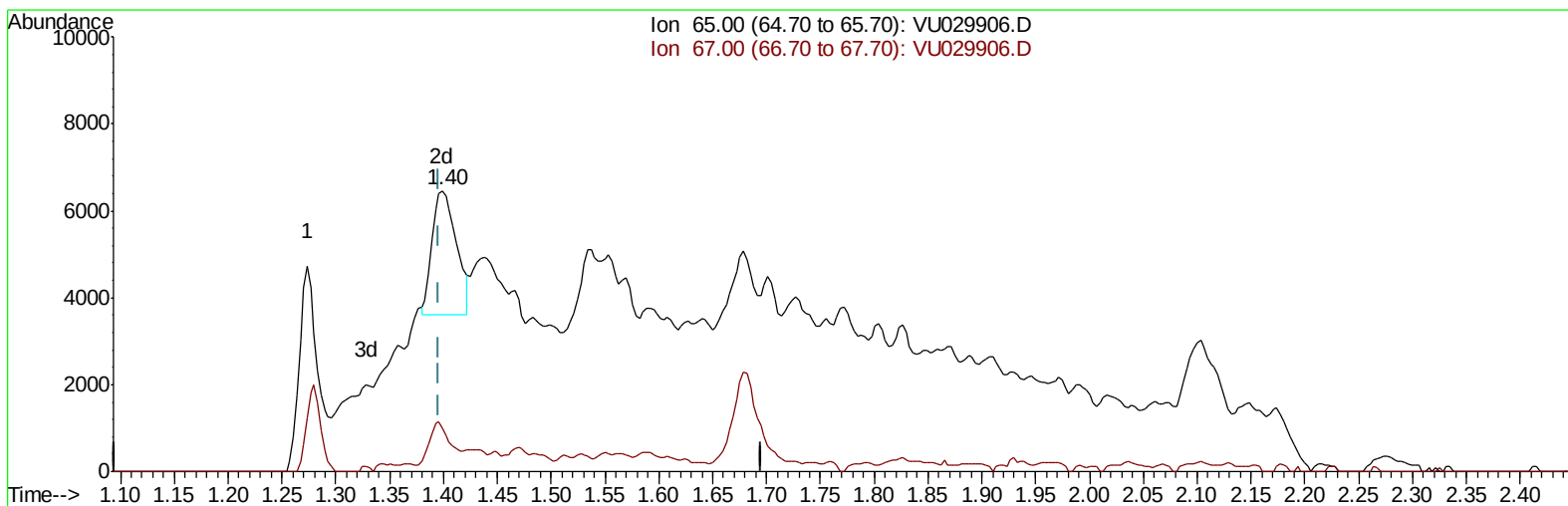
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TIC: VU029906.D

(4) Vinyl Chloride-d3 (S)

1.399min (+0.003) 1.45ug/L m

response 4494

Ion	Exp%	Act%
65.00	100	100
67.00	32.30	39.99
0.00	0.00	0.00
0.00	0.00	0.00

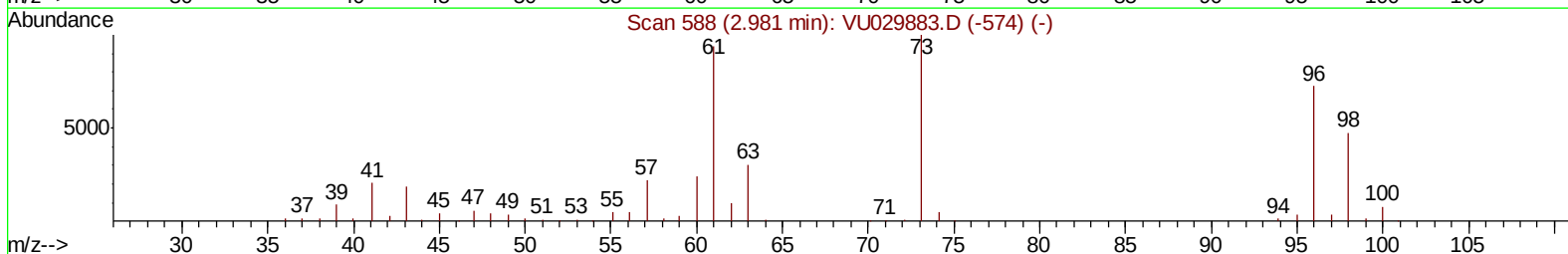
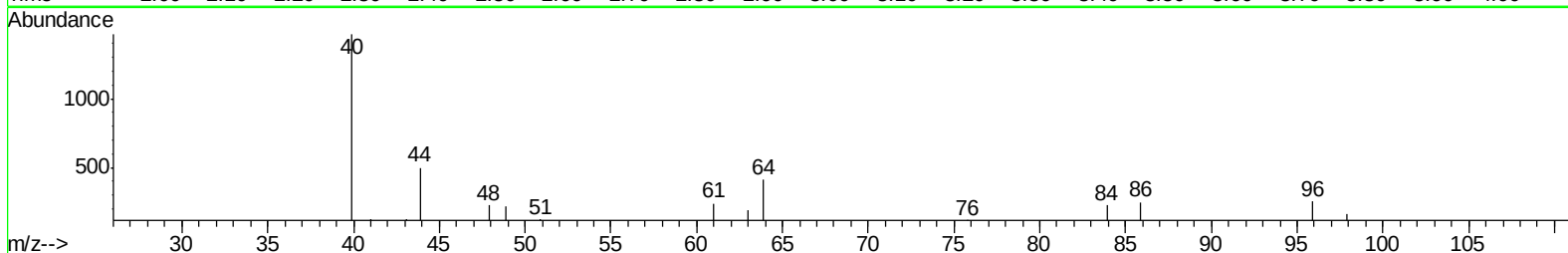
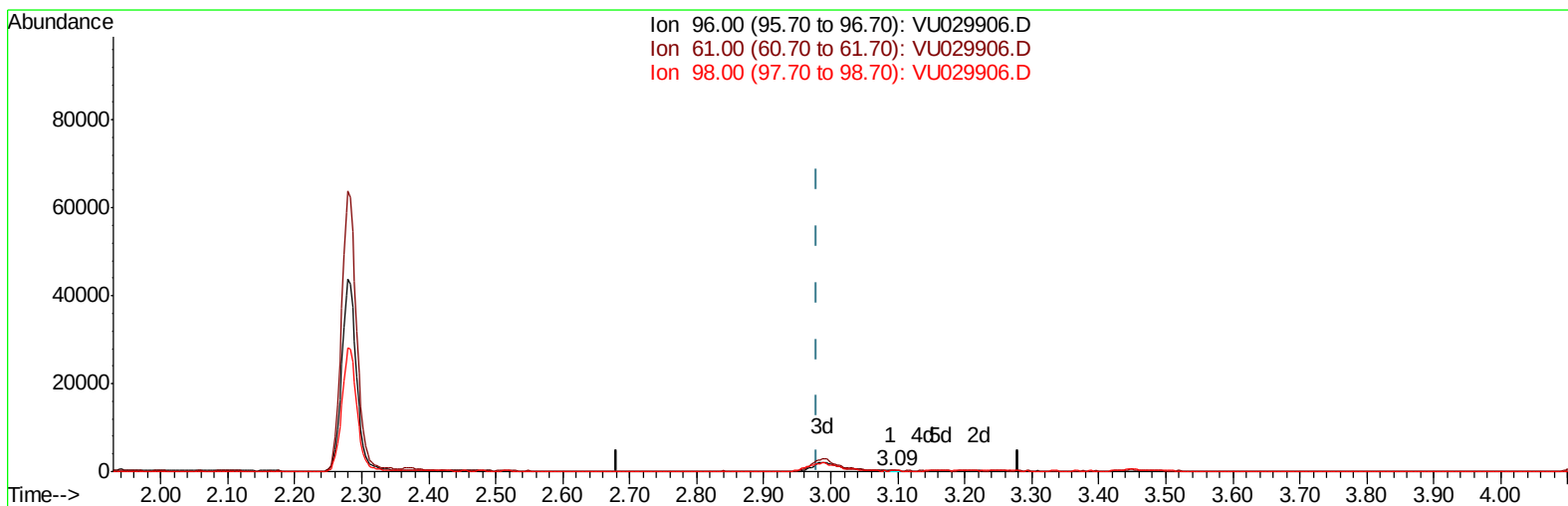
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TIC: VU029906.D

(17) trans-1,2-Dichloroethene (T)

3.090min (+0.109) 0.09ug/L

response 235

Ion	Exp%	Act%
96.00	100	100
61.00	126.10	94.49
98.00	64.00	63.78
0.00	0.00	0.00

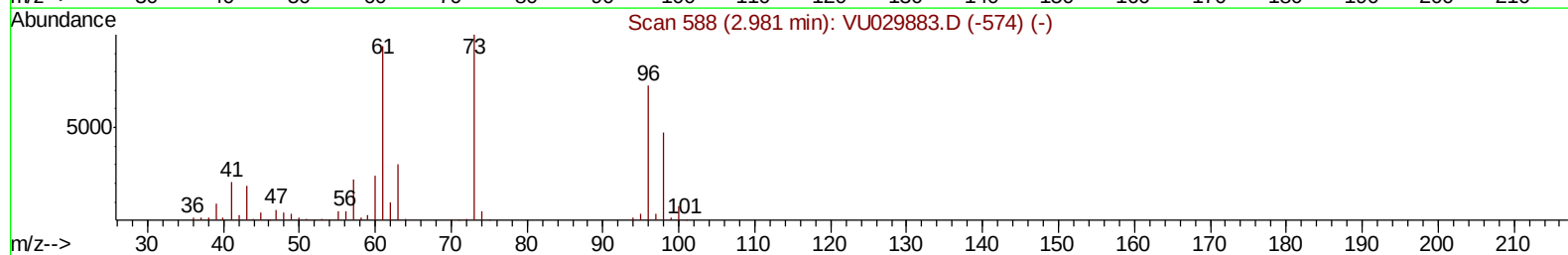
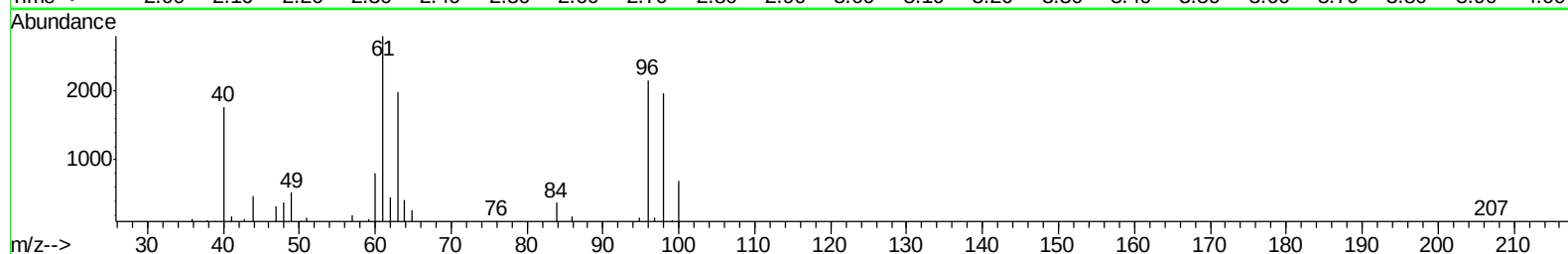
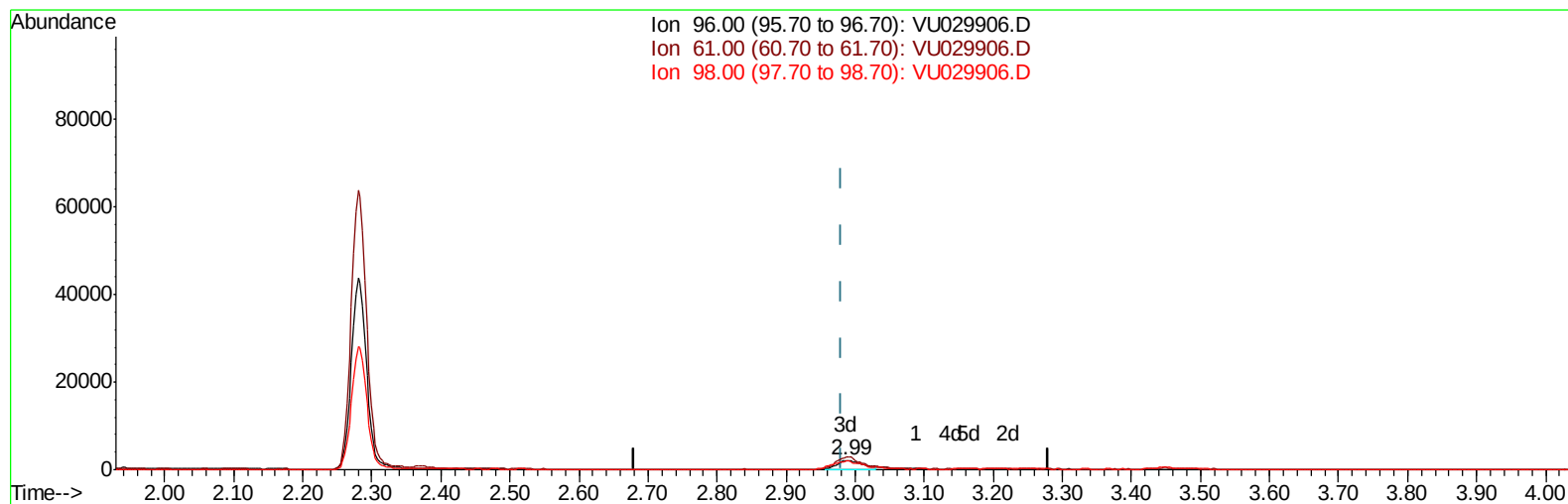
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TIC: VU029906.D

(17) trans-1,2-Dichloroethene (T)

2.987min (+0.007) 2.13ug/L m

response 5504

Ion	Exp%	Act%
96.00	100	100
61.00	126.10	129.70
98.00	64.00	91.23#
0.00	0.00	0.00

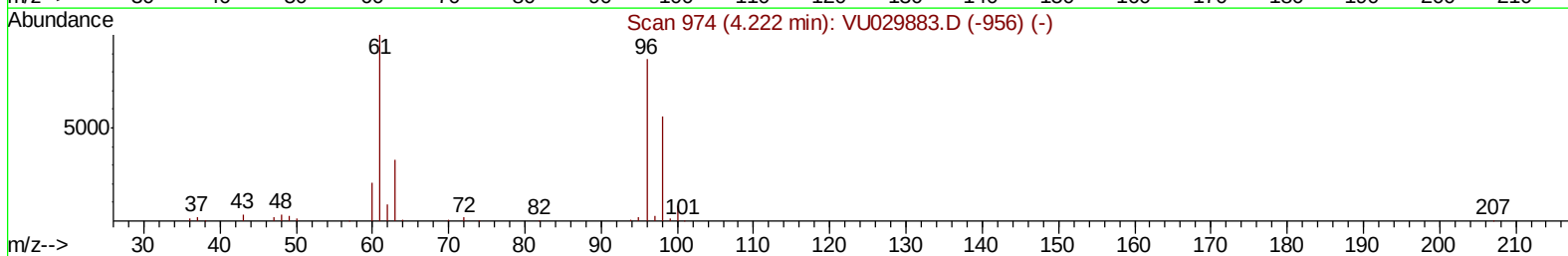
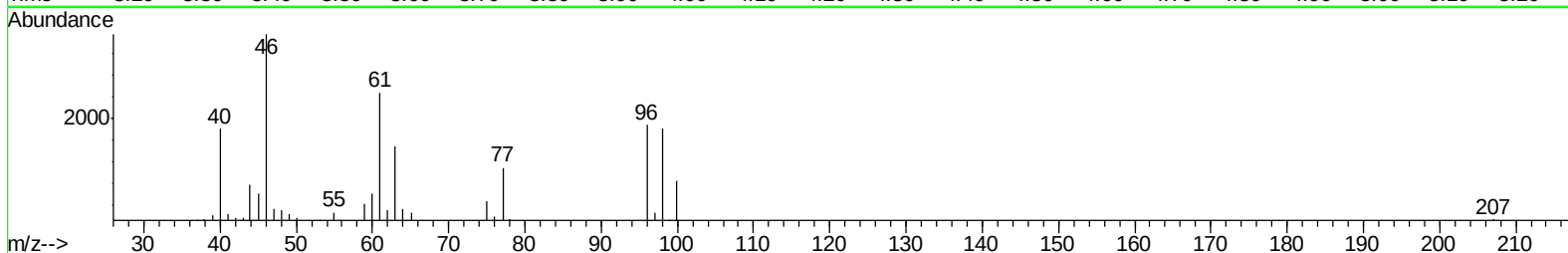
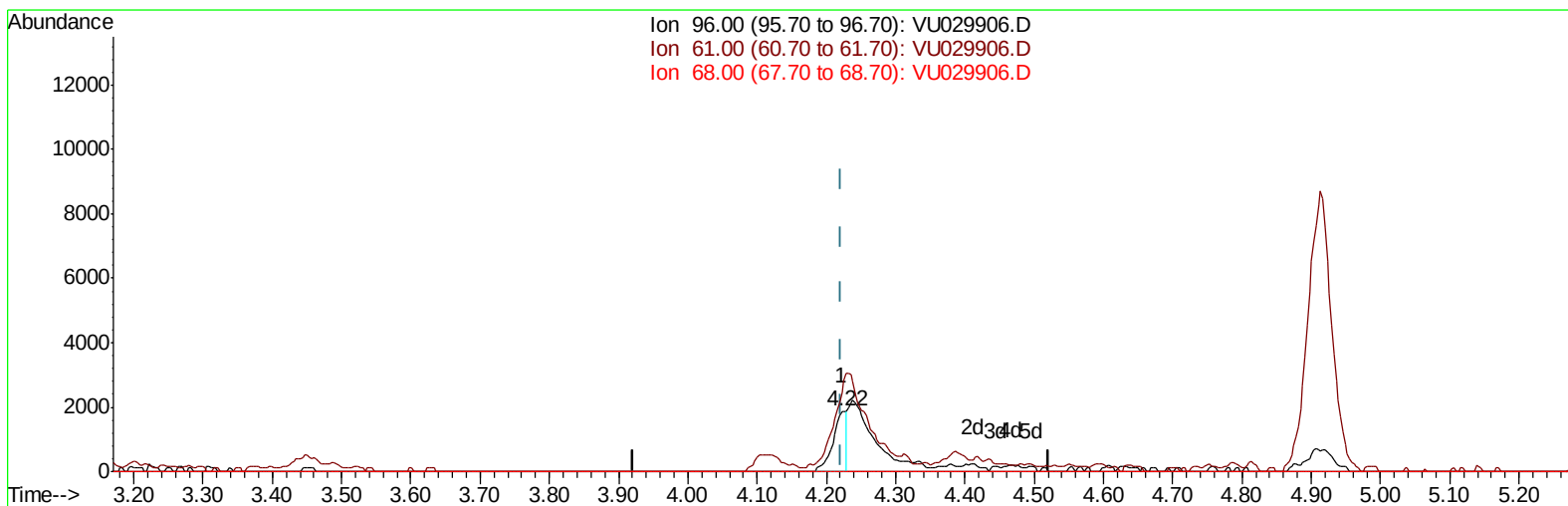
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TIC: VU029906.D

(20) cis-1,2-Dichloroethene (T)

4.222min (+0.000) 0.84ug/L

response 2533

Ion	Exp%	Act%
96.00	100	100
61.00	119.80	131.56
68.00	0.00	0.00
0.00	0.00	0.00

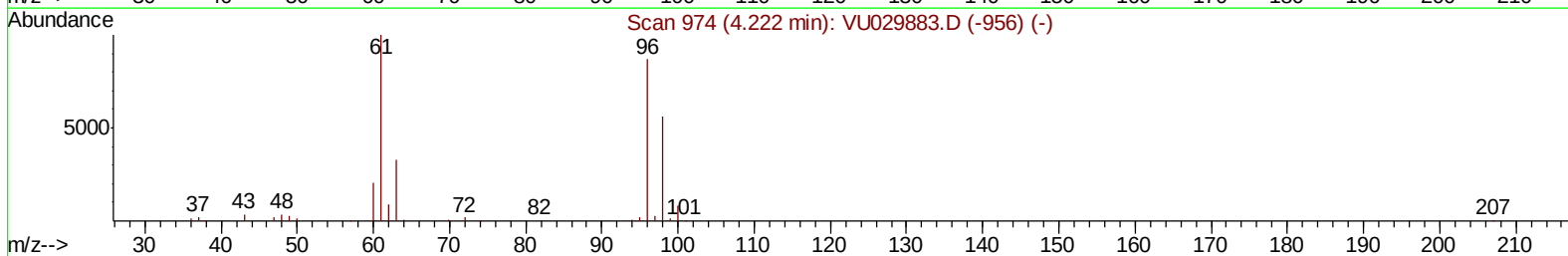
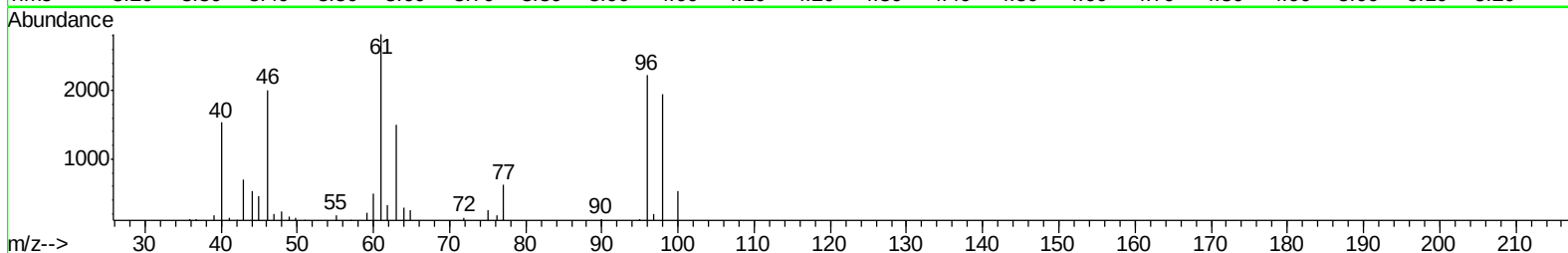
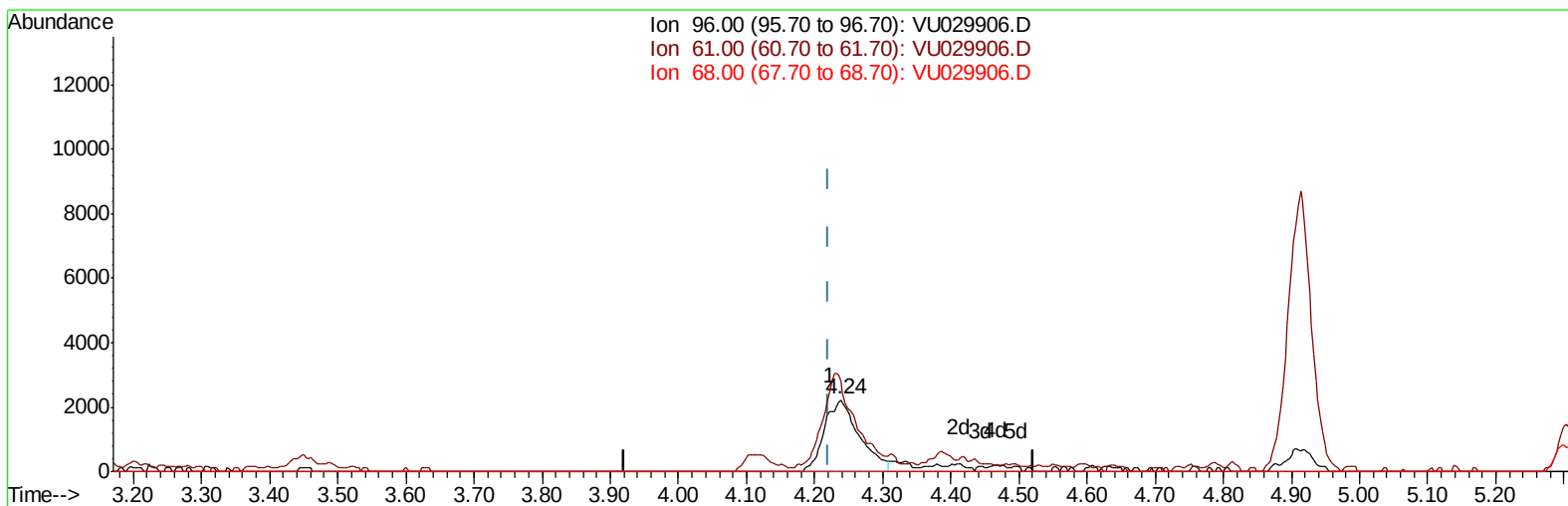
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 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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TIC: VU029906.D

(20) cis-1,2-Dichloroethene (T)

4.238min (+0.016) 2.63ug/L m

response 7912

Ion	Exp%	Act%
96.00	100	100
61.00	119.80	126.81
68.00	0.00	0.00
0.00	0.00	0.00

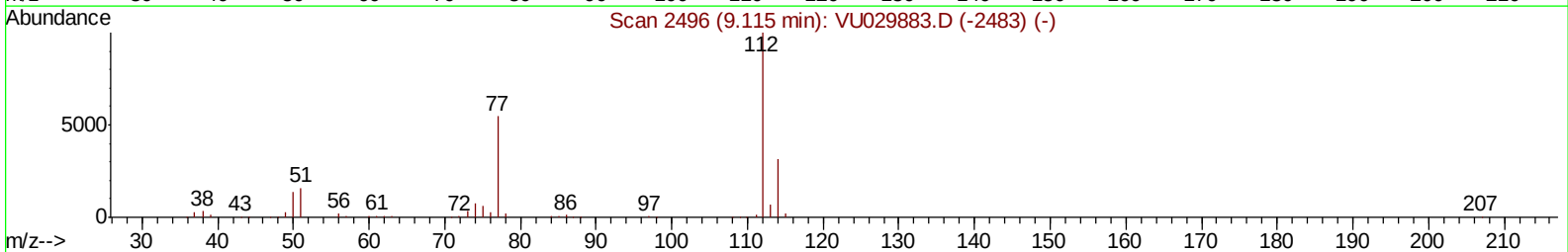
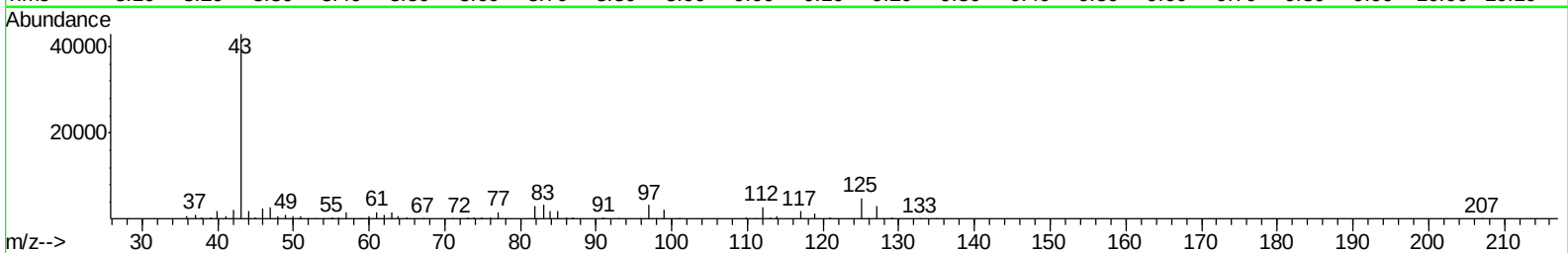
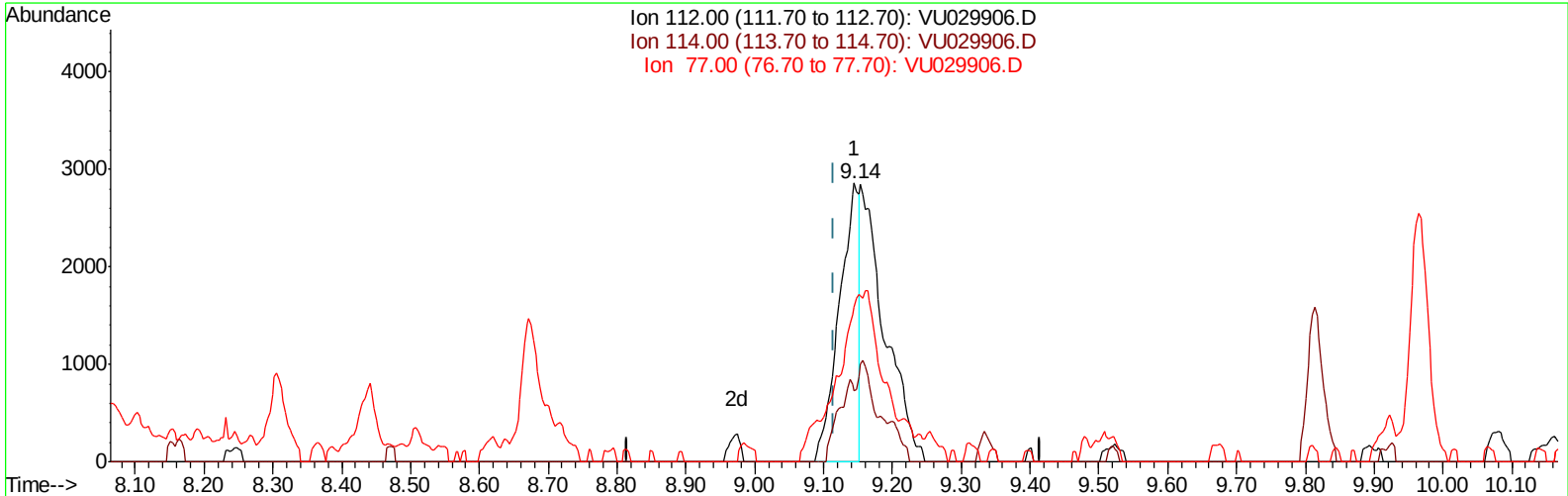
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Instrument :
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TIC: VU029906.D

(51) Chlorobenzene (T)

9.145min (+0.029) 3.34ug/L

response 5648

Ion	Exp%	Act%
112.00	100	100
114.00	32.40	25.52
77.00	52.60	55.54
0.00	0.00	0.00

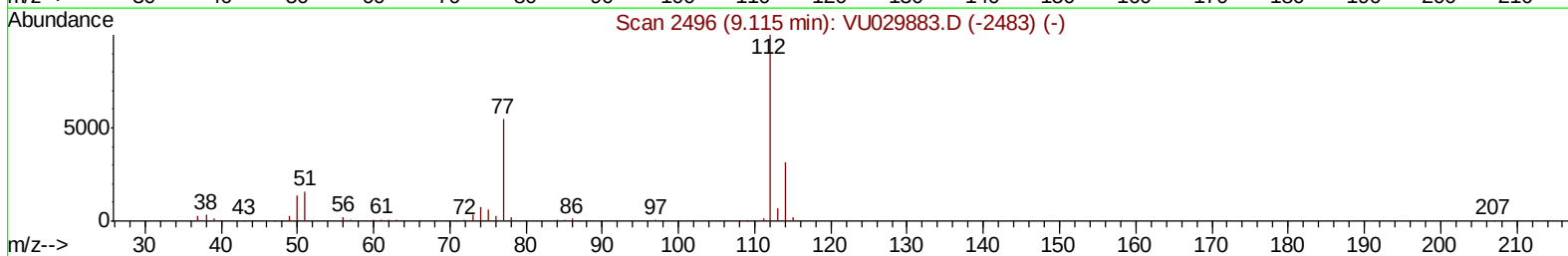
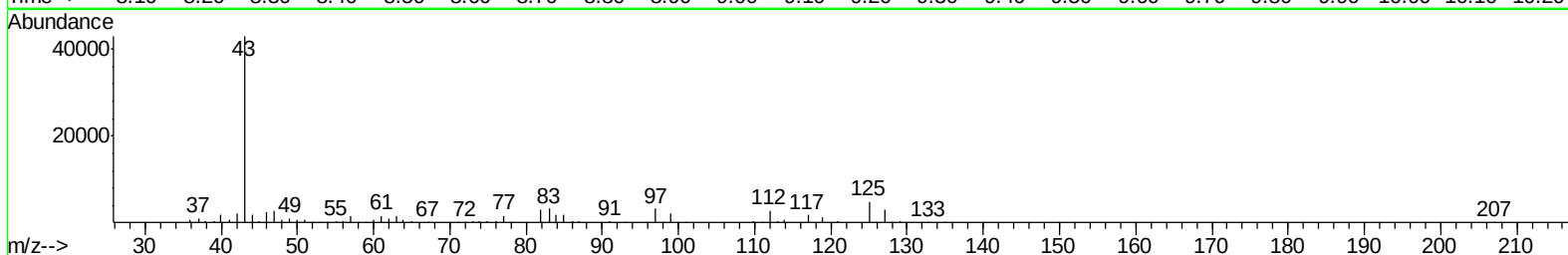
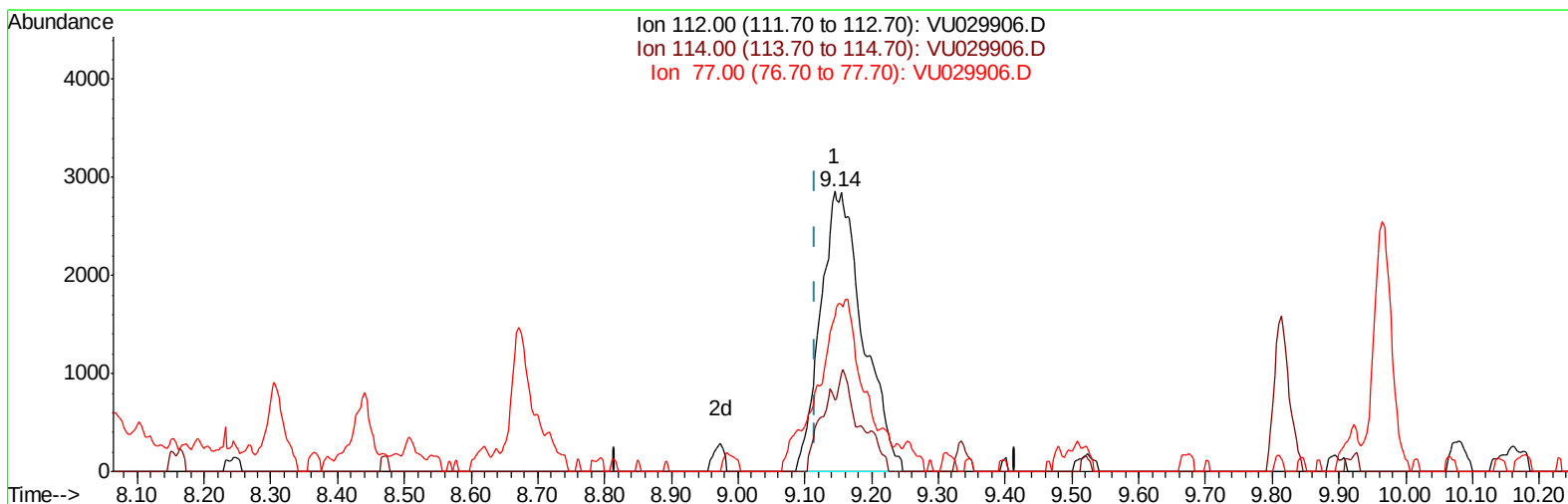
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Manual Integrations
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TIC: VU029906.D

(51) Chlorobenzene (T)

9.145min (+0.029) 7.47ug/L m

response 12631

Ion	Exp%	Act%
112.00	100	100
114.00	32.40	25.52
77.00	52.60	55.54
0.00	0.00	0.00

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Manual Integrations
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Quant Time: Mar 09 00:17:28 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M

Quant Title : VOC Analysis

QLast Update : Fri Mar 08 22:13:16 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	423603	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	81219	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	641018	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	4494m	1.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	2.90%#
7) Chloroethane-d5	1.68	69	116017	42.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.08%
11) 1,1-Dichloroethene-d2	2.28	63	33754	5.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	11.12%#
21) 2-Butanone-d5	4.17	46	61832	32.73	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	32.73%#
24) Chloroform-d	4.66	84	417925	83.01	ug/L	0.01
Spiked Amount	50.000	Range	70 - 125	Recovery	=	166.02%#
26) 1,2-Dichloroethane-d4	5.31	65	173353	54.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.78%
32) Benzene-d6	5.33	84	1760	0.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	1.72%#
36) 1,2-Dichloropropane-d6	6.32	67	188257	306.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	612.36%#
41) Toluene-d8	7.57	98	2263	1.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	2.18%#
43) trans-1,3-Dichloropropene-	7.85	79	1950	5.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	11.96%#
47) 2-Hexanone-d5	8.31	63	194759	568.80	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	568.80%#
57) 1,1,2,2-Tetrachloroethane-	10.43	84	315015	303.21	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	606.42%#
64) 1,2-Dichlorobenzene-d4	11.86	152	466386	33.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	67.52%#

Target Compounds

					Qvalue
3) Chloromethane	1.32	50	10455908	4103.542 ug/L #	82
13) Acetone	2.32	43	28699	14.218 ug/L	96
14) Carbon disulfide	2.48	76	8536	1.162 ug/L #	92
15) Methyl Acetate	2.62	43	12233	4.669 ug/L	96
16) Methylene chloride	2.70	84	1602790	590.476 ug/L	99
17) trans-1,2-Dichloroethene	2.99	96	5504m	2.126 ug/L	
19) 1,1-Dichloroethane	3.45	63	13233	2.956 ug/L	97
20) cis-1,2-Dichloroethene	4.24	96	7912m	2.630 ug/L	
22) 2-Butanone	4.27	43	15503	6.730 ug/L	86
25) Chloroform	4.67	83	4431854	887.249 ug/L	100
27) 1,2-Dichloroethane	5.41	62	7756	2.020 ug/L	95
30) 1,1,1-Trichloroethane	4.91	97	49103	57.019 ug/L	98
31) Carbon tetrachloride	5.13	117	632182	811.070 ug/L	99
34) Trichloroethene	6.18	95	368395	656.726 ug/L	96
37) 1,2-Dichloropropane	6.43	63	7299	13.353 ug/L #	91
38) Bromodichloromethane	6.75	83	378808	514.040 ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	58861	76.575 ug/L #	52

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.06	97	9327	16.008	ug/L	92
46) Tetrachloroethene	8.22	164	30573	55.683	ug/L	99
49) Dibromochloromethane	8.47	129	60944	86.283	ug/L	99
51) Chlorobenzene	9.14	112	12631m	7.473	ug/L	
63) 1,4-Dichlorobenzene	11.50	146	16733	0.814	ug/L	96

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

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