

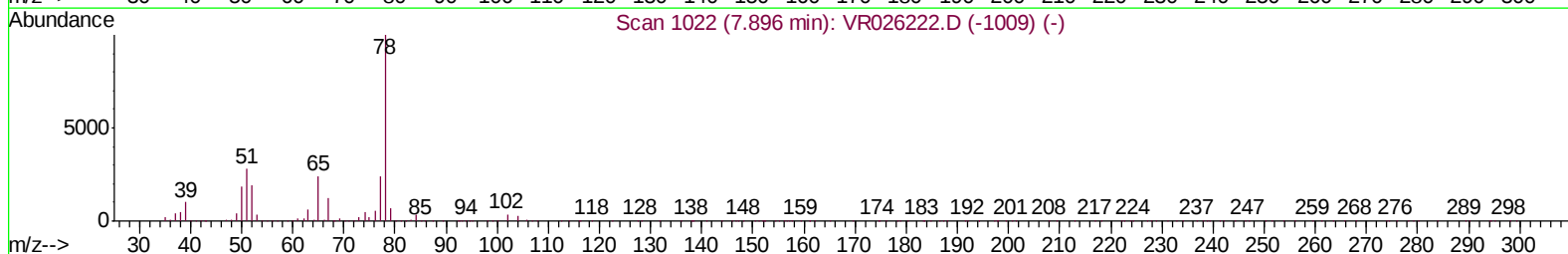
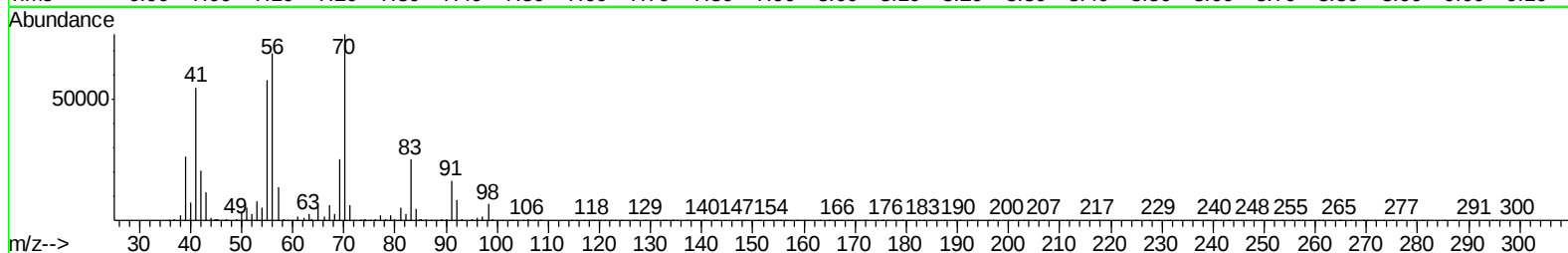
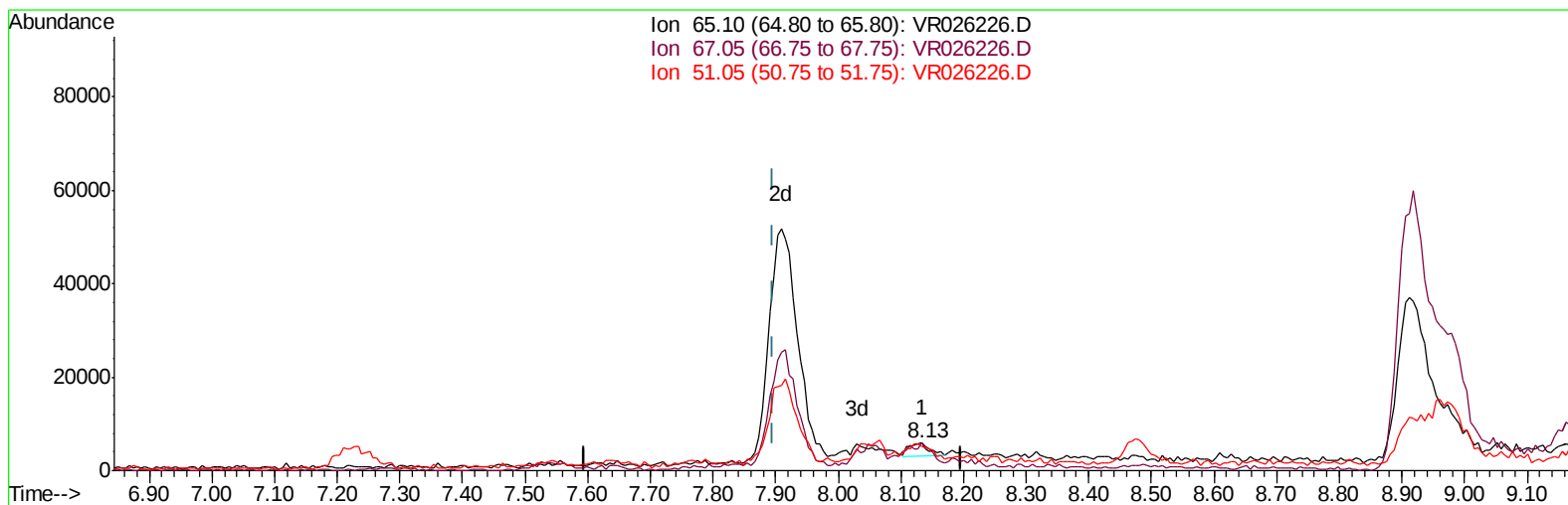
Data File : VR026226.D
Acq On : 19 Nov 2018 17:51
Operator : SY/MD
Sample : J5997-09
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
E3YA7

Manual Integrations
APPROVED

MMDadoda
11/26/2018 10:16:08 AM

Quant Time: Nov 20 04:19:27 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR110918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 04:16:20 2018
Response via : Initial Calibration



TIC: VR026226.D

(26) 1,2-Dichloroethane-d4 (S)

8.134min (+0.237) 0.19ug/L

response 6418

Ion	Exp%	Act%
65.10	100	100
67.05	51.40	48.43
51.05	152.90	127.34
0.00	0.00	0.00

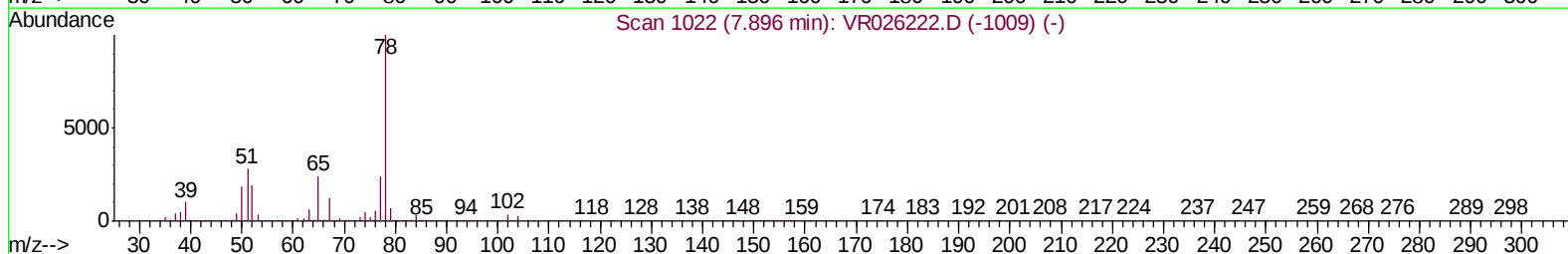
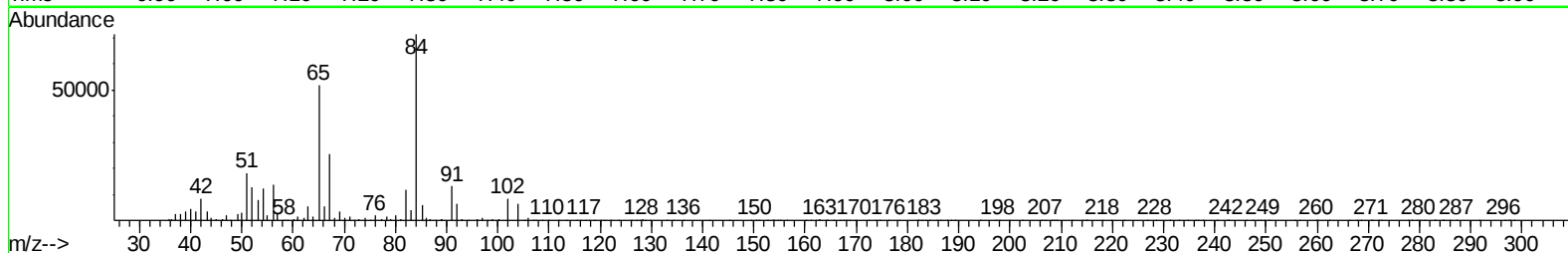
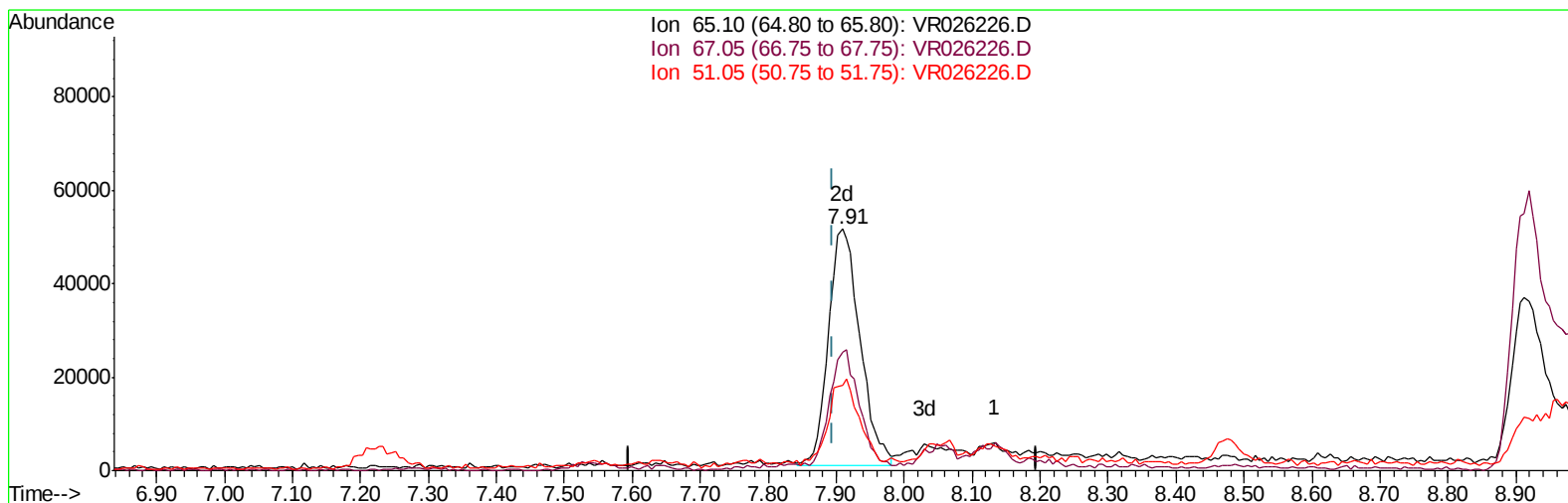
Data File : VR026226.D
Acq On : 19 Nov 2018 17:51
Operator : SY/MD
Sample : J5997-09
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
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Manual Integrations
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MMDadoda
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Quant Time: Nov 20 04:19:27 2018
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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 04:16:20 2018
Response via : Initial Calibration



TIC: VR026226.D

(26) 1,2-Dichloroethane-d4 (S)

7.909min (+0.012) 4.89ug/L m

response 163660

Ion	Exp%	Act%
65.10	100	100
67.05	51.40	1.90#
51.05	152.90	4.99#
0.00	0.00	0.00

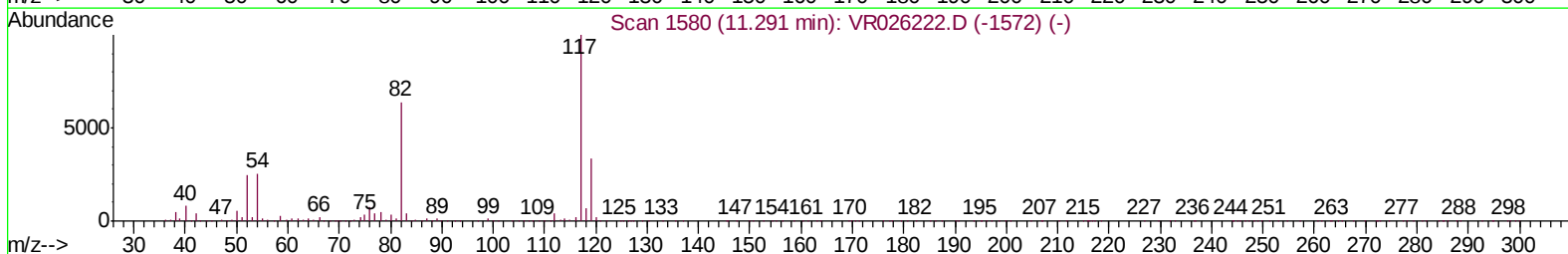
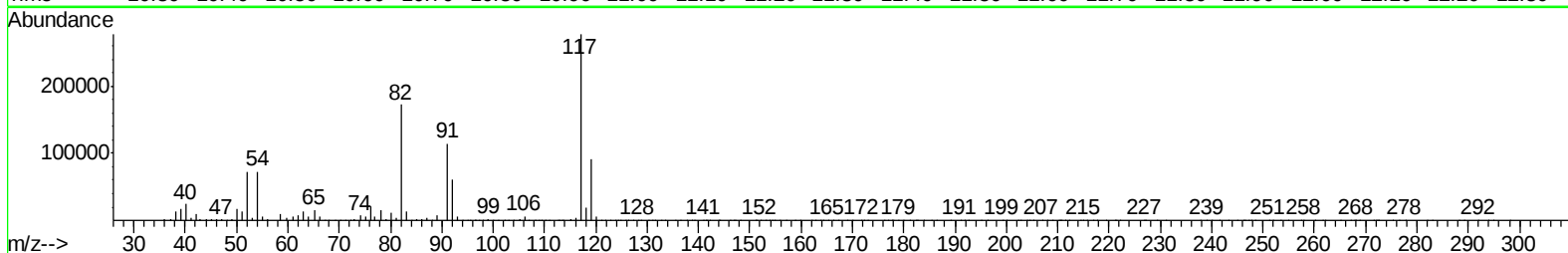
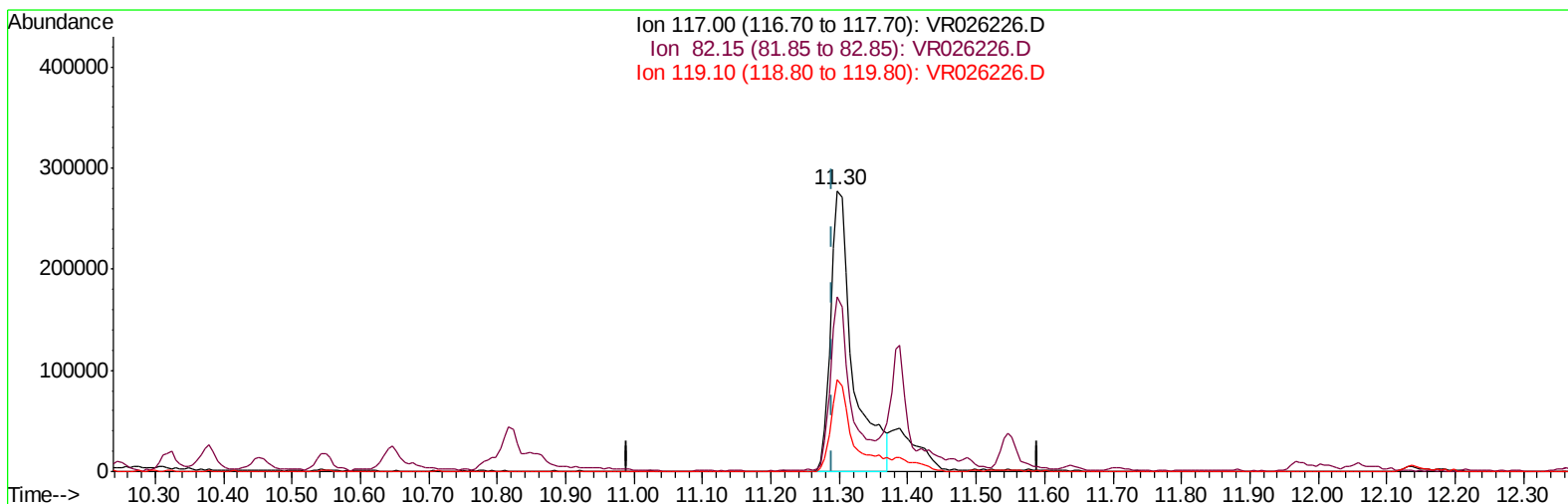
Data File : VR026226.D
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ALS Vial : 6 Sample Multiplier: 1

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ClientSampleId :
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Manual Integrations
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Quant Time: Nov 20 04:19:27 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR110918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 04:16:20 2018
Response via : Initial Calibration



TIC: VR026226.D

(28) Chlorobenzene-d5 (I)
11.297min (+0.006) 5.00ug/L
response 626206

Ion	Exp%	Act%
117.00	100	100
82.15	62.40	58.26
119.10	32.20	32.64
0.00	0.00	0.00

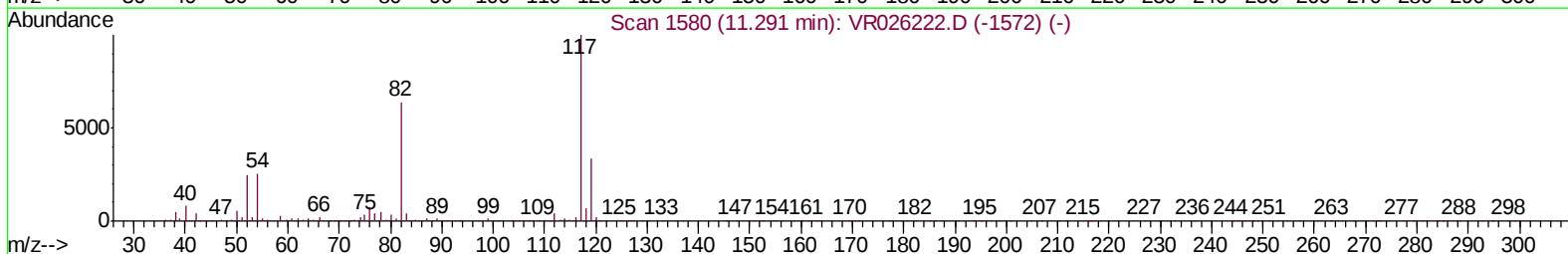
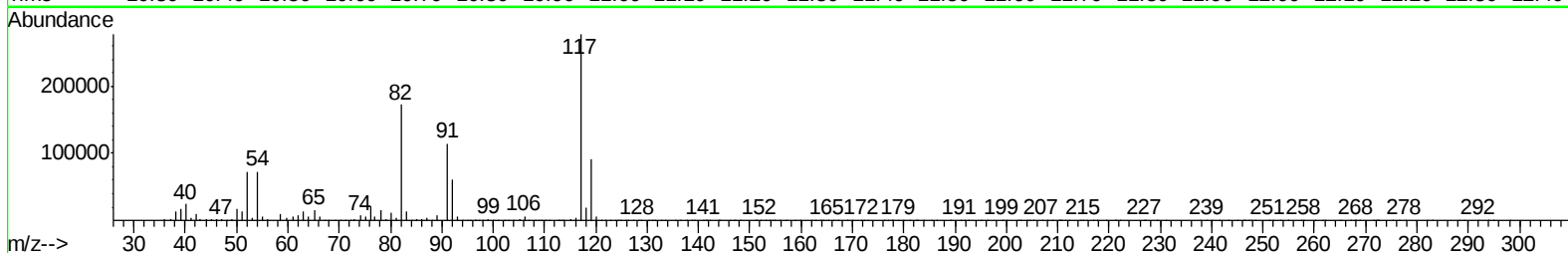
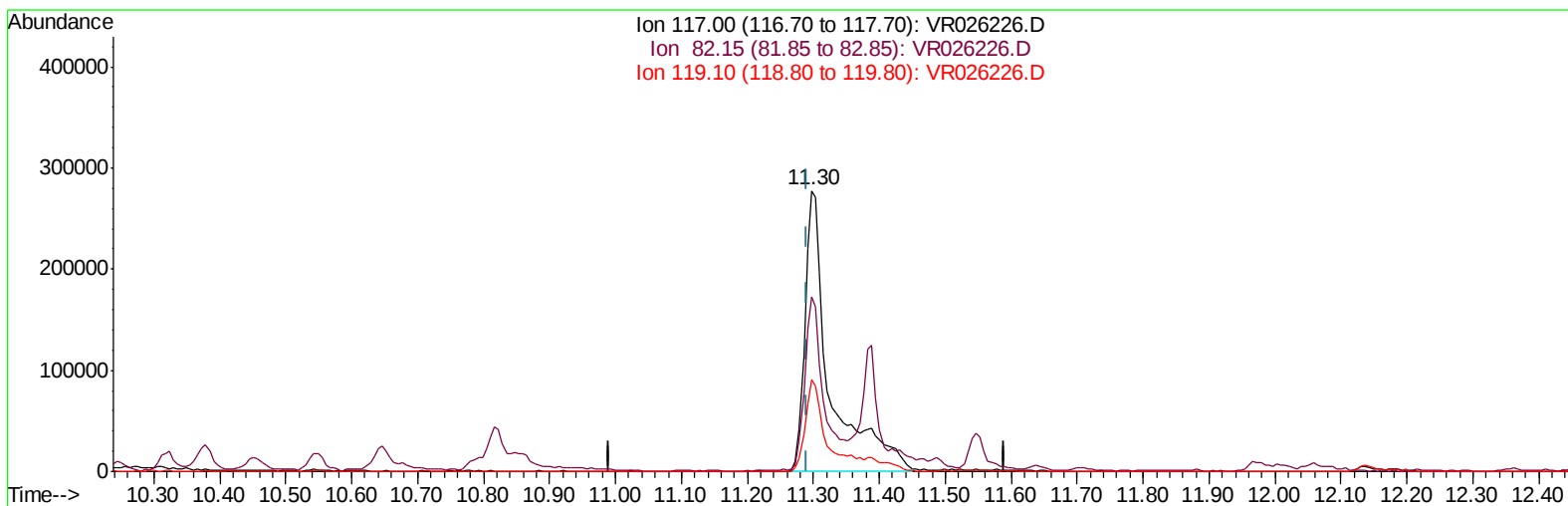
Data File : VR026226.D
Acq On : 19 Nov 2018 17:51
Operator : SY/MD
Sample : J5997-09
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
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Manual Integrations
APPROVED

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Quant Time: Nov 20 04:19:27 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR110918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 04:16:20 2018
Response via : Initial Calibration



TIC: VR026226.D

(28) Chlorobenzene-d5 (I)

11.297min (+0.006) 5.00ug/L m

response 747631

Ion	Exp%	Act%
117.00	100	100
82.15	62.40	48.80#
119.10	32.20	27.34
0.00	0.00	0.00

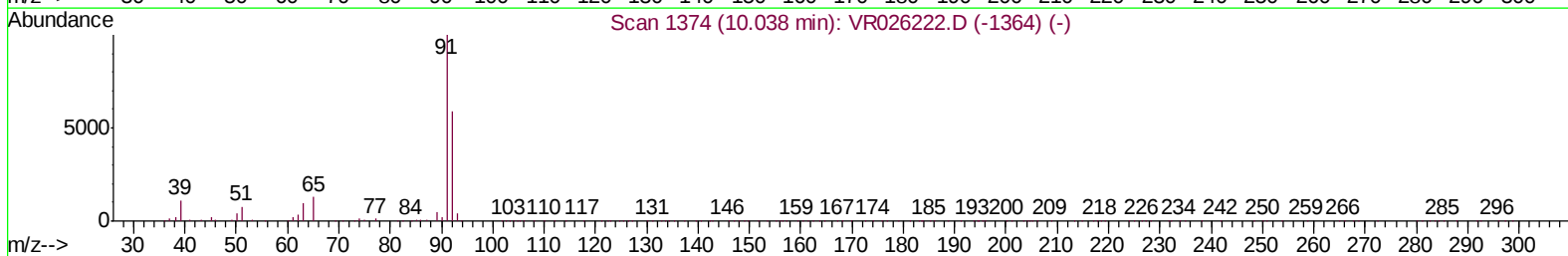
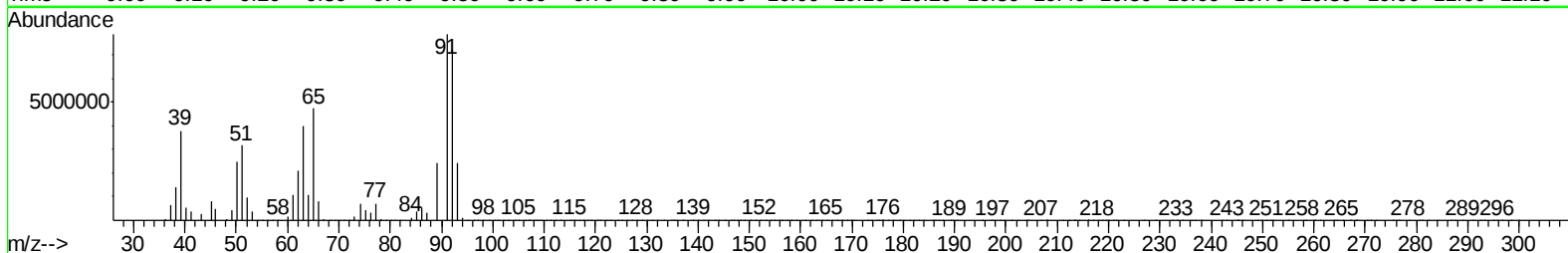
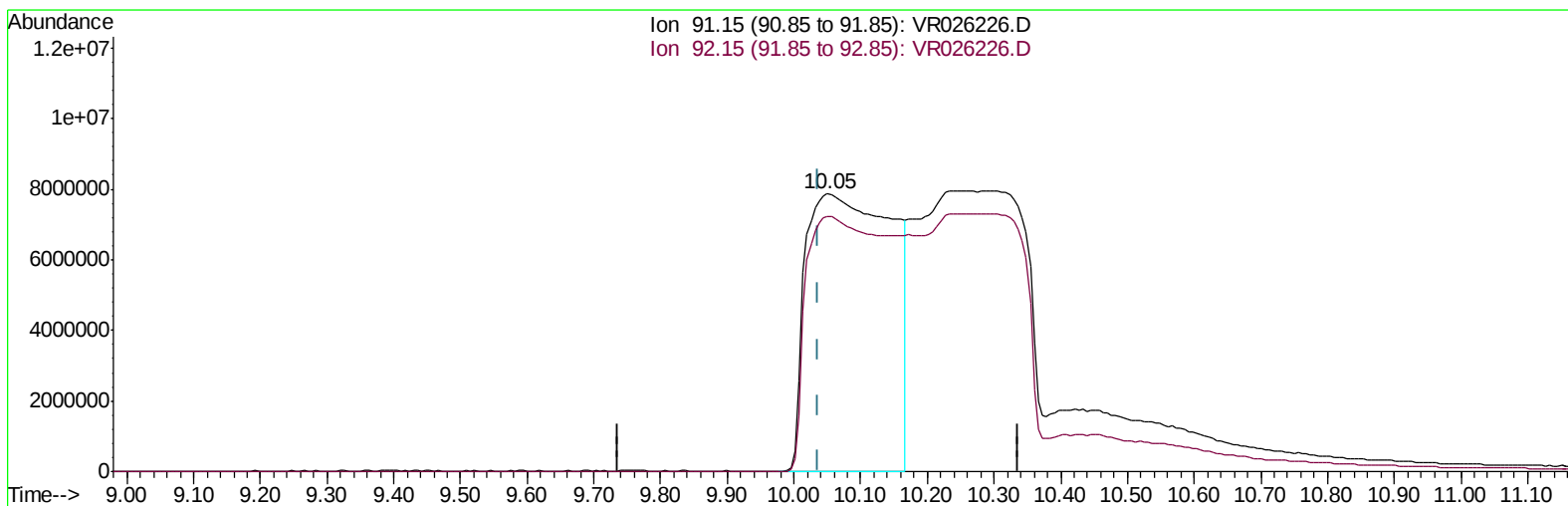
Data File : VR026226.D
Acq On : 19 Nov 2018 17:51
Operator : SY/MD
Sample : J5997-09
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
E3YA7

Manual Integrations
APPROVED

MMDadoda
11/26/2018 10:16:08 AM

Quant Time: Nov 20 05:34:58 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR110918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 04:16:20 2018
Response via : Initial Calibration



TIC: VR026226.D

(42) Toluene (T)

10.050min (+0.012) 250.70ug/L

response 70478478

Ion	Exp%	Act%
91.15	100	100
92.15	59.10	91.95#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VR026226.D

Acq On : 19 Nov 2018 17:51

Operator : SY/MD

Sample : J5997-09

Misc : 25mL/MSVOA_R/WATER

ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
E3YA7

Manual Integrations
APPROVED

MMDadoda
11/26/2018 10:16:08 AM

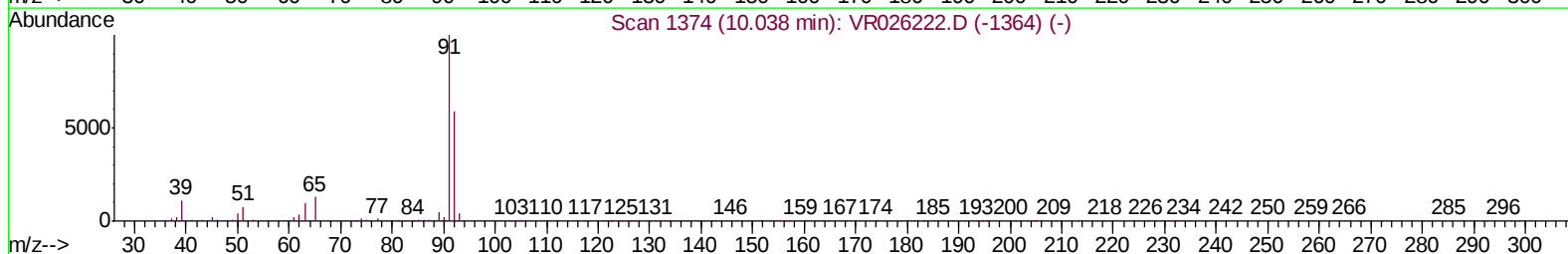
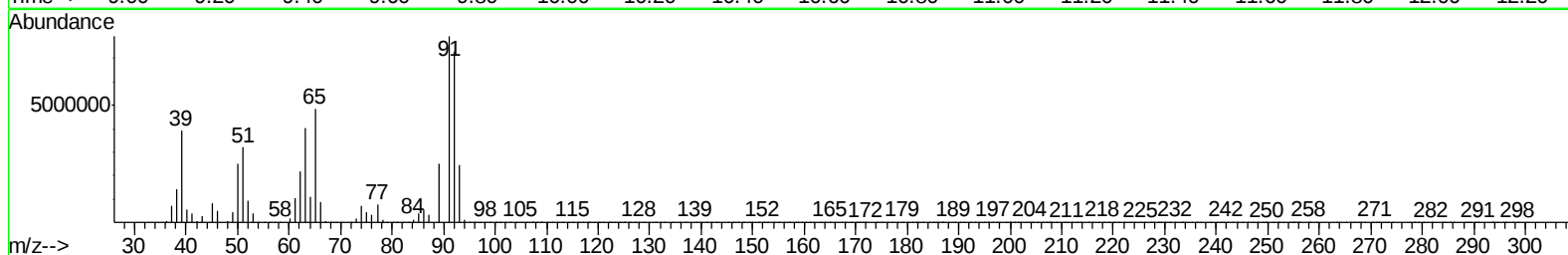
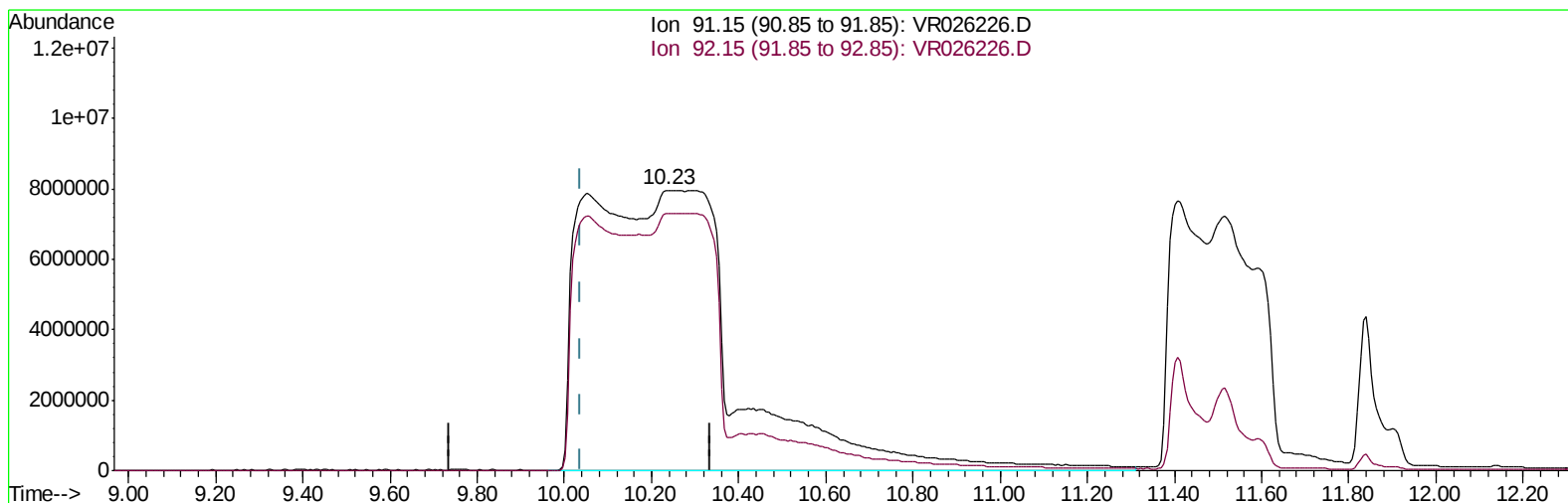
Quant Time: Nov 20 05:34:58 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR110918WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Nov 20 04:16:20 2018

Response via : Initial Calibration



TIC: VR026226.D

(42) Toluene (T)

10.233min (+0.195) 692.22ug/L m

response 194601656

Ion	Exp%	Act%
91.15	100	100
92.15	59.10	91.93#
0.00	0.00	0.00
0.00	0.00	0.00

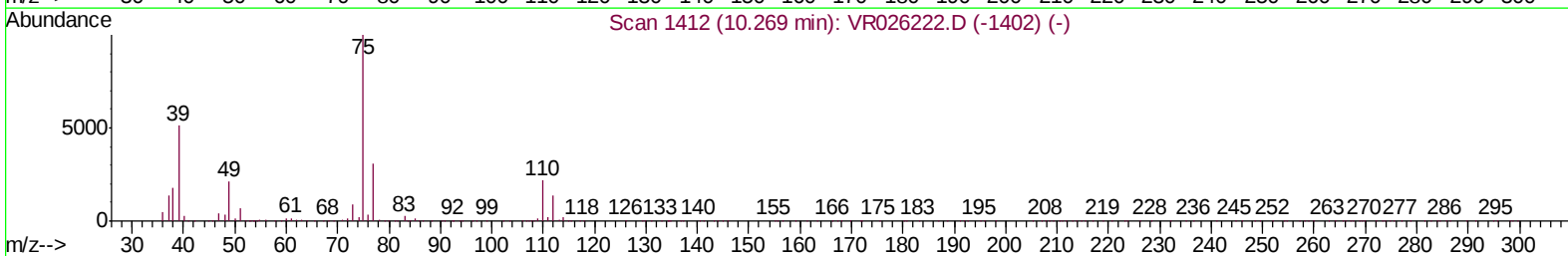
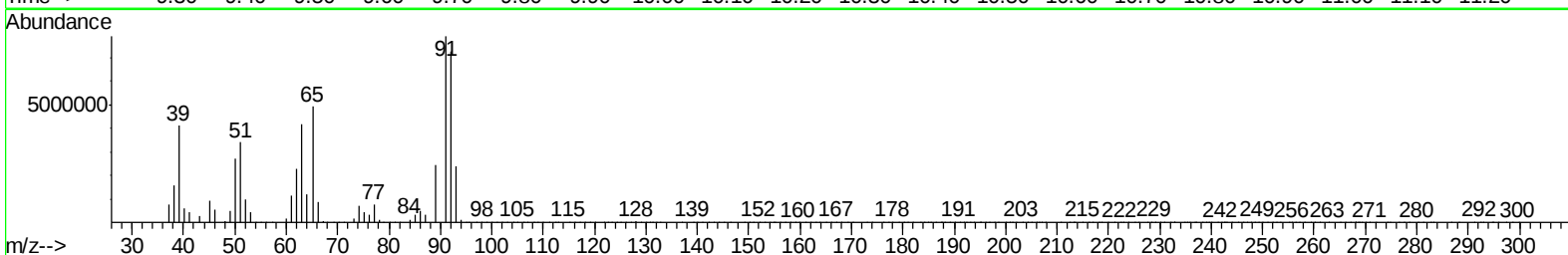
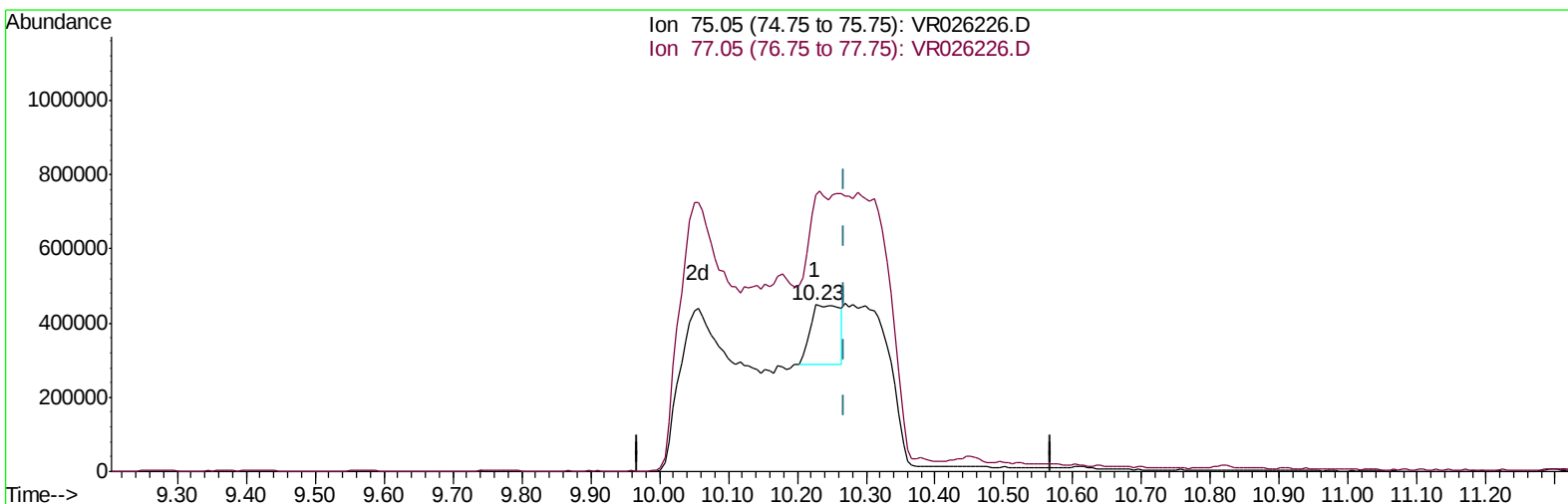
Data File : VR026226.D
Acq On : 19 Nov 2018 17:51
Operator : SY/MD
Sample : J5997-09
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
E3YA7

Manual Integrations
APPROVED

MMDadoda
11/26/2018 10:16:08 AM

Quant Time: Nov 20 05:34:58 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR110918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 04:16:20 2018
Response via : Initial Calibration



TIC: VR026226.D

(44) trans-1,3-Dichloropropene (T)

10.226min (-0.042) 10.91ug/L

response 465658

Ion	Exp%	Act%
75.05	100	100
77.05	33.90	165.99#
0.00	0.00	0.00
0.00	0.00	0.00

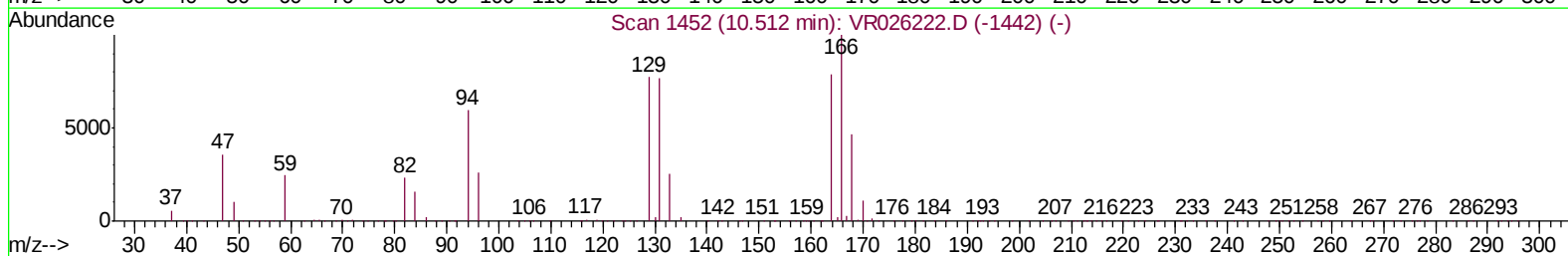
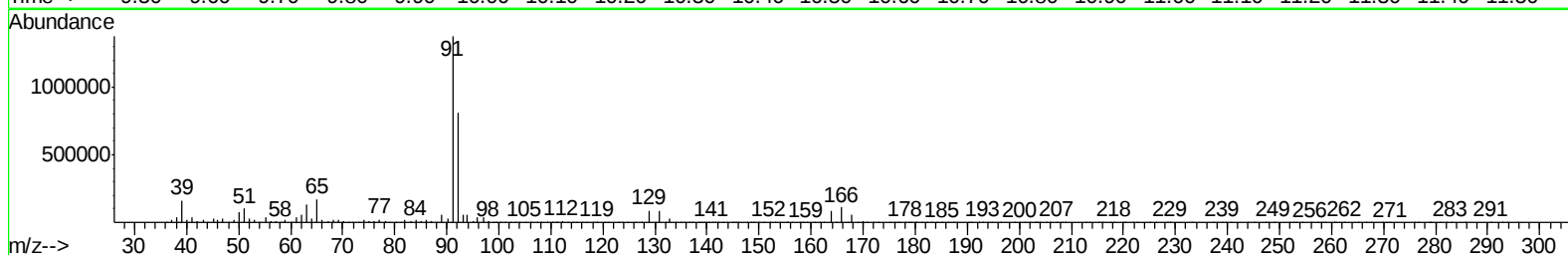
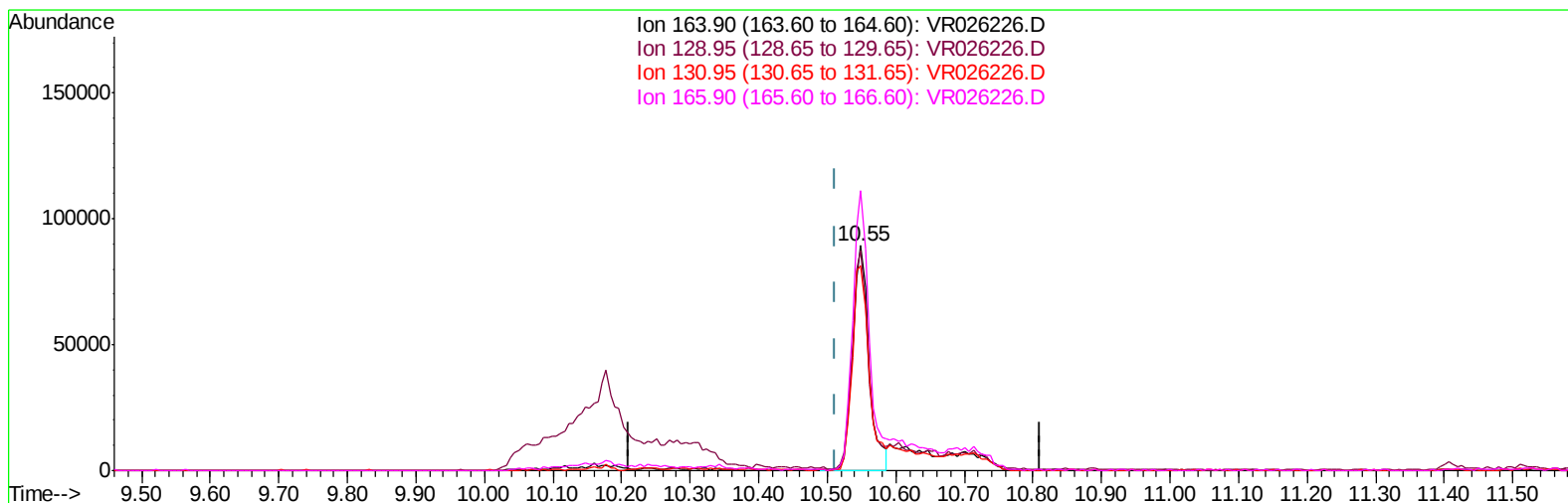
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Acq On : 19 Nov 2018 17:51
Operator : SY/MD
Sample : J5997-09
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
E3YA7

Manual Integrations
APPROVED

MMDadoda
11/26/2018 10:16:08 AM

Quant Time: Nov 20 05:34:58 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR110918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 04:16:20 2018
Response via : Initial Calibration



TIC: VR026226.D

(47) Tetrachloroethene (T)
10.549min (+0.037) 3.14ug/L
response 147474

Ion	Exp%	Act%
163.90	100	100
128.95	103.30	97.99
130.95	104.80	90.89
165.90	130.60	124.32

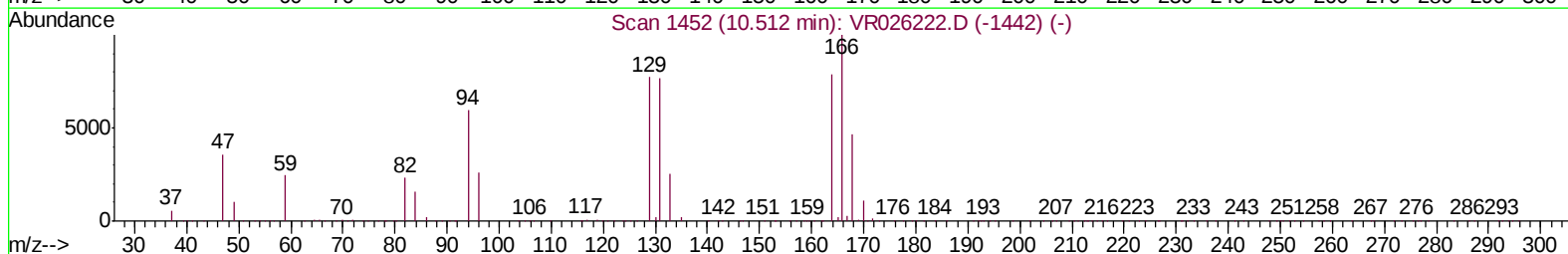
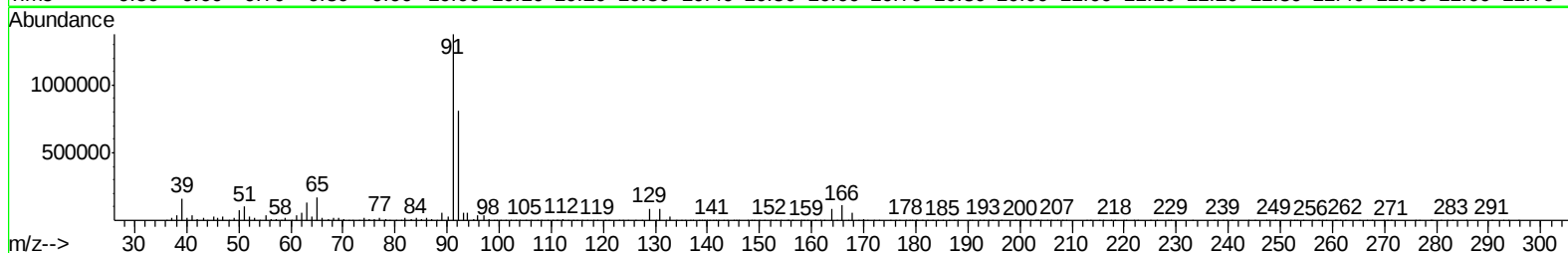
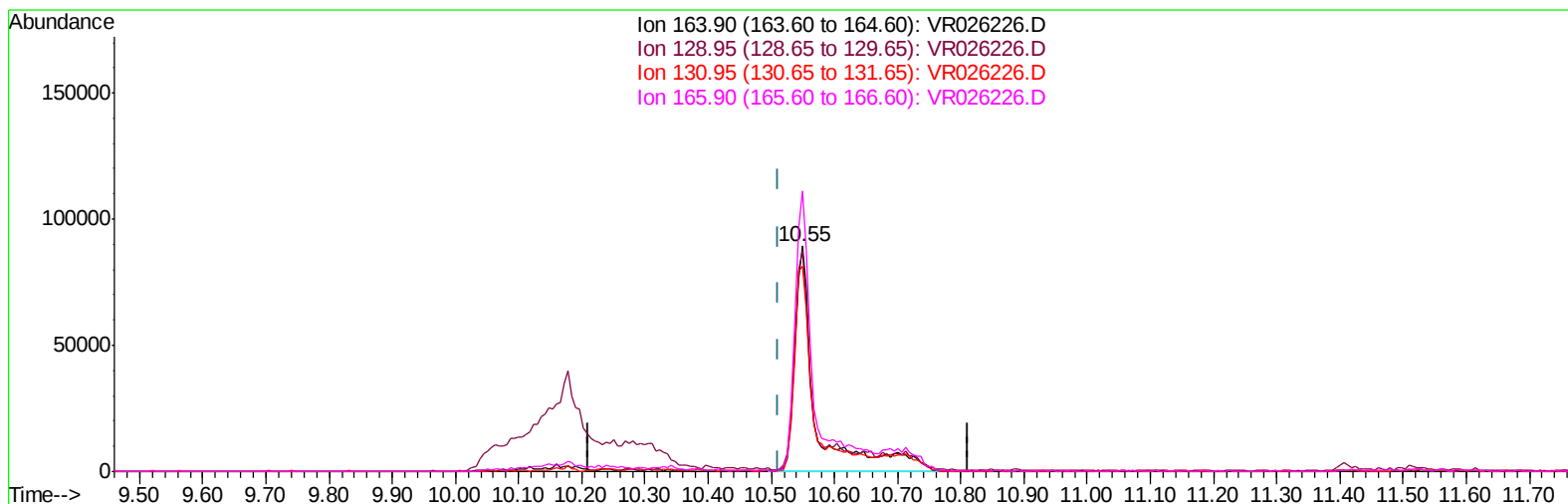
Data File : VR026226.D
Acq On : 19 Nov 2018 17:51
Operator : SY/MD
Sample : J5997-09
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
E3YA7

Manual Integrations
APPROVED

MMDadoda
11/26/2018 10:16:08 AM

Quant Time: Nov 20 05:34:58 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR110918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 04:16:20 2018
Response via : Initial Calibration



TIC: VR026226.D

(47) Tetrachloroethene (T)

10.549min (+0.037) 4.55ug/L m

response 213555

Ion	Exp%	Act%
163.90	100	100
128.95	103.30	97.99
130.95	104.80	90.89
165.90	130.60	124.32

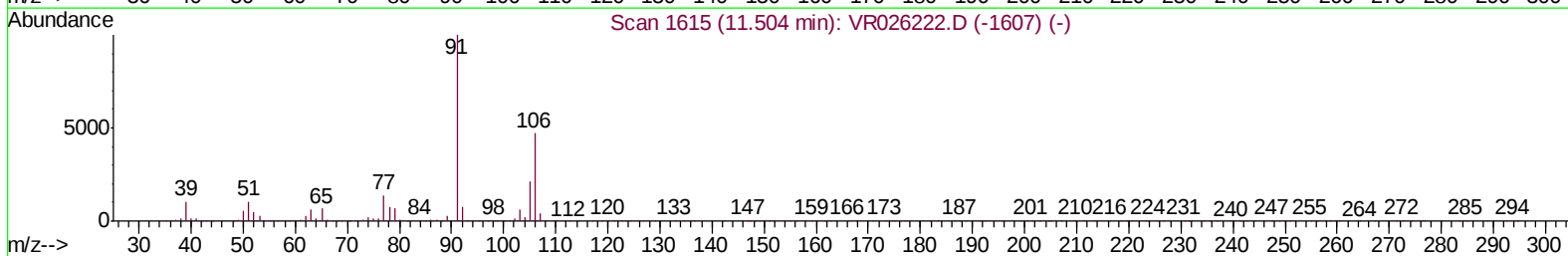
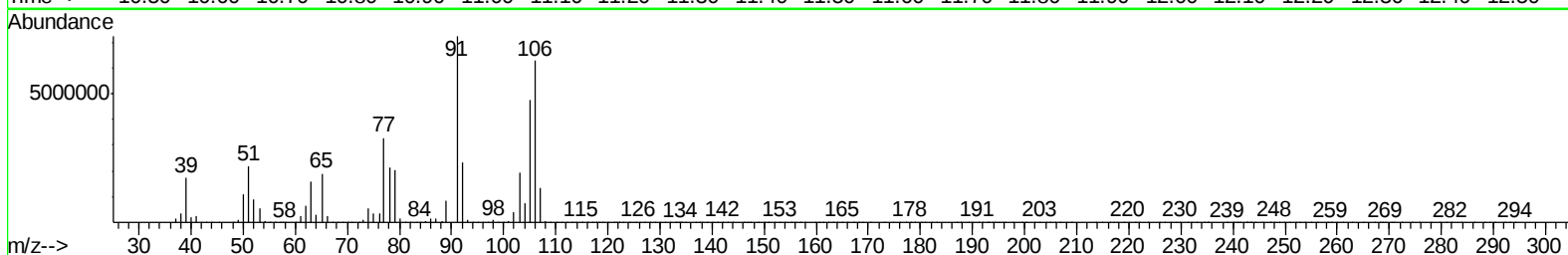
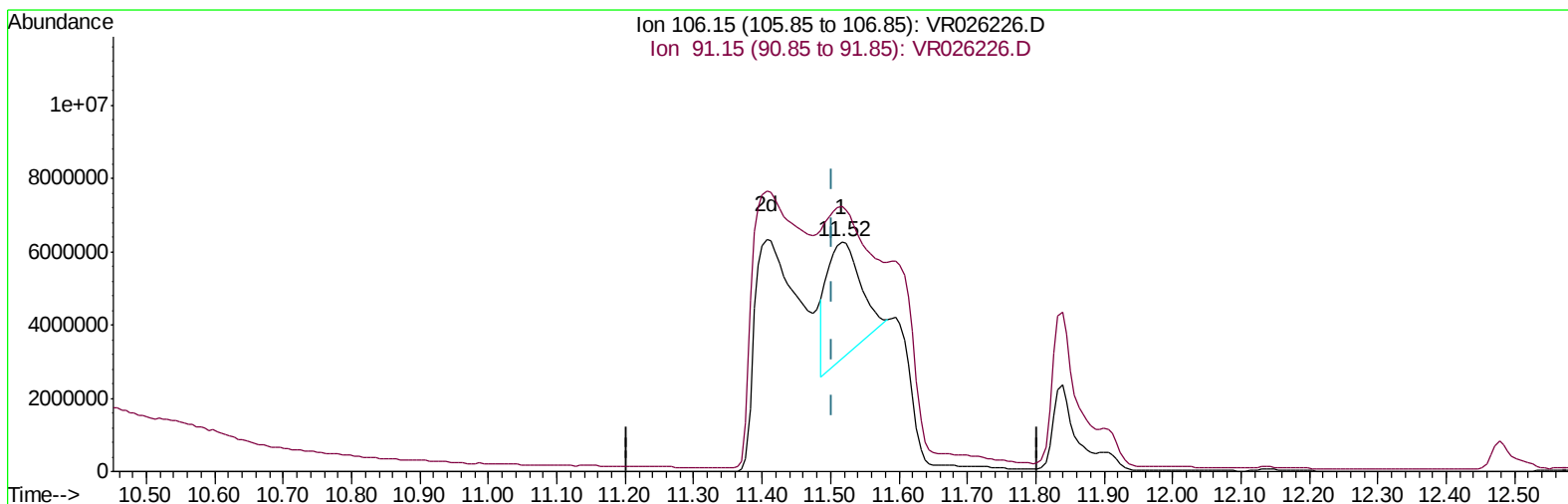
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Operator : SY/MD
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Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
E3YA7

Manual Integrations
APPROVED

MMDadoda
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Quant Time: Nov 20 05:34:58 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR110918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 04:16:20 2018
Response via : Initial Calibration



TIC: VR026226.D

(53) m,p-Xylene (T)
11.516min (+0.012) 94.00ug/L
response 10879727

Ion	Exp%	Act%
106.15	100	100
91.15	219.90	115.07#
0.00	0.00	0.00
0.00	0.00	0.00

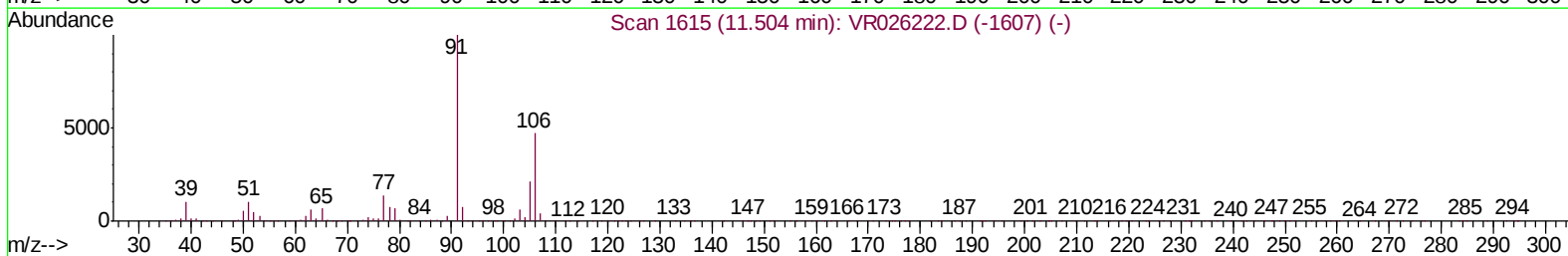
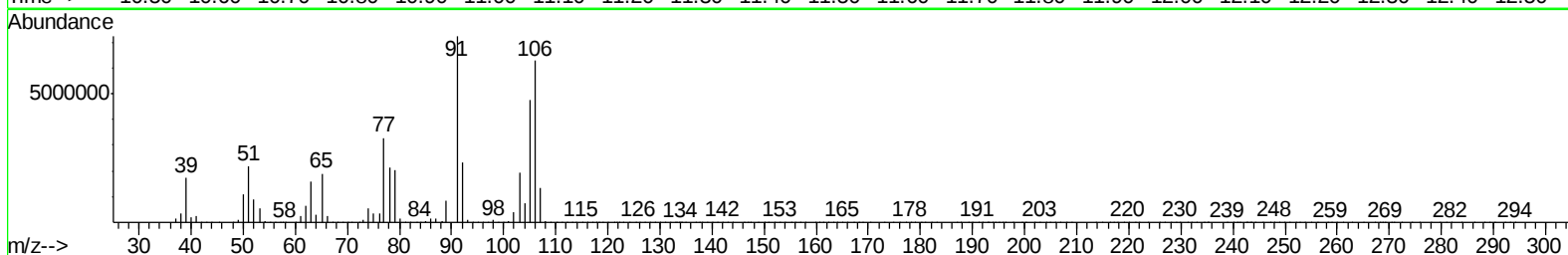
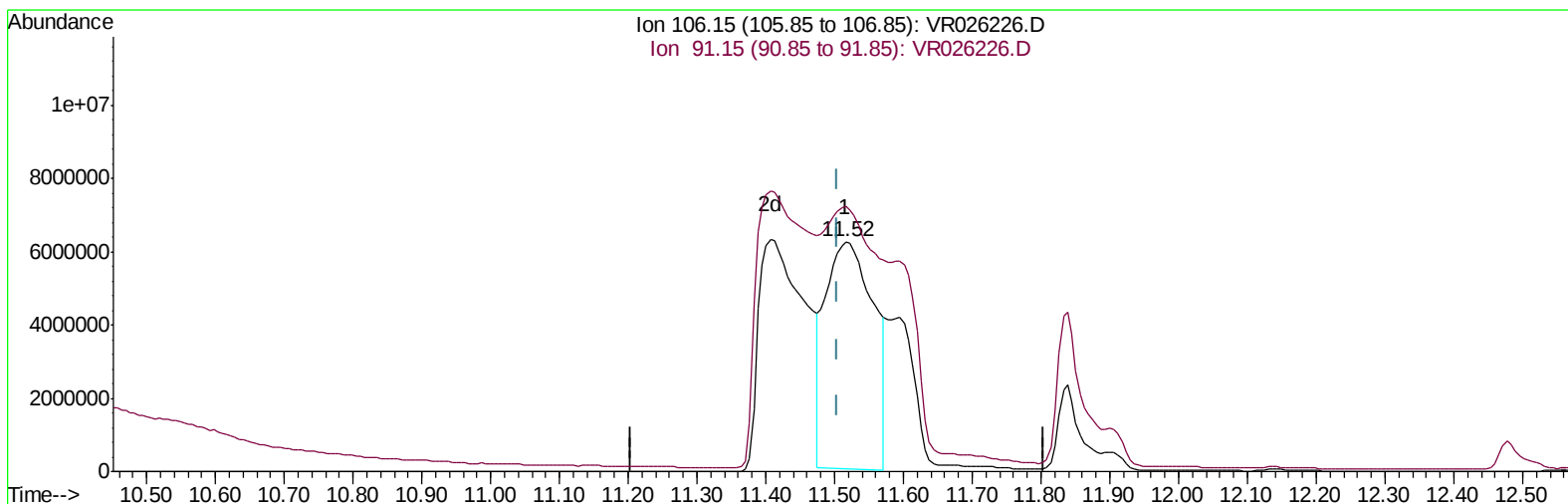
Data File : VR026226.D
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Operator : SY/MD
Sample : J5997-09
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
E3YA7

Manual Integrations
APPROVED

MMDadoda
11/26/2018 10:16:08 AM

Quant Time: Nov 20 05:34:58 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR110918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 04:16:20 2018
Response via : Initial Calibration



TIC: VR026226.D

(53) m,p-Xylene (T)

11.516min (+0.012) 261.90ug/L m

response 30313805

Ion	Exp%	Act%
106.15	100	100
91.15	219.90	115.07#
0.00	0.00	0.00
0.00	0.00	0.00

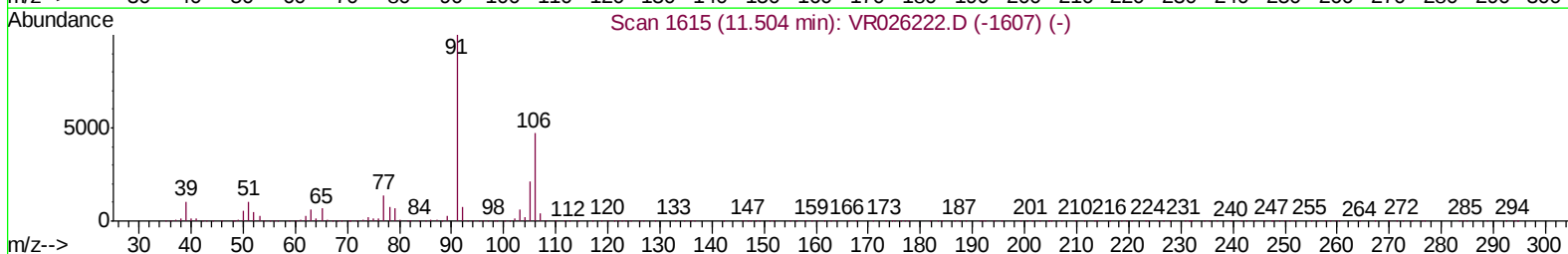
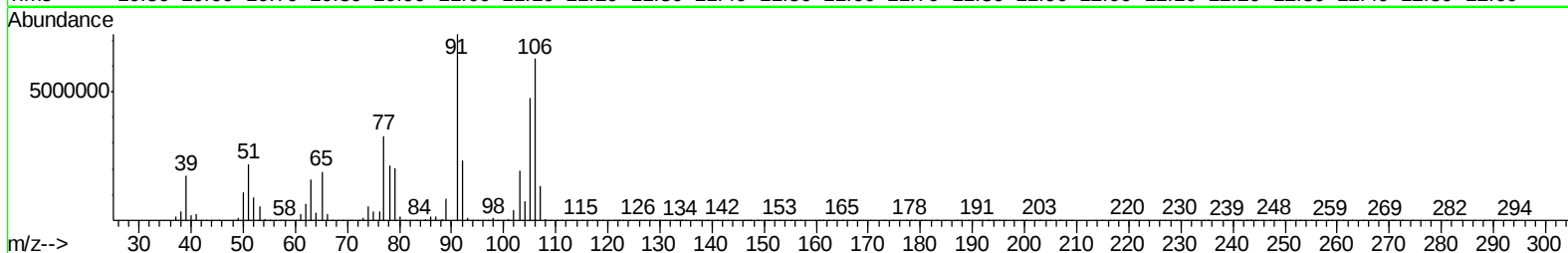
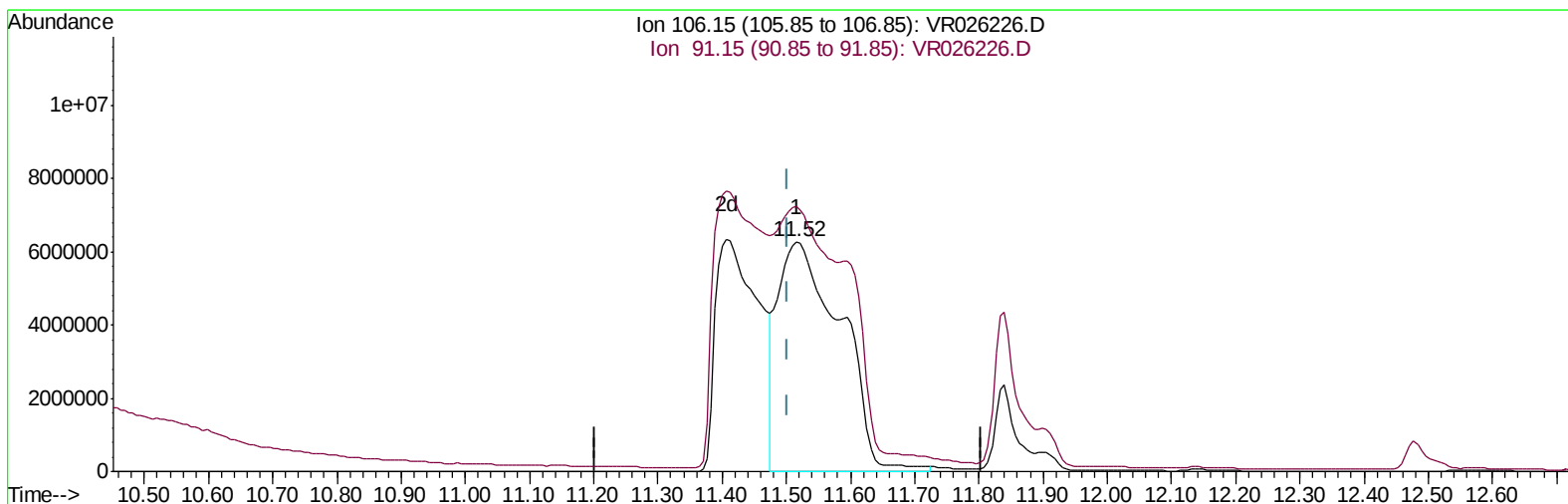
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Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
E3YA7

Manual Integrations
APPROVED

MMDadoda
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Quant Time: Nov 20 05:34:58 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR110918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 04:16:20 2018
Response via : Initial Calibration



TIC: VR026226.D

(53) m,p-Xylene (T)

11.516min (+0.012) 371.52ug/L m

response 43001625

Ion	Exp%	Act%
106.15	100	100
91.15	219.90	115.07#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VR026226.D
Acq On : 19 Nov 2018 17:51
Operator : SY/MD
Sample : J5997-09
Misc : 25mL/MSVOA_R/WATER
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Instrument :
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Manual Integrations
APPROVED

MMDadoda
11/26/2018 10:16:08 AM

Quant Time: Nov 20 05:37:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR110918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 04:16:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.47	114	643160	5.00	ug/L	0.01
28) Chlorobenzene-d5	11.30	117	747631m	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	326237	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	208299	4.39	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.80%
7) Chloroethane-d5	2.63	69	223359	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	3.64	63	402570	3.22	ug/L	0.03
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.40%
20) 2-Butanone-d5	6.60	46	298178	72.27	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	144.54%#
24) Chloroform-d	7.22	84	417326	4.95	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	7.91	65	163660m	4.89	ug/L	0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	7.87	84	820618	3.83	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.60%
36) 1,2-Dichloropropane-d6	8.92	67	288636	5.07	ug/L	0.02
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.40%
41) Toluene-d8	10.01	98	233619	1.18	ug/L	0.04
Spiked Amount	5.000	Range	70 - 130	Recovery	=	23.60%#
43) trans-1,3-Dichloropropene-	10.28	79	16155	1.13	ug/L	0.04
Spiked Amount	5.000	Range	55 - 130	Recovery	=	22.60%#
46) 2-Hexanone-d5	10.61	63	787378	189.56	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	379.12%#
57) 1,1,2,2-Tetrachloroethane-	12.37	84	104996	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.60%
64) 1,2-Dichlorobenzene-d4	13.52	152	242678	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

					Qvalue
13) Acetone	3.72	43	68213	15.641	ug/L 84
19) 1,1-Dichloroethane	5.76	63	102672	1.156	ug/L 94
22) cis-1,2-Dichloroethene	6.69	96	285220	6.650	ug/L # 98
29) 1,1,1-Trichloroethane	7.47	97	418798	4.184	ug/L 96
30) Cyclohexane	7.54	56	73831	0.842	ug/L 96
34) Trichloroethene	8.73	95	77729	1.131	ug/L 95
35) Methylcyclohexane	8.98	83	1090834	12.202	ug/L # 83
42) Toluene	10.23	91	194601656m	692.215	ug/L
44) trans-1,3-Dichloropropene	10.27	75	3596013m	84.251	ug/L
45) 1,1,2-Trichloroethane	10.45	97	1001770	41.002	ug/L # 21
47) Tetrachloroethene	10.55	164	213555m	4.547	ug/L
52) Ethylbenzene	11.41	91	39740079	124.626	ug/L # 5
53) m,p-Xylene	11.52	106	43001625m	371.522	ug/L
54) o-Xylene	11.84	106	6015489	56.952	ug/L 74
56) Isopropylbenzene	12.14	105	1907190	6.686	ug/L 98
65) 1,2-Dichlorobenzene	13.54	146	22900	0.276	ug/L 94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR111918\
Quantitation Report (QT Reviewed)

Data File : VR026226.D
Acq On : 19 Nov 2018 17:51
Operator : SY/MD
Sample : J5997-09
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
E3YA7

Manual Integrations
APPROVED

MMDadoda
11/26/2018 10:16:08 AM

Quant Time: Nov 20 05:37:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR110918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 04:16:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VR026226.D
Acq On : 19 Nov 2018 17:51
Operator : SY/MD
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MSVOA_R
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Manual Integrations
APPROVED

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