

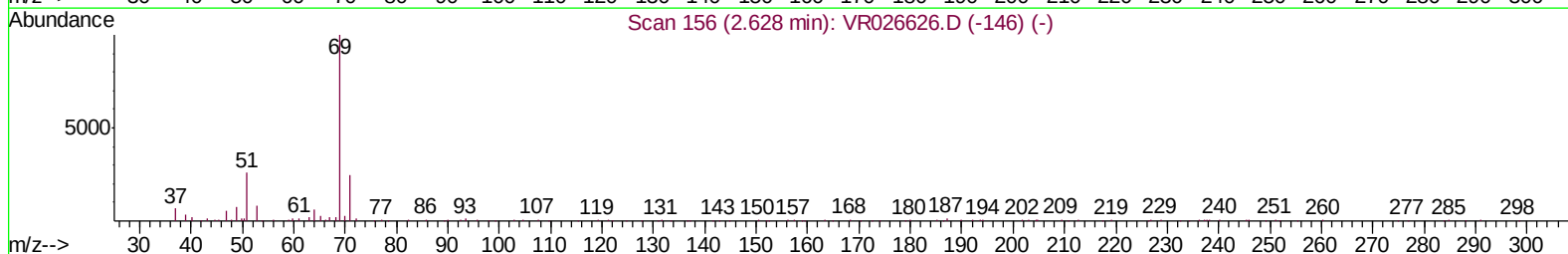
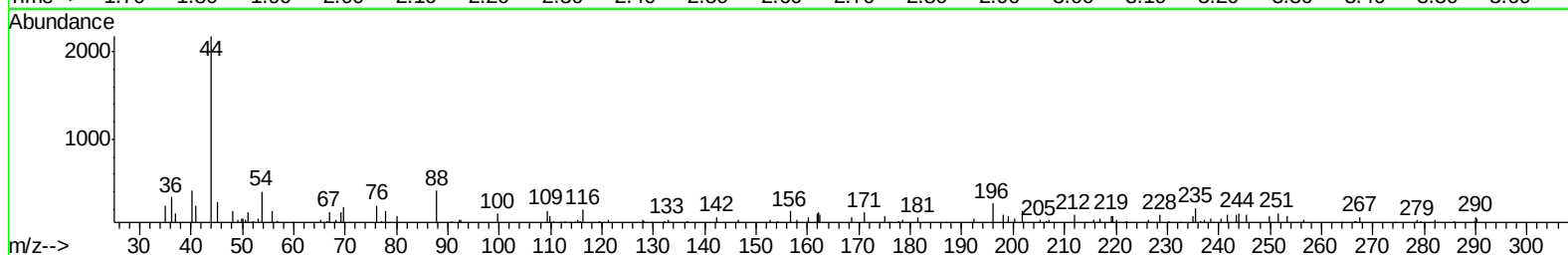
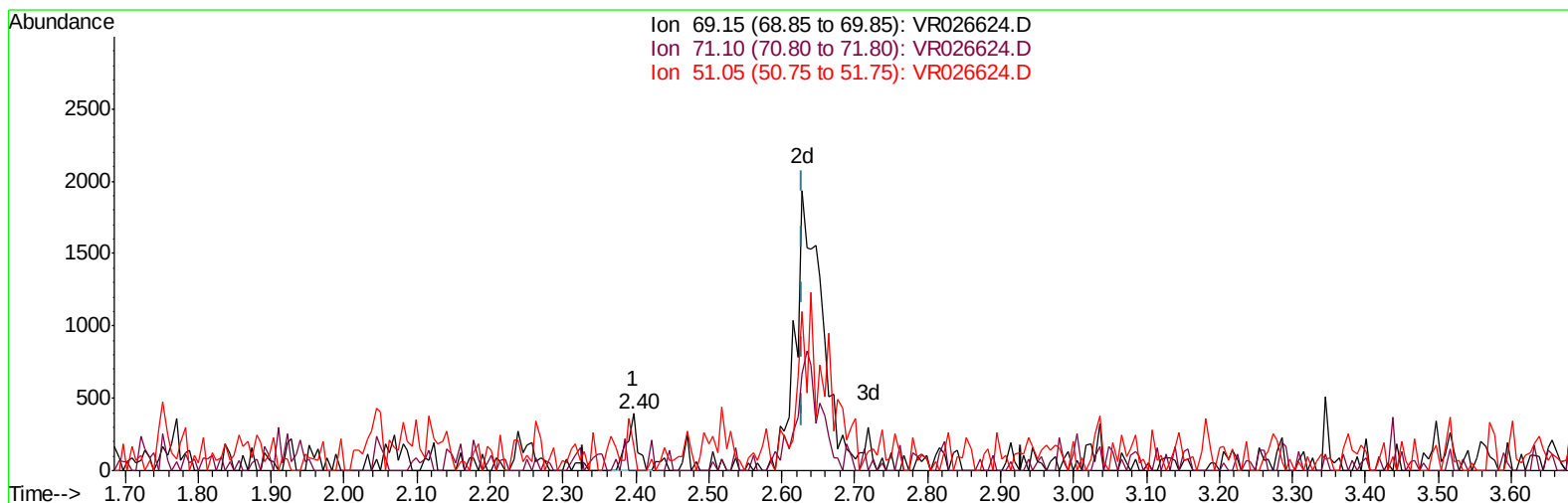
Data File : VR026624.D
Acq On : 12 Sep 2019 17:32
Operator : SY/MD
Sample : VSTD0.563
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.563

Manual Integrations
APPROVED

MMDadoda
9/16/2019 12:38:34 AM

Quant Time: Sep 13 04:58:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 13 04:55:35 2019
Response via : Initial Calibration



TIC: VR026624.D

(7) Chloroethane-d5 (S)

2.397min (-0.231) 0.05ug/L

response 394

Ion	Exp%	Act%
69.15	100	100
71.10	30.60	27.66
51.05	41.10	49.49
0.00	0.00	0.00

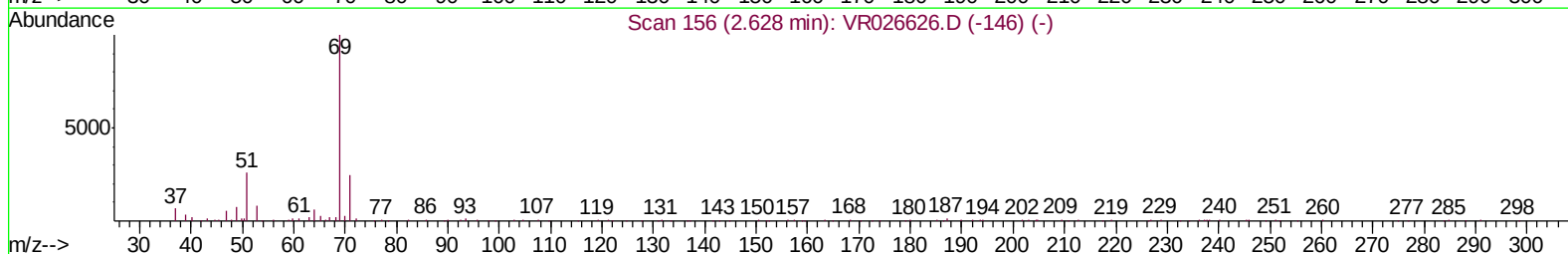
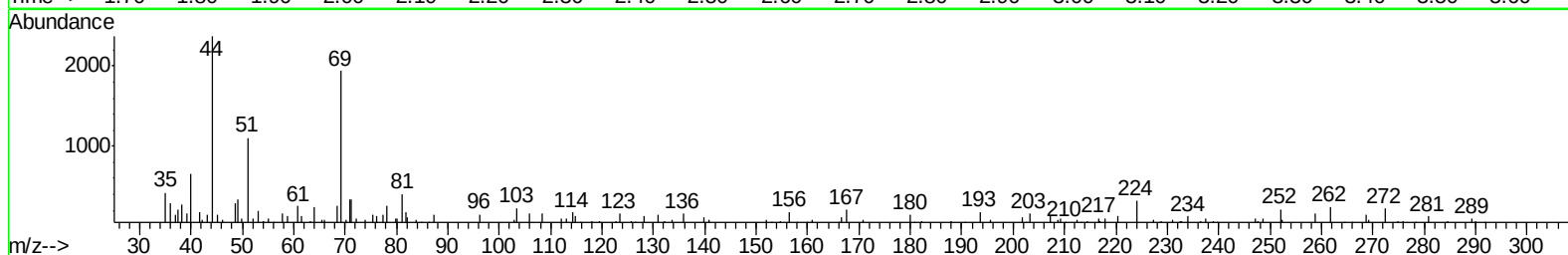
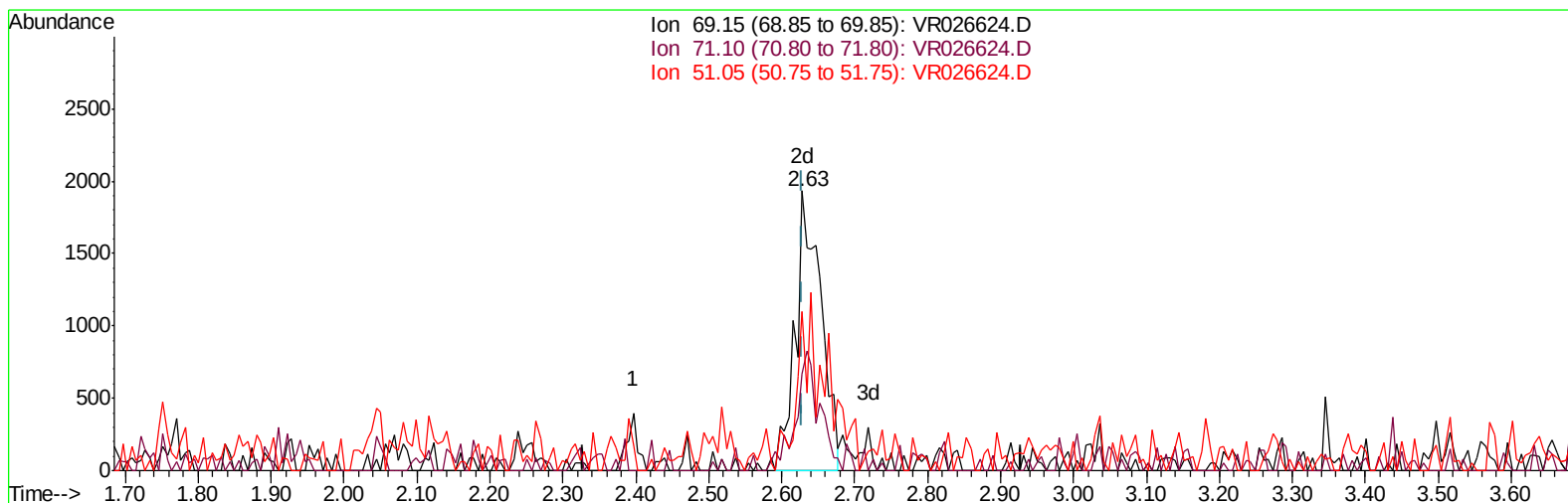
Data File : VR026624.D
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Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

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VSTD0.563

Manual Integrations
APPROVED

MMDadoda
9/16/2019 12:38:34 AM

Quant Time: Sep 13 04:58:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 13 04:55:35 2019
Response via : Initial Calibration



TIC: VR026624.D

(7) Chloroethane-d5 (S)

2.628min (-0.000) 0.54ug/L m

response 4660

Ion	Exp%	Act%
69.15	100	100
71.10	30.60	2.34#
51.05	41.10	4.18#
0.00	0.00	0.00

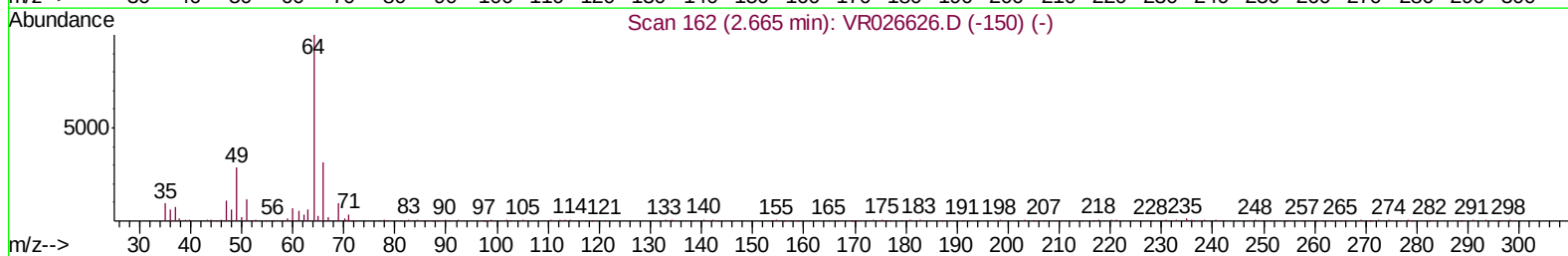
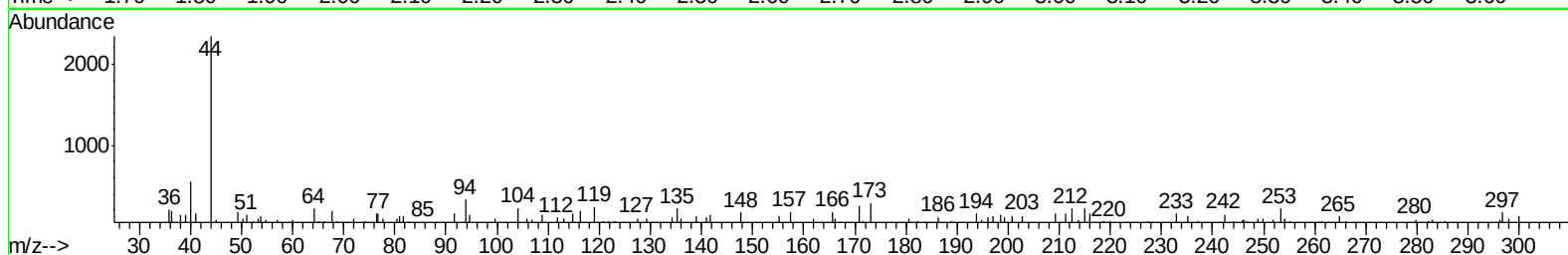
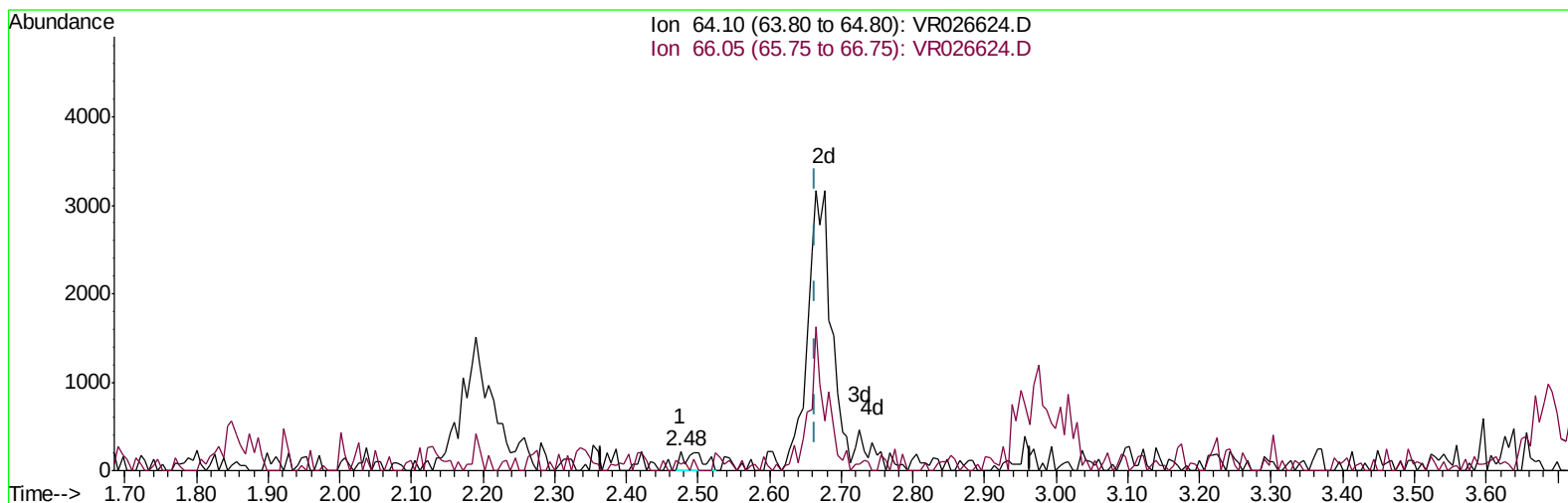
Data File : VR026624.D
Acq On : 12 Sep 2019 17:32
Operator : SY/MD
Sample : VSTD0.563
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VSTD0.563

Manual Integrations
APPROVED

MMDadoda
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Quant Time: Sep 13 04:58:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 13 04:55:35 2019
Response via : Initial Calibration



TIC: VR026624.D

(8) Chloroethane (T)

2.476min (-0.189) 0.04ug/L

response 429

Ion	Exp%	Act%
64.10	100	100
66.05	31.80	24.55
0.00	0.00	0.00
0.00	0.00	0.00

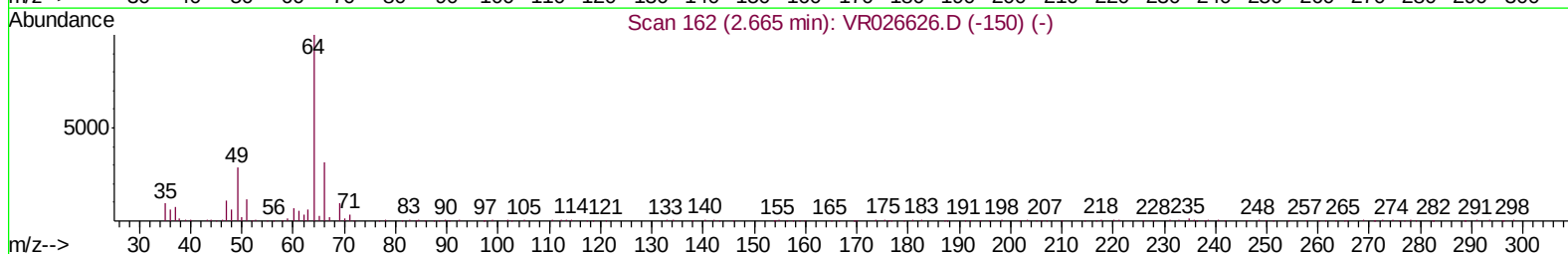
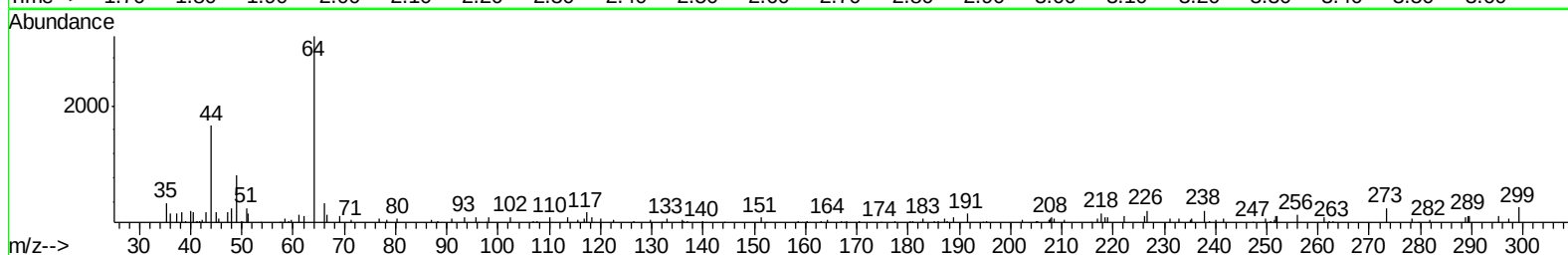
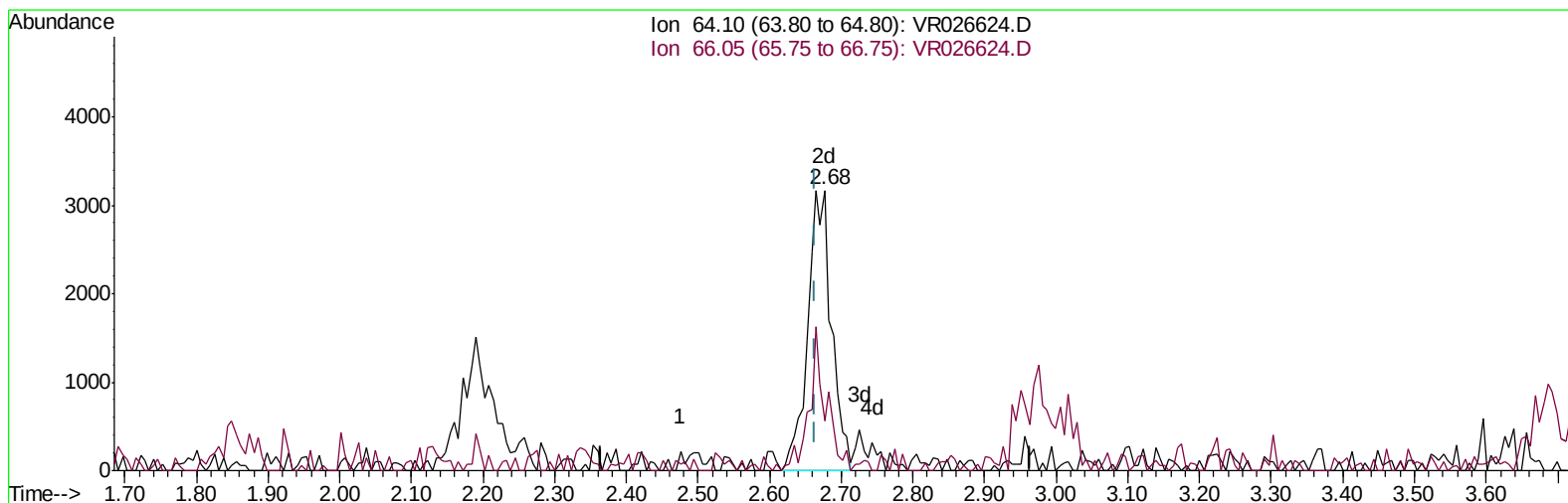
Data File : VR026624.D
Acq On : 12 Sep 2019 17:32
Operator : SY/MD
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Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VSTD0.563

Manual Integrations
APPROVED

MMDadoda
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Quant Time: Sep 13 04:58:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 13 04:55:35 2019
Response via : Initial Calibration



TIC: VR026624.D

(8) Chloroethane (T)

2.677min (+0.012) 0.68ug/L m

response 7313

Ion	Exp%	Act%
64.10	100	100
66.05	31.80	11.91#
0.00	0.00	0.00
0.00	0.00	0.00

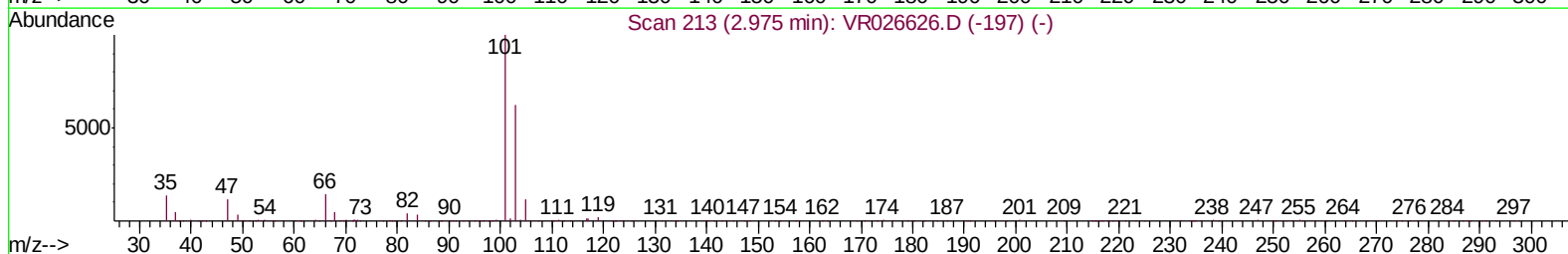
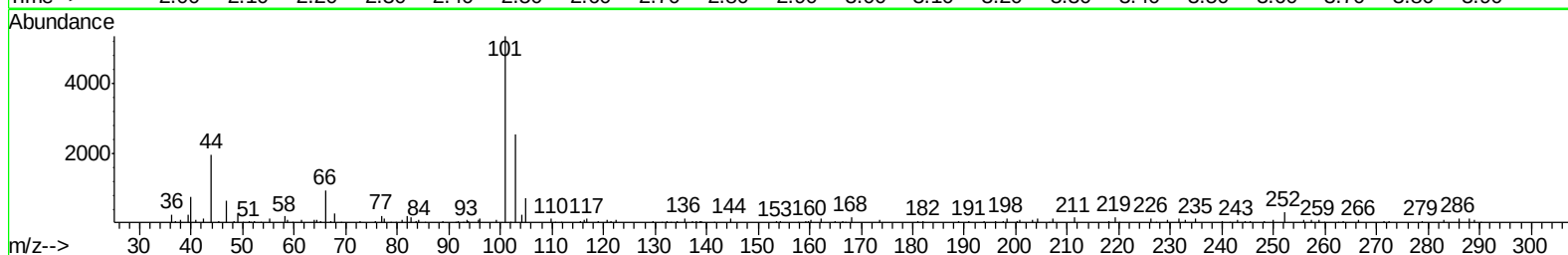
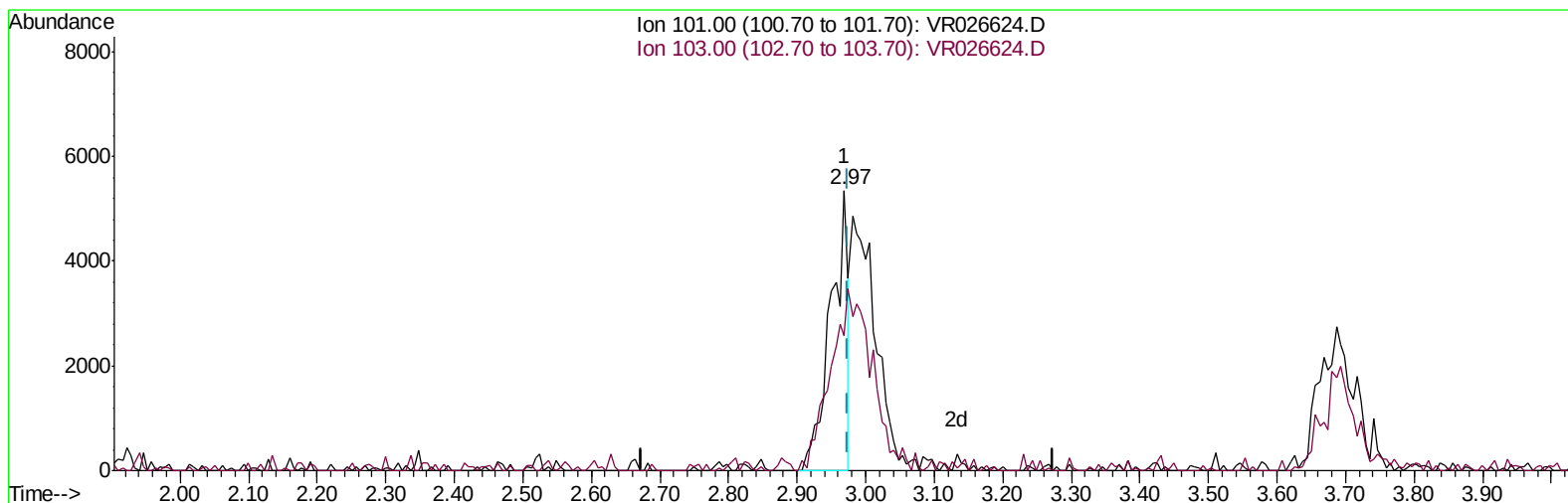
Data File : VR026624.D
Acq On : 12 Sep 2019 17:32
Operator : SY/MD
Sample : VSTD0.563
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VSTD0.563

Manual Integrations
APPROVED

MMDadoda
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Quant Time: Sep 13 04:58:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 13 04:55:35 2019
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TIC: VR026624.D

(9) Trichlorofluoromethane (T)

2.969min (-0.006) 0.33ug/L

response 9563

Ion	Exp%	Act%
101.00	100	100
103.00	63.60	151.81#
0.00	0.00	0.00
0.00	0.00	0.00

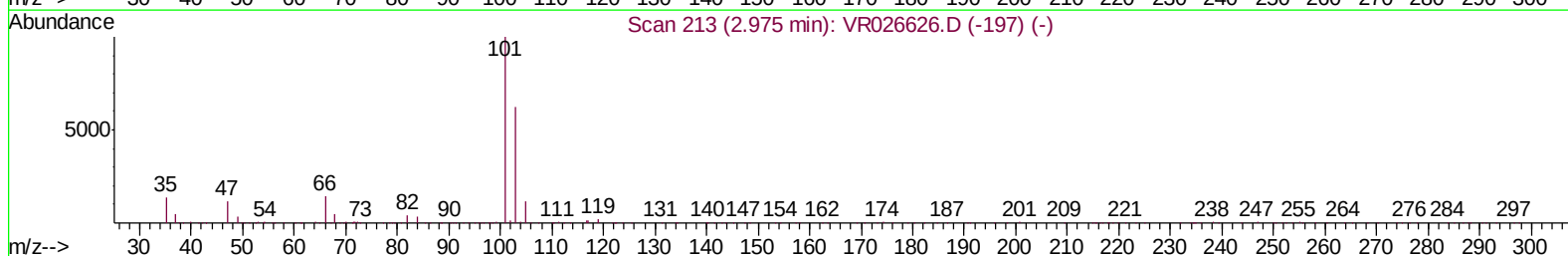
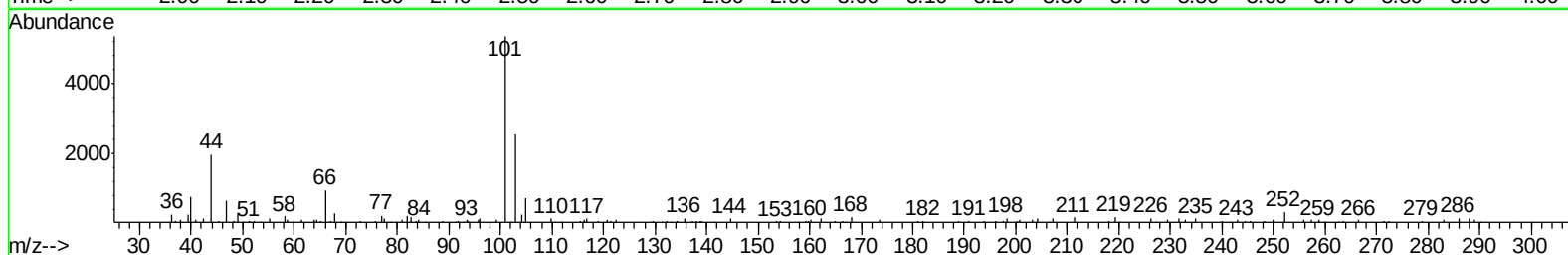
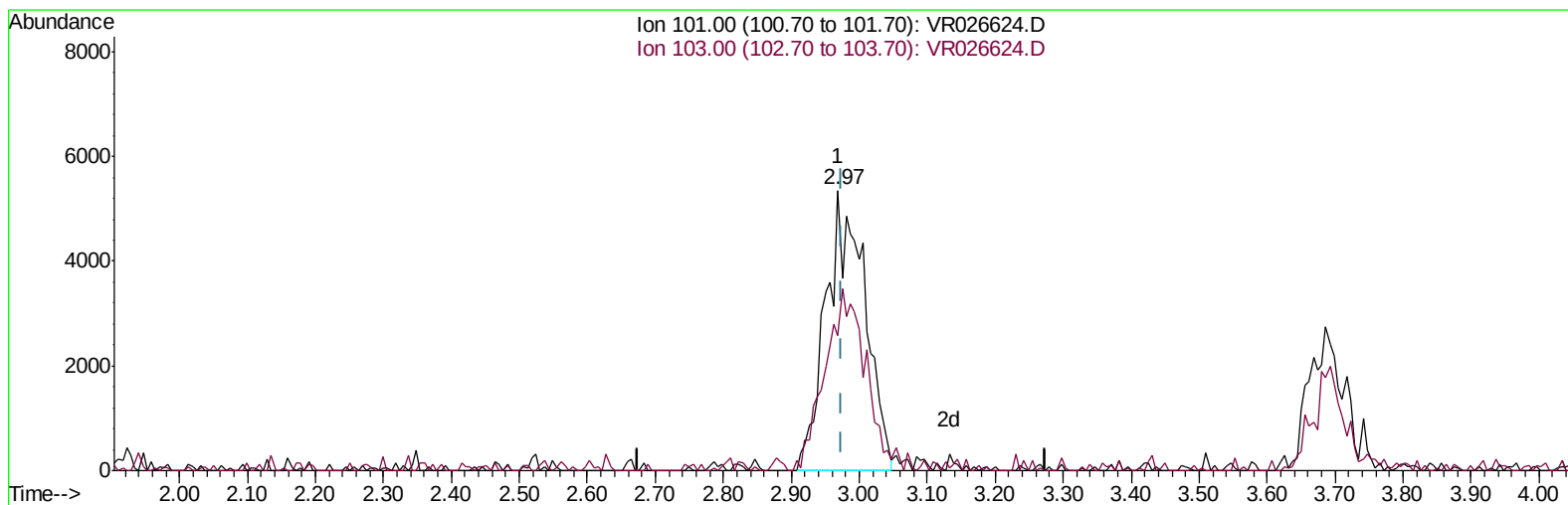
Data File : VR026624.D
Acq On : 12 Sep 2019 17:32
Operator : SY/MD
Sample : VSTD0.563
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.563

Manual Integrations
APPROVED

MMDadoda
9/16/2019 12:38:34 AM

Quant Time: Sep 13 04:58:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 13 04:55:35 2019
Response via : Initial Calibration



TIC: VR026624.D

(9) Trichlorofluoromethane (T)

2.969min (-0.006) 0.72ug/L m

response 21303

Ion	Exp%	Act%
101.00	100	100
103.00	63.60	68.15
0.00	0.00	0.00
0.00	0.00	0.00

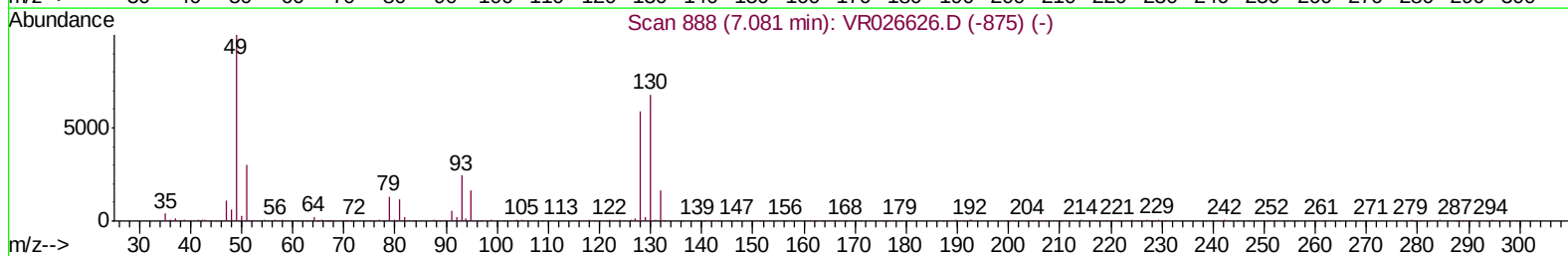
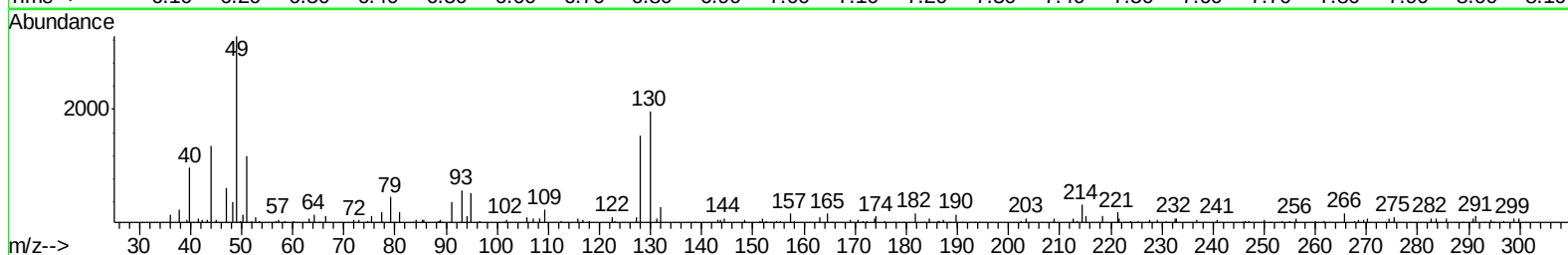
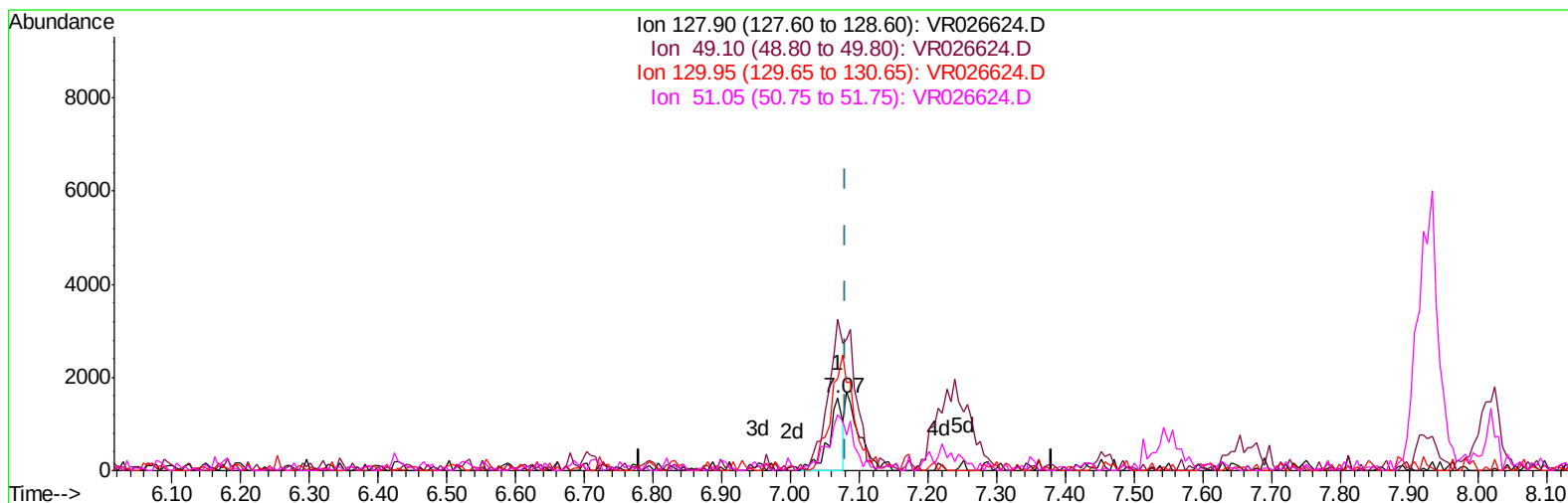
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Acq On : 12 Sep 2019 17:32
Operator : SY/MD
Sample : VSTD0.563
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VSTD0.563

Manual Integrations
APPROVED

MMDadoda
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Quant Time: Sep 13 04:58:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 13 04:55:35 2019
Response via : Initial Calibration



TIC: VR026624.D

(23) Bromochloromethane (T)

7.069min (-0.012) 0.28ug/L

response 2152

Ion	Exp%	Act%
127.90	100	100
49.10	169.50	214.91
129.95	115.10	126.92
51.05	51.90	77.02#

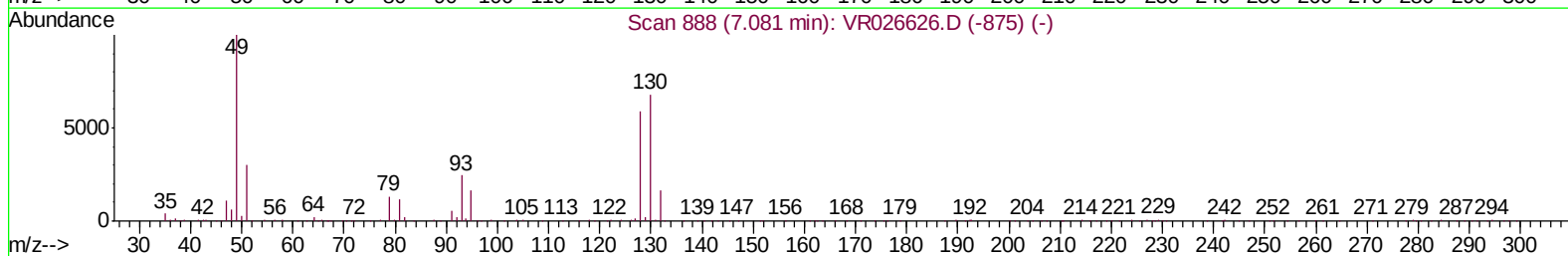
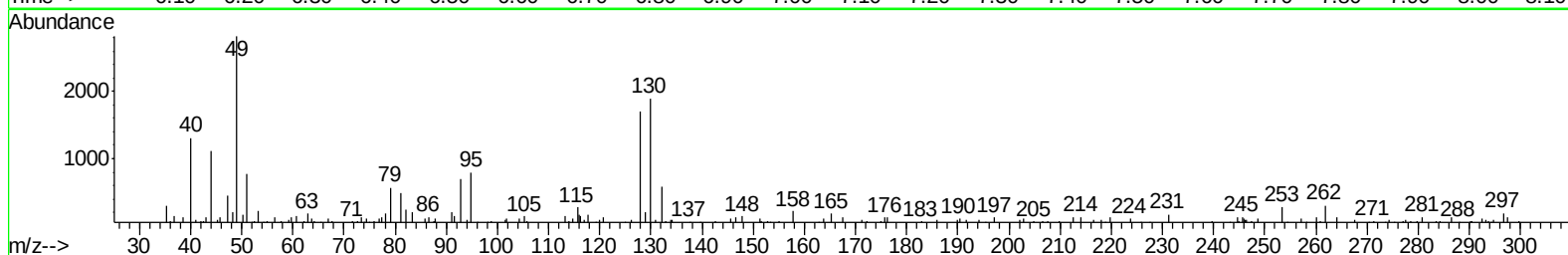
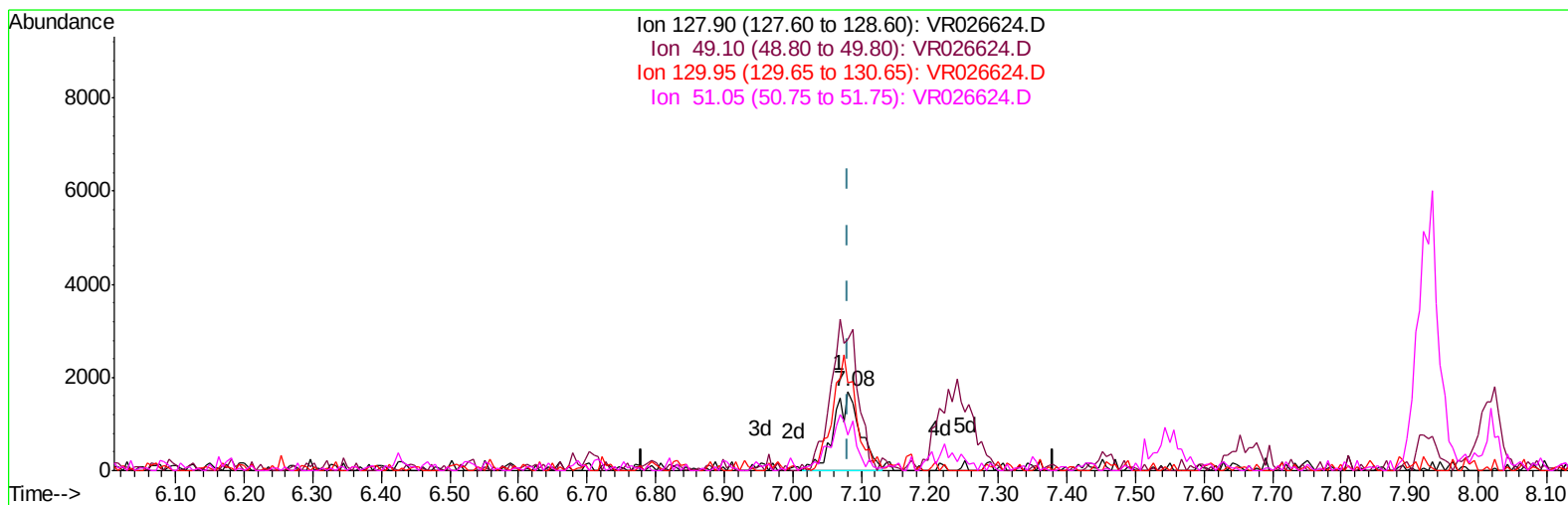
Data File : VR026624.D
Acq On : 12 Sep 2019 17:32
Operator : SY/MD
Sample : VSTD0.563
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.563

Manual Integrations
APPROVED

MMDadoda
9/16/2019 12:38:34 AM

Quant Time: Sep 13 04:58:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 13 04:55:35 2019
Response via : Initial Calibration



TIC: VR026624.D

(23) Bromochloromethane (T)

7.081min (-0.000) 0.60ug/L m

response 4570

Ion	Exp%	Act%
127.90	100	100
49.10	169.50	166.18
129.95	115.10	111.73
51.05	51.90	45.49

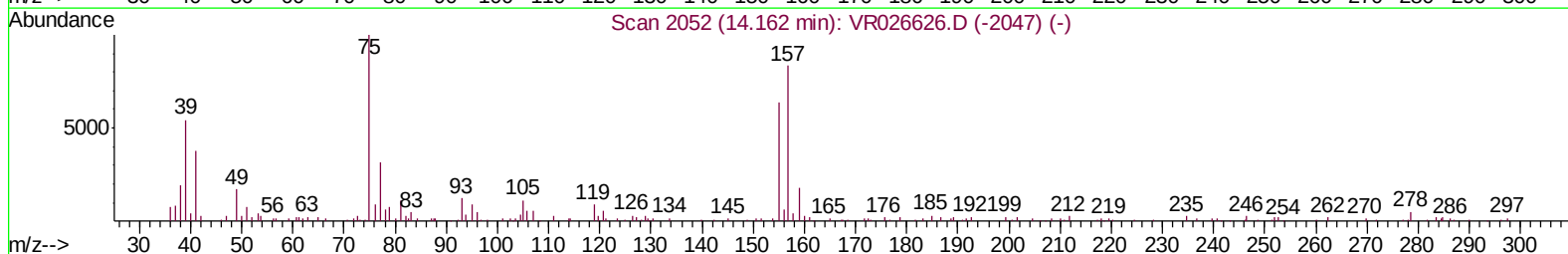
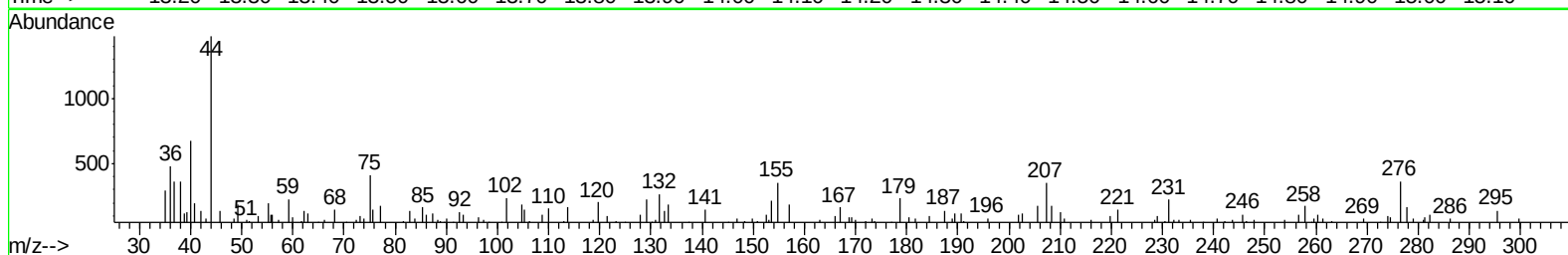
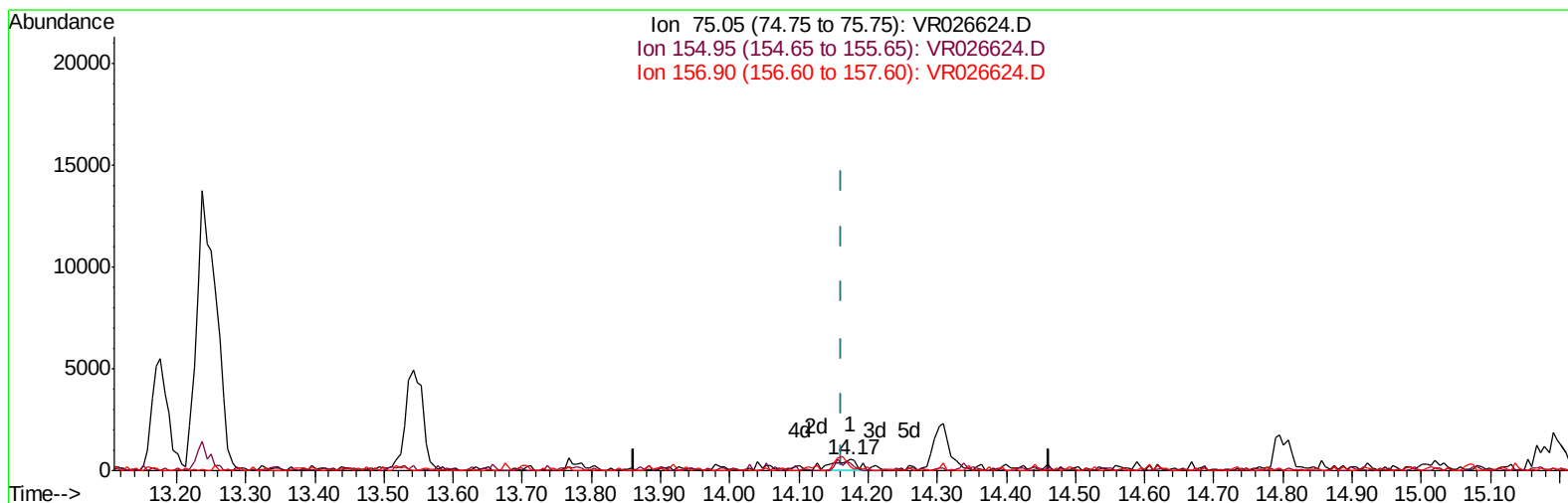
Data File : VR026624.D
Acq On : 12 Sep 2019 17:32
Operator : SY/MD
Sample : VSTD0.563
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.563

Manual Integrations
APPROVED

MMDadoda
9/16/2019 12:38:34 AM

Quant Time: Sep 13 04:58:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 13 04:55:35 2019
Response via : Initial Calibration



TIC: VR026624.D

(66) 1,2-Dibromo-3-chloropropane (T)

14.175min (+0.012) 0.74ug/L

response 1330

Ion	Exp%	Act%
75.05	100	100
154.95	61.80	63.86
156.90	81.50	33.99#
0.00	0.00	0.00

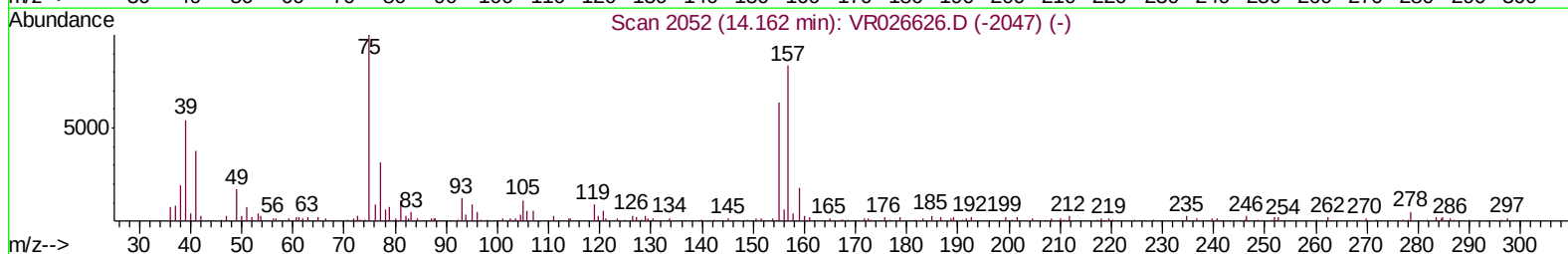
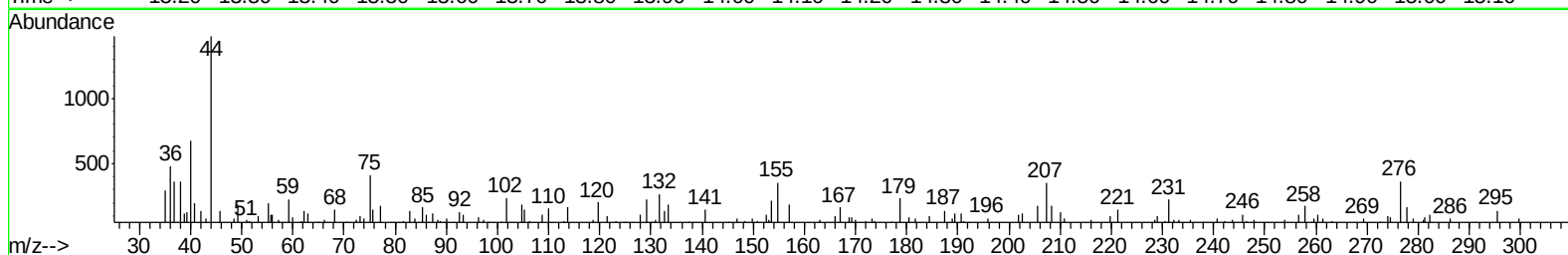
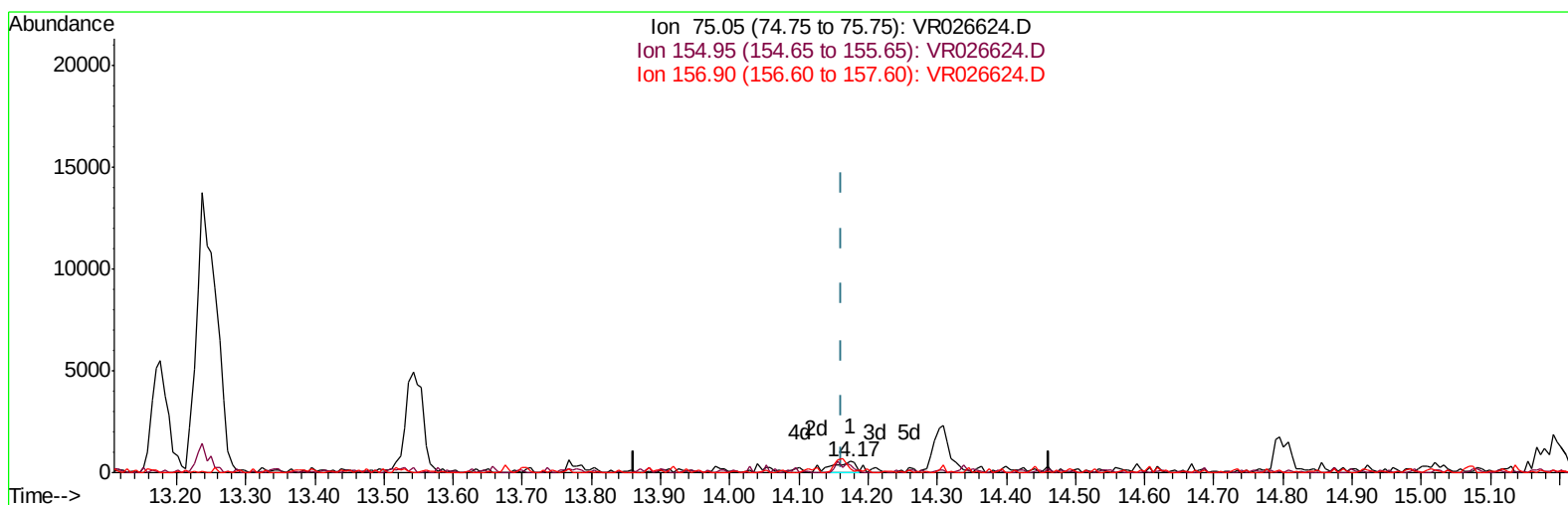
Data File : VR026624.D
Acq On : 12 Sep 2019 17:32
Operator : SY/MD
Sample : VSTD0.563
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VSTD0.563

Manual Integrations
APPROVED

MMDadoda
9/16/2019 12:38:34 AM

Quant Time: Sep 13 04:58:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 13 04:55:35 2019
Response via : Initial Calibration



TIC: VR026624.D

(66) 1,2-Dibromo-3-chloropropane (T)

14.175min (+0.012) 0.67ug/L m

response 1200

Ion	Exp%	Act%
75.05	100	100
154.95	61.80	86.23#
156.90	81.50	45.89#
0.00	0.00	0.00

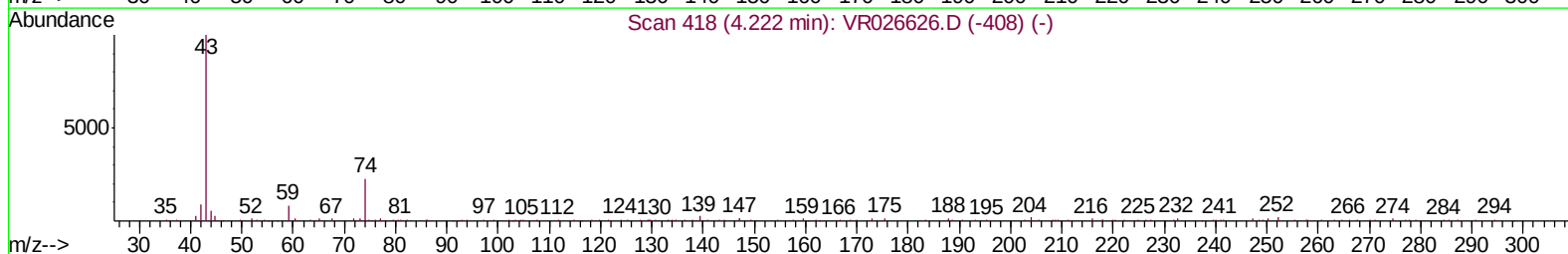
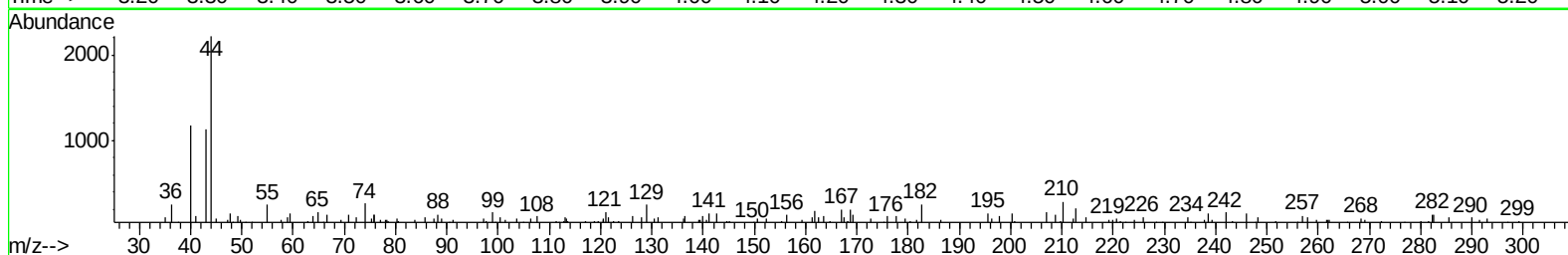
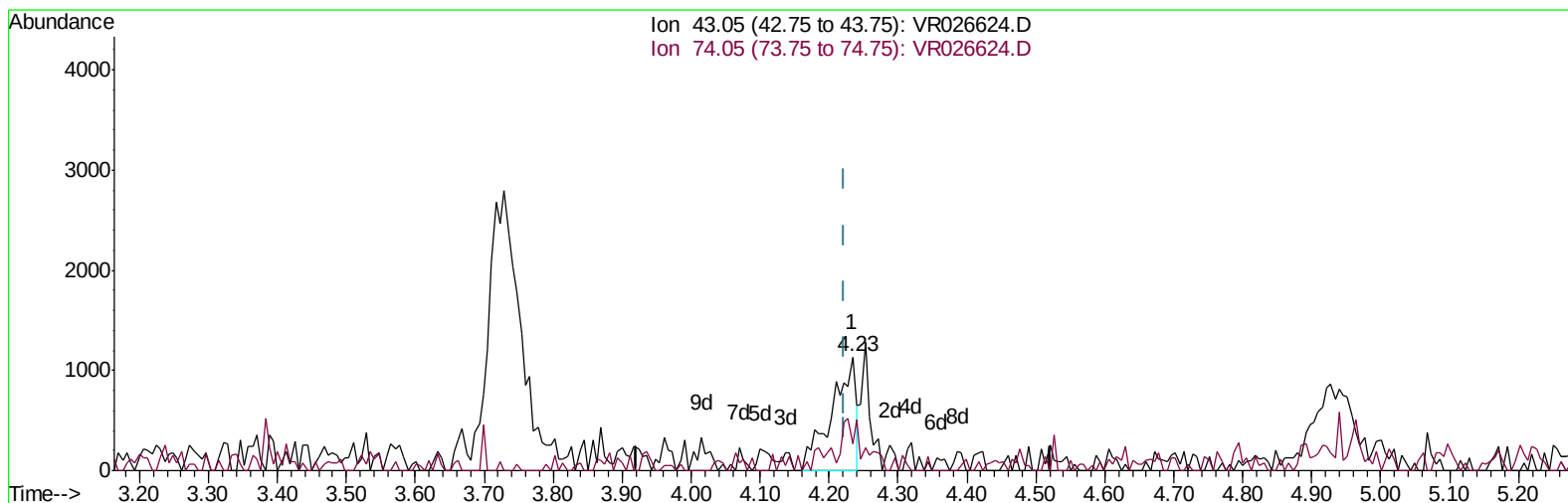
Data File : VR026624.D
Acq On : 12 Sep 2019 17:32
Operator : SY/MD
Sample : VSTD0.563
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.563

Manual Integrations
APPROVED

MMDadoda
9/16/2019 12:38:34 AM

Quant Time: Sep 13 05:05:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 13 04:55:35 2019
Response via : Initial Calibration



TIC: VR026624.D

(15) Methyl Acetate (T)

4.234min (+0.012) 0.45ug/L

response 2769

Ion	Exp%	Act%
43.05	100	100
74.05	21.90	38.75#
0.00	0.00	0.00
0.00	0.00	0.00

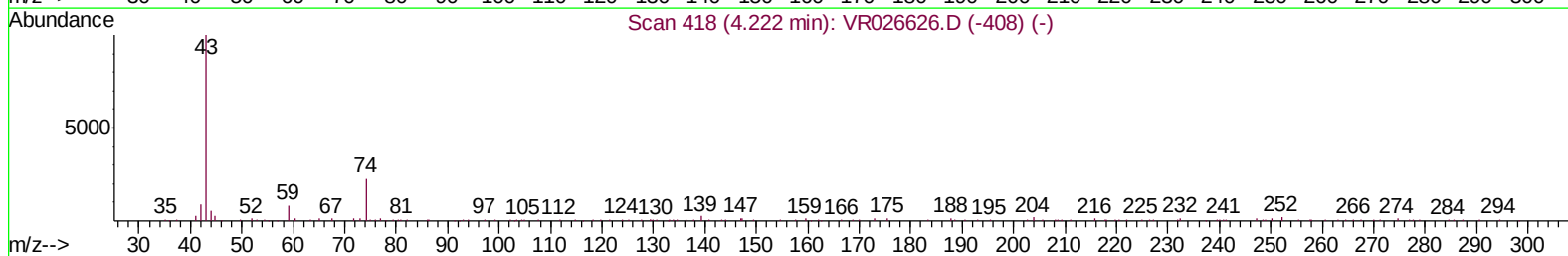
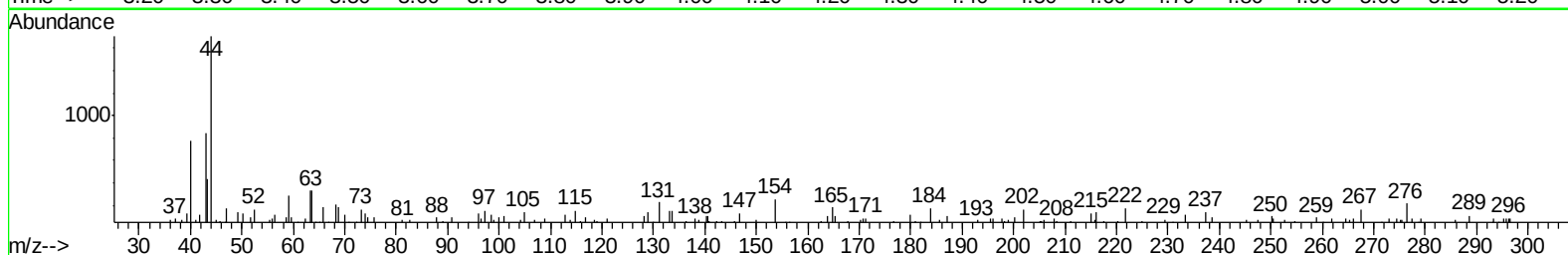
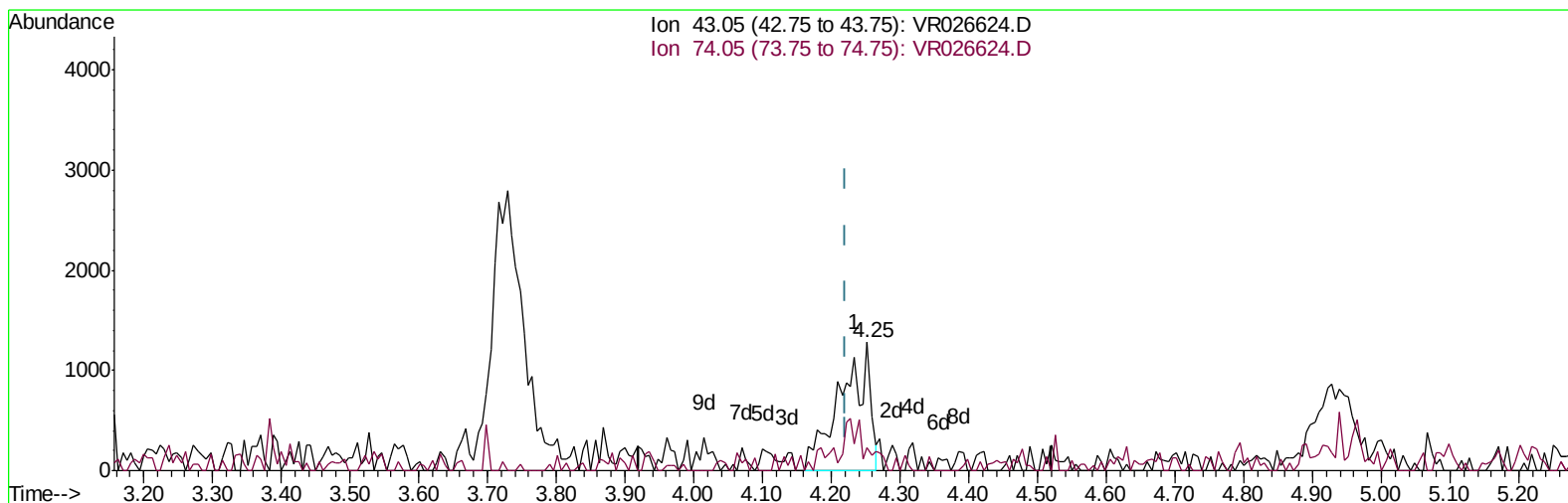
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Acq On : 12 Sep 2019 17:32
Operator : SY/MD
Sample : VSTD0.563
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.563

Manual Integrations
APPROVED

MMDadoda
9/16/2019 12:38:34 AM

Quant Time: Sep 13 05:05:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 13 04:55:35 2019
Response via : Initial Calibration



TIC: VR026624.D

(15) Methyl Acetate (T)

4.252min (+0.030) 0.61ug/L m

response 3762

Ion	Exp%	Act%
43.05	100	100
74.05	21.90	28.52#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VR026624.D
Acq On : 12 Sep 2019 17:32
Operator : SY/MD
Sample : VSTD0.563
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.563

Manual Integrations
APPROVED

MMDadoda
9/16/2019 12:38:34 AM

Quant Time: Sep 13 05:08:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 13 04:55:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.48	114	335094	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.30	117	269895	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.24	152	125159	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.18	65	6283	0.63	ug/L	0.00
7) Chloroethane-d5	2.63	69	4660m	0.54	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.63	63	15390	0.63	ug/L	-0.01
20) 2-Butanone-d5	6.62	46	9801	4.44	ug/L	0.00
24) Chloroform-d	7.21	84	22953	0.64	ug/L	-0.01
26) 1,2-Dichloroethane-d4	7.91	65	6845	0.60	ug/L	0.00
32) Benzene-d6	7.87	84	38514	0.51	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.91	67	9057	0.45	ug/L	0.00
41) Toluene-d8	9.99	98	25196	0.44	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.25	79	1995	0.41	ug/L	0.00
46) 2-Hexanone-d5	10.60	63	4435	3.00	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.38	84	5255	0.54	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.54	152	10059	0.62	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.86	85	22420	0.665 ug/L	95
3) Chloromethane	2.05	50	12518	0.625 ug/L	92
5) Vinyl chloride	2.20	62	12321	0.649 ug/L	100
6) Bromomethane	2.54	94	7891	0.724 ug/L	91
8) Chloroethane	2.68	64	7313m	0.681 ug/L	
9) Trichlorofluoromethane	2.97	101	21303m	0.724 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	9153	0.716 ug/L	89
12) 1,1-Dichloroethene	3.65	96	9465	0.716 ug/L	87
13) Acetone	3.73	43	8874	6.402 ug/L	90
14) Carbon disulfide	3.97	76	31118	0.613 ug/L #	90
15) Methyl Acetate	4.25	43	3762m	0.614 ug/L	
16) Methylene chloride	4.43	84	20880	0.752 ug/L	96
17) Methyl tert-butyl Ether	4.93	73	15372	0.465 ug/L #	88
18) trans-1,2-Dichloroethene	4.92	96	18260	0.640 ug/L	94
19) 1,1-Dichloroethane	5.72	63	34204	0.629 ug/L	95
21) 2-Butanone	6.72	43	13053	4.588 ug/L	96
22) cis-1,2-Dichloroethene	6.70	96	15529	0.552 ug/L #	72
23) Bromochloromethane	7.08	128	4570m	0.602 ug/L	
25) Chloroform	7.25	83	36456	0.731 ug/L	85
27) 1,2-Dichloroethane	8.01	62	10774	0.593 ug/L #	94
29) 1,1,1-Trichloroethane	7.45	97	25657	0.619 ug/L	98
30) Cyclohexane	7.54	56	22770	0.473 ug/L	91
31) Carbon tetrachloride	7.67	117	21250	0.619 ug/L	99
33) Benzene	7.93	78	65893	0.550 ug/L	100
34) Trichloroethene	8.73	95	16130	0.543 ug/L	89
35) Methylcyclohexane	8.97	83	22846	0.510 ug/L	94
37) 1,2-Dichloropropane	9.02	63	13234	0.553 ug/L	99
38) Bromodichloromethane	9.30	83	13411	0.542 ug/L	83
39) cis-1,3-Dichloropropene	9.73	75	12138	0.467 ug/L	84
40) 4-Methyl-2-pentanone	9.89	43	24511	3.647 ug/L	99

Data File : VR026624.D
Acq On : 12 Sep 2019 17:32
Operator : SY/MD
Sample : VSTD0.563
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.563

Manual Integrations
APPROVED

MMDadoda
9/16/2019 12:38:34 AM

Quant Time: Sep 13 05:08:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 13 04:55:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.05	91	51412	0.479	ug/L	98
44) trans-1,3-Dichloropropene	10.28	75	8033	0.499	ug/L	85
45) 1,1,2-Trichloroethane	10.46	97	5576	0.556	ug/L	92
47) Tetrachloroethene	10.53	164	10326	0.617	ug/L	89
48) 2-Hexanone	10.65	43	17966	4.420	ug/L	93
49) Dibromochloromethane	10.80	129	5926	0.561	ug/L	76
50) 1,2-Dibromoethane	10.91	107	5226	0.621	ug/L	89
51) Chlorobenzene	11.33	112	34334	0.591	ug/L	100
52) Ethylbenzene	11.41	91	61362	0.520	ug/L	94
53) m,p-Xylene	11.52	106	21479	0.498	ug/L	94
54) o-Xylene	11.84	106	21924	0.520	ug/L	82
55) Styrene	11.86	104	31043	0.530	ug/L	86
56) Isopropylbenzene	12.15	105	59228	0.506	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.40	83	6416	0.563	ug/L #	93
59) 1,2,3-Trichloropropane	12.45	75	5325	0.638	ug/L	95
61) Bromoform	12.03	173	2436	0.534	ug/L #	92
62) 1,3-Dichlorobenzene	13.18	146	25282	0.593	ug/L	93
63) 1,4-Dichlorobenzene	13.26	146	27330	0.667	ug/L	93
65) 1,2-Dichlorobenzene	13.55	146	21996	0.622	ug/L	90
66) 1,2-Dibromo-3-chloropropan	14.17	75	1200m	0.672	ug/L	
67) 1,3,5-Trichlorobenzene	14.31	180	19252	0.561	ug/L	95
68) 1,2,4-trichlorobenzene	14.81	180	12082	0.482	ug/L	97
69) Naphthalene	15.02	128	12563	0.362	ug/L	96
70) 1,2,3-Trichlorobenzene	15.20	180	11256	0.538	ug/L	97

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

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Manual Integrations
APPROVED

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