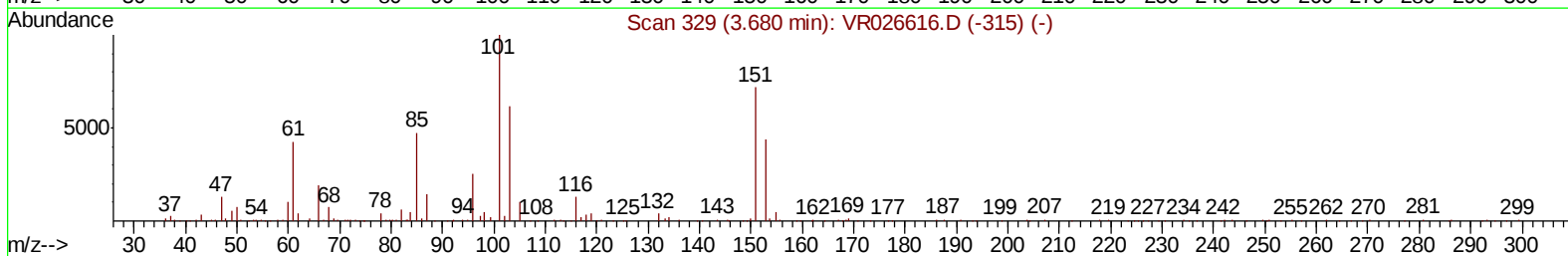
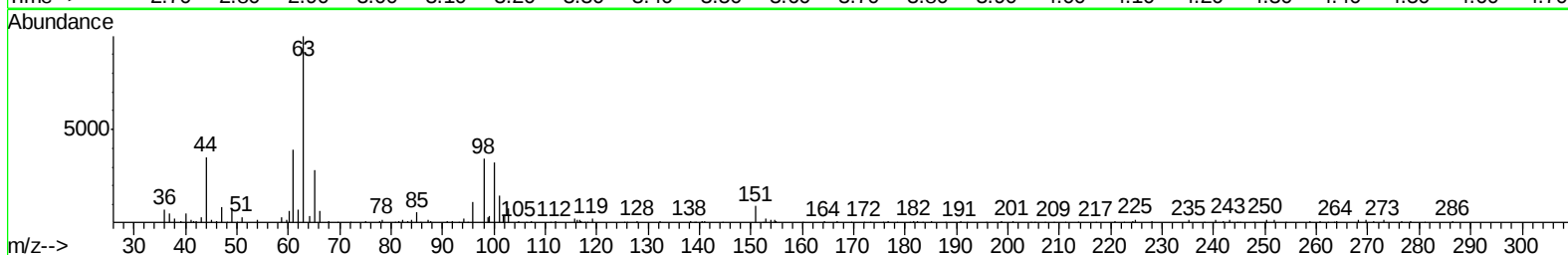
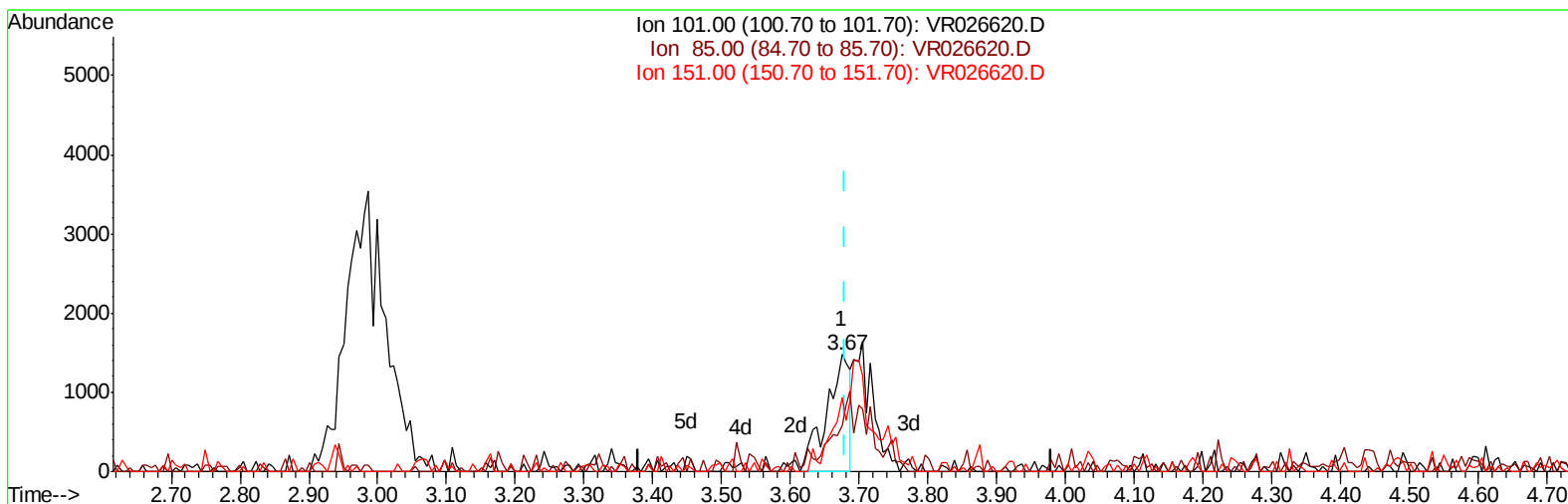


Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR091119\
Data File : VR026620.D
Acq On : 11 Sep 2019 14:15
Operator : SY/MD
Sample : MDL03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 08:54:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091019WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 12 08:46:28 2019
Response via : Initial Calibration



TIC: VR026620.D

(10) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

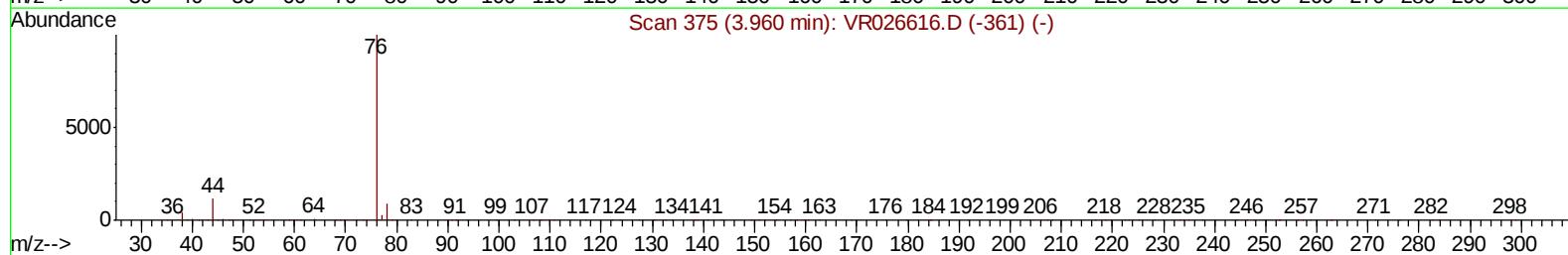
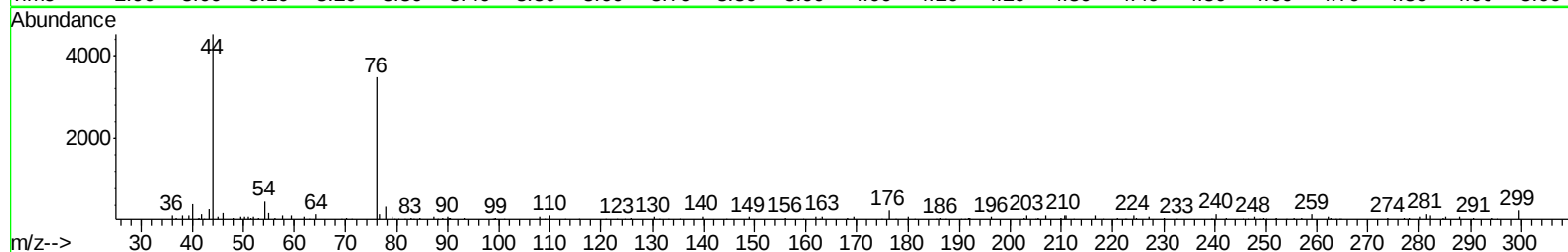
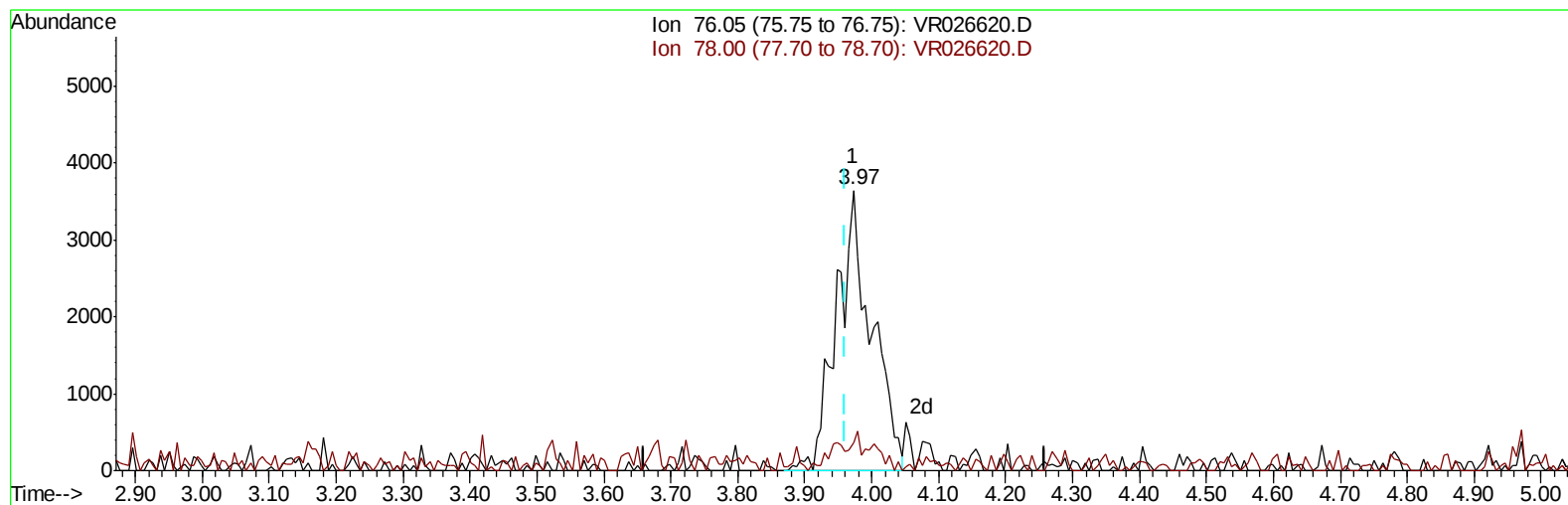
3.674min (-0.006) 0.22ug/L

response 3487

Ion	Exp%	Act%
101.00	100	100
85.00	50.80	36.28#
151.00	73.20	114.34#
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR091119\
Data File : VR026620.D
Acq On : 11 Sep 2019 14:15
Operator : SY/MD
Sample : MDL03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 08:54:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091019WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 12 08:46:28 2019
Response via : Initial Calibration



TIC: VR026620.D

(14) Carbon disulfide (T)

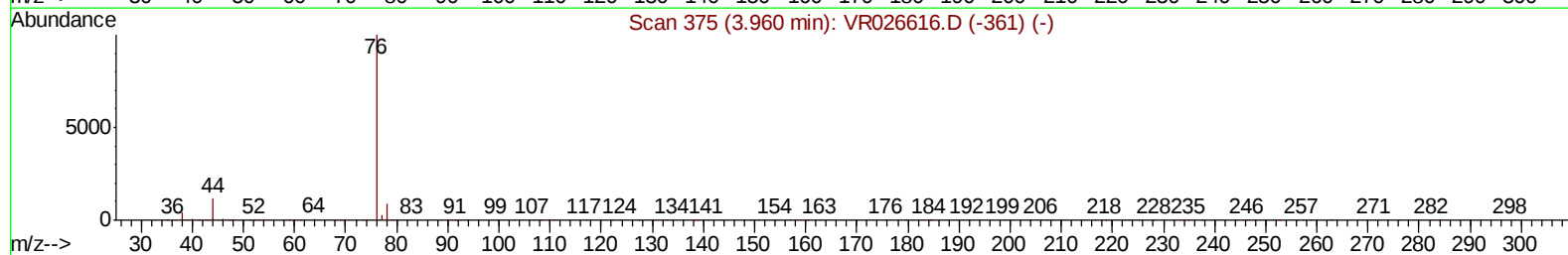
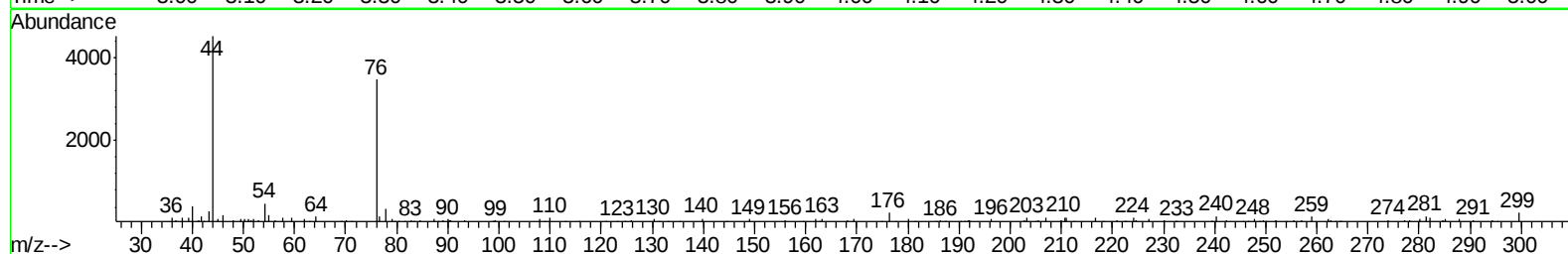
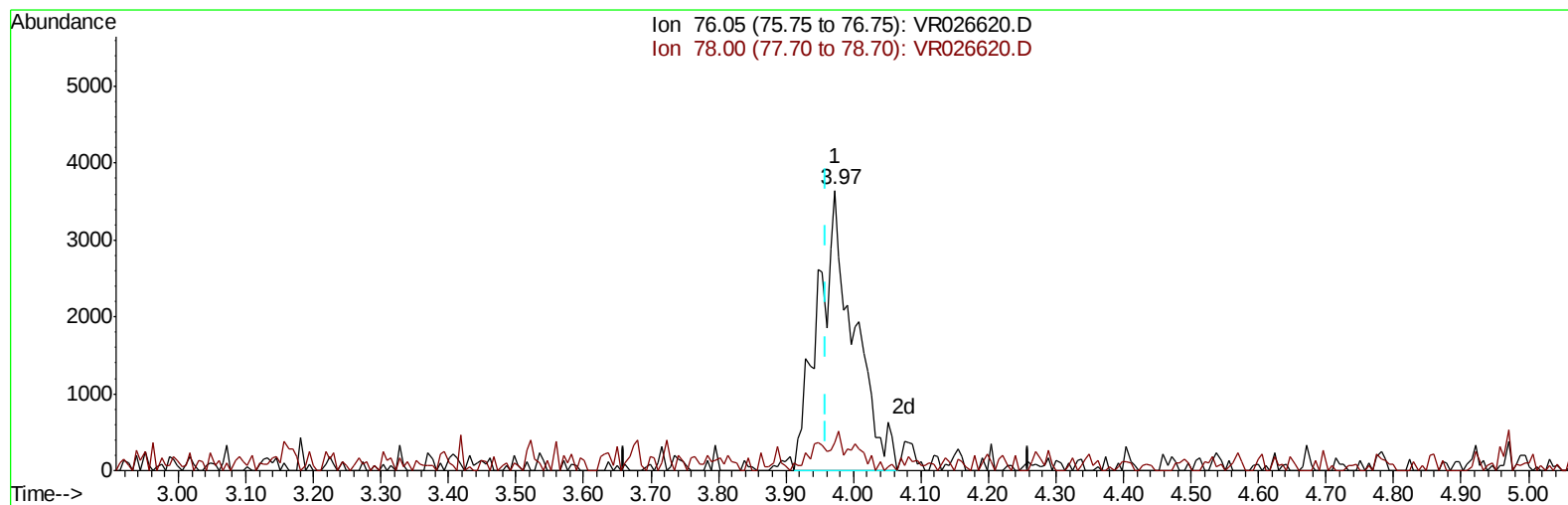
3.972min (+0.012) 0.20ug/L

response 13325

Ion	Exp%	Act%
76.05	100	100
78.00	9.10	9.83
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR091119\
Data File : VR026620.D
Acq On : 11 Sep 2019 14:15
Operator : SY/MD
Sample : MDL03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 08:54:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091019WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 12 08:46:28 2019
Response via : Initial Calibration



TIC: VR026620.D

(14) Carbon disulfide (T)

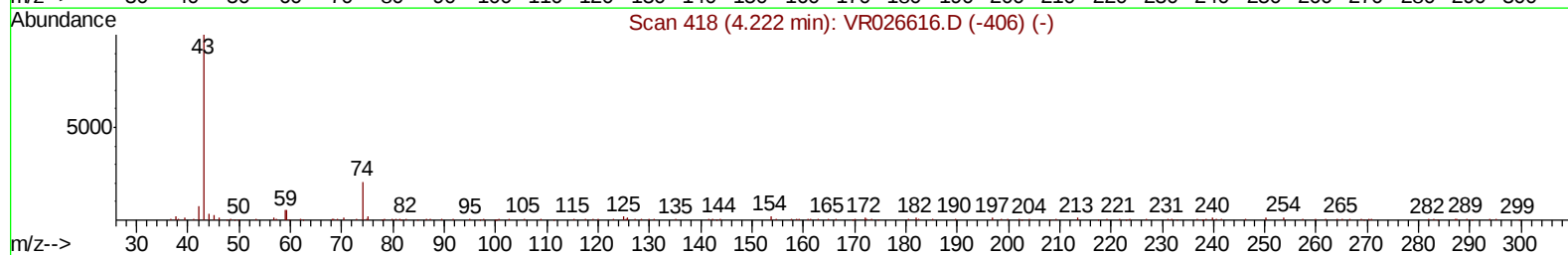
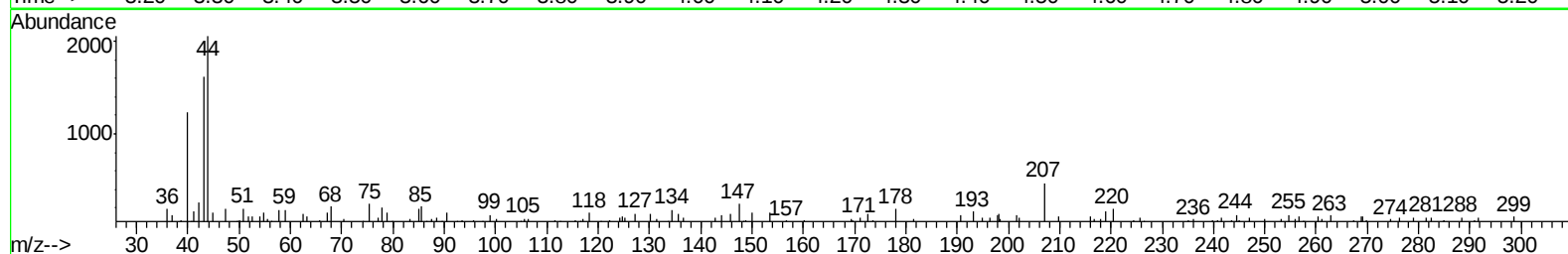
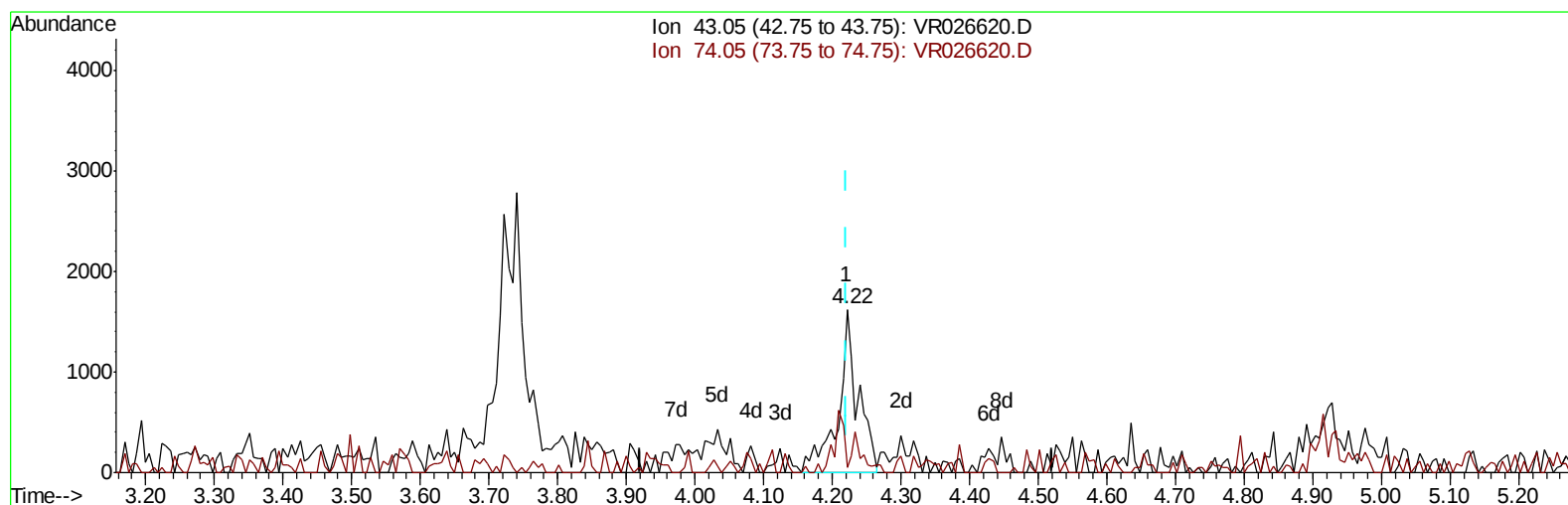
3.972min (+0.012) 0.21ug/L m

response 13518

Ion	Exp%	Act%
76.05	100	100
78.00	9.10	10.32
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR091119\
 Data File : VR026620.D
 Acq On : 11 Sep 2019 14:15
 Operator : SY/MD
 Sample : MDL03
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 08:54:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091019WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 12 08:46:28 2019
 Response via : Initial Calibration



TIC: VR026620.D

(15) Methyl Acetate (T)

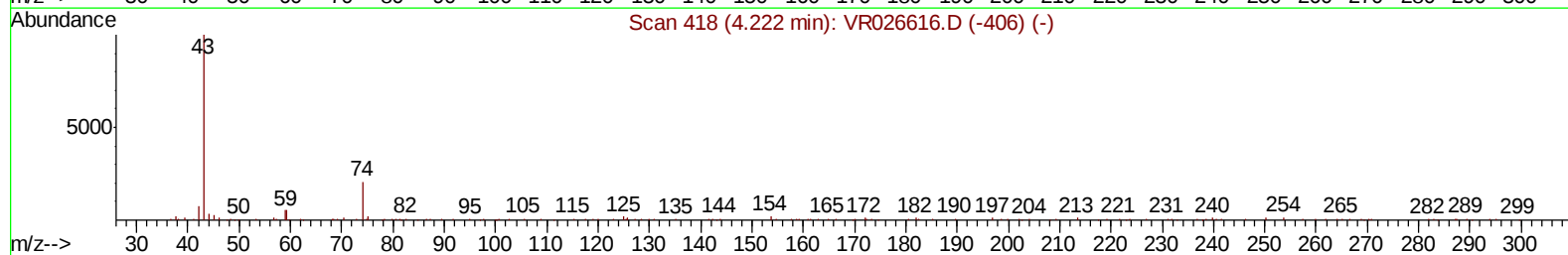
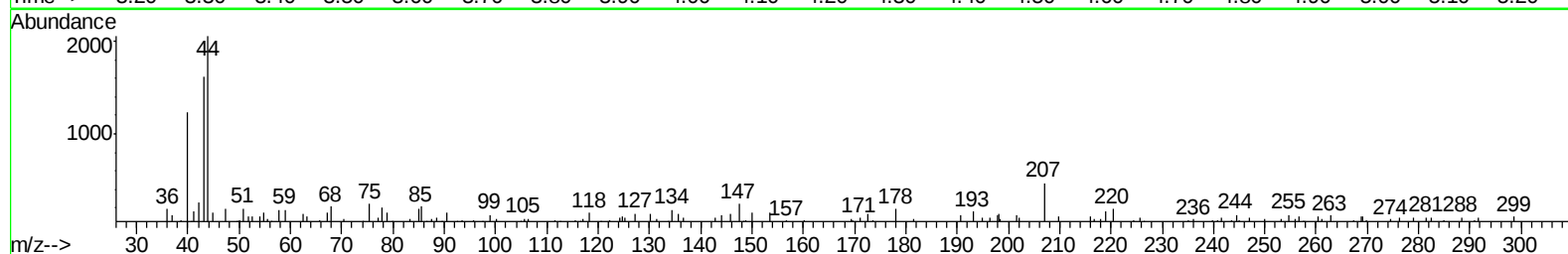
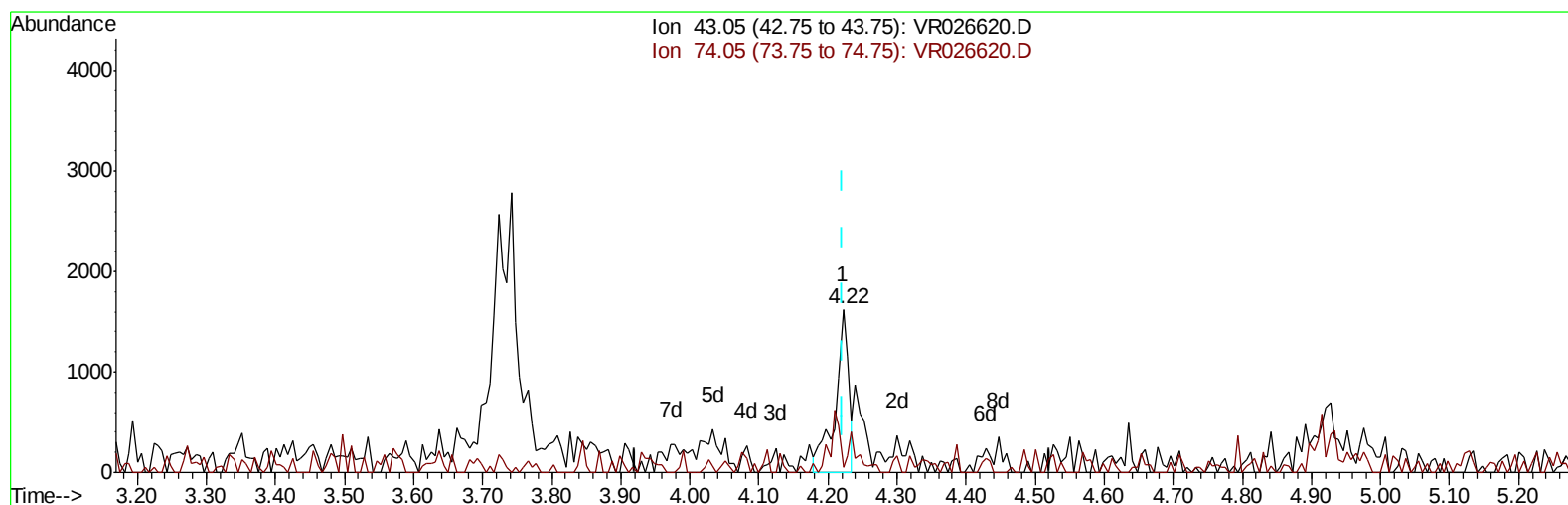
4.222min (0.000) 0.43ug/L

response 3315

Ion	Exp%	Act%
43.05	100	100
74.05	24.30	11.13#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR091119\
Data File : VR026620.D
Acq On : 11 Sep 2019 14:15
Operator : SY/MD
Sample : MDL03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 08:54:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091019WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 12 08:46:28 2019
Response via : Initial Calibration



TIC: VR026620.D

(15) Methyl Acetate (T)

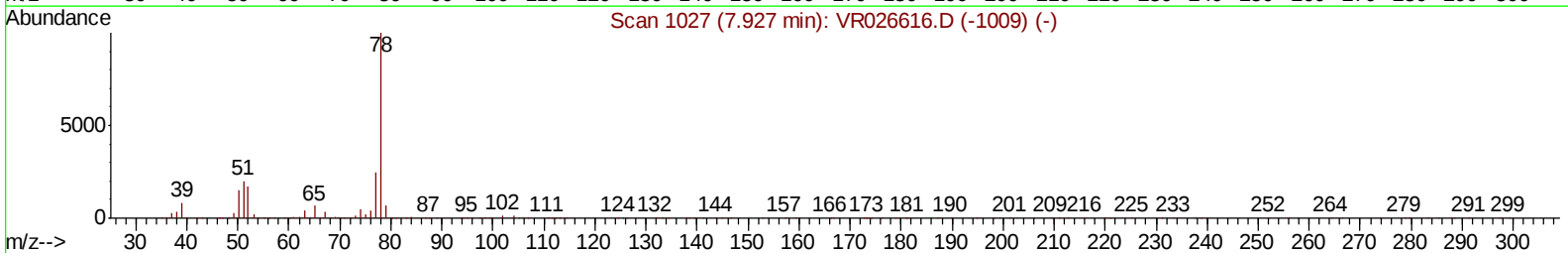
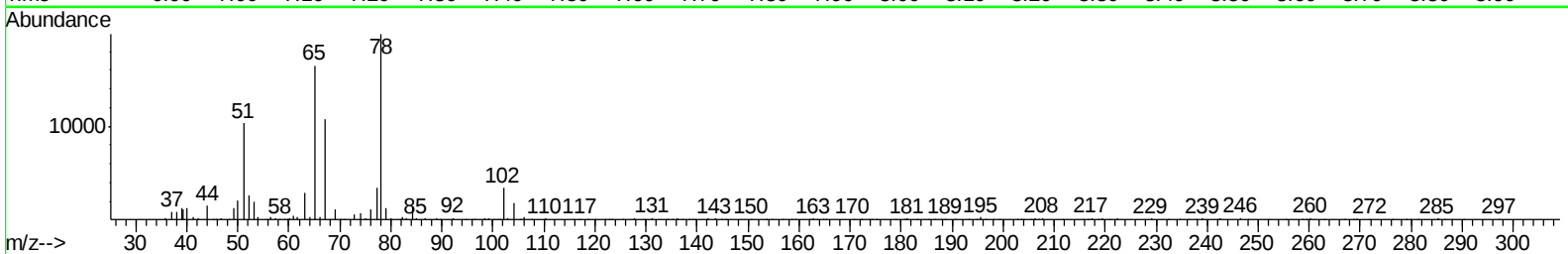
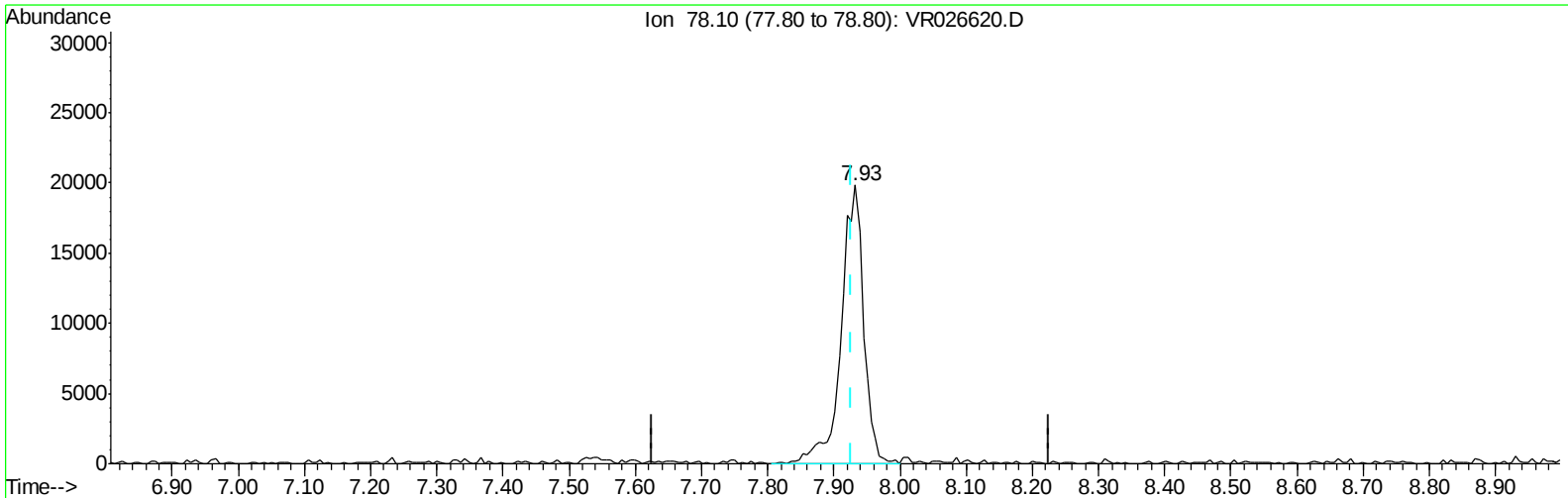
4.222min (0.000) 0.28ug/L m

response 2192

Ion	Exp%	Act%
43.05	100	100
74.05	24.30	16.83#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR091119\
Data File : VR026620.D
Acq On : 11 Sep 2019 14:15
Operator : SY/MD
Sample : MDL03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 08:54:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091019WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 12 08:46:28 2019
Response via : Initial Calibration



TIC: VR026620.D

(33) Benzene (T)

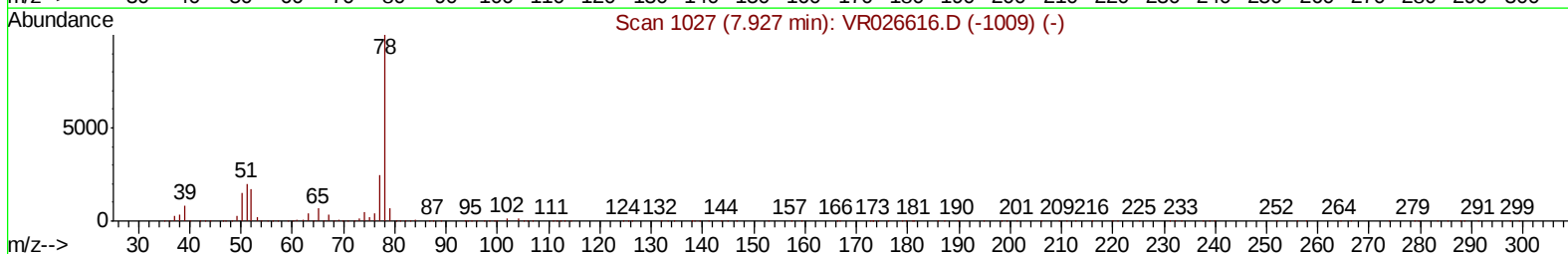
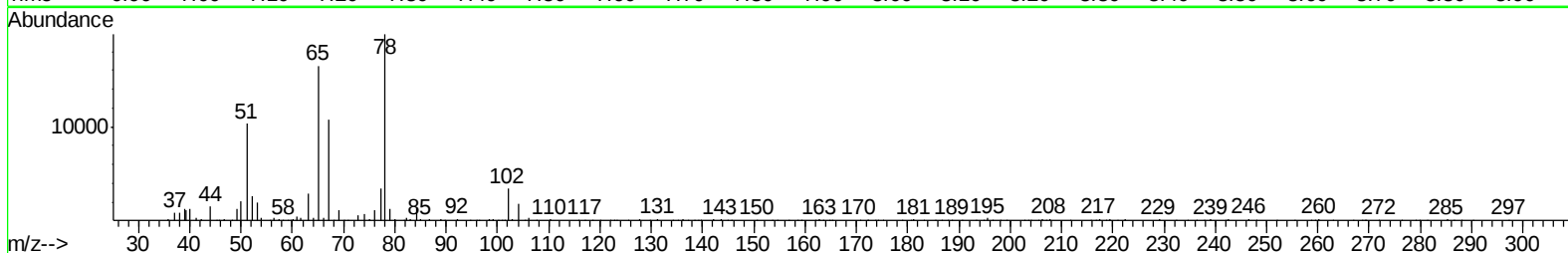
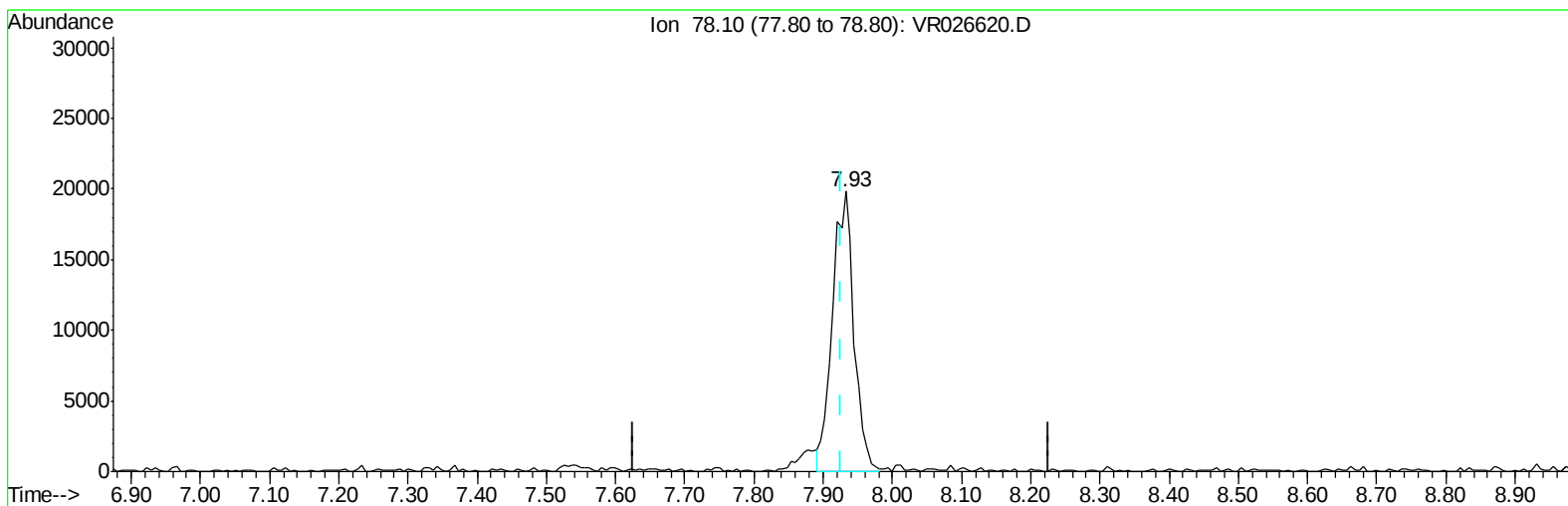
7.933min (+0.006) 0.32ug/L

response 46460

Ion	Exp%	Act%
78.10	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR091119\
Data File : VR026620.D
Acq On : 11 Sep 2019 14:15
Operator : SY/MD
Sample : MDL03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 08:54:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091019WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 12 08:46:28 2019
Response via : Initial Calibration



TIC: VR026620.D

(33) Benzene (T)

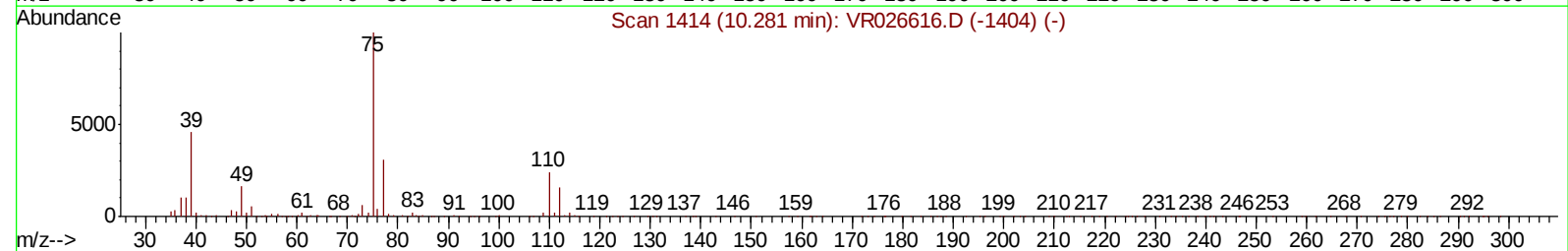
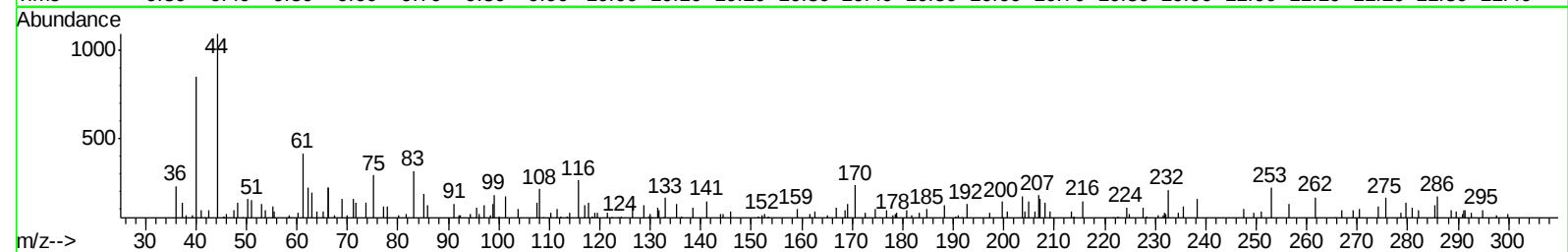
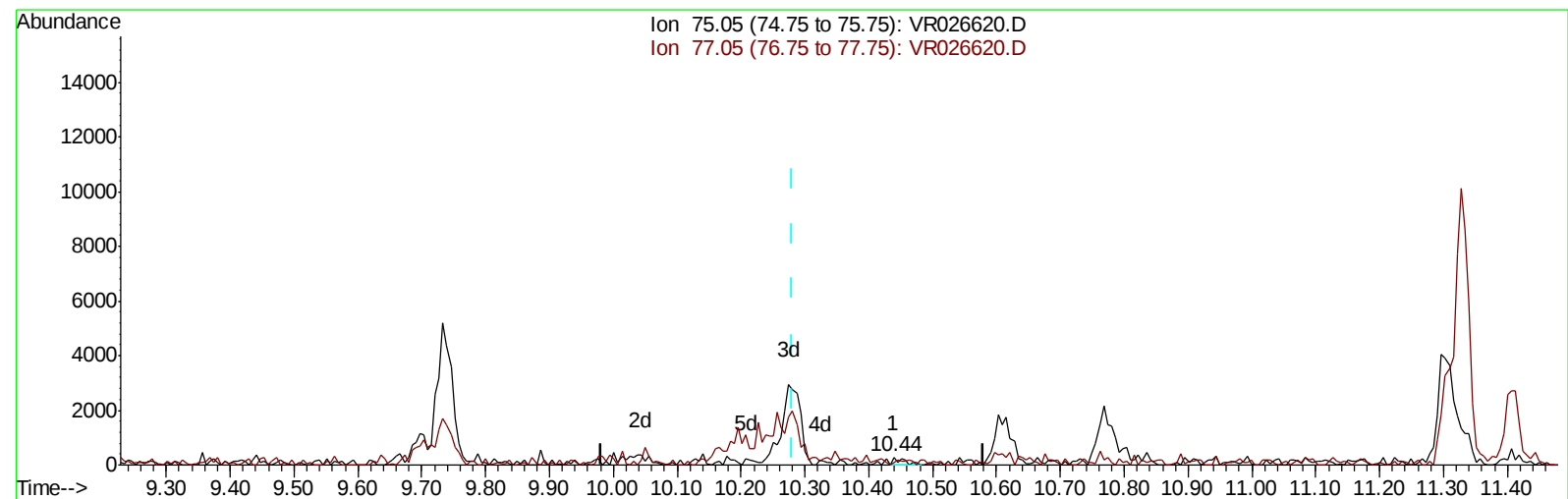
7.933min (+0.006) 0.29ug/L m

response 42990

Ion	Exp%	Act%
78.10	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR091119\
Data File : VR026620.D
Acq On : 11 Sep 2019 14:15
Operator : SY/MD
Sample : MDL03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 08:54:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091019WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 12 08:46:28 2019
Response via : Initial Calibration



TIC: VR026620.D

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

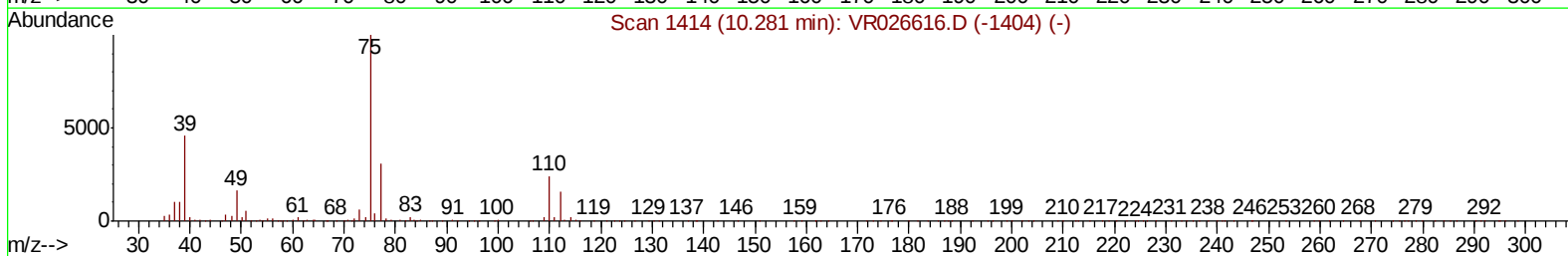
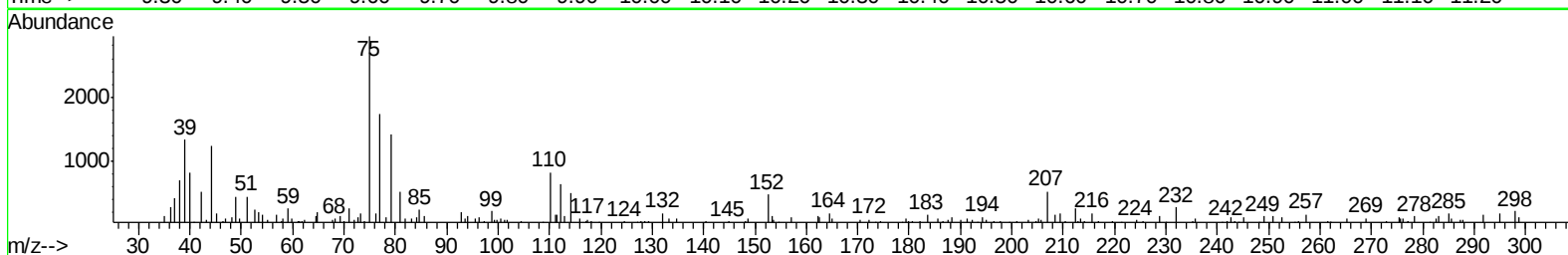
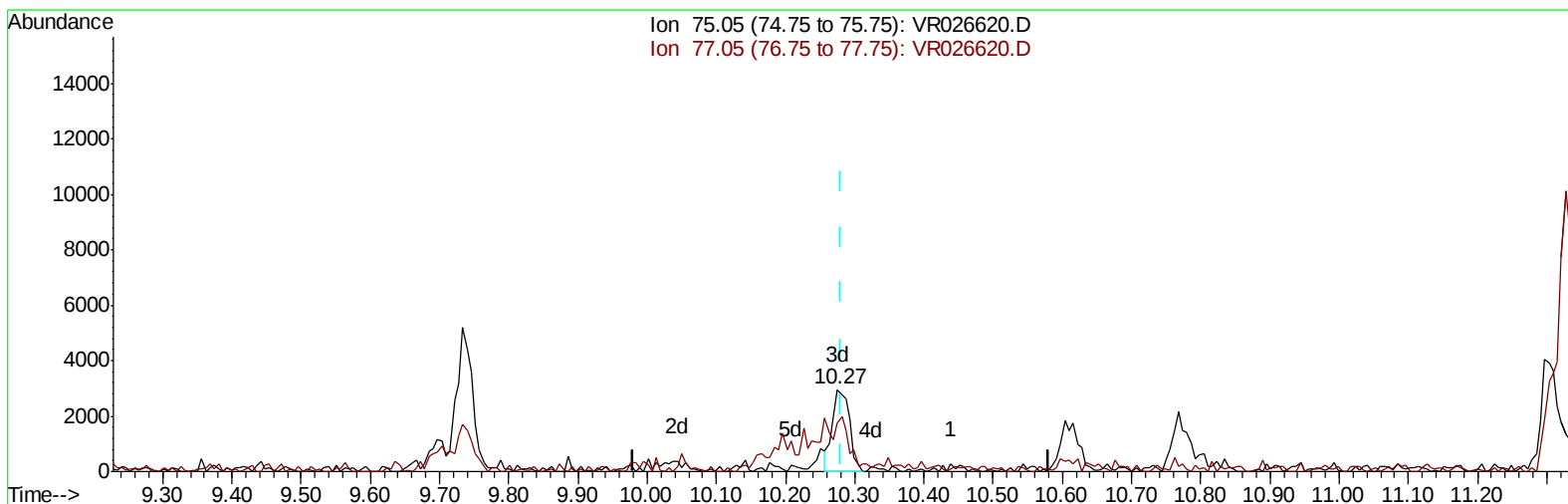
10.439min (+0.158) 0.02ug/L

response 354

Ion	Exp%	Act%
75.05	100	100
77.05	34.70	39.86
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR091119\
 Data File : VR026620.D
 Acq On : 11 Sep 2019 14:15
 Operator : SY/MD
 Sample : MDL03
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 08:54:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091019WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 12 08:46:28 2019
 Response via : Initial Calibration



TIC: VR026620.D

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

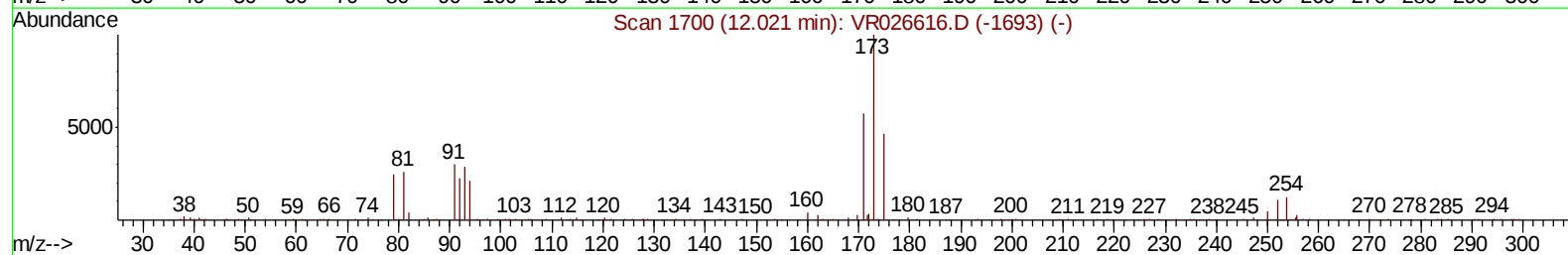
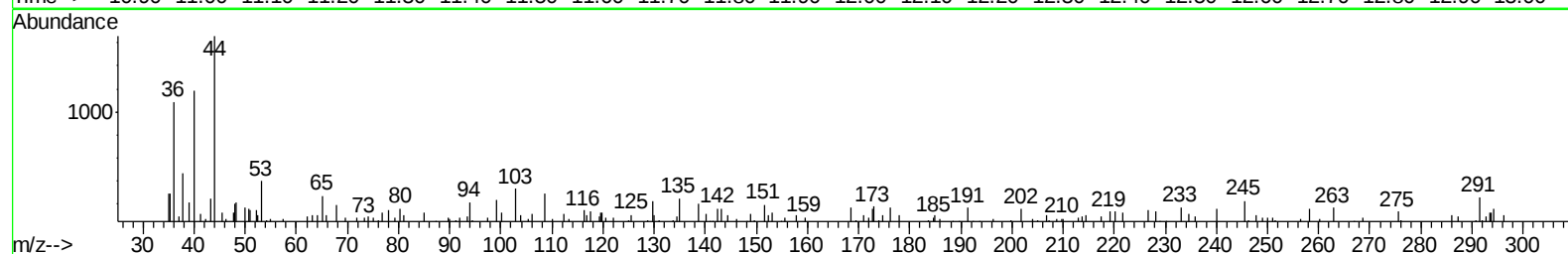
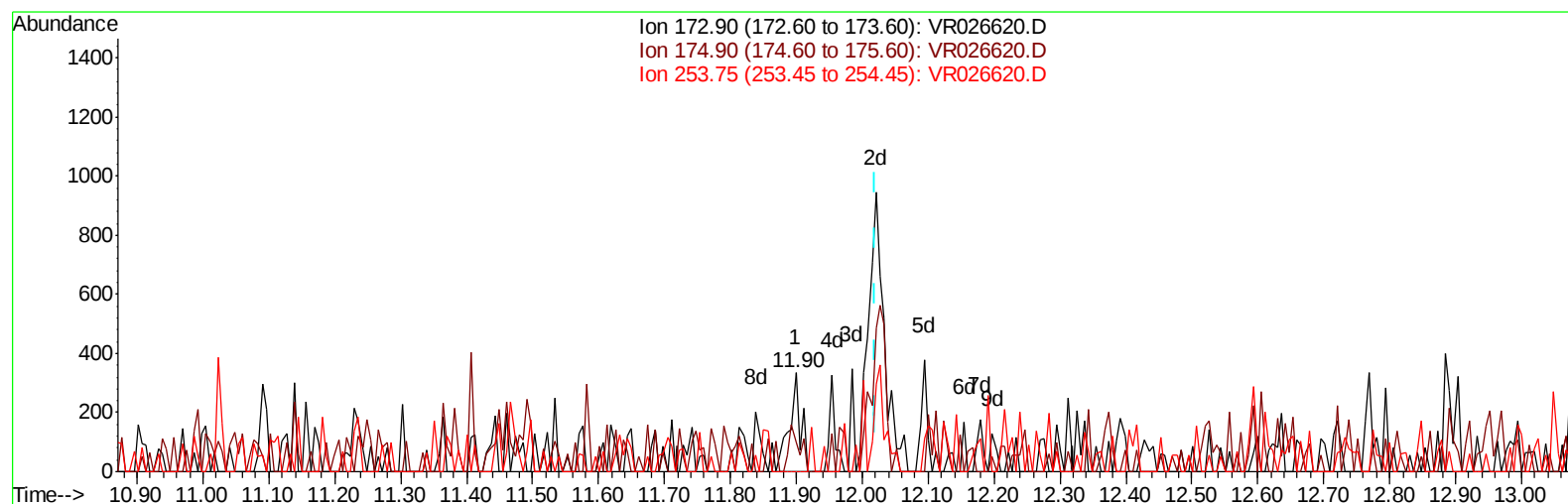
10.275min (-0.006) 0.26ug/L m

response 5071

Ion	Exp%	Act%
75.05	100	100
77.05	34.70	58.89#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR091119\
Data File : VR026620.D
Acq On : 11 Sep 2019 14:15
Operator : SY/MD
Sample : MDL03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 08:54:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091019WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 12 08:46:28 2019
Response via : Initial Calibration



TIC: VR026620.D

(61) Bromoform (T)

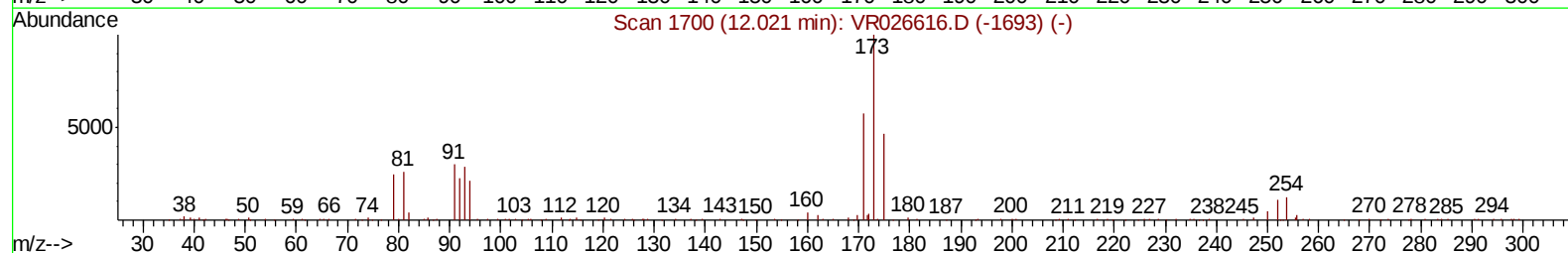
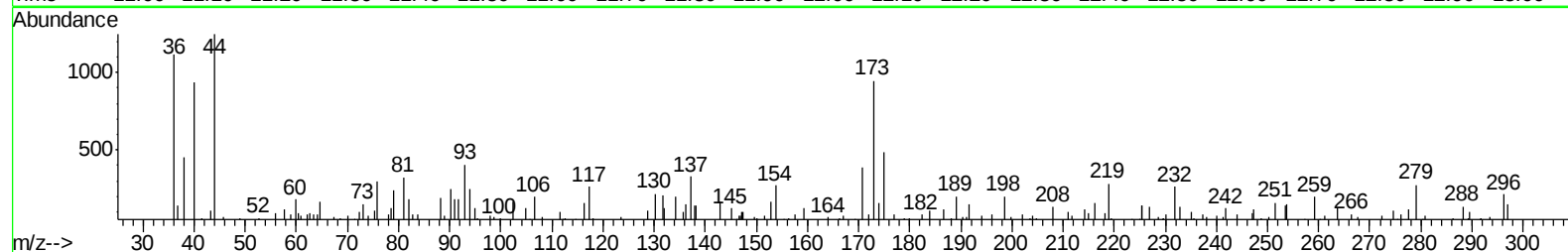
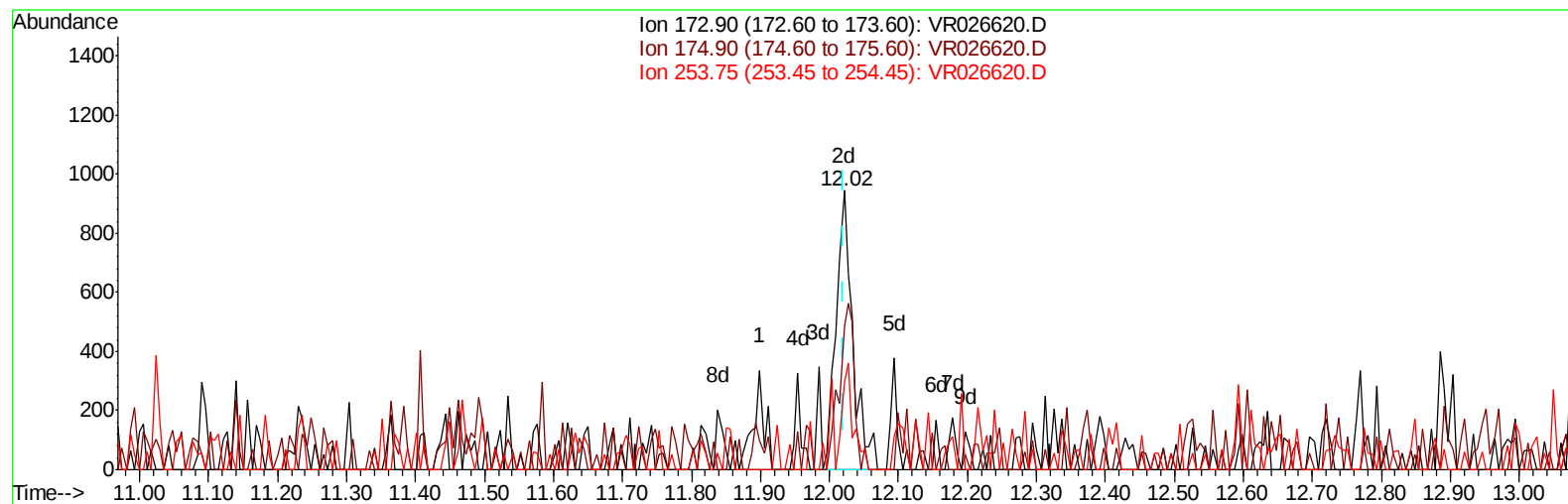
11.899min (-0.122) 0.07ug/L

response 391

Ion	Exp%	Act%
172.90	100	100
174.90	48.50	44.76
253.75	12.50	14.07
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR091119\
Data File : VR026620.D
Acq On : 11 Sep 2019 14:15
Operator : SY/MD
Sample : MDL03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 08:54:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091019WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 12 08:46:28 2019
Response via : Initial Calibration



TIC: VR026620.D

(61) Bromoform (T)

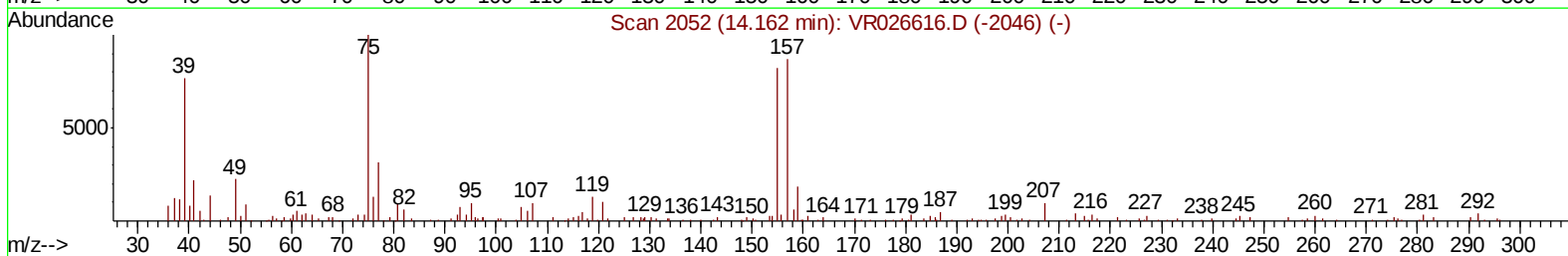
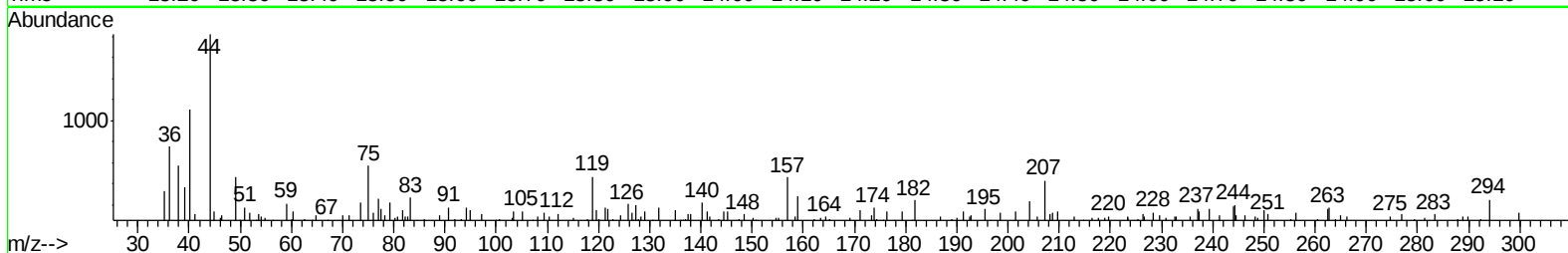
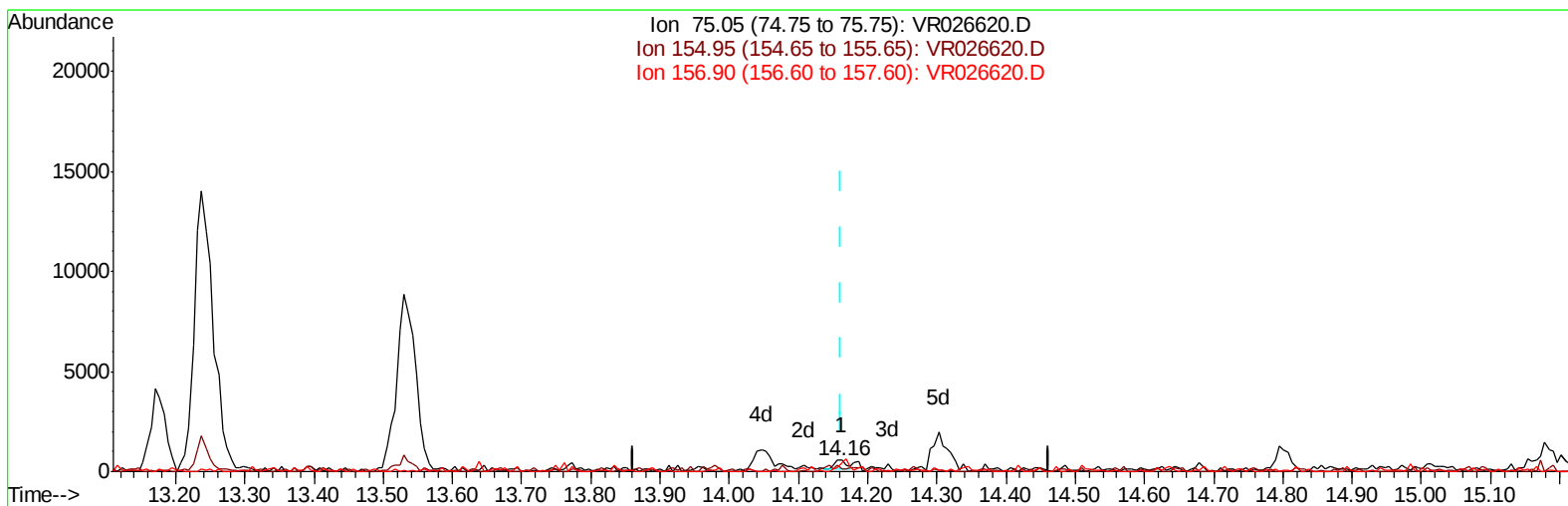
12.021min (0.000) 0.30ug/L m

response 1609

Ion	Exp%	Act%
172.90	100	100
174.90	48.50	10.88#
253.75	12.50	3.42#
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR091119\
Data File : VR026620.D
Acq On : 11 Sep 2019 14:15
Operator : SY/MD
Sample : MDL03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 08:54:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091019WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 12 08:46:28 2019
Response via : Initial Calibration



TIC: VR026620.D

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

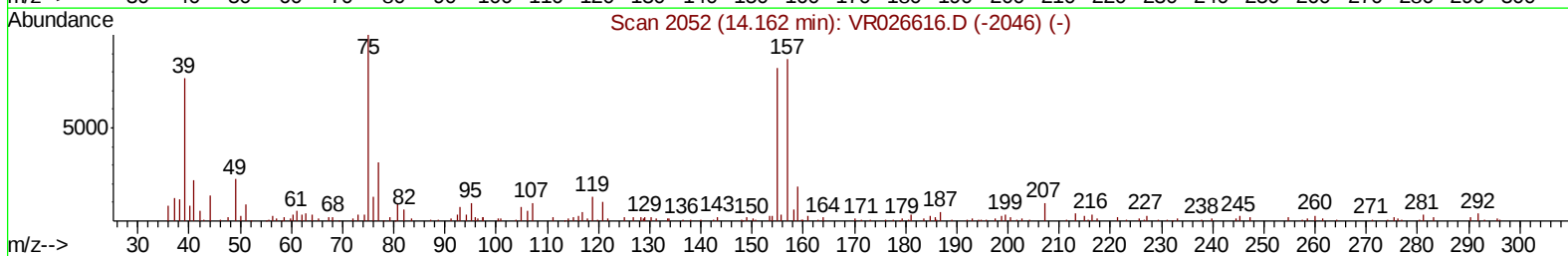
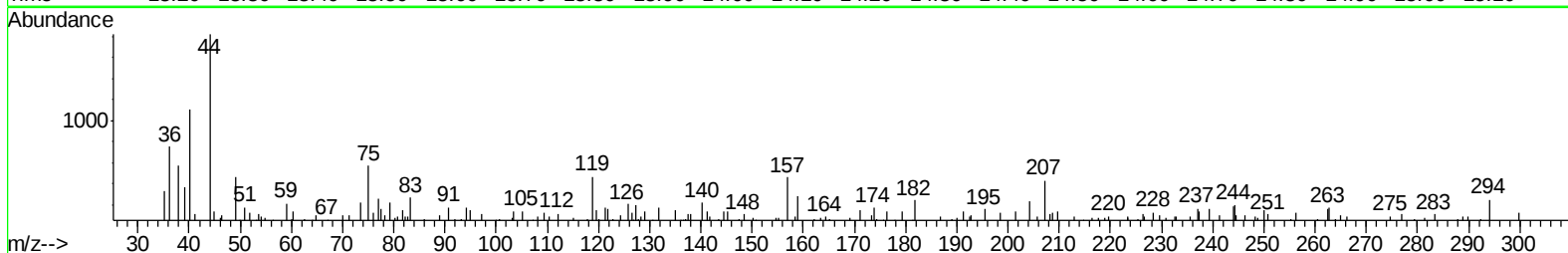
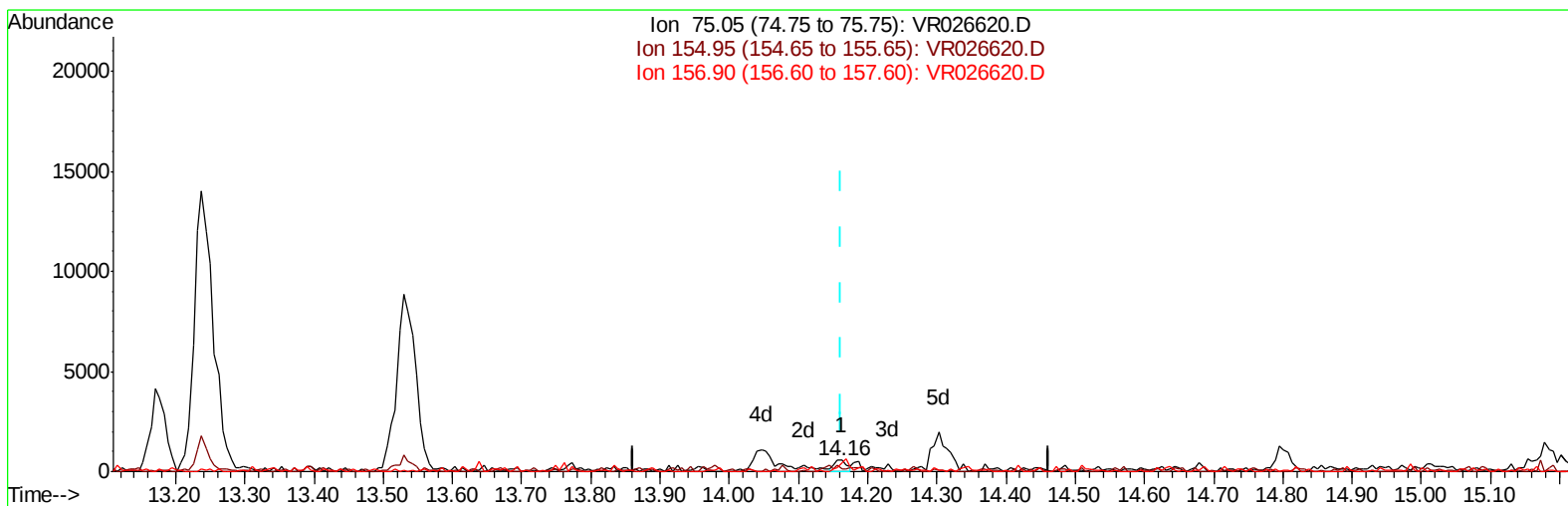
14.162min (0.000) 0.24ug/L

response 498

Ion	Exp%	Act%
75.05	100	100
154.95	62.80	26.63#
156.90	93.10	80.78
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR091119\
Data File : VR026620.D
Acq On : 11 Sep 2019 14:15
Operator : SY/MD
Sample : MDL03
Misc : 25mL/MSVOA R/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 08:54:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091019WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 12 08:46:28 2019
Response via : Initial Calibration



TIC: VR026620.D

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

14.162min (0.000) 0.35ug/L m

response 721

Ion	Exp%	Act%
75.05	100	100
154.95	62.80	13.58#
156.90	93.10	80.78
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR091119\
 Data File : VR026620.D
 Acq On : 11 Sep 2019 14:15
 Operator : SY/MD
 Sample : MDL03
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 09:12:00 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091019WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Thu Sep 12 08:46:28 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.48	114	420726	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.30	117	330352	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.24	152	144392	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.19	65	58639	4.51	ug/L	0.02
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.20%
7) Chloroethane-d5	2.65	69	53626	4.86	ug/L	0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.20%
11) 1,1-Dichloroethene-d2	3.64	63	98697	3.21	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.20%
20) 2-Butanone-d5	6.62	46	121038	42.81	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.62%
24) Chloroform-d	7.23	84	206368	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
26) 1,2-Dichloroethane-d4	7.91	65	68968	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	7.88	84	418626	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
36) 1,2-Dichloropropane-d6	8.92	67	106654	4.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.60%
41) Toluene-d8	9.99	98	305064	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.00%
43) trans-1,3-Dichloropropene-	10.25	79	22657	3.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.00%
46) 2-Hexanone-d5	10.61	63	76160	42.23	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.46%
57) 1,1,2,2-Tetrachloroethane-	12.37	84	50999	4.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.40%
64) 1,2-Dichlorobenzene-d4	13.53	152	92757	4.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.86	85	14730	0.346 ug/L	98
3) Chloromethane	2.06	50	9005	0.354 ug/L	85
5) Vinyl chloride	2.18	62	8619	0.358 ug/L #	39
6) Bromomethane	2.54	94	5217	0.376 ug/L	89
8) Chloroethane	2.67	64	5346	0.392 ug/L #	74
9) Trichlorofluoromethane	2.99	101	14071	0.388 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	3.70	101	6601m	0.416 ug/L	
12) 1,1-Dichloroethene	3.66	96	4945	0.300 ug/L #	1
13) Acetone	3.74	43	5791	3.334 ug/L	86
14) Carbon disulfide	3.97	76	13518m	0.205 ug/L	
15) Methyl Acetate	4.22	43	2192m	0.284 ug/L	
16) Methylene chloride	4.43	84	11688	0.338 ug/L	88
17) Methyl tert-butyl Ether	4.93	73	10943	0.264 ug/L #	68
18) trans-1,2-Dichloroethene	4.91	96	11155	0.314 ug/L	90
19) 1,1-Dichloroethane	5.72	63	21621	0.320 ug/L #	88
21) 2-Butanone	6.72	43	11915	3.321 ug/L	92
22) cis-1,2-Dichloroethene	6.70	96	11515	0.329 ug/L #	78

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR091119\
 Data File : VR026620.D
 Acq On : 11 Sep 2019 14:15
 Operator : SY/MD
 Sample : MDL03
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 09:12:00 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091019WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Thu Sep 12 08:46:28 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.08	128	4280	0.456	ug/L #	63
25) Chloroform	7.25	83	25517	0.410	ug/L	94
27) 1,2-Dichloroethane	8.01	62	7399	0.325	ug/L #	85
29) 1,1,1-Trichloroethane	7.46	97	14381	0.288	ug/L	98
30) Cyclohexane	7.54	56	16473	0.277	ug/L	98
31) Carbon tetrachloride	7.65	117	11424	0.276	ug/L	94
33) Benzene	7.93	78	42990m	0.294	ug/L	
34) Trichloroethene	8.73	95	11219	0.311	ug/L	89
35) Methylcyclohexane	8.98	83	14469	0.266	ug/L	93
37) 1,2-Dichloropropane	9.02	63	9624	0.330	ug/L #	96
38) Bromodichloromethane	9.30	83	8437	0.280	ug/L #	82
39) cis-1,3-Dichloropropene	9.73	75	8244	0.260	ug/L	94
40) 4-Methyl-2-pentanone	9.88	43	18183	2.180	ug/L #	90
42) Toluene	10.05	91	39286	0.301	ug/L	96
44) trans-1,3-Dichloropropene	10.27	75	5071m	0.257	ug/L	
45) 1,1,2-Trichloroethane	10.46	97	3670	0.301	ug/L	95
47) Tetrachloroethene	10.53	164	6914	0.341	ug/L	81
48) 2-Hexanone	10.65	43	14248	2.874	ug/L	94
49) Dibromochloromethane	10.80	129	4360	0.343	ug/L	87
50) 1,2-Dibromoethane	10.91	107	3112	0.305	ug/L #	73
51) Chlorobenzene	11.33	112	21684	0.308	ug/L	93
52) Ethylbenzene	11.41	91	40435	0.282	ug/L	92
53) m,p-Xylene	11.52	106	14613	0.279	ug/L	78
54) o-Xylene	11.84	106	13238	0.259	ug/L	95
55) Styrene	11.86	104	18433	0.262	ug/L	93
56) Isopropylbenzene	12.15	105	37086	0.261	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.39	83	4102	0.296	ug/L #	96
59) 1,2,3-Trichloropropane	12.45	75	3446	0.343	ug/L #	61
61) Bromoform	12.02	173	1609m	0.303	ug/L	
62) 1,3-Dichlorobenzene	13.18	146	14146	0.288	ug/L	90
63) 1,4-Dichlorobenzene	13.26	146	14993	0.317	ug/L	90
65) 1,2-Dichlorobenzene	13.55	146	15227	0.371	ug/L	91
66) 1,2-Dibromo-3-chloropropan	14.16	75	721m	0.346	ug/L	
67) 1,3,5-Trichlorobenzene	14.31	180	12528	0.316	ug/L	95
68) 1,2,4-trichlorobenzene	14.81	180	8852	0.305	ug/L	96
69) Naphthalene	15.02	128	9014	0.221	ug/L #	93
70) 1,2,3-Trichlorobenzene	15.20	180	7189	0.295	ug/L #	91

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

