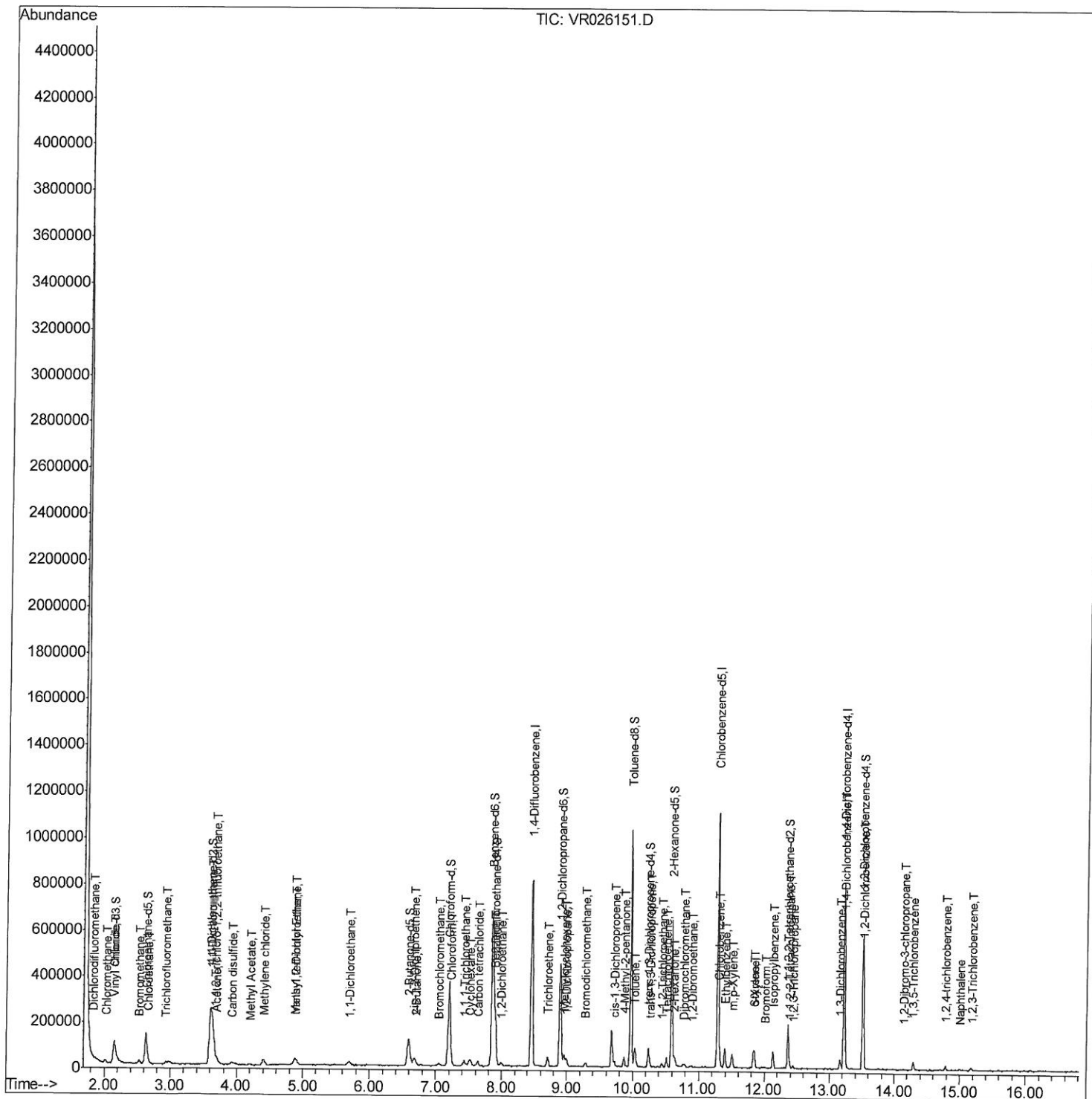


Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101918\
Quantitation Report (QT Reviewed)

Data File : VR026151.D
Acq On : 19 Oct 2018 15:44
Operator : SY/MD
Sample : MDL
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 11 Sample Multiplier: 1

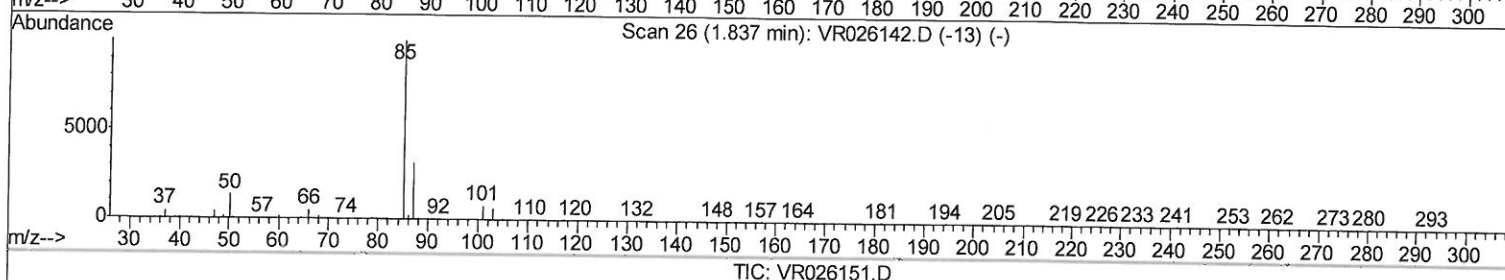
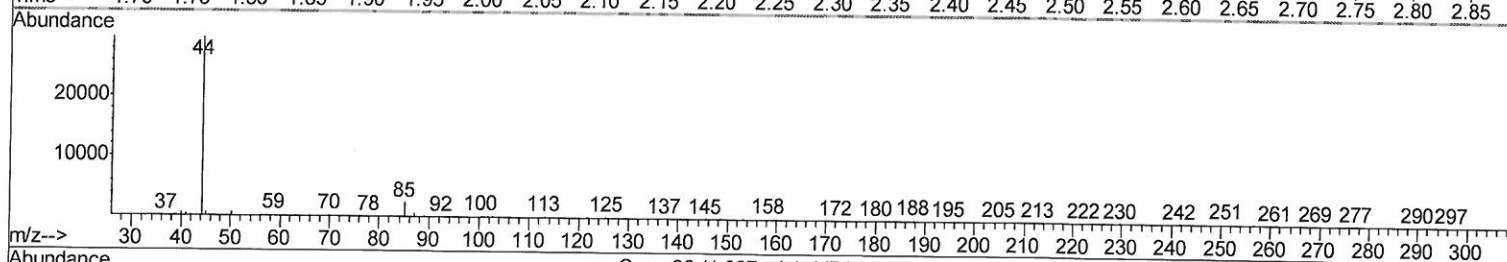
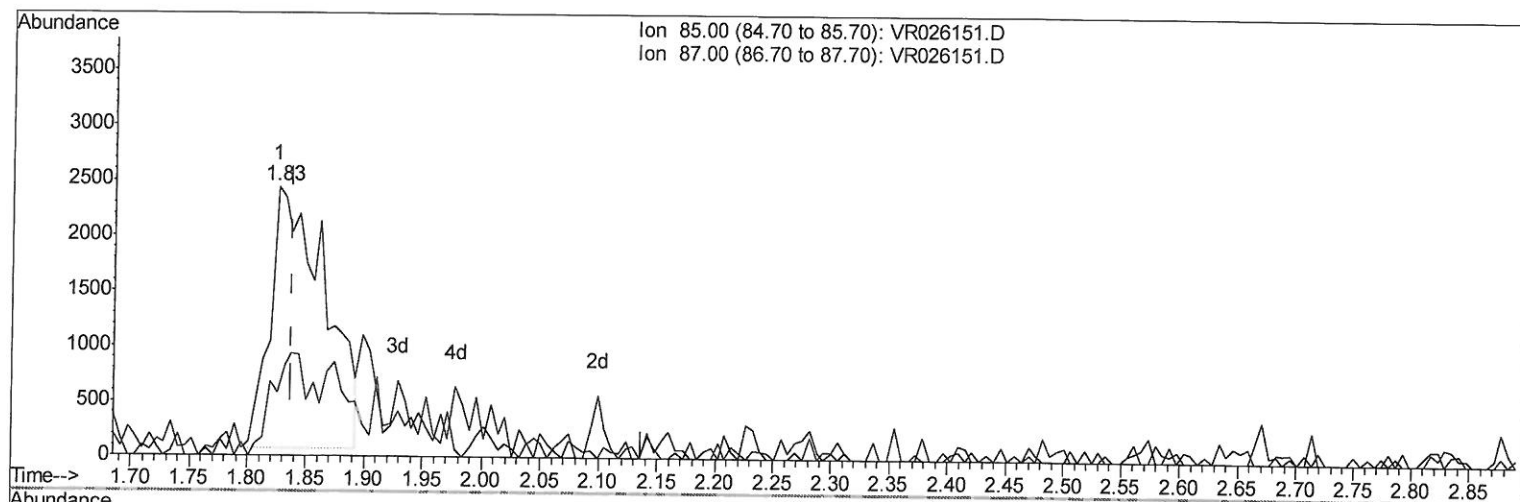
Quant Time: Oct 20 02:28:21 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 20 01:53:32 2018
Response via : Initial Calibration



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101918\
Quantitation Report (Qedit)

Data File : VR026151.D
Acq On : 19 Oct 2018 15:44
Operator : SY/MD
Sample : MDL
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 20 02:00:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 20 01:53:32 2018
Response via : Initial Calibration



(2) Dichlorodifluoromethane (T)

1.825min (-0.012) 0.21ug/L

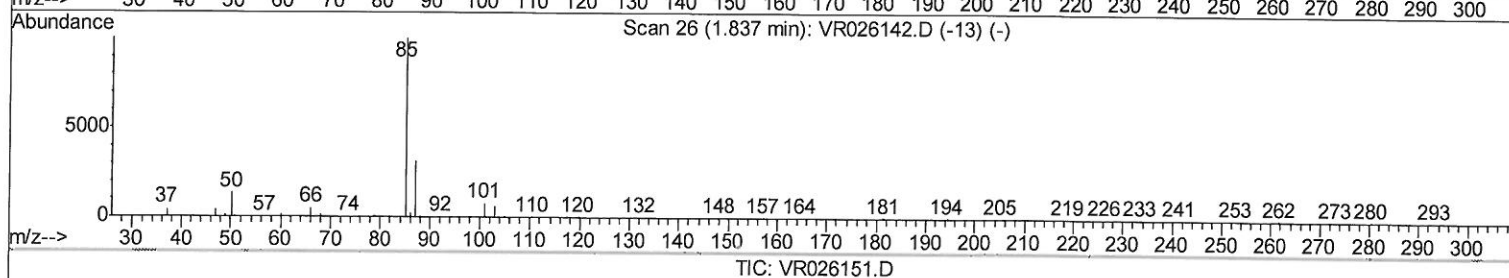
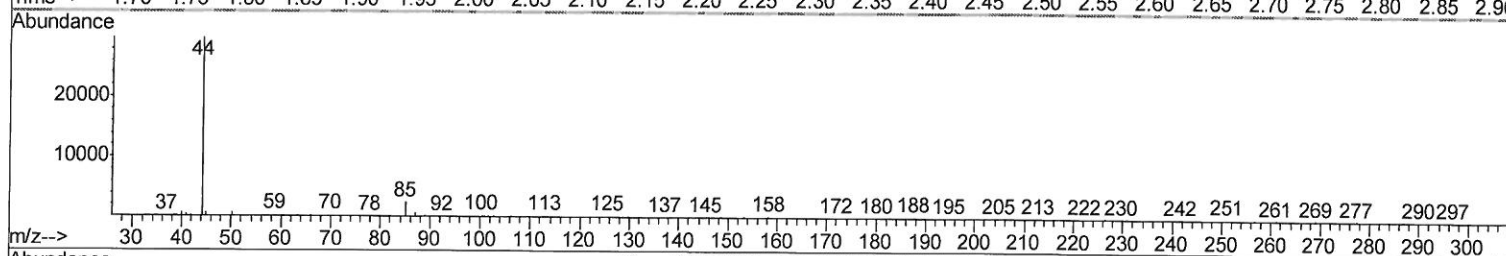
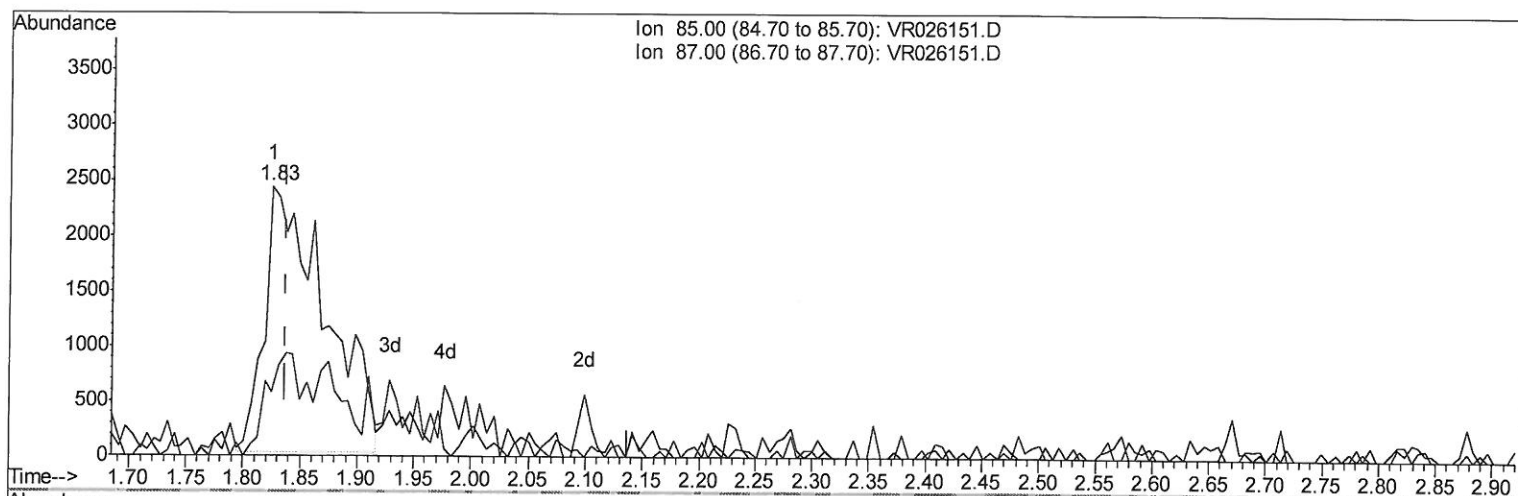
response 7692

Ion	Exp%	Act%
85.00	100	100
87.00	29.30	27.82
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101918\
Quantitation Report (Qedit)

Data File : VR026151.D
Acq On : 19 Oct 2018 15:44
Operator : SY/MD
Sample : MDL
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 20 02:00:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 20 01:53:32 2018
Response via : Initial Calibration



(2) Dichlorodifluoromethane (T)

1.825min (-0.012) 0.24ug/L m

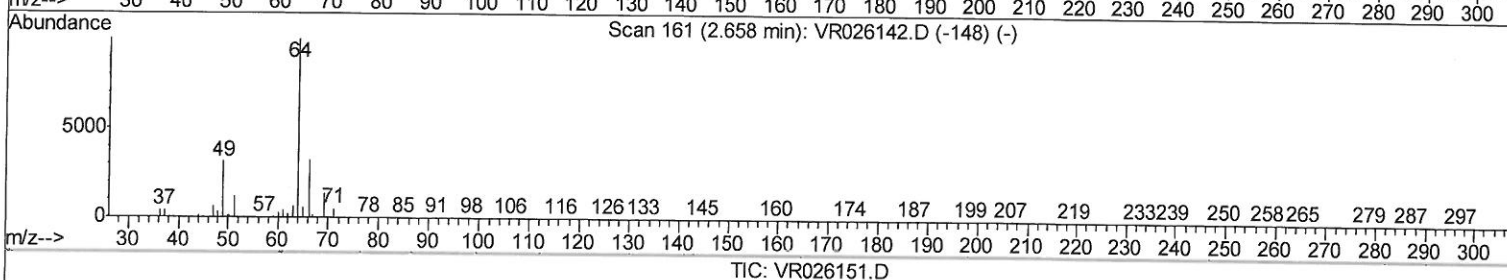
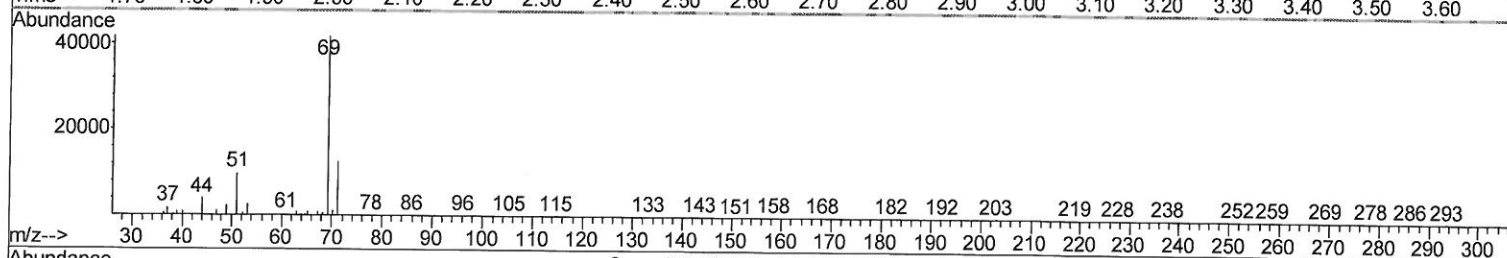
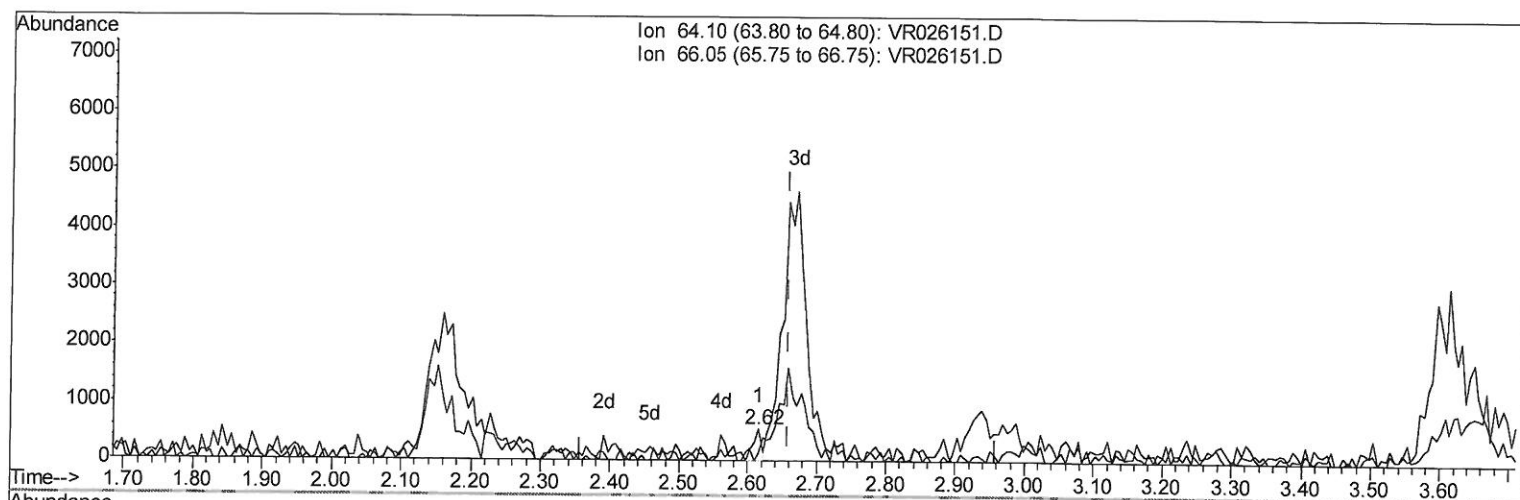
response 8904

Ion	Exp%	Act%
85.00	100	100
87.00	29.30	24.03
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101918\
Quantitation Report (Qedit)

Data File : VR026151.D
Acq On : 19 Oct 2018 15:44
Operator : SY/MD
Sample : MDL
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 20 02:00:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 20 01:53:32 2018
Response via : Initial Calibration



(8) Chloroethane (T)

2.616min (-0.043) 0.01ug/L

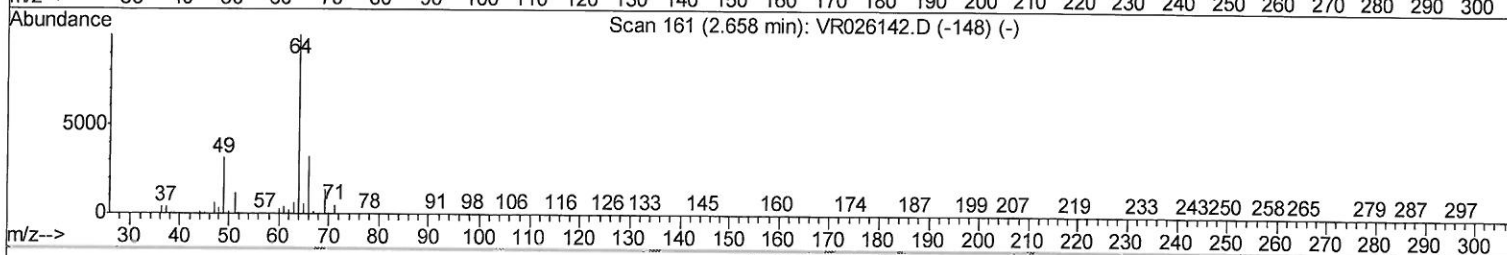
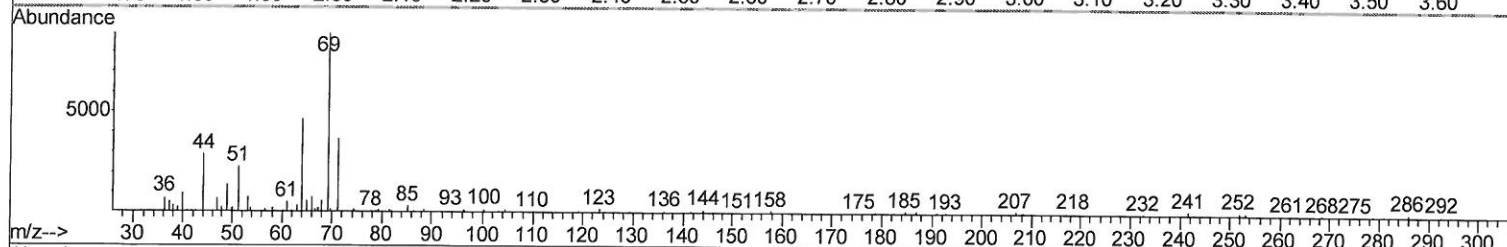
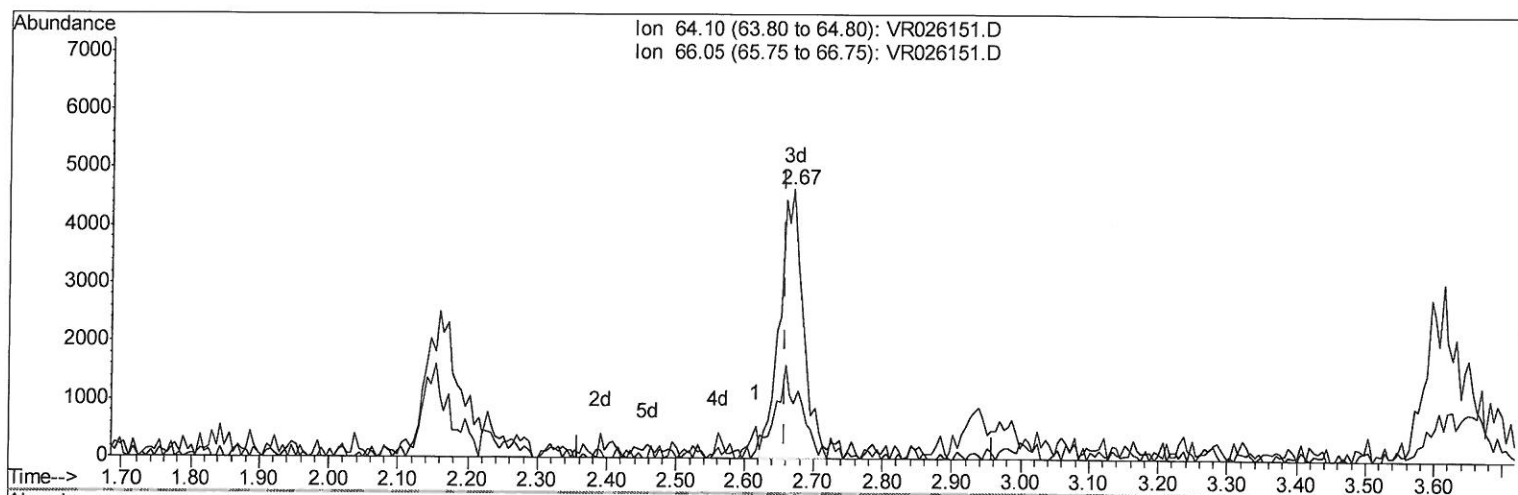
response 444

Ion	Exp%	Act%
64.10	100	100
66.05	31.40	22.12
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101918\
Quantitation Report (Qedit)

Data File : VR026151.D
Acq On : 19 Oct 2018 15:44
Operator : SY/MD
Sample : MDL
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 20 02:00:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 20 01:53:32 2018
Response via : Initial Calibration



TIC: VR026151.D

(8) Chloroethane (T)

2.671min (+0.012) 0.30ug/L m

10/20/18 dy

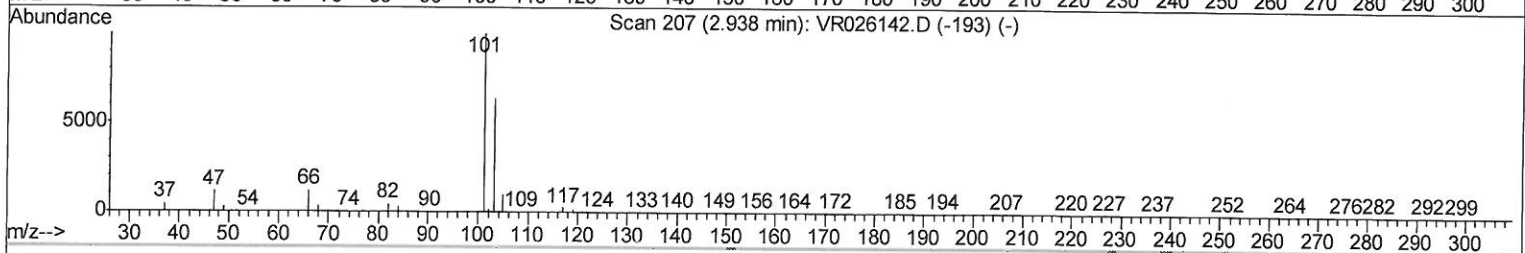
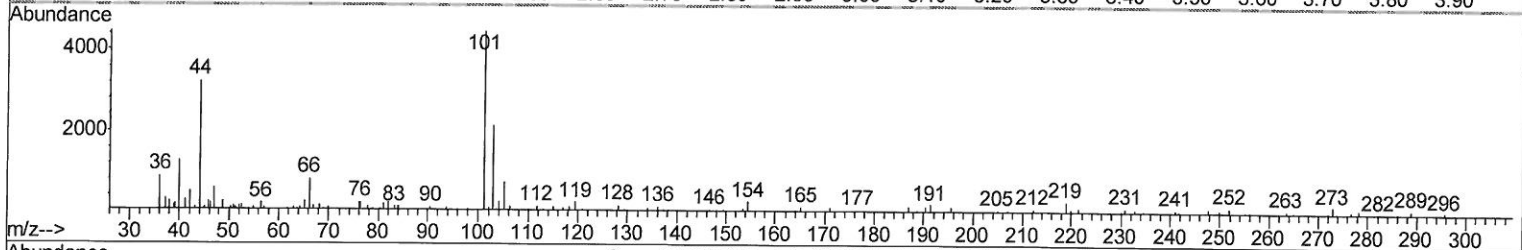
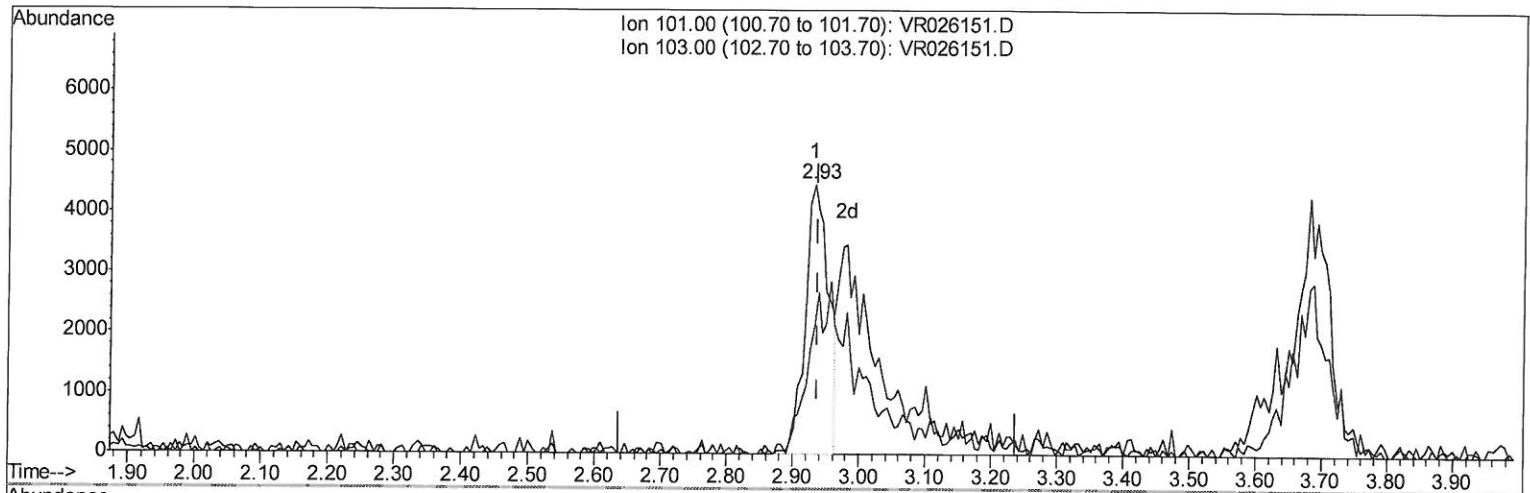
response 10941

Ion	Exp%	Act%
64.10	100	100
66.05	31.40	17.15#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101918\
Quantitation Report (Qedit)

Data File : VR026151.D
Acq On : 19 Oct 2018 15:44
Operator : SY/MD
Sample : MDL
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 20 02:00:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 20 01:53:32 2018
Response via : Initial Calibration



TIC: VR026151.D

(9) Trichlorofluoromethane (T)

2.932min (-0.006) 0.13ug/L

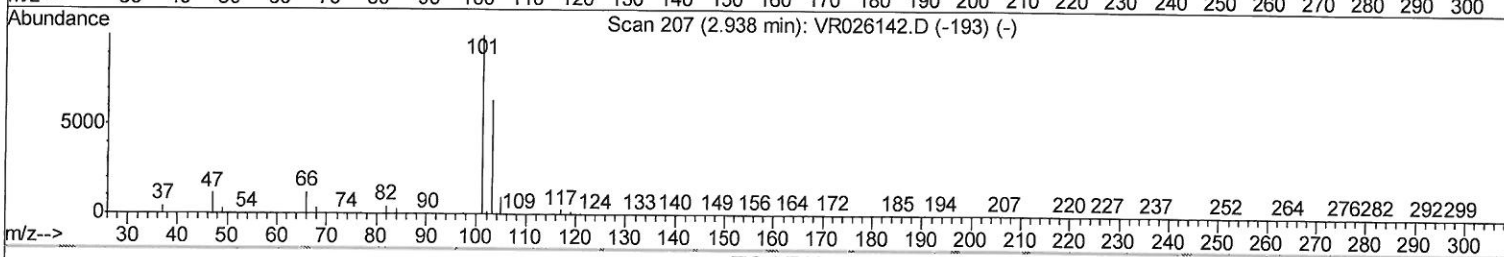
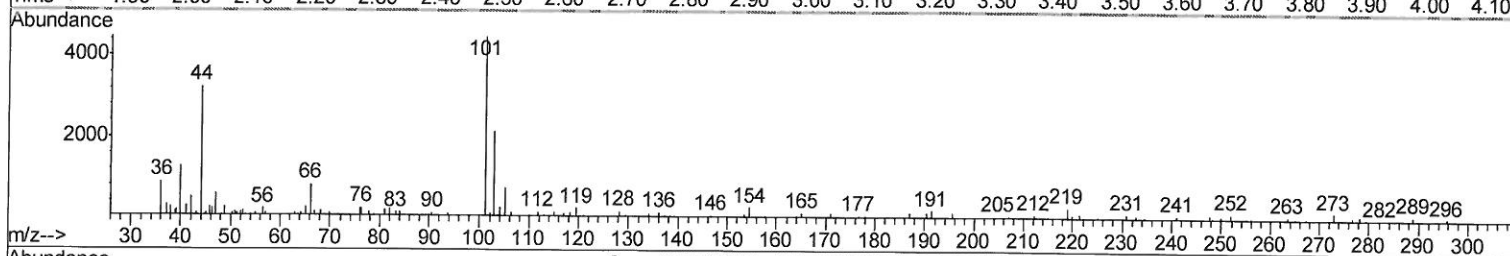
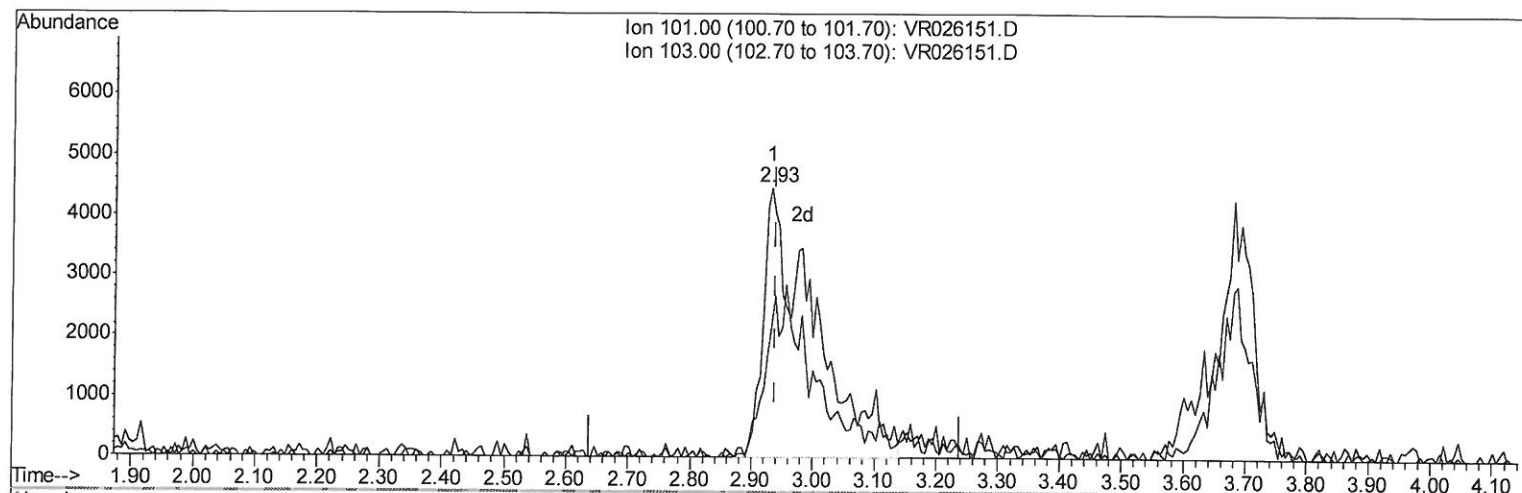
response 10888

Ion	Exp%	Act%
101.00	100	100
103.00	32.50	41.81#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101918\
Quantitation Report (Qedit)

Data File : VR026151.D
Acq On : 19 Oct 2018 15:44
Operator : SY/MD
Sample : MDL
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 20 02:00:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 20 01:53:32 2018
Response via : Initial Calibration



TIC: VR026151.D

(9) Trichlorofluoromethane (T)

2.932min (-0.006) 0.30ug/L m > 10/23/18 sy

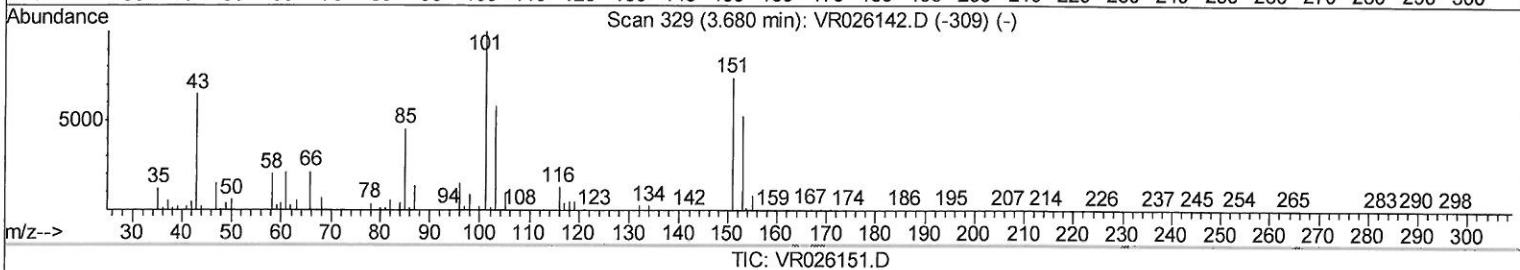
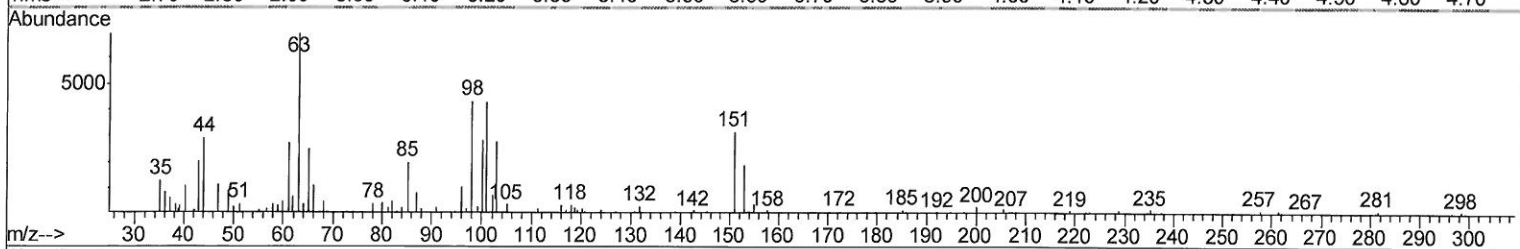
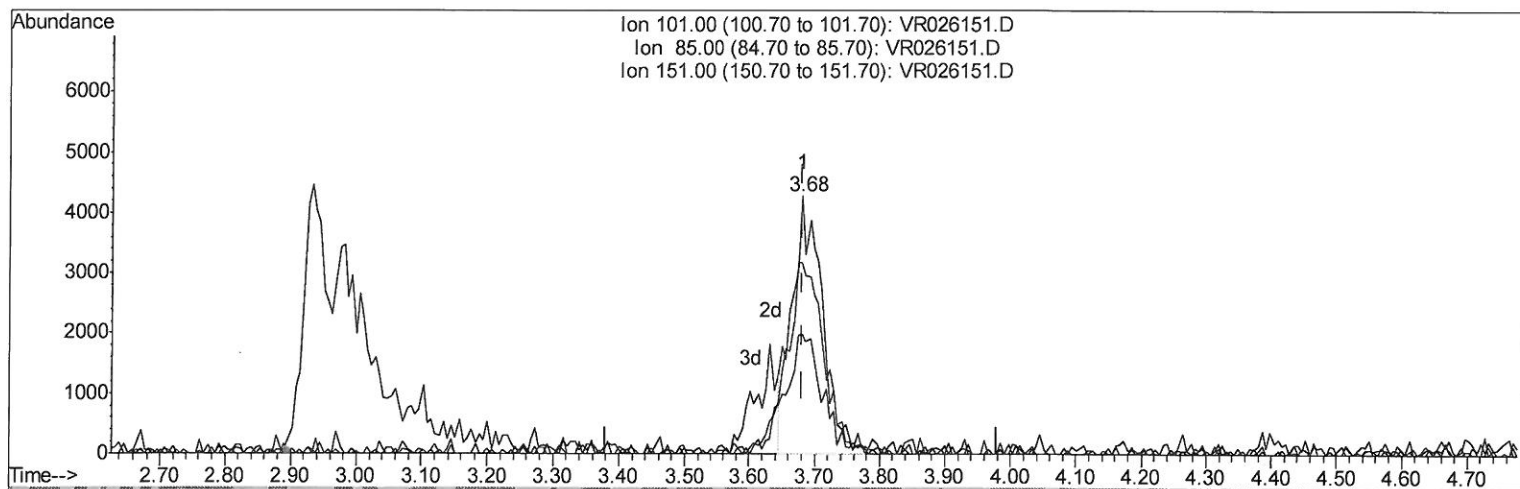
response 25481

Ion	Exp%	Act%
101.00	100	100
103.00	32.50	17.86#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101918\
Quantitation Report (Qedit)

Data File : VR026151.D
Acq On : 19 Oct 2018 15:44
Operator : SY/MD
Sample : MDL
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 20 02:00:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 20 01:53:32 2018
Response via : Initial Calibration



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

3.681min (+0.000) 0.27ug/L

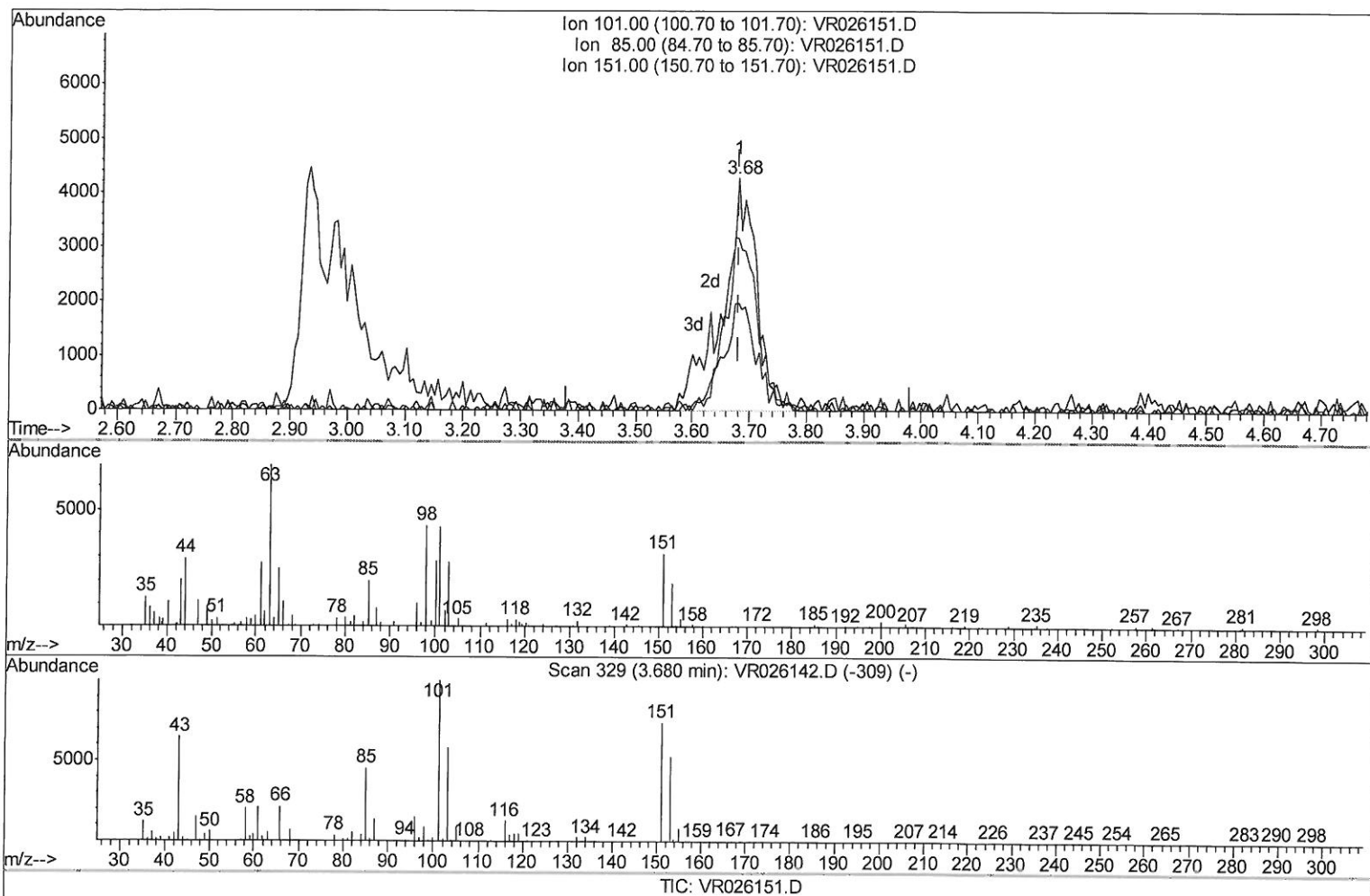
response 13782

Ion	Exp%	Act%
101.00	100	100
85.00	47.30	55.57
151.00	79.00	91.62
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101918\
Quantitation Report (Qedit)

Data File : VR026151.D
Acq On : 19 Oct 2018 15:44
Operator : SY/MD
Sample : MDL
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 20 02:00:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 20 01:53:32 2018
Response via : Initial Calibration



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

3.681min (+0.000) 0.35ug/L m

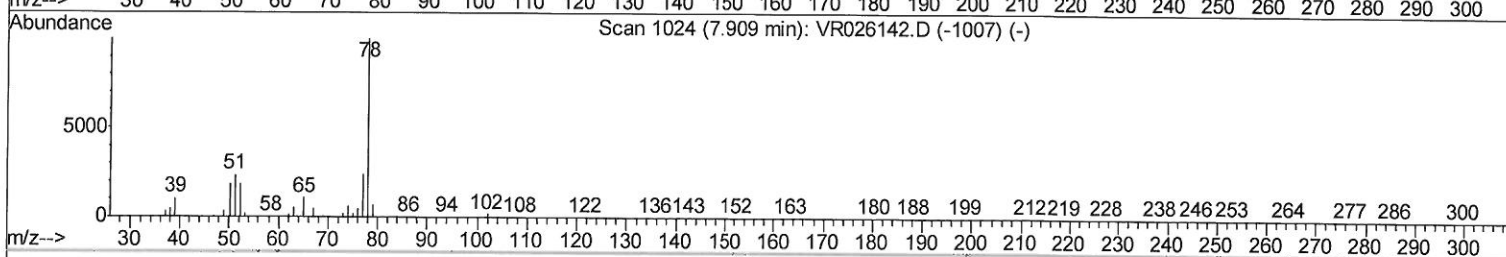
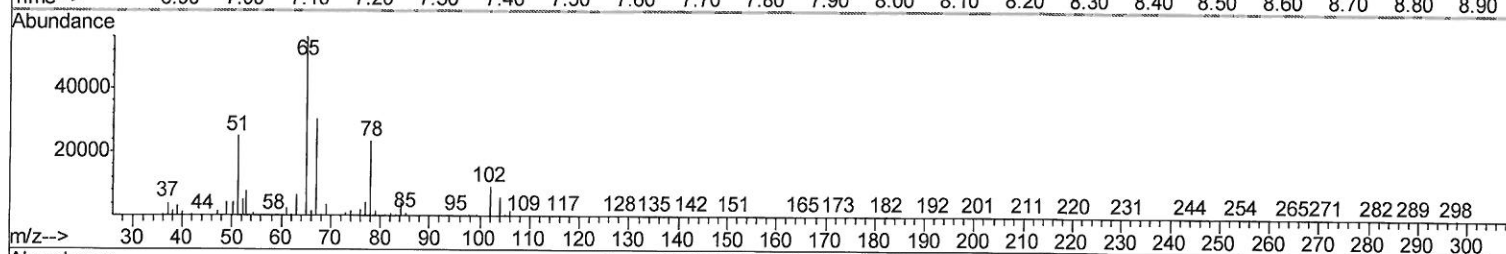
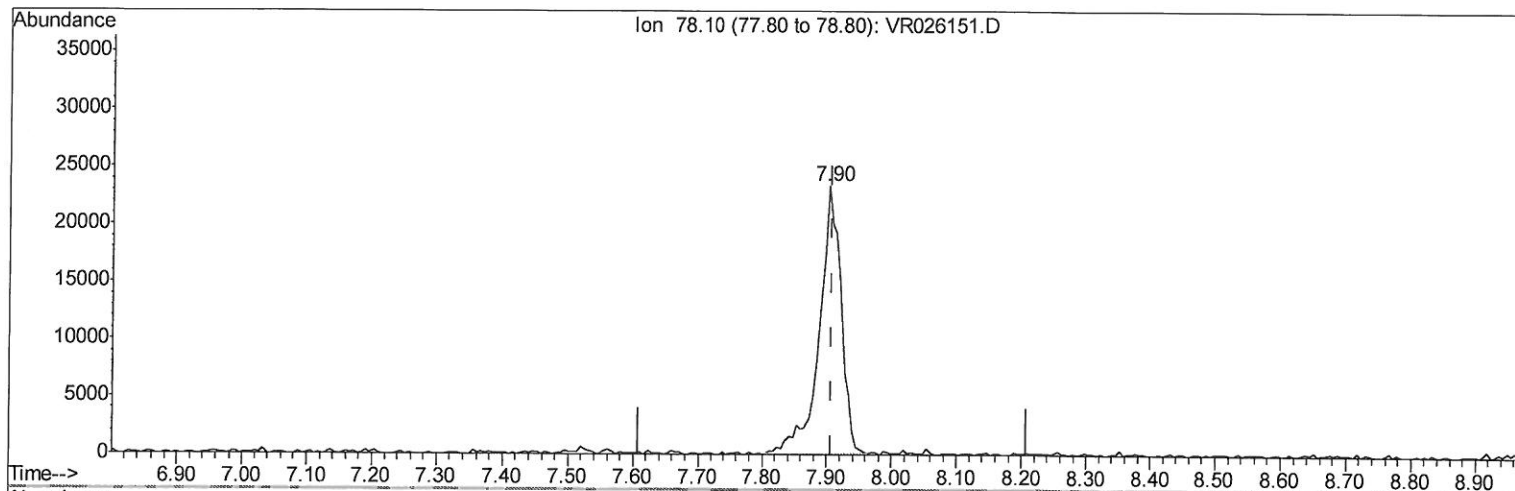
response 17663

Ion	Exp%	Act%
101.00	100	100
85.00	47.30	43.36
151.00	79.00	71.49
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101918\
Quantitation Report (Qedit)

Data File : VR026151.D
Acq On : 19 Oct 2018 15:44
Operator : SY/MD
Sample : MDL
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 20 02:00:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 20 01:53:32 2018
Response via : Initial Calibration



TIC: VR026151.D

(33) Benzene (T)

7.903min (-0.006) 0.30ug/L

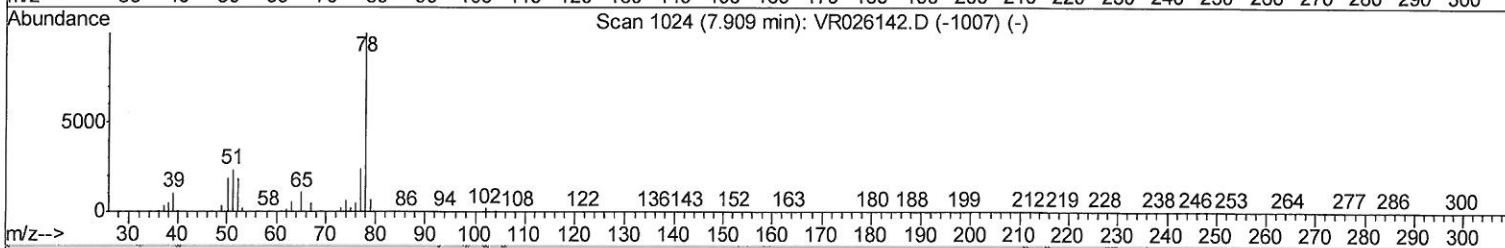
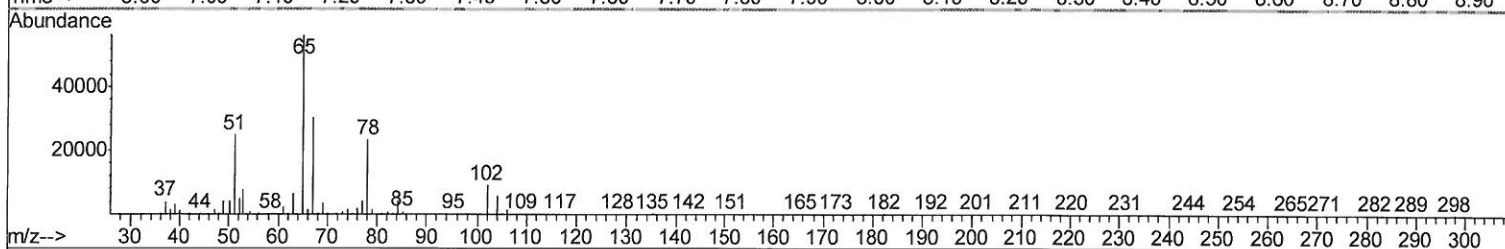
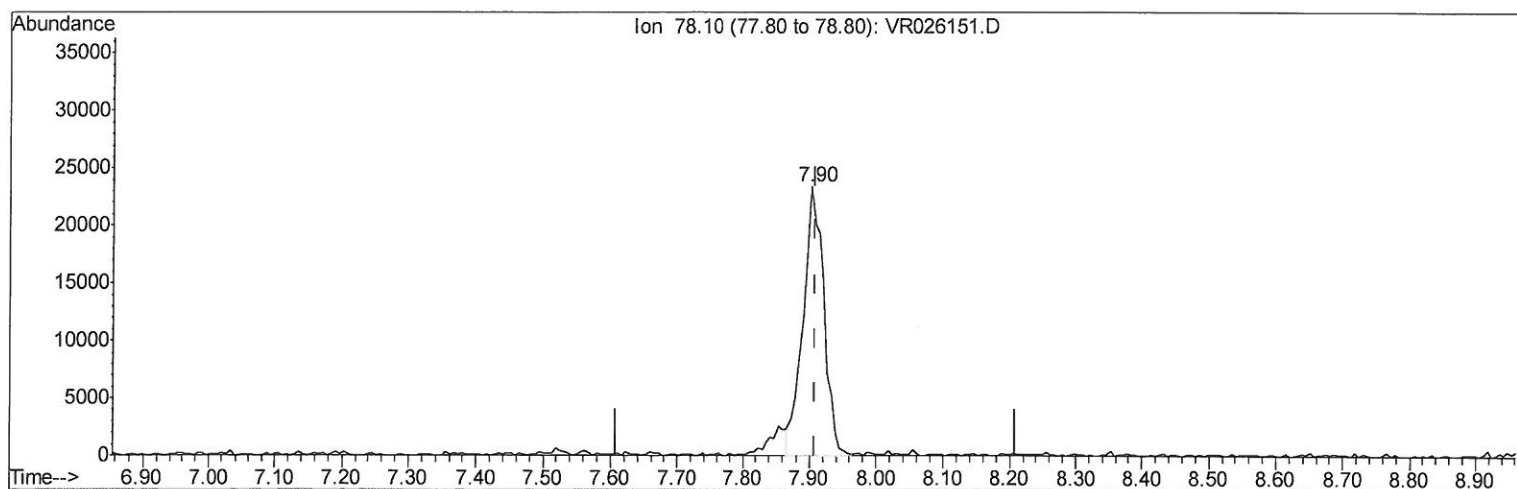
response 54559

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\VR101918\
Quantitation Report (Qedit)

Data File : VR026151.D
Acq On : 19 Oct 2018 15:44
Operator : SY/MD
Sample : MDL
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 20 02:00:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 20 01:53:32 2018
Response via : Initial Calibration



TIC: VR026151.D

(33) Benzene (T)

7.903min (-0.006) 0.28ug/L m

710/23/08 51

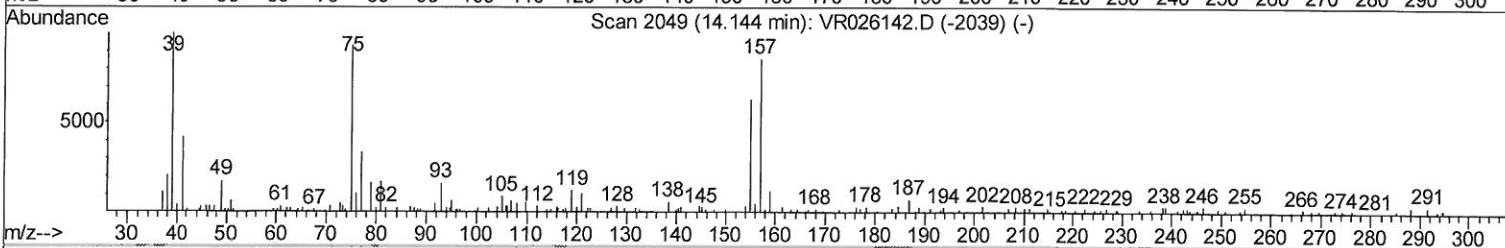
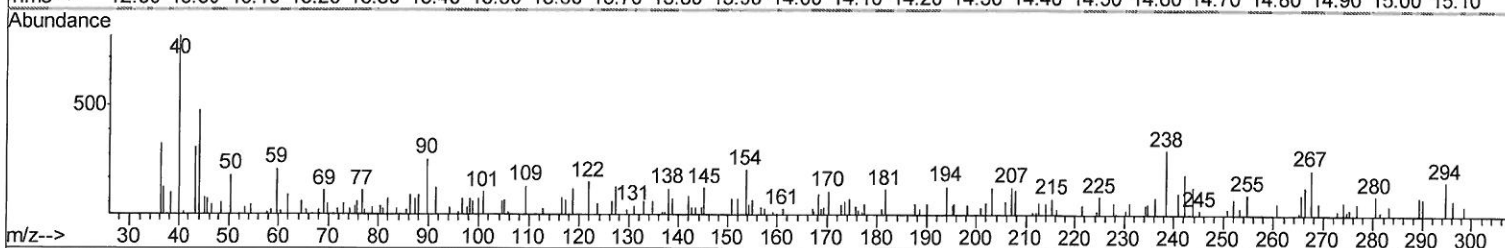
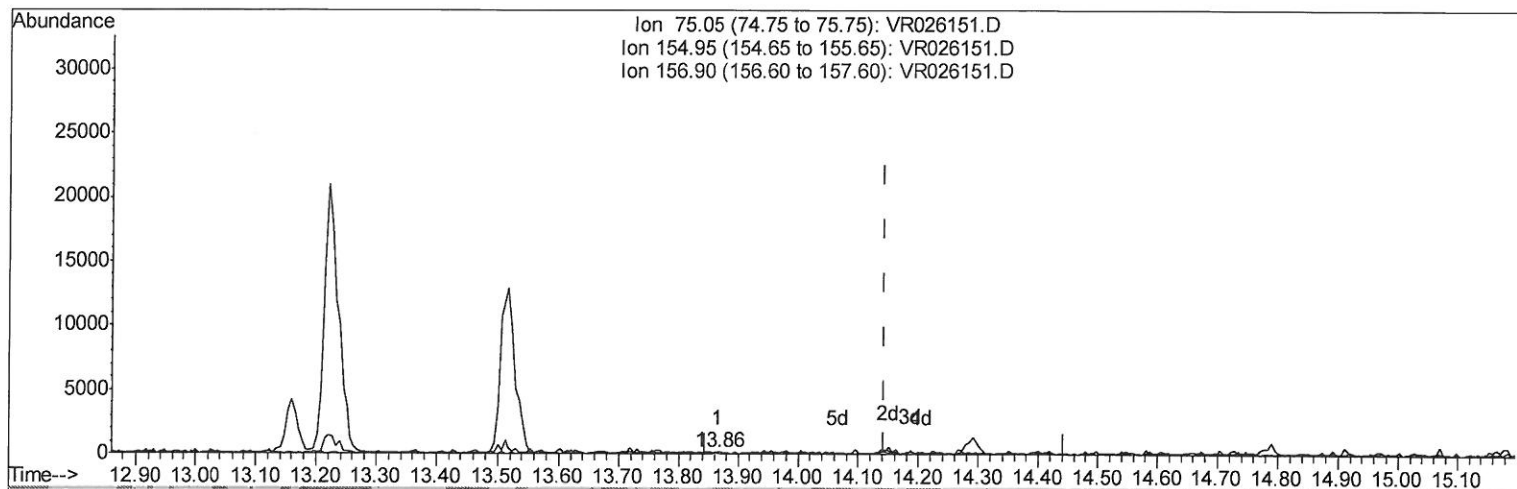
response 50828

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\VR101918\
Quantitation Report (Qedit)

Data File : VR026151.D
Acq On : 19 Oct 2018 15:44
Operator : SY/MD
Sample : MDL
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 20 02:00:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 20 01:53:32 2018
Response via : Initial Calibration



TIC: VR026151.D

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

13.864min (-0.280) 0.11ug/L

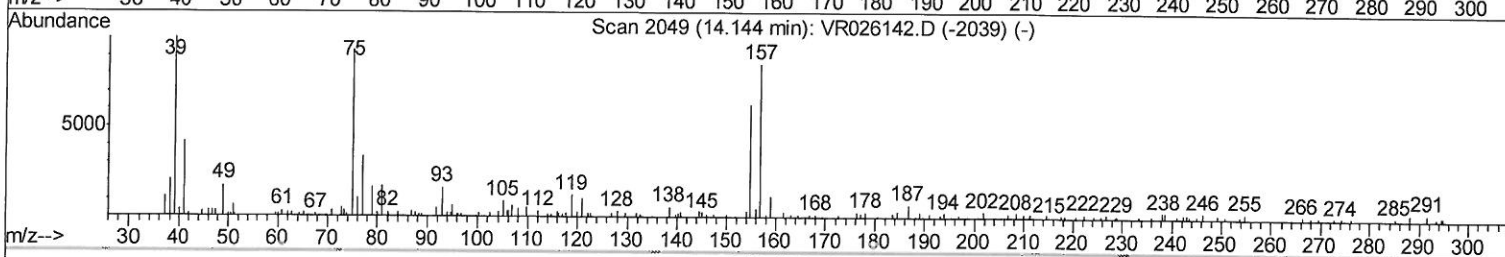
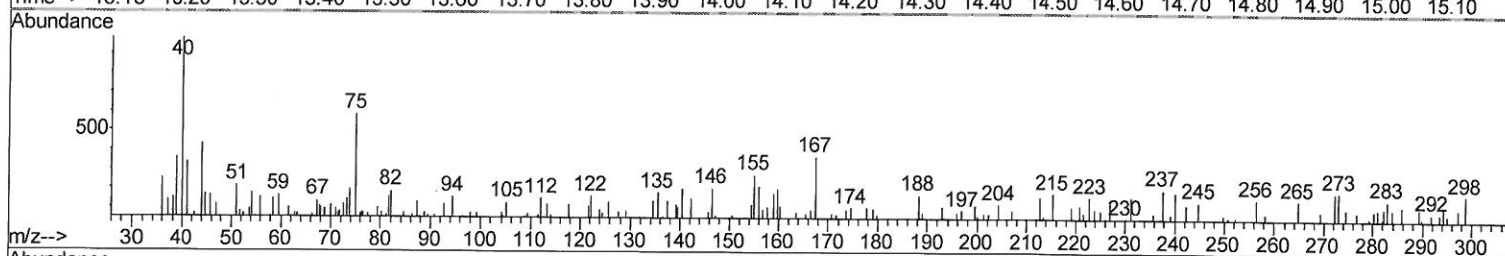
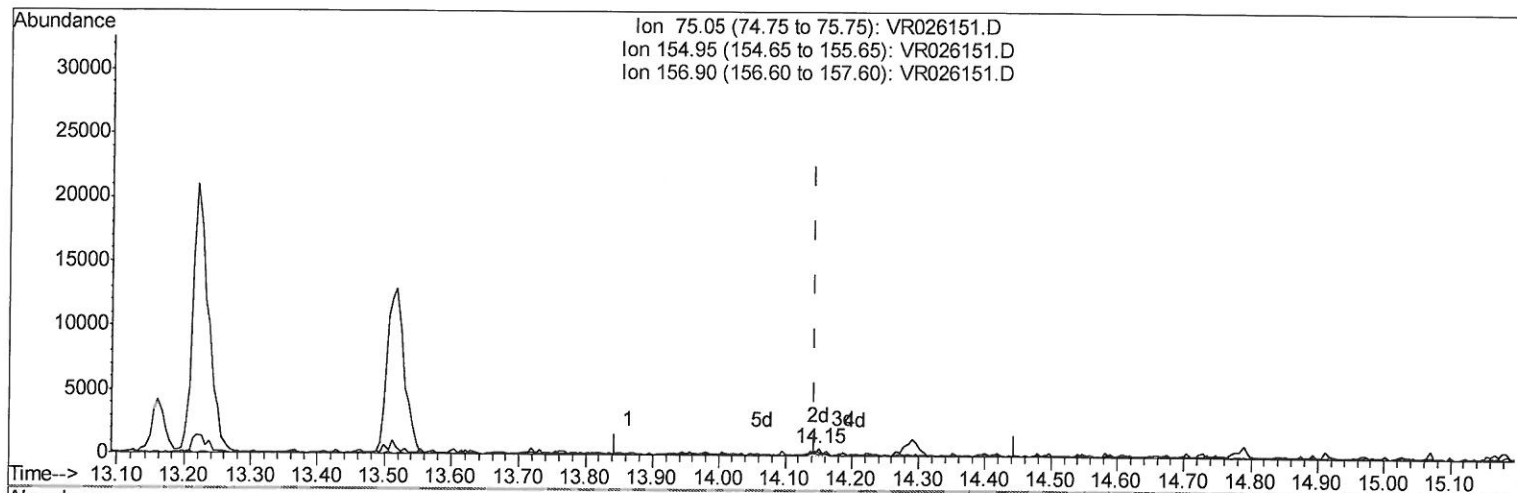
response 178

Ion	Exp%	Act%
75.05	100	100
154.95	51.10	58.42
156.90	84.10	81.58
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101918\
Quantitation Report (Qedit)

Data File : VR026151.D
Acq On : 19 Oct 2018 15:44
Operator : SY/MD
Sample : MDL
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 20 02:00:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 20 01:53:32 2018
Response via : Initial Calibration



TIC: VR026151.D

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

14.150min (+0.006) 0.43ug/L m

5102310854

response 719

Ion	Exp%	Act%
75.05	100	100
154.95	51.10	47.26
156.90	84.10	16.61#
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101918\
Quantitation Report (QT Reviewed)

Data File : VR026151.D
Acq On : 19 Oct 2018 15:44
Operator : SY/MD
Sample : MDL
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 20 02:28:21 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 20 01:53:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Difluorobenzene	8.46	114	558377	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	476850	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	154603	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	181019	3.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.00%
7) Chloroethane-d5	2.63	69	183850	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.60%
11) 1,1-Dichloroethene-d2	3.61	63	360438	3.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.00%
20) 2-Butanone-d5	6.59	46	226327	56.41	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.82%
24) Chloroform-d	7.20	84	335774	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
26) 1,2-Dichloroethane-d4	7.90	65	144987	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
32) Benzene-d6	7.85	84	650941	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.00%
36) 1,2-Dichloropropane-d6	8.90	67	188438	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	9.97	98	561263	3.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.60%
43) trans-1,3-Dichloropropene-	10.24	79	38668	3.73	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.60%
46) 2-Hexanone-d5	10.59	63	180849	60.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.72%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	76525	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.60%
64) 1,2-Dichlorobenzene-d4	13.52	152	117789	4.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.40%

Target Compounds

				Qvalue	
2) Dichlorodifluoromethane	1.83	85	8904m	0.237 ug/L	
3) Chloromethane	2.01	50	18195	0.305 ug/L	99
5) Vinyl chloride	2.15	62	17979	0.303 ug/L	99
6) Bromomethane	2.52	94	11370	0.290 ug/L	89
8) Chloroethane	2.67	64	10941m	0.298 ug/L	
9) Trichlorofluoromethane	2.93	101	25481m	0.297 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	17663m	0.346 ug/L	
12) 1,1-Dichloroethene	3.63	96	19901	0.367 ug/L	# 1
13) Acetone	3.70	43	14179	3.419 ug/L	68
14) Carbon disulfide	3.93	76	31687	0.223 ug/L	97
15) Methyl Acetate	4.19	43	5280	0.487 ug/L	95
16) Methylene chloride	4.41	84	18987	0.386 ug/L	94
17) Methyl tert-butyl Ether	4.88	73	12171	0.247 ug/L	# 70
18) trans-1,2-Dichloroethene	4.89	96	10564	0.257 ug/L	95
19) 1,1-Dichloroethane	5.69	63	21785	0.283 ug/L	88
21) 2-Butanone	6.69	43	12093	2.527 ug/L	86
22) cis-1,2-Dichloroethene	6.67	96	10064	0.259 ug/L	# 99

10/23/18 24

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101918\
Quantitation Report (QT Reviewed)

Data File : VR026151.D
Acq On : 19 Oct 2018 15:44
Operator : SY/MD
Sample : MDL
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 20 02:28:21 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 20 01:53:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	3500	0.321	ug/L	73
25) Chloroform	7.23	83	23139	0.308	ug/L	96
27) 1,2-Dichloroethane	7.99	62	11193	0.304	ug/L #	89
29) 1,1,1-Trichloroethane	7.43	97	17235	0.265	ug/L	99
30) Cyclohexane	7.51	56	12309	0.188	ug/L	94
31) Carbon tetrachloride	7.65	117	15616	0.264	ug/L	96
33) Benzene	7.90	78	50828m	0.284	ug/L	16/23/18 Sy
34) Trichloroethene	8.71	95	12889	0.281	ug/L	82
35) Methylcyclohexane	8.96	83	14336	0.210	ug/L	90
37) 1,2-Dichloropropane	8.99	63	10484	0.278	ug/L #	94
38) Bromodichloromethane	9.28	83	10950	0.270	ug/L #	91
39) cis-1,3-Dichloropropene	9.72	75	10390	0.240	ug/L	94
40) 4-Methyl-2-pentanone	9.87	43	26887	2.332	ug/L #	91
42) Toluene	10.03	91	49070	0.260	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	8777	0.291	ug/L #	80
45) 1,1,2-Trichloroethane	10.45	97	4822	0.303	ug/L	86
47) Tetrachloroethene	10.52	164	7862	0.240	ug/L	90
48) 2-Hexanone	10.63	43	20368	2.705	ug/L #	97
49) Dibromochloromethane	10.78	129	4472	0.250	ug/L	90
50) 1,2-Dibromoethane	10.89	107	3667	0.267	ug/L	99
51) Chlorobenzene	11.32	112	28890	0.276	ug/L	96
52) Ethylbenzene	11.39	91	48842	0.225	ug/L	93
53) m,p-Xylene	11.50	106	17492	0.221	ug/L	77
54) o-Xylene	11.83	106	13960	0.192	ug/L	86
55) Styrene	11.84	104	19707	0.177	ug/L	99
56) Isopropylbenzene	12.13	105	37897	0.188	ug/L	96
58) 1,1,2,2-Tetrachloroethane	12.39	83	4314	0.267	ug/L #	81
59) 1,2,3-Trichloropropane	12.44	75	3679	0.310	ug/L	100
61) Bromoform	12.00	173	1534	0.285	ug/L #	90
62) 1,3-Dichlorobenzene	13.16	146	13038	0.254	ug/L	89
63) 1,4-Dichlorobenzene	13.24	146	15321	0.288	ug/L	86
65) 1,2-Dichlorobenzene	13.53	146	13527	0.328	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.15	75	719m	0.428	ug/L	16/23/18 Sy
67) 1,3,5-Trichlorobenzene	14.29	180	8179	0.261	ug/L	97
68) 1,2,4-trichlorobenzene	14.79	180	4601	0.252	ug/L #	88
69) Naphthalene	15.00	128	3173	0.179	ug/L #	84
70) 1,2,3-Trichlorobenzene	15.18	180	2934	0.231	ug/L #	83

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