

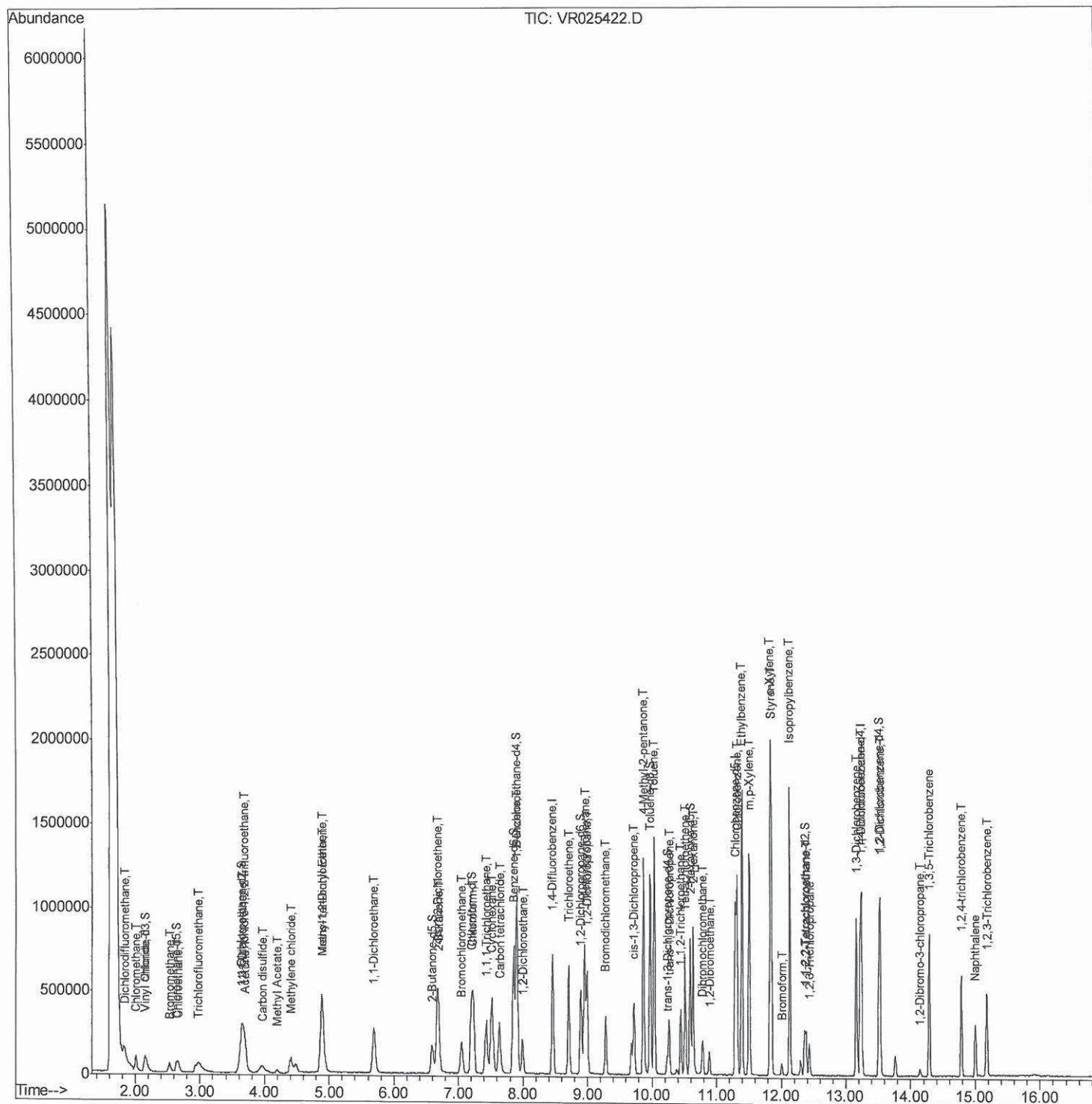
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR062218\
Data File : VR025422.D
Acq On : 22 Jun 2018 20:51
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_R
LabSampleId :
VSTD00596

Manual Integrations
APPROVED

MMDadoda
6/26/2018 12:02:24 PM

Quant Time: Jun 22 23:25:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR061518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 22 22:38:28 2018
Response via : Initial Calibration



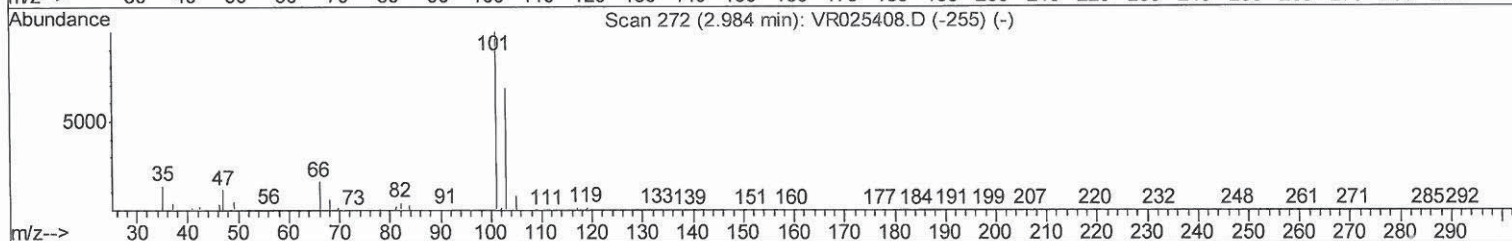
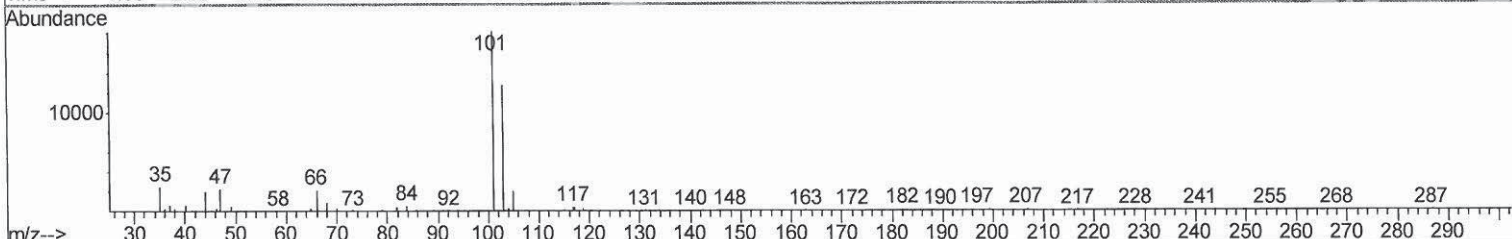
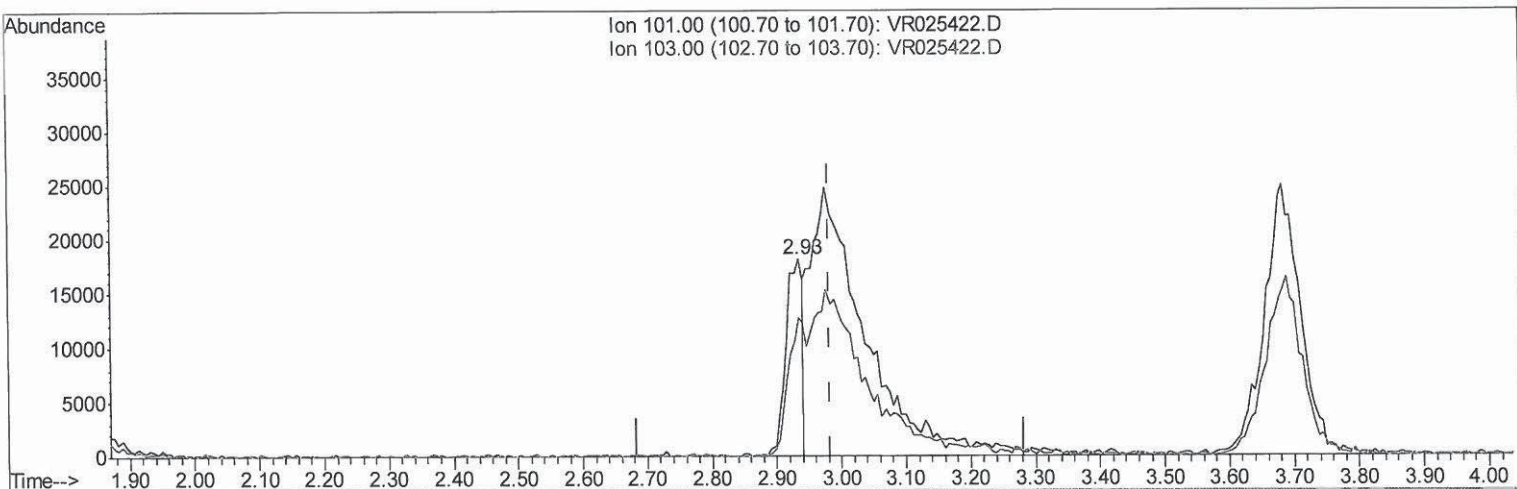
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR062218\
 Data File : VR025422.D
 Acq On : 22 Jun 2018 20:51
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_R
 LabSampleId :
 VSTD00596

Manual Integrations
 APPROVED

MMDadoda
 6/26/2018 12:02:24 PM

Quant Time: Jun 22 23:24:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR061518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 22 22:38:28 2018
 Response via : Initial Calibration



TIC: VR025422.D

(9) Trichlorofluoromethane (T)

2.935min (-0.049) 1.01ug/L

response 33299

Ion	Exp%	Act%
101.00	100	100
103.00	13.70	75.90#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

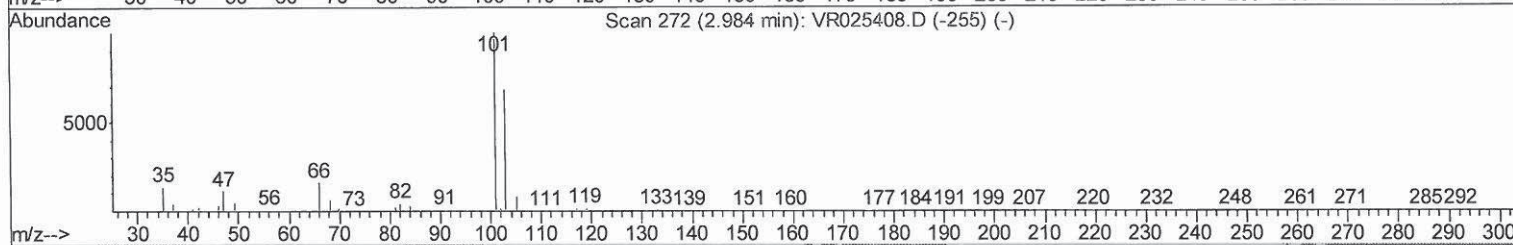
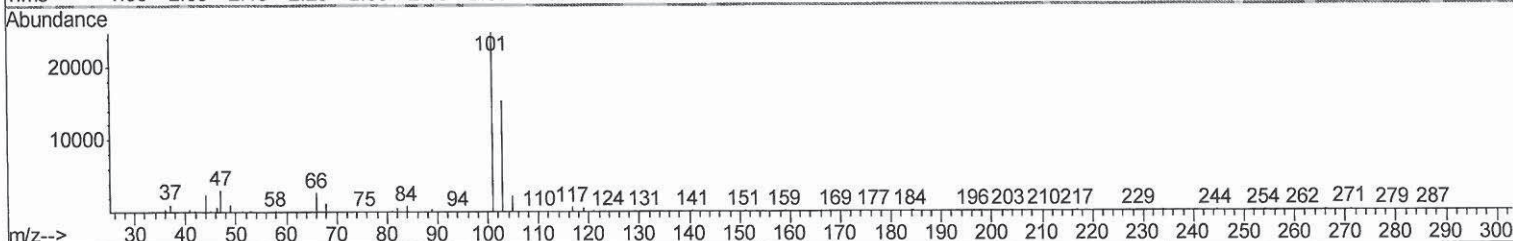
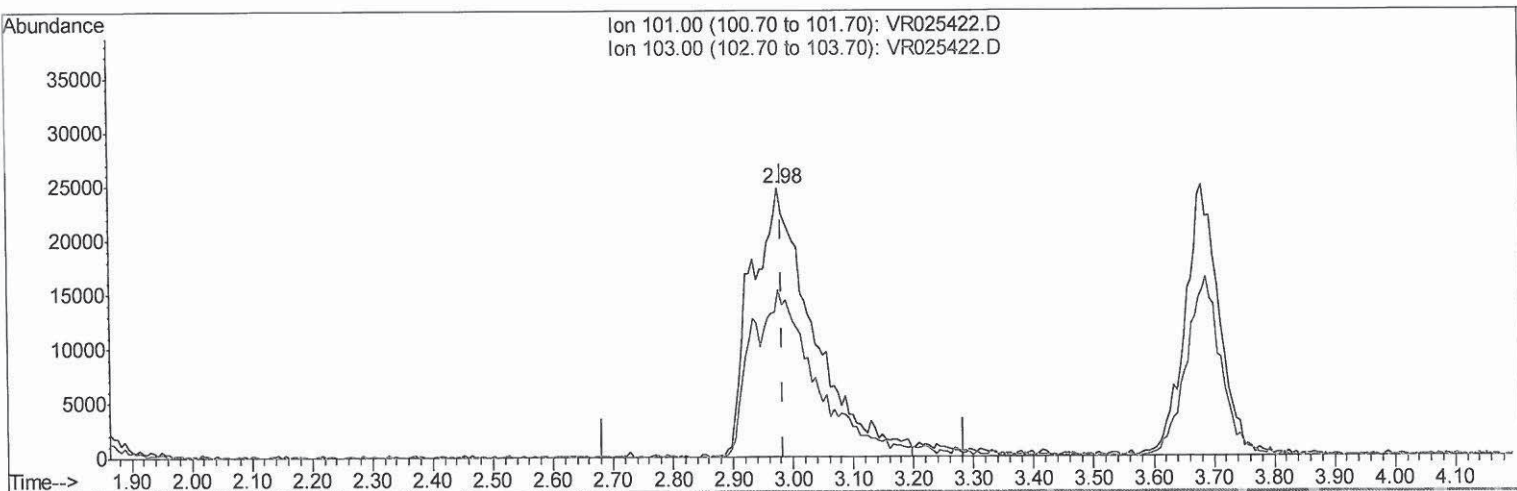
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR062218\
Data File : VR025422.D
Acq On : 22 Jun 2018 20:51
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_R
LabSampleId :
VSTD00596

Manual Integrations
APPROVED

MMDadoda
6/26/2018 12:02:24 PM

Quant Time: Jun 22 23:24:44 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR061518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 22 22:38:28 2018
Response via : Initial Calibration



TIC: VR025422.D

(9) Trichlorofluoromethane (T)

2.978min (-0.006) 5.31ug/L m

response 174955

Ion	Exp%	Act%
101.00	100	100
103.00	13.70	14.45
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

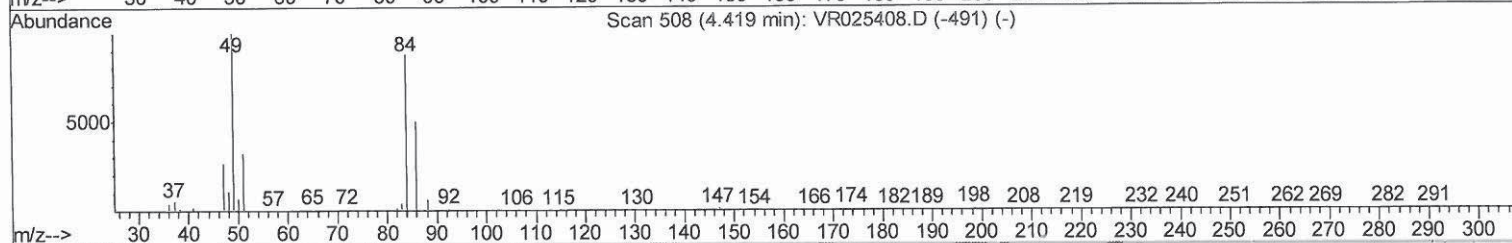
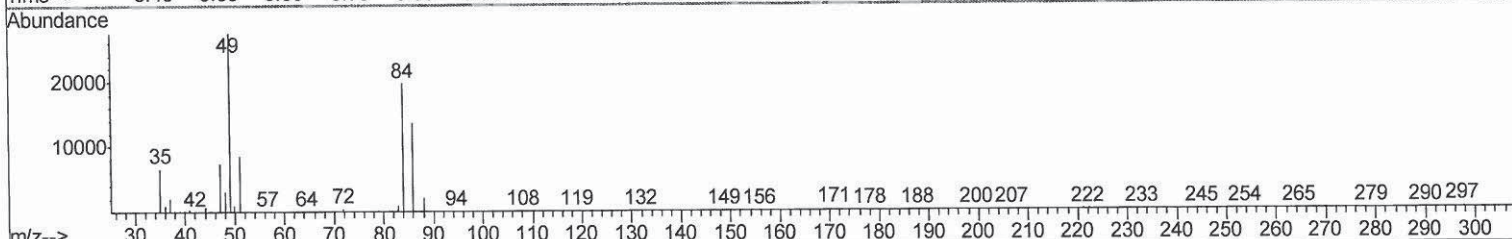
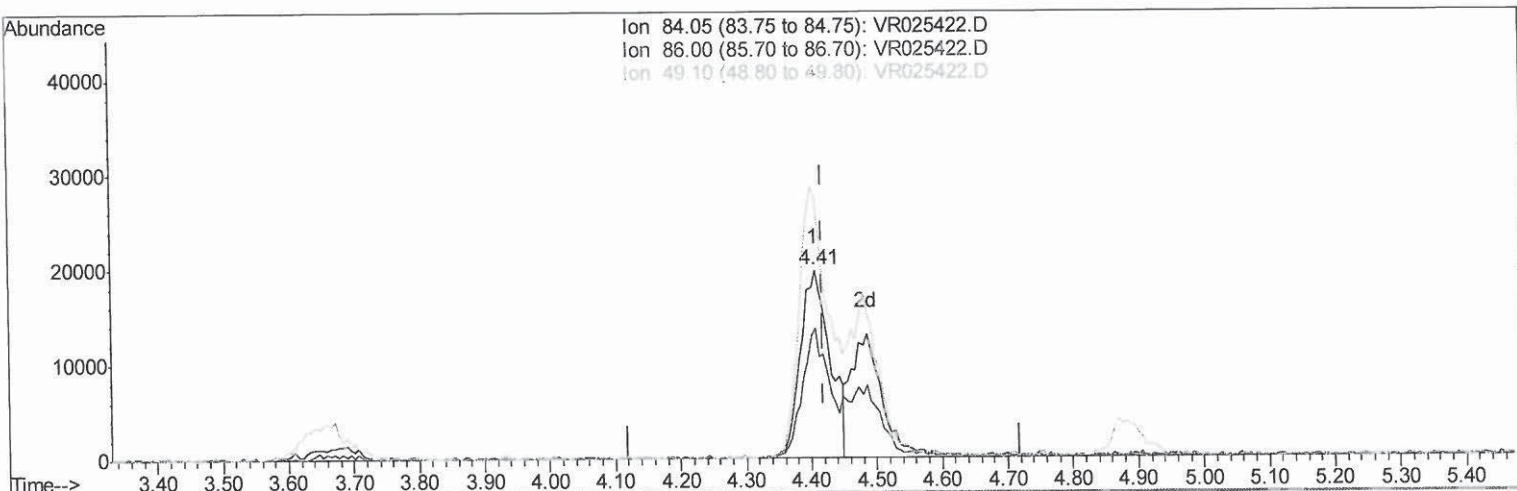
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR062218\
 Data File : VR025422.D
 Acq On : 22 Jun 2018 20:51
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_R
 LabSampleId :
 VSTD00596

Manual Integrations
 APPROVED

MMDadoda
 6/26/2018 12:02:24 PM

Quant Time: Jun 22 23:24:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR061518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 22 22:38:28 2018
 Response via : Initial Calibration



TIC: VR025422.D

(16) Methylene chloride (T)

4.407min (-0.012) 3.62ug/L

response 63019

Ion	Exp%	Act%
84.05	100	100
86.00	62.40	69.29
49.10	124.60	139.24
0.00	0.00	0.00

Quantitation Report (Qedit)

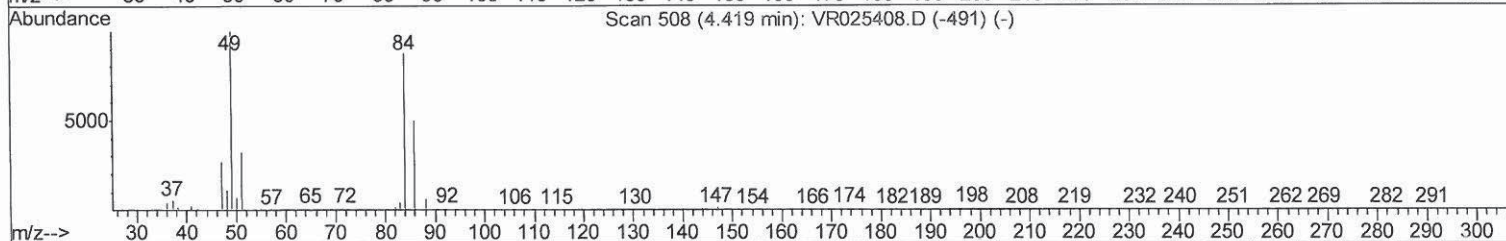
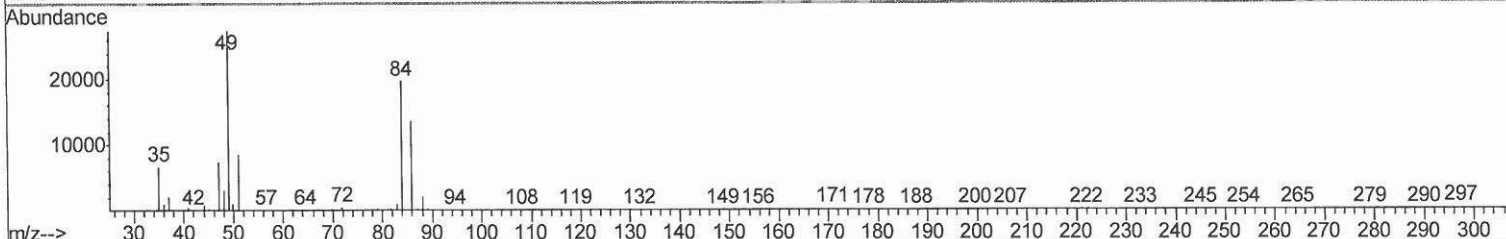
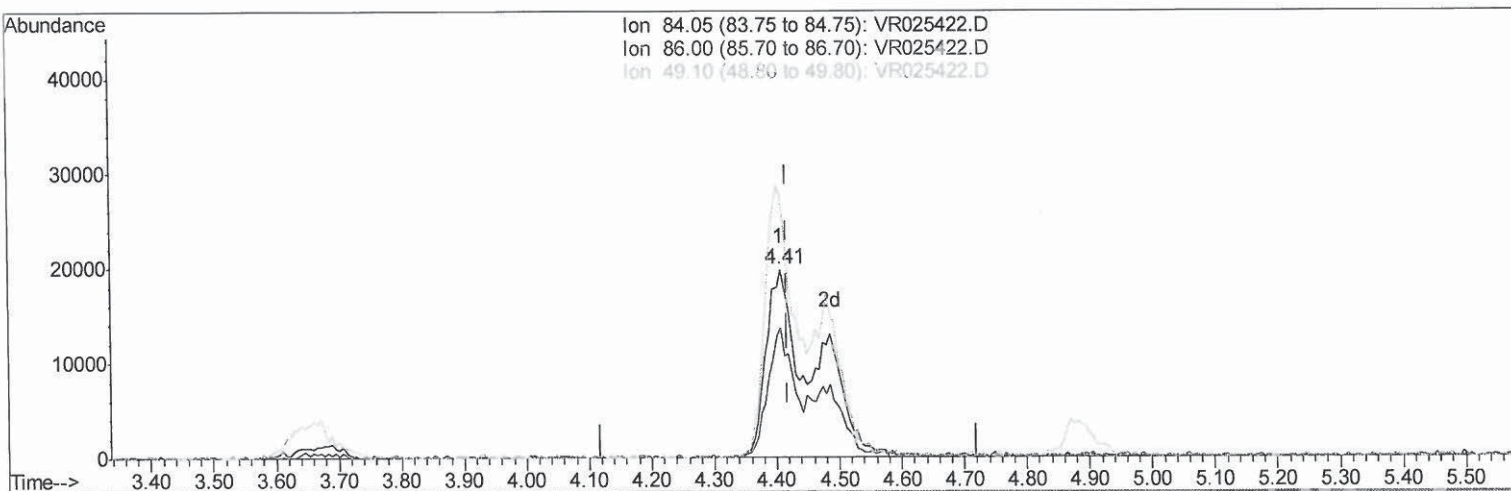
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR062218\
 Data File : VR025422.D
 Acq On : 22 Jun 2018 20:51
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_R
 LabSampleId :
 VSTD00596

Manual Integrations
 APPROVED

MMDadoda
 6/26/2018 12:02:24 PM

Quant Time: Jun 22 23:24:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR061518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 22 22:38:28 2018
 Response via : Initial Calibration



TIC: VR025422.D

(16) Methylene chloride (T)

4.407min (-0.012) 6.02ug/L m

response 104882

Ion	Exp%	Act%
84.05	100	100
86.00	62.40	69.29
49.10	124.60	139.24
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR062218\
 Data File : VR025422.D
 Acq On : 22 Jun 2018 20:51
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_R
 LabSampleId :
 VSTD00596

Manual Integrations
 APPROVED

MMDadoda
 6/26/2018 12:02:24 PM

Quant Time: Jun 22 23:25:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR061518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 22 22:38:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	544411	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	453418	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	183593	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	84438	4.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.00%
7) Chloroethane-d5	2.64	69	62998	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.40%
11) 1,1-Dichloroethene-d2	3.63	63	224897	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.40%
20) 2-Butanone-d5	6.59	46	302539	60.87	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.74%
24) Chloroform-d	7.20	84	387415	5.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.80%
26) 1,2-Dichloroethane-d4	7.89	65	151583	5.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.40%
32) Benzene-d6	7.86	84	806012	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
36) 1,2-Dichloropropane-d6	8.90	67	235496	5.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.80%
41) Toluene-d8	9.97	98	707880	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
43) trans-1,3-Dichloropropene-	10.24	79	51011	4.39	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.80%
46) 2-Hexanone-d5	10.59	63	264090	65.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	130.92%#
57) 1,1,2,2-Tetrachloroethane-	12.36	84	109011	6.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	128.20%#
64) 1,2-Dichlorobenzene-d4	13.51	152	160243	5.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	171961	4.887	ug/L	96
3) Chloromethane	2.01	50	104812	4.115	ug/L	100
5) Vinyl chloride	2.16	62	98680	4.378	ug/L	94
6) Bromomethane	2.53	94	43783	3.984	ug/L	97
8) Chloroethane	2.67	64	52537	4.464	ug/L	91
9) Trichlorofluoromethane	2.98	101	174955m	5.313	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	96062	4.973	ug/L	98
12) 1,1-Dichloroethene	3.66	96	94973	4.963	ug/L	87
13) Acetone	3.70	43	127292	56.705	ug/L	98
14) Carbon disulfide	3.96	76	153707	3.818	ug/L	96
15) Methyl Acetate	4.19	43	29113	5.158	ug/L	97
16) Methylene chloride	4.41	84	104882m	6.024	ug/L	
17) Methyl tert-butyl Ether	4.90	73	296066	5.190	ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	212380	5.399	ug/L	94
19) 1,1-Dichloroethane	5.69	63	409961	5.547	ug/L	98
21) 2-Butanone	6.69	43	328077	61.833	ug/L	99
22) cis-1,2-Dichloroethene	6.68	96	228700	5.571	ug/L #	94

07/02/18 SY

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR062218\
 Data File : VR025422.D
 Acq On : 22 Jun 2018 20:51
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_R
 LabSampleId :
 VSTD00596

Manual Integrations
 APPROVED

MMDadoda
 6/26/2018 12:02:24 PM

Quant Time: Jun 22 23:25:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR061518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 22 22:38:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	66620	5.541	ug/L	90
25) Chloroform	7.23	83	390620	5.782	ug/L	96
27) 1,2-Dichloroethane	7.99	62	173798	5.636	ug/L #	94
29) 1,1,1-Trichloroethane	7.43	97	258641	4.802	ug/L	98
30) Cyclohexane	7.52	56	294608	4.285	ug/L	99
31) Carbon tetrachloride	7.64	117	236748	5.007	ug/L	99
33) Benzene	7.91	78	934671	5.250	ug/L	100
34) Trichloroethene	8.71	95	218571	5.075	ug/L	98
35) Methylcyclohexane	8.96	83	306681	4.512	ug/L	98
37) 1,2-Dichloropropane	8.99	63	225674	5.702	ug/L	100
38) Bromodichloromethane	9.28	83	214927	5.600	ug/L	98
39) cis-1,3-Dichloropropene	9.72	75	228062	4.893	ug/L	99
40) 4-Methyl-2-pentanone	9.86	43	778632	60.800	ug/L	98
42) Toluene	10.03	91	961446	5.040	ug/L	95
44) trans-1,3-Dichloropropene	10.27	75	157419	4.910	ug/L	100
45) 1,1,2-Trichloroethane	10.44	97	106979	5.823	ug/L	98
47) Tetrachloroethene	10.51	164	143185	4.980	ug/L	95
48) 2-Hexanone	10.63	43	519379	63.622	ug/L	96
49) Dibromochloromethane	10.78	129	93488	5.285	ug/L	100
50) 1,2-Dibromoethane	10.89	107	84567	5.742	ug/L	98
51) Chlorobenzene	11.31	112	547931	5.363	ug/L	98
52) Ethylbenzene	11.39	91	1057826	5.589	ug/L	98
53) m,p-Xylene	11.50	106	389206	5.386	ug/L	98
54) o-Xylene	11.83	106	358473	5.551	ug/L	99
55) Styrene	11.85	104	595349	5.999	ug/L	91
56) Isopropylbenzene	12.13	105	974148	5.611	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	108989	6.406	ug/L	94
59) 1,2,3-Trichloropropane	12.44	75	73398	5.978	ug/L	96
61) Bromoform	12.01	173	27138	4.145	ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	320726	4.977	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	344893	5.354	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	283002	5.481	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.15	75	9887	4.846	ug/L #	81
67) 1,3,5-Trichlorobenzene	14.29	180	218974	5.132	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	152121	5.121	ug/L	99
69) Naphthalene	15.00	128	211618	5.473	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	129574	5.636	ug/L	99

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