

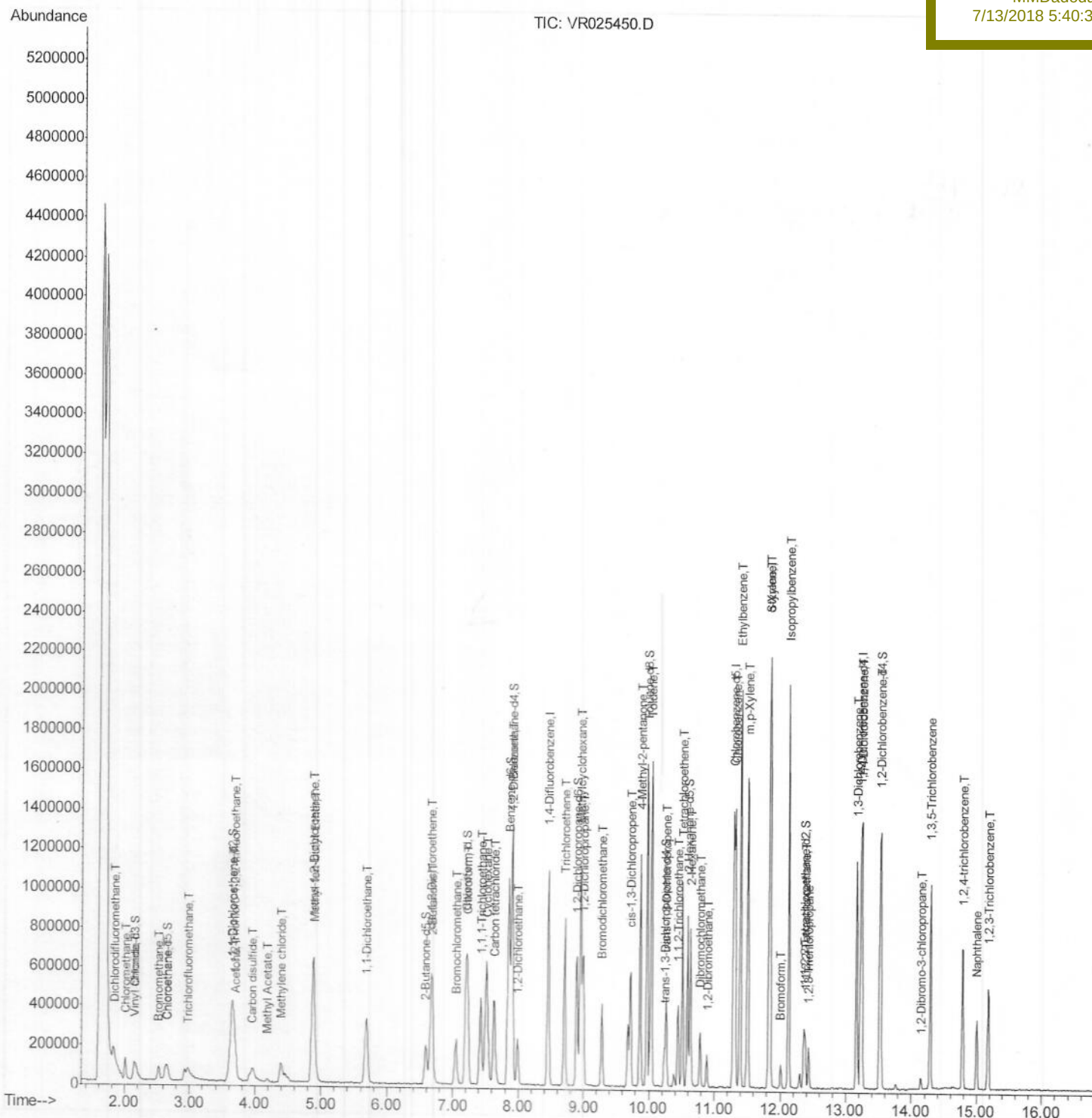
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071218\
Data File : VR025450.D
Acq On : 12 Jul 2018 10:52
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 13 00:33:01 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 05 15:29:58 2018
Response via : Initial Calibration

Instrument :
MSVOA_R
LabSampleId :
VSTD00588

Manual Integrations
APPROVED

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7/13/2018 5:40:35 PM



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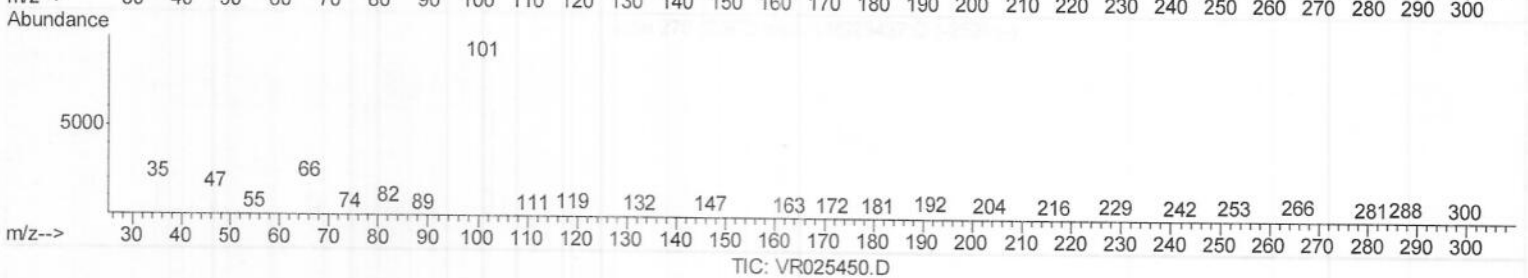
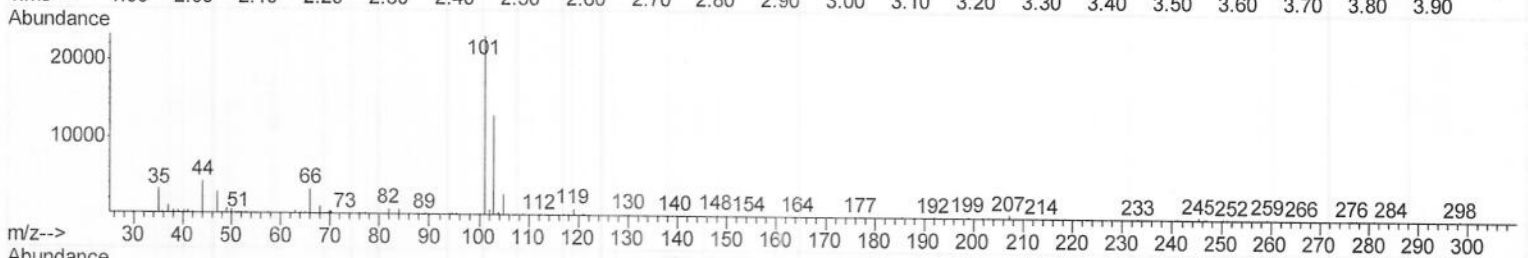
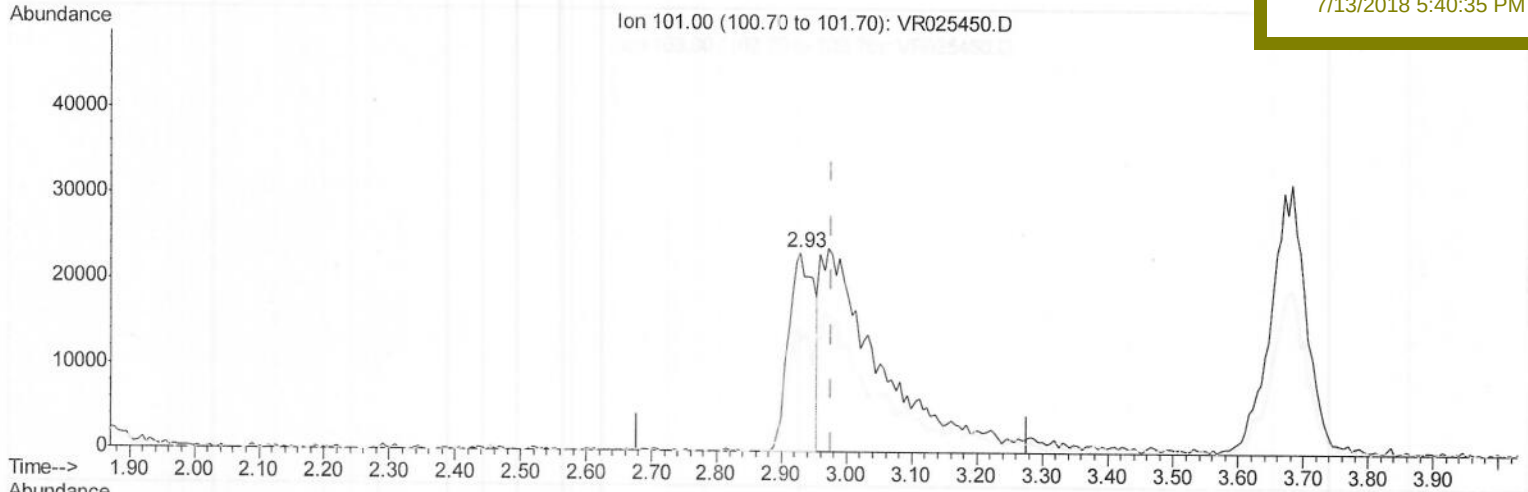
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TIC: VR025450.D

(9) Trichlorofluoromethane (T)

2.929min (-0.049) 1.48ug/L

response 63961

Ion	Exp%	Act%
101.00	100	100
103.00	13.70	55.37#
0.00	0.00	0.00
0.00	0.00	0.00

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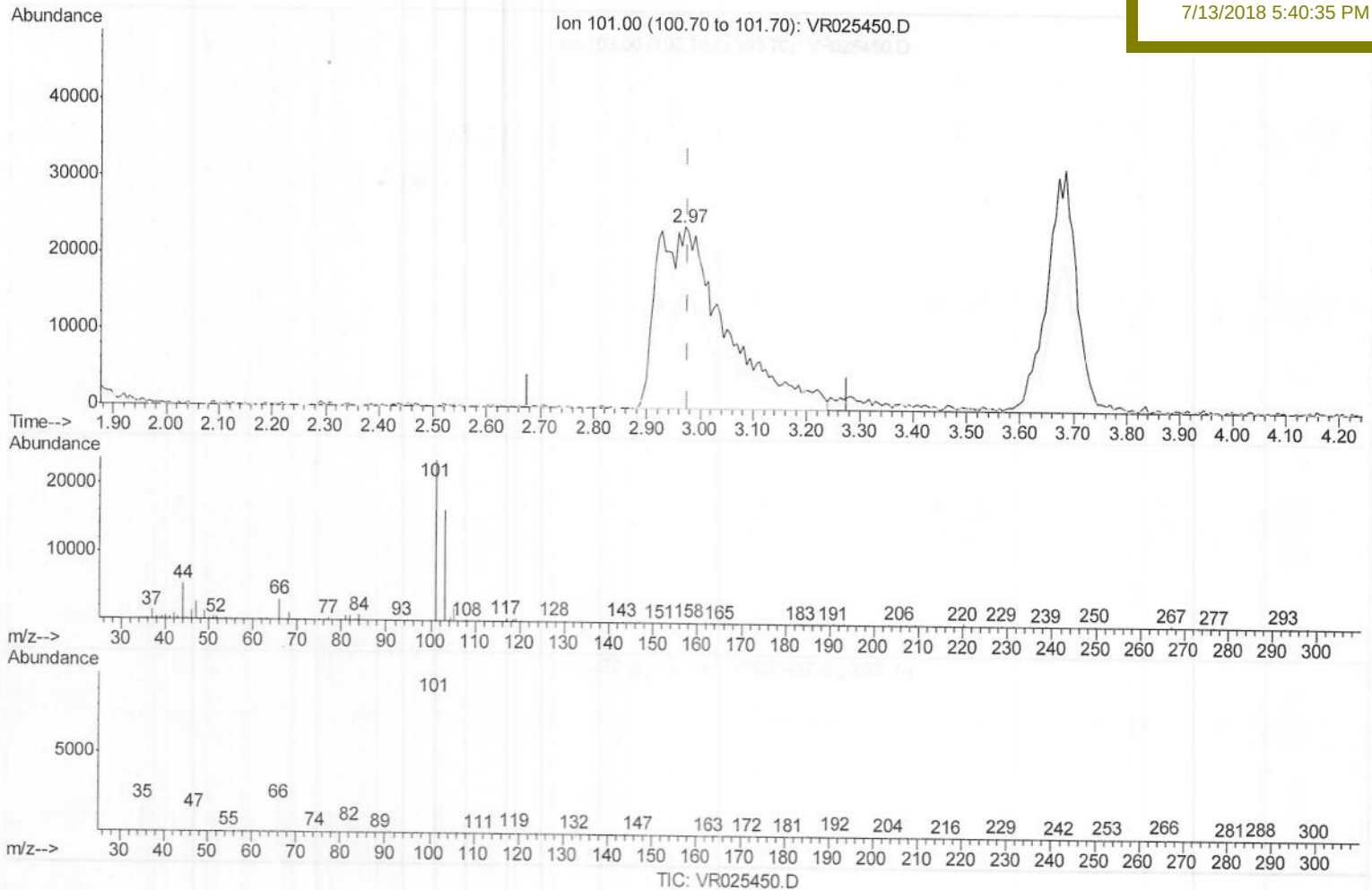
VSTD00588

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(9) Trichlorofluoromethane (T)

2.972min (-0.006) 5.00ug/L m) MD
response 215399 07/23/18

Ion	Exp%	Act%
101.00	100	100
103.00	13.70	16.44#
0.00	0.00	0.00
0.00	0.00	0.00

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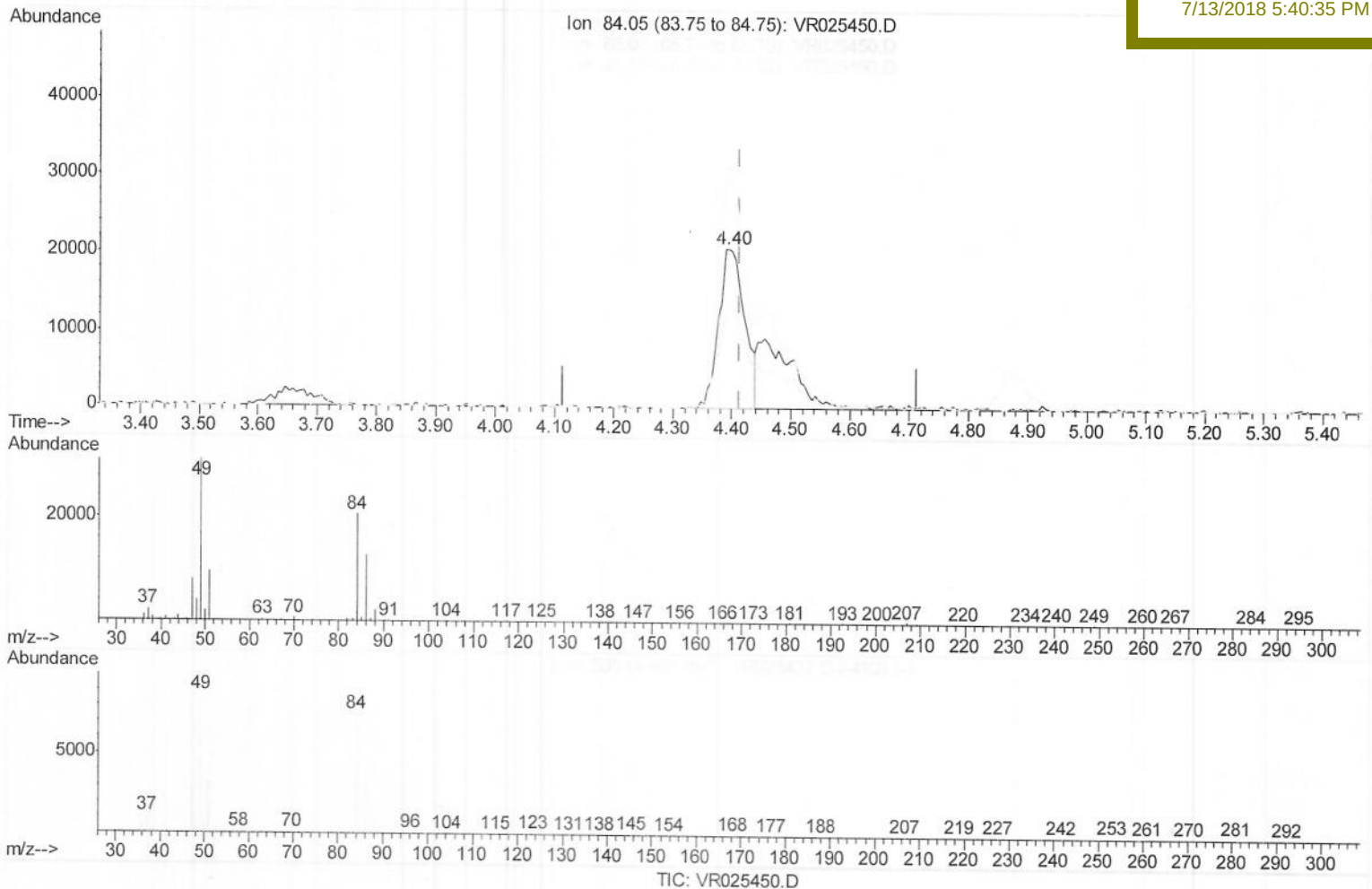
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(16) Methylene chloride (T)

4.395min (-0.018) 2.48ug/L

response 63816

Ion	Exp%	Act%
84.05	100	100
86.00	62.40	62.09
49.10	124.60	150.74
0.00	0.00	0.00

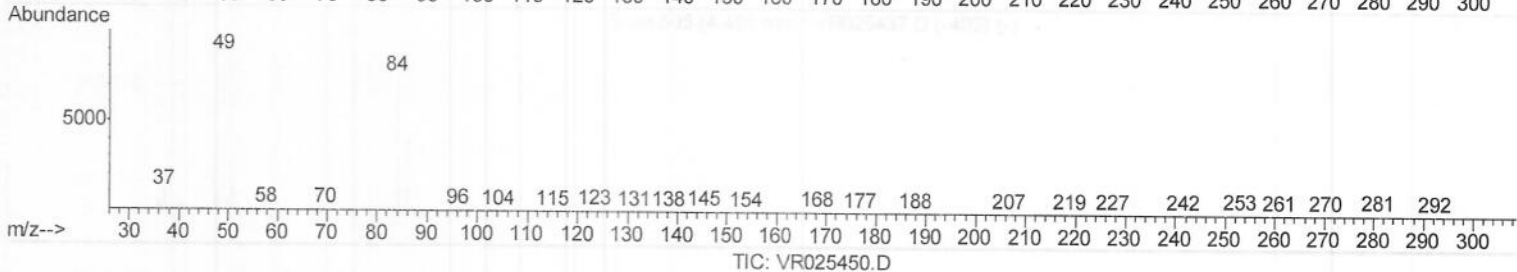
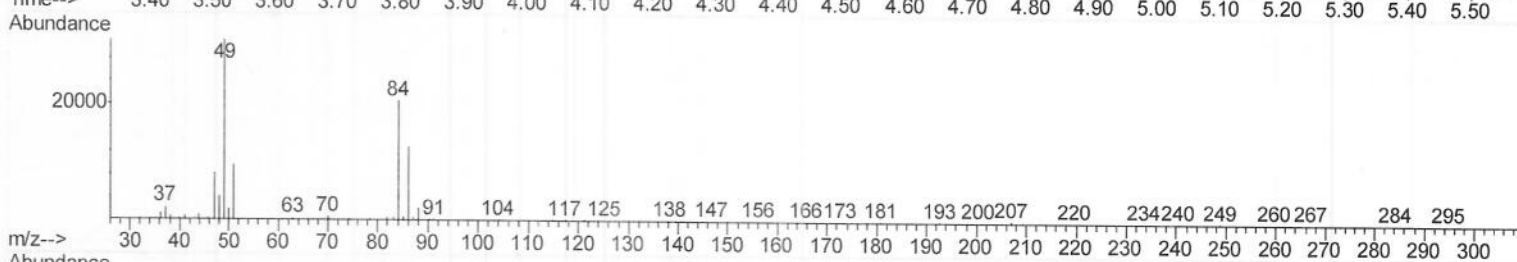
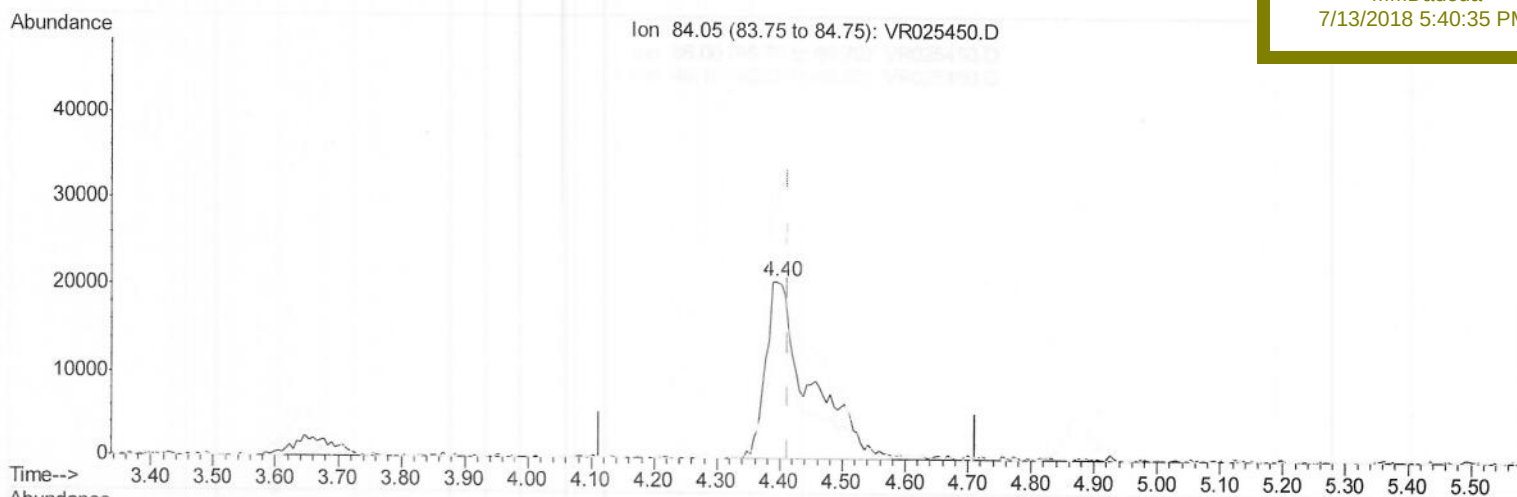
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(16) Methylene chloride (T)

4.395min (-0.018) 3.95ug/L m

response 101471

Ion	Exp%	Act%
84.05	100	100
86.00	62.40	62.09
49.10	124.60	150.74
0.00	0.00	0.00

MP
 07/23/18

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	877015	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	673784	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	260233	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	100759	4.17	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	83.40%		
7) Chloroethane-d5	2.64	69	82867	4.02	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	80.40%		
11) 1,1-Dichloroethene-d2	3.64	63	315312	4.30	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	86.00%		
20) 2-Butanone-d5	6.59	46	354546	47.21	ug/L	-0.01
Spiked Amount 50.000	Range 40 - 130		Recovery =	94.42%		
24) Chloroform-d	7.20	84	541578	4.53	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	90.60%		
26) 1,2-Dichloroethane-d4	7.89	65	198690	4.34	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	86.80%		
32) Benzene-d6	7.85	84	1157211	5.13	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	102.60%		
36) 1,2-Dichloropropane-d6	8.90	67	312471	4.78	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	95.60%		
41) Toluene-d8	9.97	98	998055	5.04	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	100.80%		
43) trans-1,3-Dichloropropene-	10.23	79	91252	5.26	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	105.20%		
46) 2-Hexanone-d5	10.59	63	280311	50.05	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	100.10%		
57) 1,1,2,2-Tetrachloroethane-	12.36	84	123388	4.22	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	84.40%		
64) 1,2-Dichlorobenzene-d4	13.51	152	208482	4.85	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	97.00%		

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	239099	4.826 ug/L	98
3) Chloromethane	2.01	50	117358	3.995 ug/L	100
5) Vinyl chloride	2.15	62	114533	4.340 ug/L	97
6) Bromomethane	2.53	94	57572	3.707 ug/L	88
8) Chloroethane	2.66	64	67479	4.107 ug/L	94
9) Trichlorofluoromethane	2.97	101	215399m	4.995 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	121744	4.638 ug/L	99
12) 1,1-Dichloroethene	3.66	96	117748	4.491 ug/L	95
13) Acetone	3.70	43	131296	38.806 ug/L	98
14) Carbon disulfide	3.96	76	264807	4.438 ug/L	98
15) Methyl Acetate	4.19	43	27921	3.688 ug/L #	79
16) Methylene chloride	4.40	84	101471m	3.951 ug/L	
17) Methyl tert-butyl Ether	4.89	73	394164	4.613 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	310801	4.765 ug/L	95
19) 1,1-Dichloroethane	5.69	63	518921	4.638 ug/L	99
21) 2-Butanone	6.69	43	316055	40.102 ug/L	95
22) cis-1,2-Dichloroethene	6.66	96	289321	4.834 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	85546	4.439	ug/L	95
25) Chloroform	7.22	83	475100	4.420	ug/L	100
27) 1,2-Dichloroethane	7.99	62	207466	4.306	ug/L #	92
29) 1,1,1-Trichloroethane	7.42	97	364891	5.324	ug/L	98
30) Cyclohexane	7.51	56	446370	6.071	ug/L	94
31) Carbon tetrachloride	7.63	117	353962	5.838	ug/L	99
33) Benzene	7.90	78	1137493	4.898	ug/L	100
34) Trichloroethene	8.71	95	301325	5.096	ug/L	93
35) Methylcyclohexane	8.95	83	463319	5.861	ug/L	97
37) 1,2-Dichloropropane	8.99	63	245014	4.539	ug/L	99
38) Bromodichloromethane	9.28	83	257810	4.686	ug/L #	99
39) cis-1,3-Dichloropropene	9.72	75	320290	5.276	ug/L	100
40) 4-Methyl-2-pentanone	9.86	43	724460	46.307	ug/L	95
42) Toluene	10.03	91	1154862	5.113	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	228607	5.128	ug/L	93
45) 1,1,2-Trichloroethane	10.44	97	113826	4.303	ug/L	94
47) Tetrachloroethene	10.51	164	207751	5.381	ug/L	94
48) 2-Hexanone	10.63	43	473314	43.981	ug/L	99
49) Dibromochloromethane	10.78	129	130904	4.747	ug/L	99
50) 1,2-Dibromoethane	10.89	107	94298	4.401	ug/L #	97
51) Chlorobenzene	11.31	112	646461	4.701	ug/L	97
52) Ethylbenzene	11.39	91	1271884	5.252	ug/L	100
53) m,p-Xylene	11.50	106	487058	5.360	ug/L	92
54) o-Xylene	11.83	106	432616	5.527	ug/L	99
55) Styrene	11.84	104	662611	5.145	ug/L	97
56) Isopropylbenzene	12.13	105	1196254	5.771	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	106731	4.097	ug/L #	95
59) 1,2,3-Trichloropropane	12.43	75	80204	4.276	ug/L	97
61) Bromoform	12.01	173	47703	4.501	ug/L	95
62) 1,3-Dichlorobenzene	13.16	146	409881	5.375	ug/L	99
63) 1,4-Dichlorobenzene	13.24	146	396944	4.689	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	313098	4.725	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.15	75	12269	4.186	ug/L #	83
67) 1,3,5-Trichlorobenzene	14.29	180	268943	5.401	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	186655	5.453	ug/L	99
69) Naphthalene	15.00	128	240445	5.485	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	141246	5.350	ug/L	99

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