

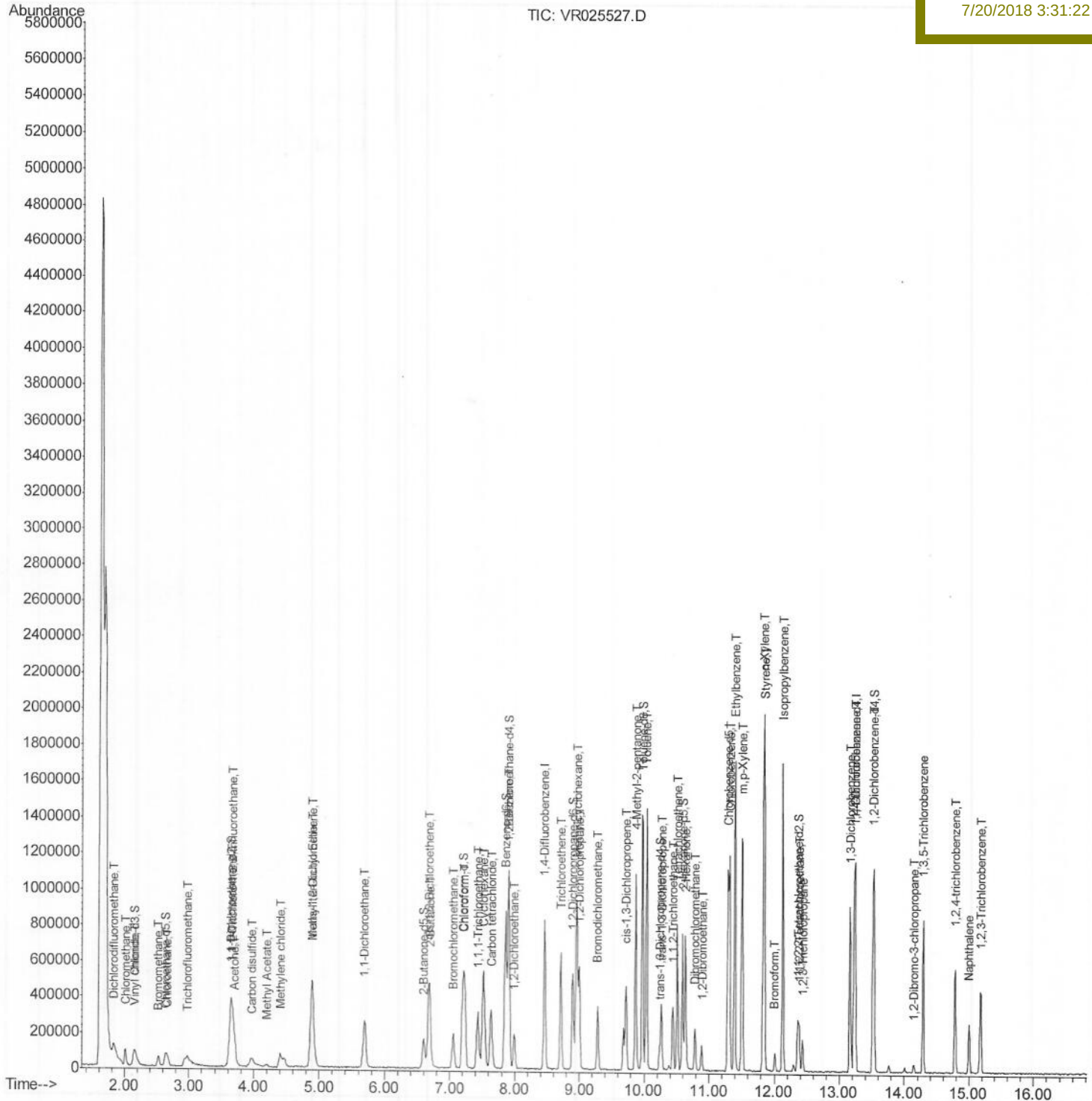
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071918\
Data File : VR025527.D
Acq On : 19 Jul 2018 18:21
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA R/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 20 02:11:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 20 01:22:24 2018
Response via : Initial Calibration

Instrument :
MSVOA_R
LabSampleId :
VSTD00599

Manual Integrations
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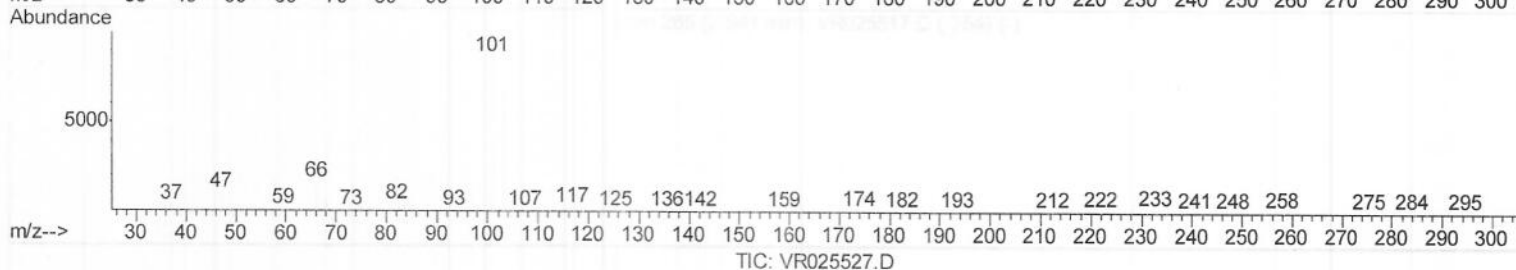
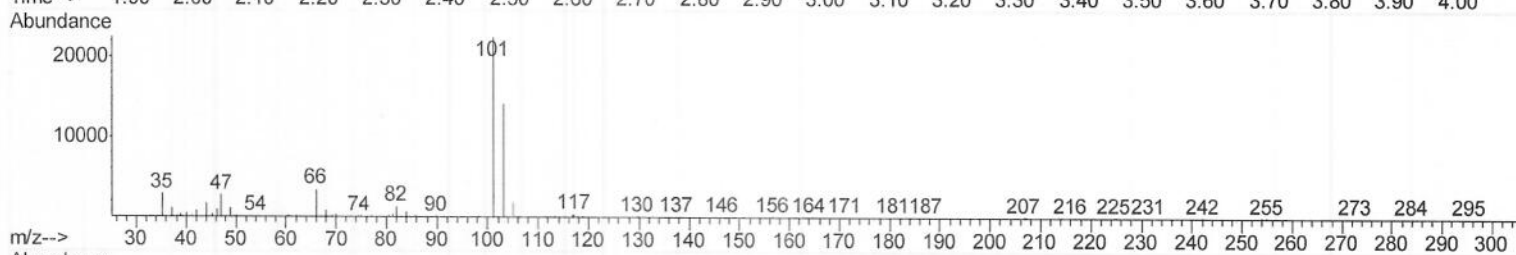
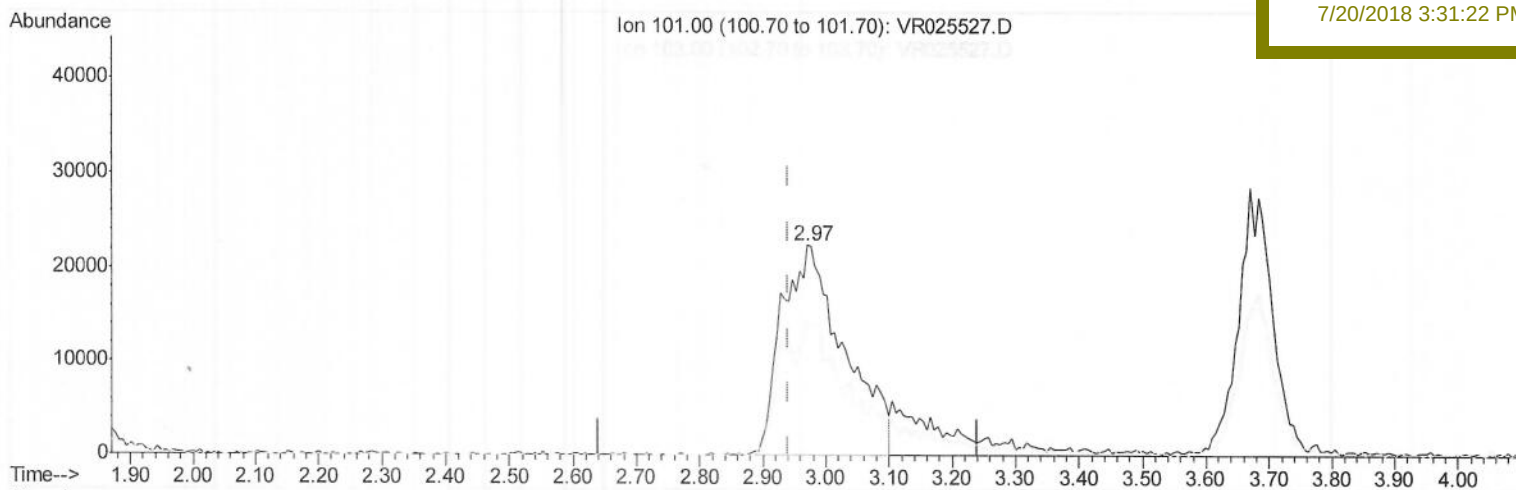
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(9) Trichlorofluoromethane (T)

2.972min (+0.030) 4.90ug/L

response 153738

Ion	Exp%	Act%
101.00	100	100
103.00	13.70	27.07#
0.00	0.00	0.00
0.00	0.00	0.00

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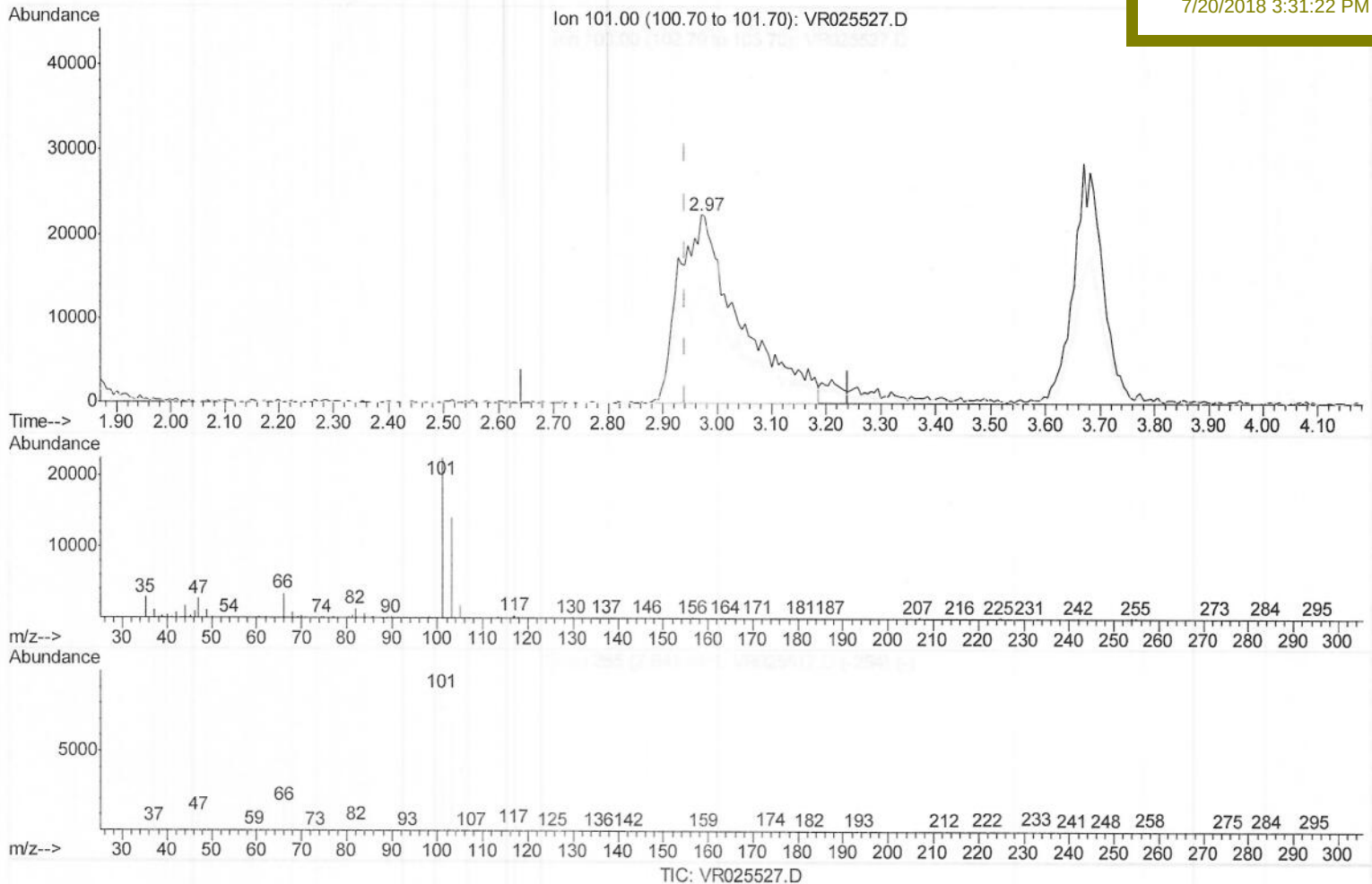
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(9) Trichlorofluoromethane (T)

2.972min (+0.030) 5.53ug/L m

response 173377

Ion	Exp%	Act%
101.00	100	100
103.00	13.70	24.00#
0.00	0.00	0.00
0.00	0.00	0.00

MD
07/23/18

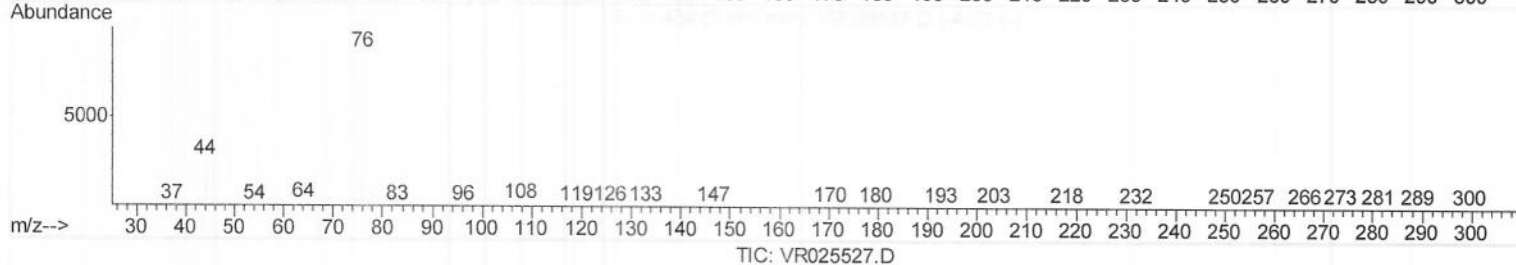
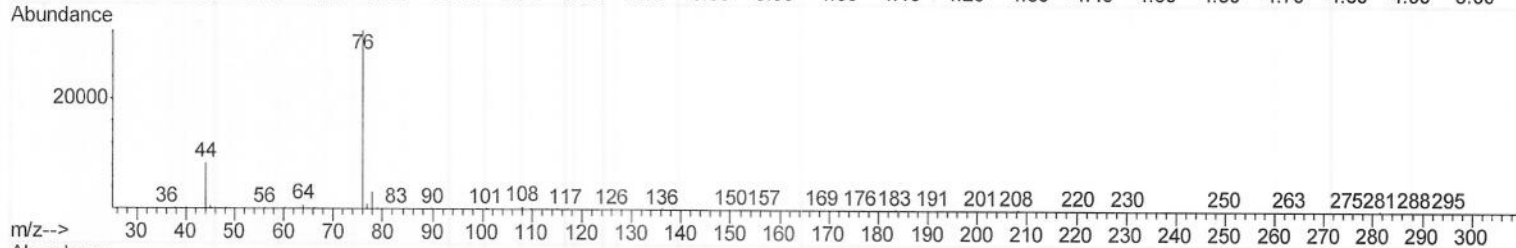
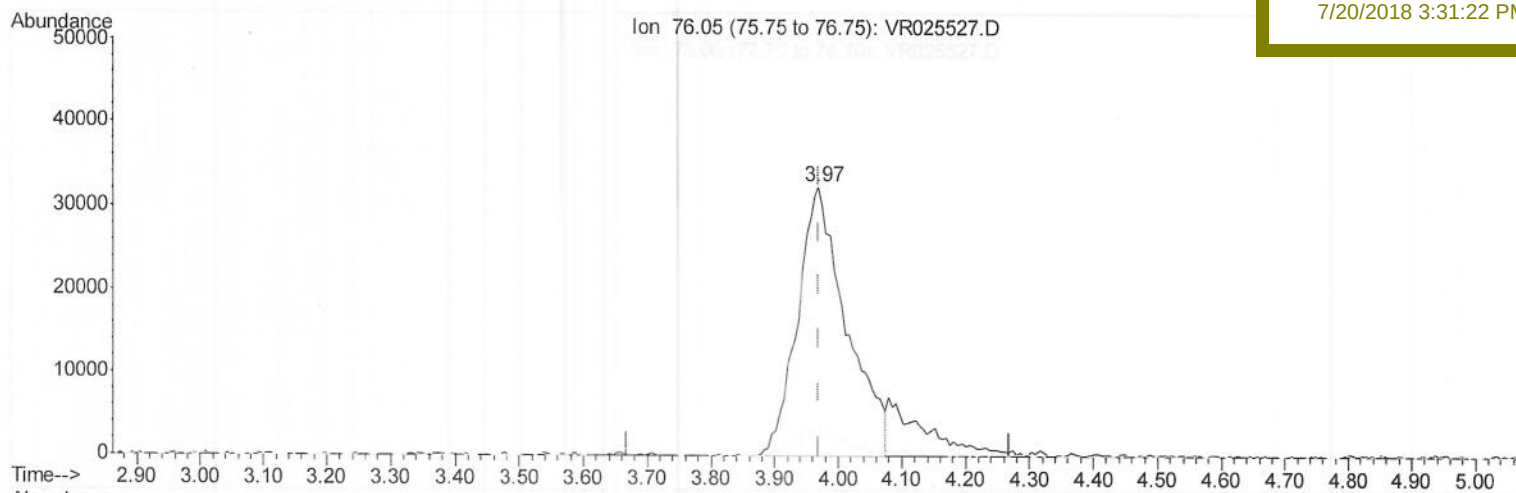
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(14) Carbon disulfide (T)

3.969min (+0.000) 3.96ug/L

response 171875

Ion	Exp%	Act%
76.05	100	100
78.00	9.30	9.44
0.00	0.00	0.00
0.00	0.00	0.00

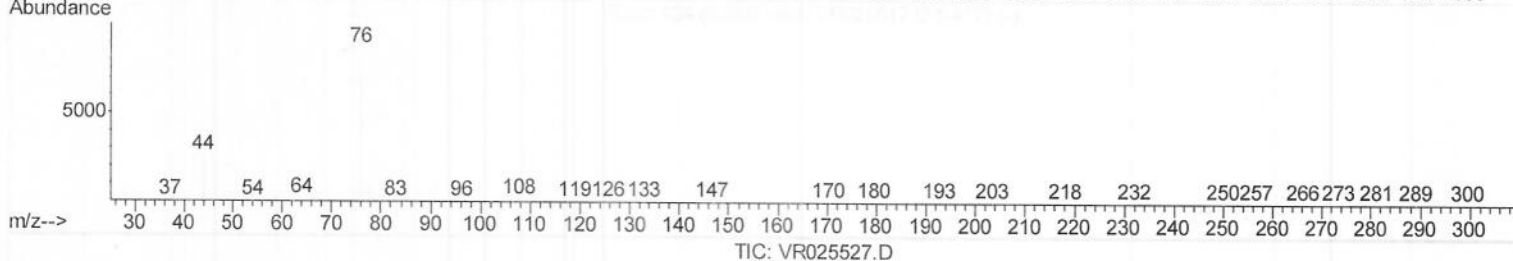
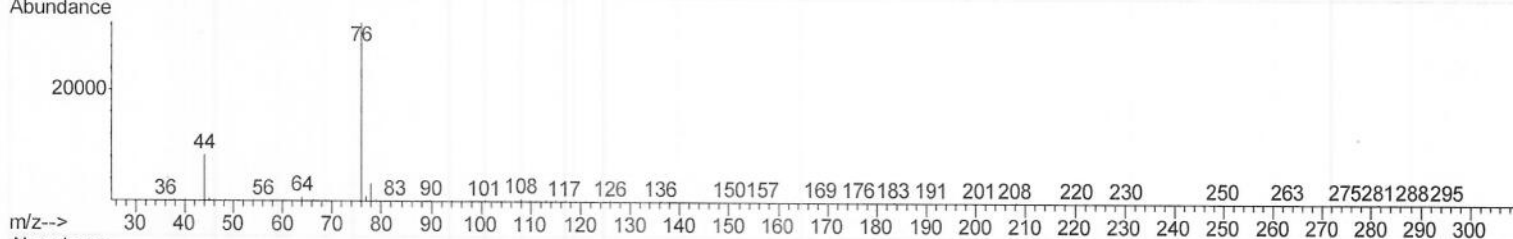
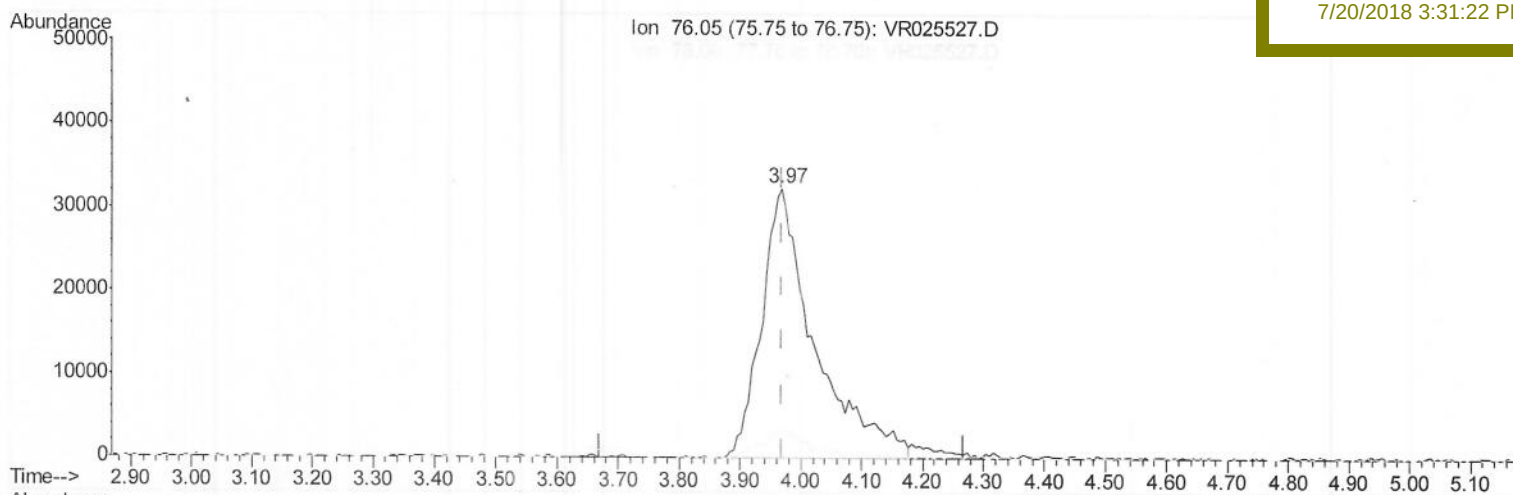
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(14) Carbon disulfide (T)

3.969min (+0.000) 4.50ug/L m) MD
response 195241 07/23/18

Ion	Exp%	Act%
76.05	100	100
78.00	9.30	9.44
0.00	0.00	0.00
0.00	0.00	0.00

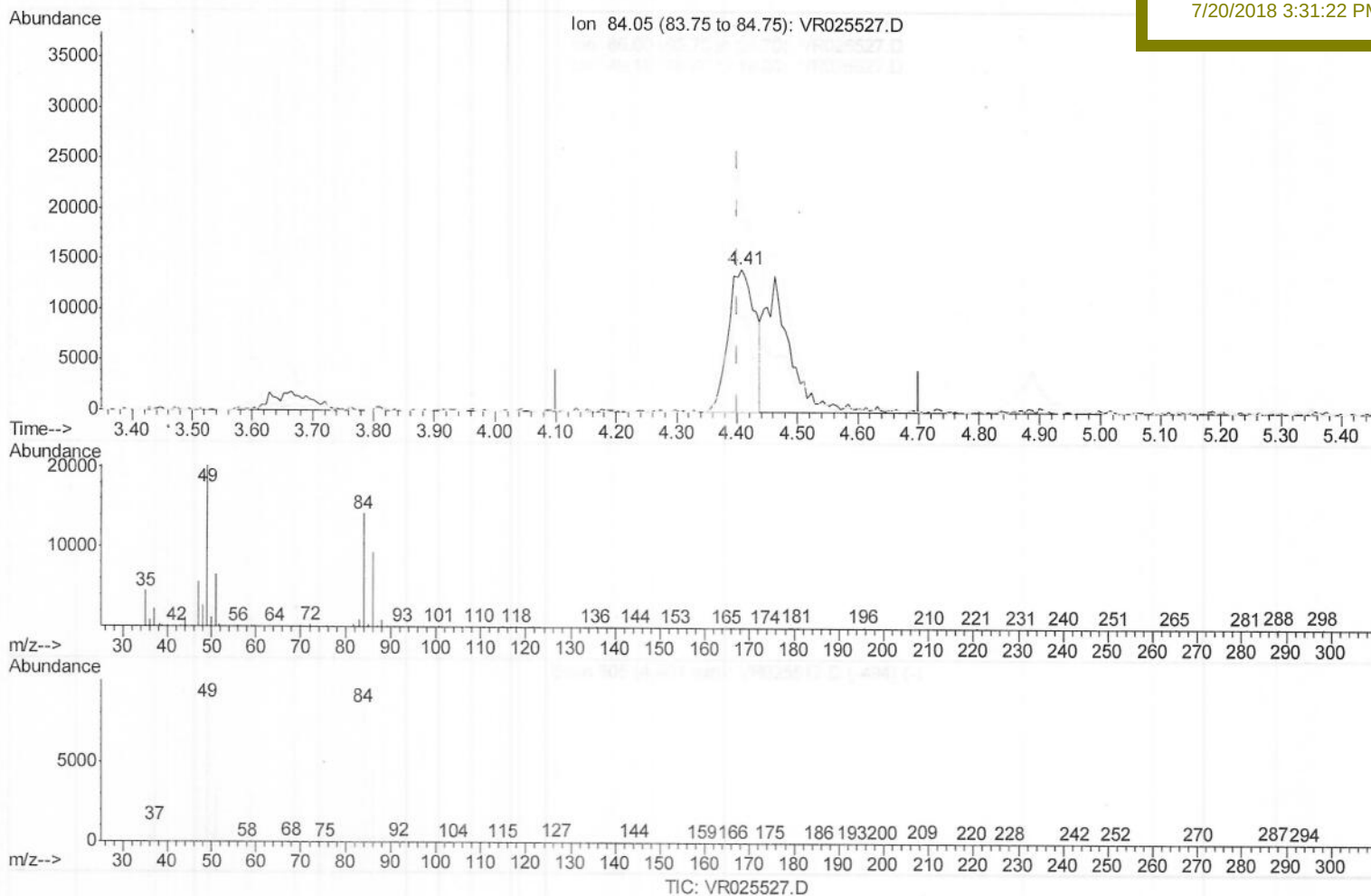
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Manual Integrations
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(16) Methylene chloride (T)

4.407min (+0.006) 2.35ug/L

response 43980

Ion	Exp%	Act%
84.05	100	100
86.00	62.40	65.08
49.10	124.60	141.90
0.00	0.00	0.00

Quantitation Report (Qedit)

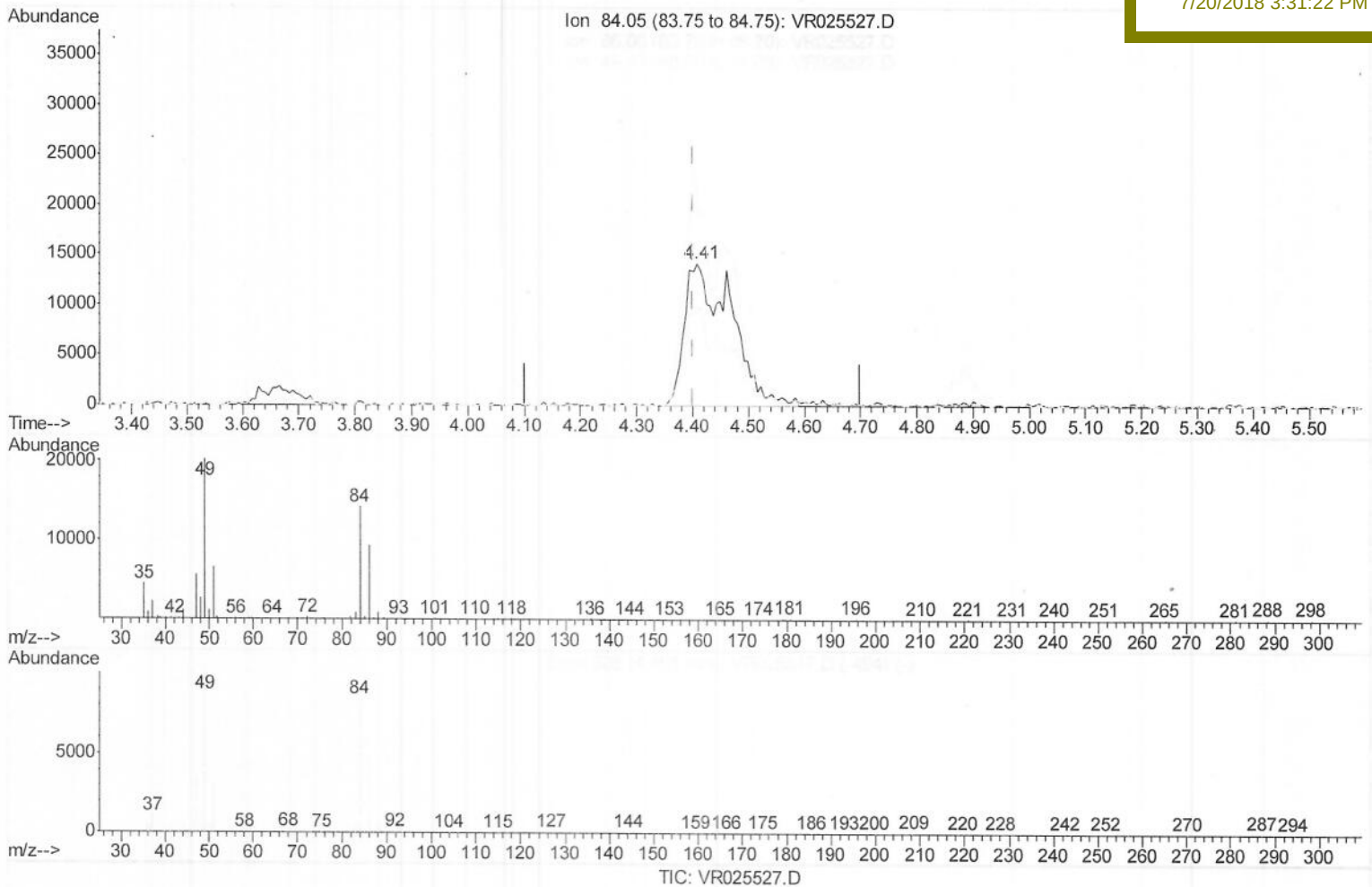
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Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 3:31:22 PM



(16) Methylene chloride (T)

4.407min (+0.006) 4.41ug/L m > $\frac{MD}{07/23/18}$

response 82318

Ion	Exp%	Act%
84.05	100	100
86.00	62.40	65.08
49.10	124.60	141.90
0.00	0.00	0.00

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	637792	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	533626	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	216970	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	100013	5.69	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	113.80%		
7) Chloroethane-d5	2.64	69	74282	4.96	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	99.20%		
11) 1,1-Dichloroethene-d2	3.63	63	277732	5.21	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	104.20%		
20) 2-Butanone-d5	6.60	46	274795	50.32	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery =	100.64%		
24) Chloroform-d	7.20	84	441813	5.08	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	101.60%		
26) 1,2-Dichloroethane-d4	7.89	65	164877	4.95	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	99.00%		
32) Benzene-d6	7.86	84	963558	5.40	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	108.00%		
36) 1,2-Dichloropropane-d6	8.90	67	258227	4.98	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	99.60%		
41) Toluene-d8	9.97	98	879881	5.61	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	112.20%		
43) trans-1,3-Dichloropropene-	10.24	79	66386	4.84	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	96.80%		
46) 2-Hexanone-d5	10.59	63	243622	54.92	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	109.84%		
57) 1,1,2,2-Tetrachloroethane-	12.36	84	118107	5.10	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	102.00%		
64) 1,2-Dichlorobenzene-d4	13.51	152	182808	5.10	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	102.00%		

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	198141	5.499 ug/L	98
3) Chloromethane	2.01	50	99848	4.674 ug/L	97
5) Vinyl chloride	2.16	62	98362	5.125 ug/L	93
6) Bromomethane	2.53	94	43906	3.888 ug/L	92
8) Chloroethane	2.66	64	53824	4.505 ug/L	97
9) Trichlorofluoromethane	2.97	101	173377m)	5.529 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	104932	5.497 ug/L	98
12) 1,1-Dichloroethene	3.65	96	95552	5.012 ug/L	90
13) Acetone	3.71	43	110146	44.765 ug/L	98
14) Carbon disulfide	3.97	76	195241m)	4.500 ug/L	
15) Methyl Acetate	4.19	43	27634	5.020 ug/L	94
16) Methylene chloride	4.41	84	82318m)	4.407 ug/L	
17) Methyl tert-butyl Ether	4.90	73	302397	4.866 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	235822	4.972 ug/L	94
19) 1,1-Dichloroethane	5.69	63	391645	4.813 ug/L	99
21) 2-Butanone	6.69	43	284510	49.640 ug/L	95
22) cis-1,2-Dichloroethene	6.68	96	234018	5.376 ug/L	91

MP
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	69411	4.953	ug/L #	92
25) Chloroform	7.23	83	387896	4.963	ug/L	99
27) 1,2-Dichloroethane	7.99	62	168921	4.821	ug/L #	94
29) 1,1,1-Trichloroethane	7.43	97	266009	4.901	ug/L	98
30) Cyclohexane	7.52	56	346610	5.953	ug/L	95
31) Carbon tetrachloride	7.63	117	264336	5.505	ug/L	97
33) Benzene	7.91	78	952225	5.177	ug/L	100
34) Trichloroethene	8.71	95	225913	4.825	ug/L	97
35) Methylcyclohexane	8.96	83	387727	6.193	ug/L	96
37) 1,2-Dichloropropane	8.99	63	207371	4.850	ug/L	100
38) Bromodichloromethane	9.28	83	216172	4.961	ug/L	98
39) cis-1,3-Dichloropropene	9.72	75	247674	5.152	ug/L	95
40) 4-Methyl-2-pentanone	9.86	43	653908	52.776	ug/L	94
42) Toluene	10.03	91	974320	5.447	ug/L	99
44) trans-1,3-Dichloropropene	10.27	75	171970	4.871	ug/L	96
45) 1,1,2-Trichloroethane	10.44	97	102908	4.912	ug/L	95
47) Tetrachloroethene	10.51	164	159400	5.213	ug/L	96
48) 2-Hexanone	10.64	43	437162	51.291	ug/L	96
49) Dibromochloromethane	10.78	129	109623	5.019	ug/L	96
50) 1,2-Dibromoethane	10.89	107	83560	4.924	ug/L #	95
51) Chlorobenzene	11.31	112	551149	5.061	ug/L	99
52) Ethylbenzene	11.39	91	1074300	5.601	ug/L	96
53) m,p-Xylene	11.50	106	397797	5.527	ug/L	93
54) o-Xylene	11.83	106	362312	5.844	ug/L	97
55) Styrene	11.85	104	580360	5.690	ug/L	93
56) Isopropylbenzene	12.13	105	980804	5.975	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.38	83	103064	4.995	ug/L	86
59) 1,2,3-Trichloropropane	12.44	75	72897	4.908	ug/L	96
61) Bromoform	12.01	173	39817	4.506	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	327479	5.151	ug/L	99
63) 1,4-Dichlorobenzene	13.24	146	345167	4.891	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	281255	5.091	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.15	75	10633	4.351	ug/L #	82
67) 1,3,5-Trichlorobenzene	14.29	180	225202	5.424	ug/L	97
68) 1,2,4-trichlorobenzene	14.79	180	144485	5.062	ug/L	99
69) Naphthalene	15.00	128	184473	5.047	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	119132	5.412	ug/L	97

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