

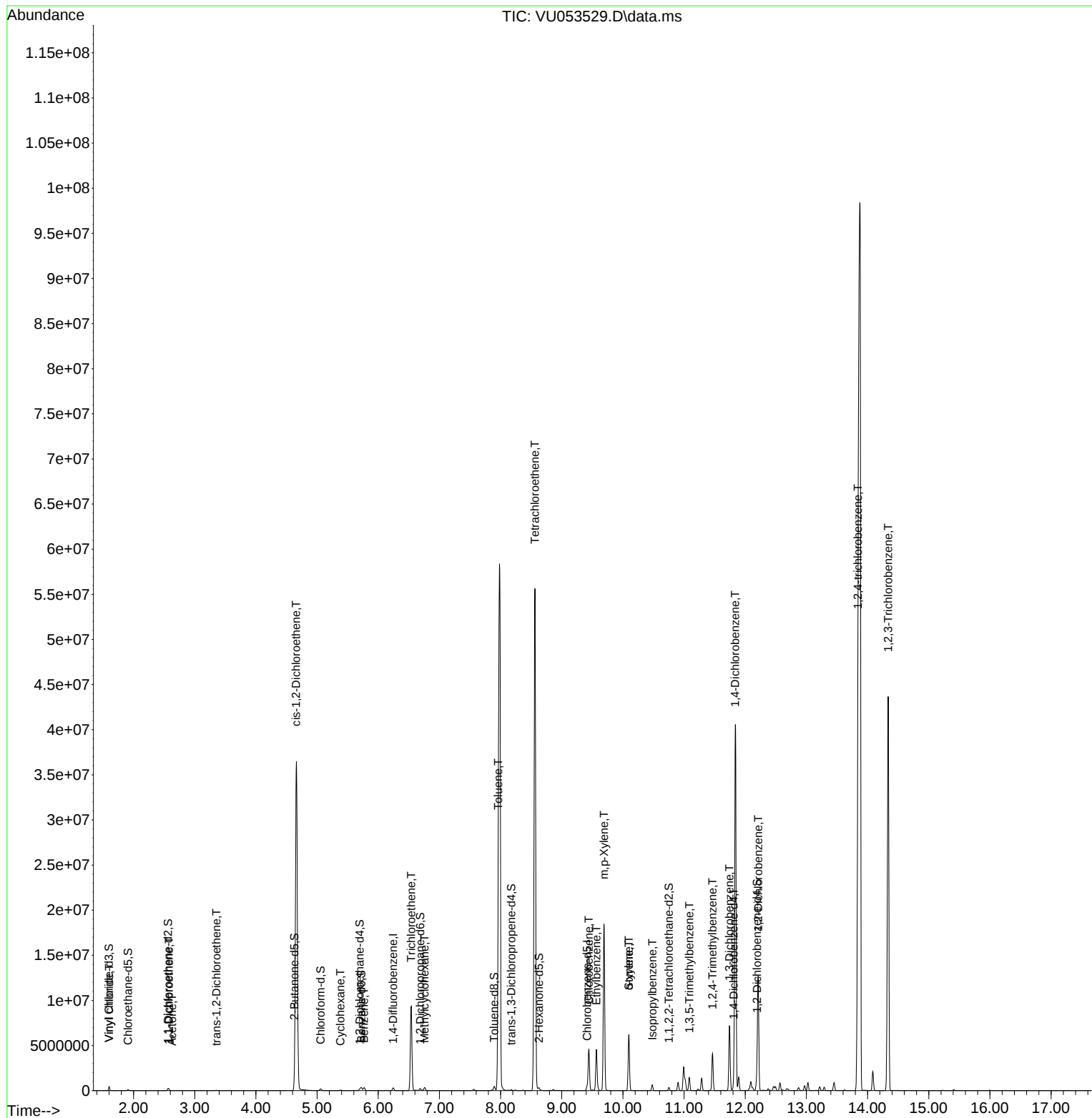
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040323\
Data File : VU053529.D
Acq On : 03 Apr 2023 18:49
Operator : JC/MD
Sample : 02158-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PMW-5(20230329)

Manual IntegrationsAPPROVED

Reviewed By :Krupa Patel 04/04/2023
Supervised By :Mahesh Dadoda 04/04/2023

Quant Time: Apr 04 05:19:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 01 04:51:17 2023
Response via : Initial Calibration



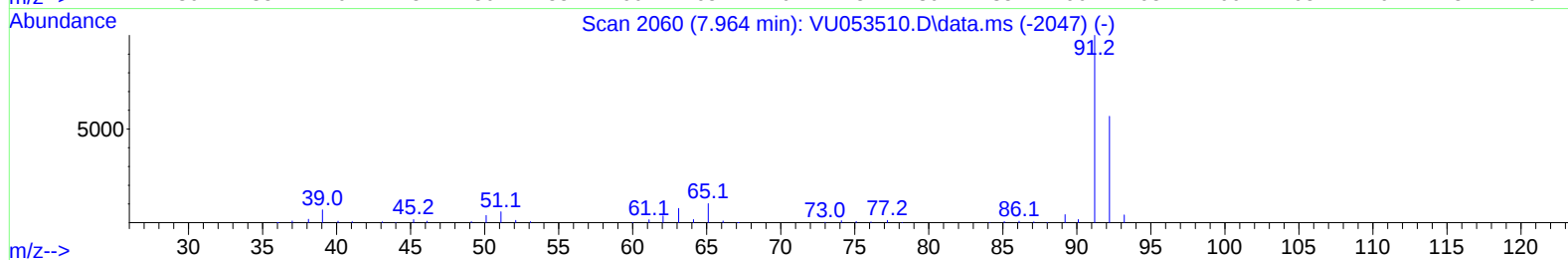
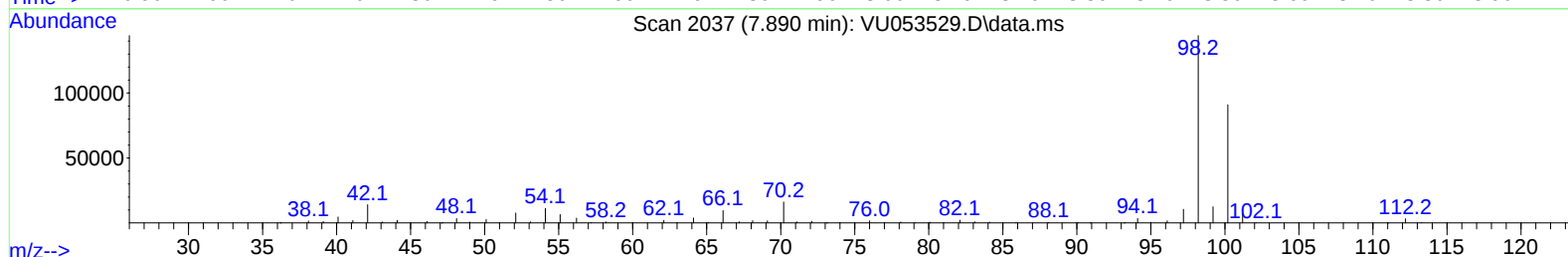
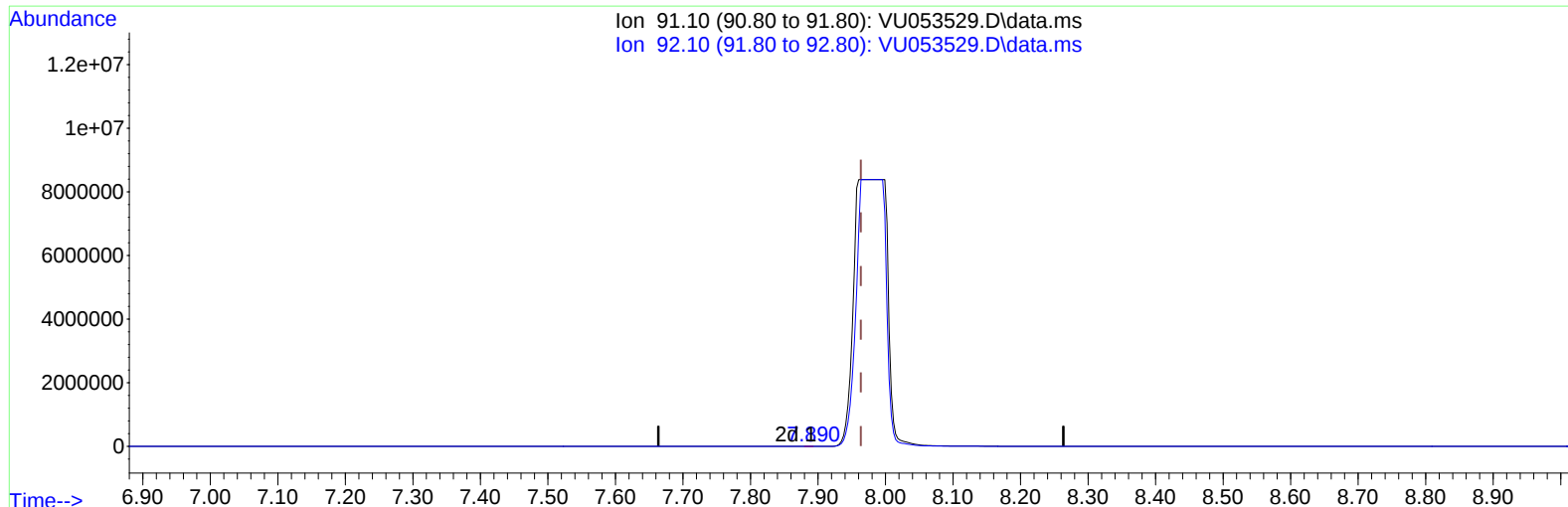
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(42) Toluene (T)

7.890min (-0.074) 0.01 ug/L

response 107

Ion	Exp%	Act%
91.10	100.00	100.00
92.10	56.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

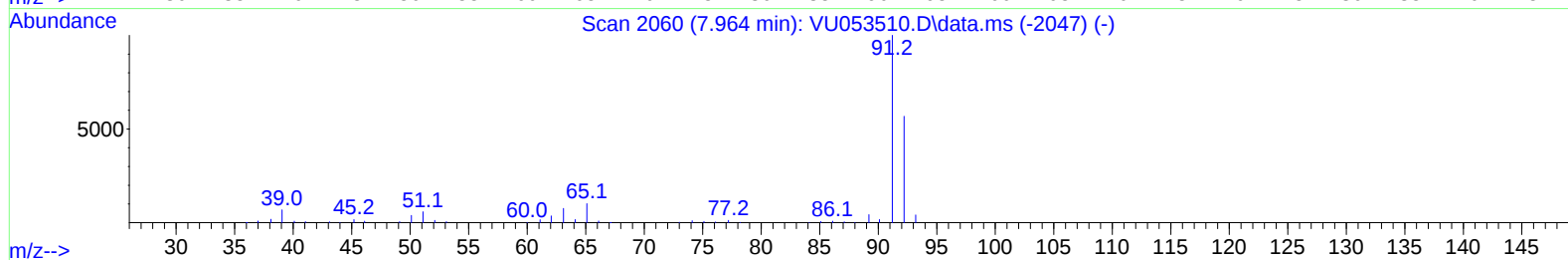
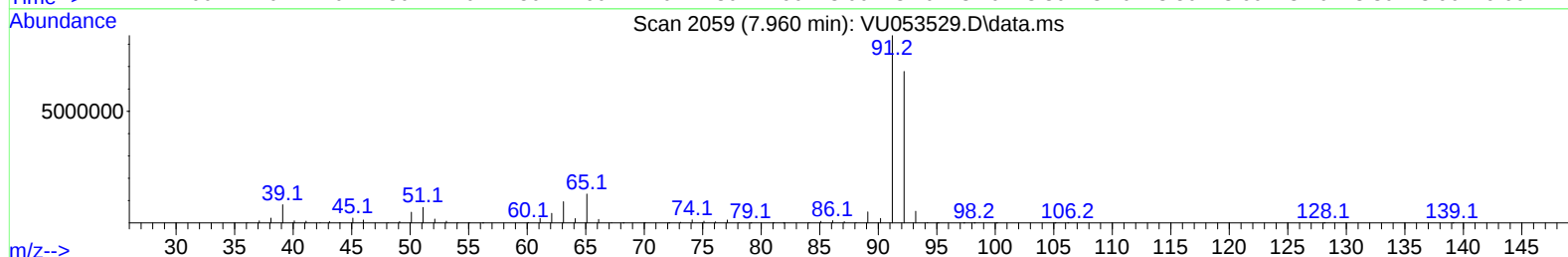
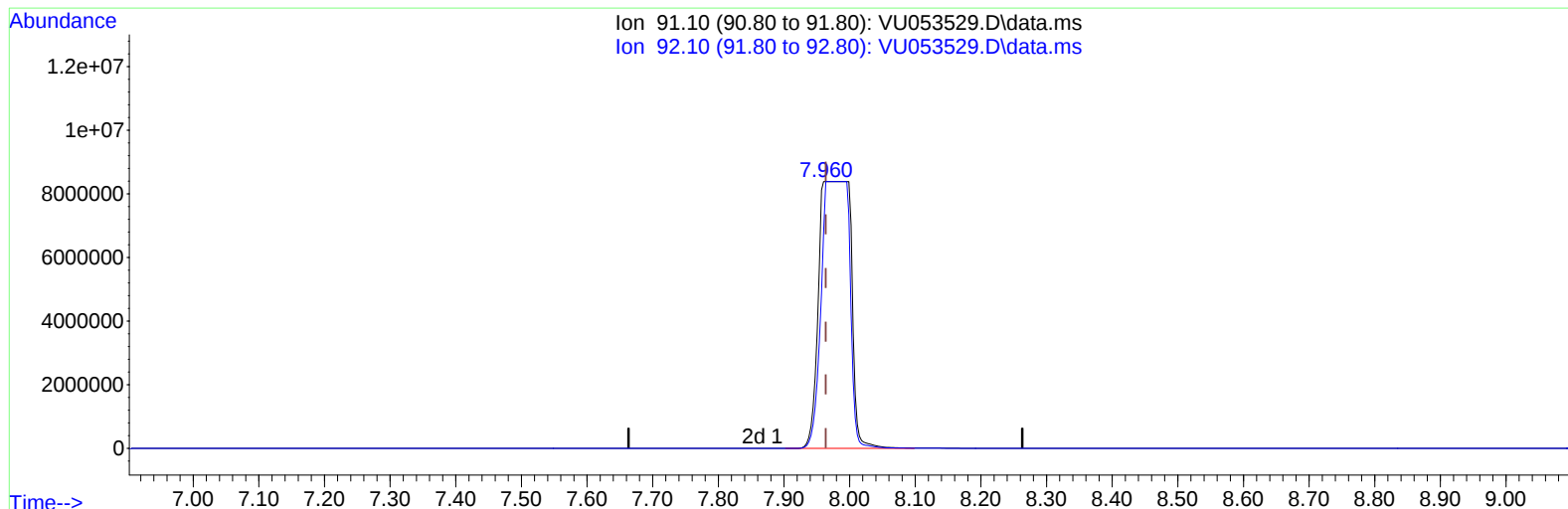
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TIC: VU053529.D\data.ms

(42) Toluene (T)

7.960min (-0.003) 3596.36 ug/L m

response 28256741

Ion	Exp%	Act%
91.10	100.00	100.00
92.10	56.80	80.86#
0.00	0.00	0.00
0.00	0.00	0.00

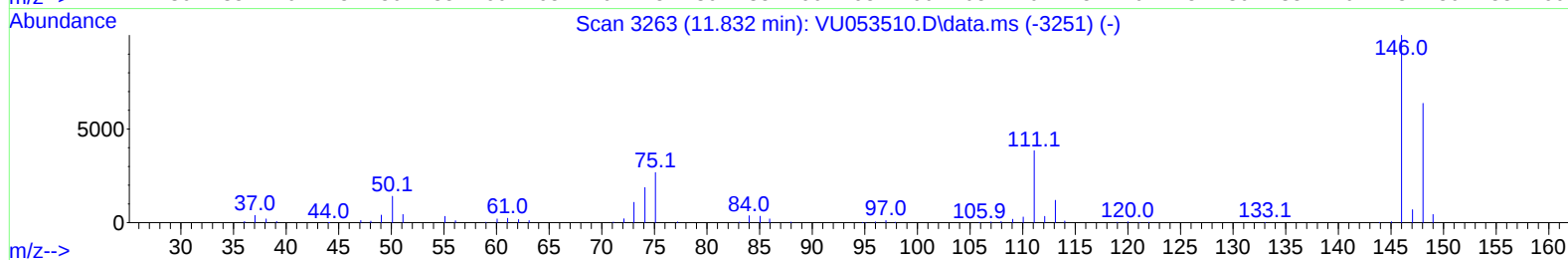
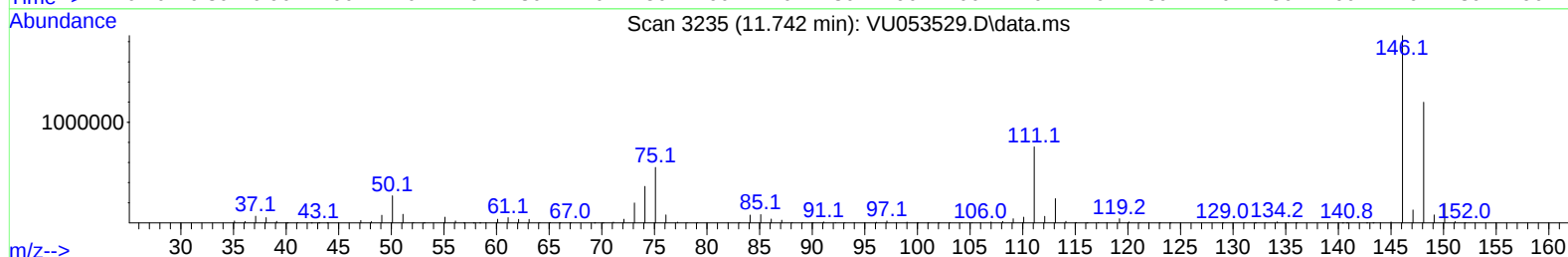
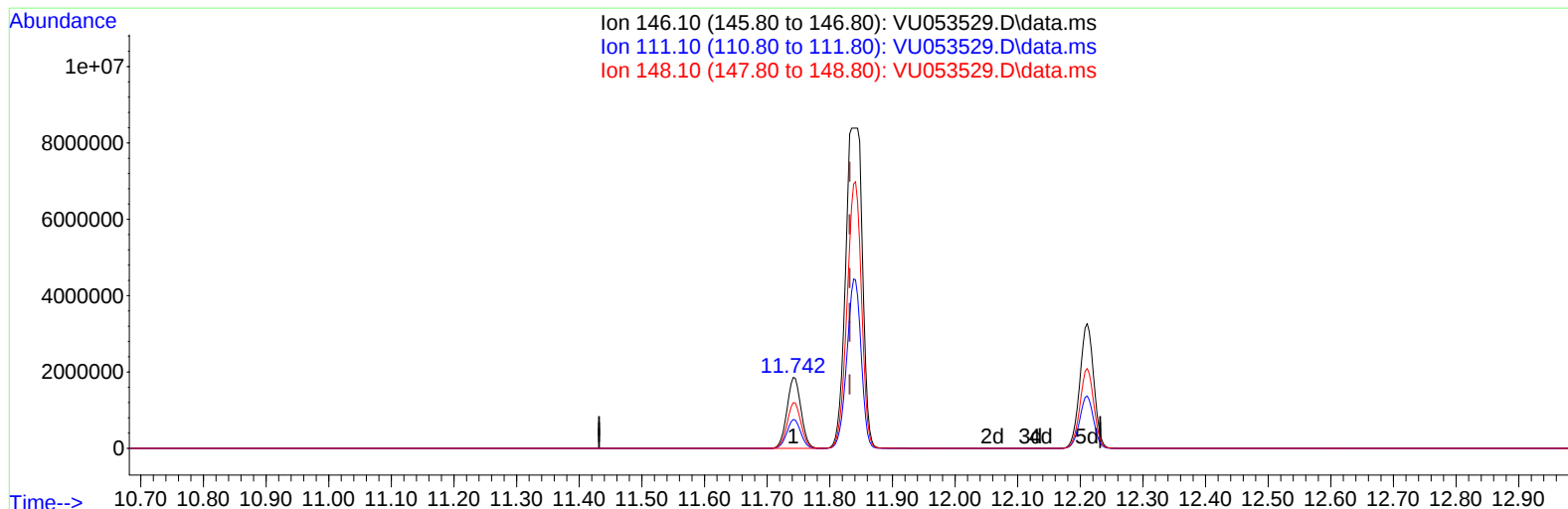
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TIC: VU053529.D\data.ms

(65) 1,4-Dichlorobenzene (T)

11.742min (-0.090) 534.00 ug/L

response 2886053

Ion	Exp%	Act%
146.10	100.00	100.00
111.10	35.80	40.59
148.10	63.30	64.42
0.00	0.00	0.00

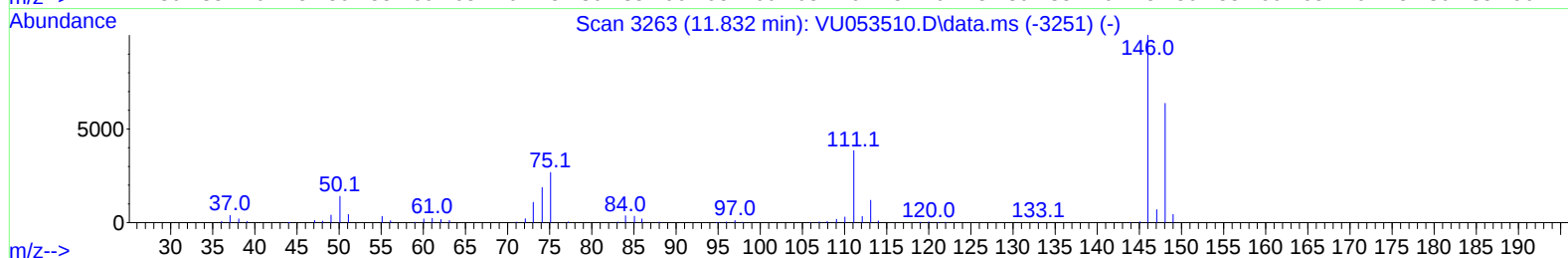
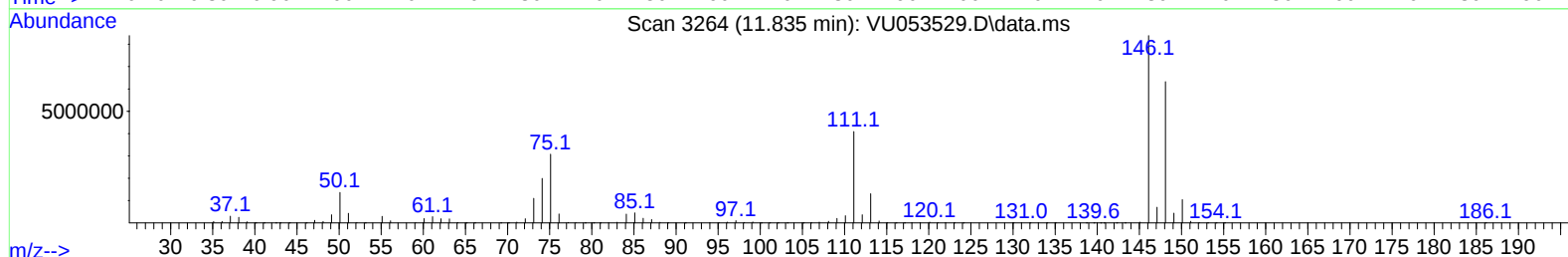
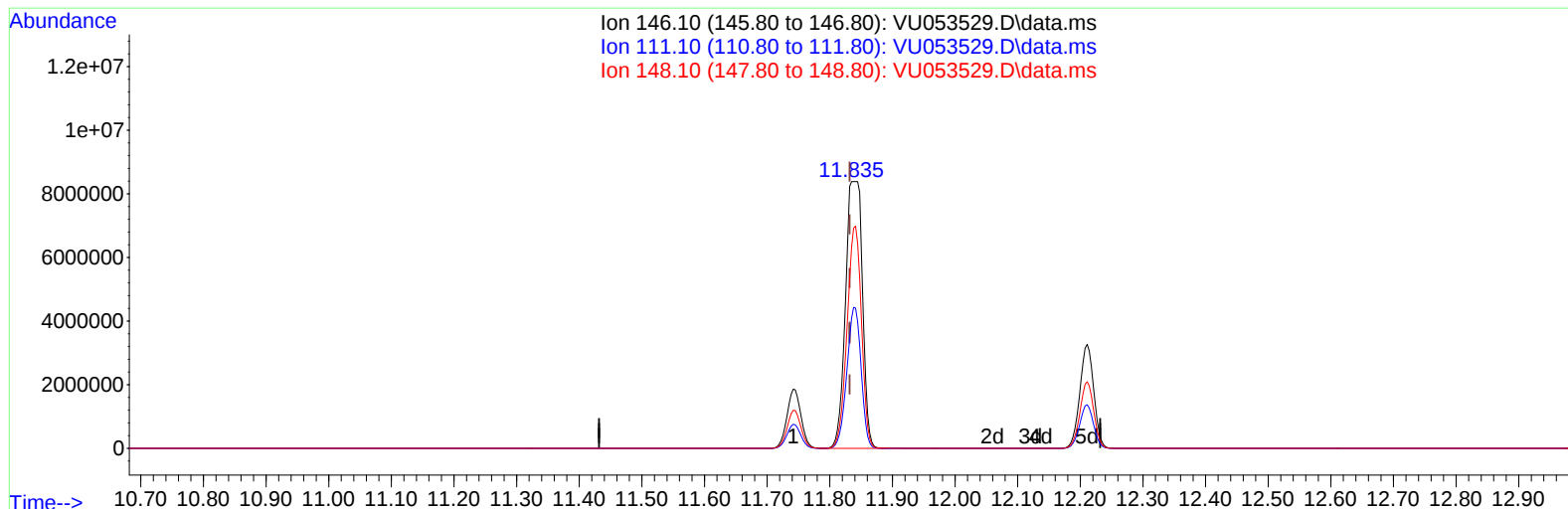
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TIC: VU053529.D\data.ms

(65) 1,4-Dichlorobenzene (T)

11.835min (+ 0.003) 2923.75 ug/L m

response 15801738

Ion	Exp%	Act%
146.10	100.00	100.00
111.10	35.80	48.79#
148.10	63.30	75.43
0.00	0.00	0.00

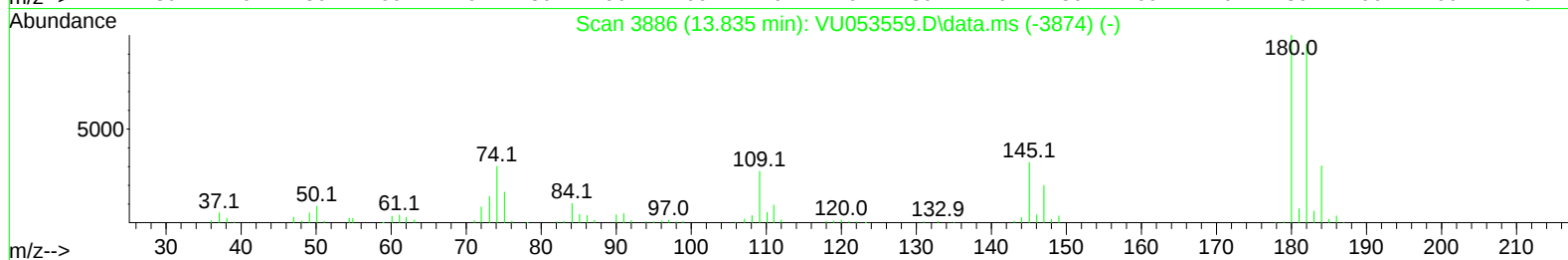
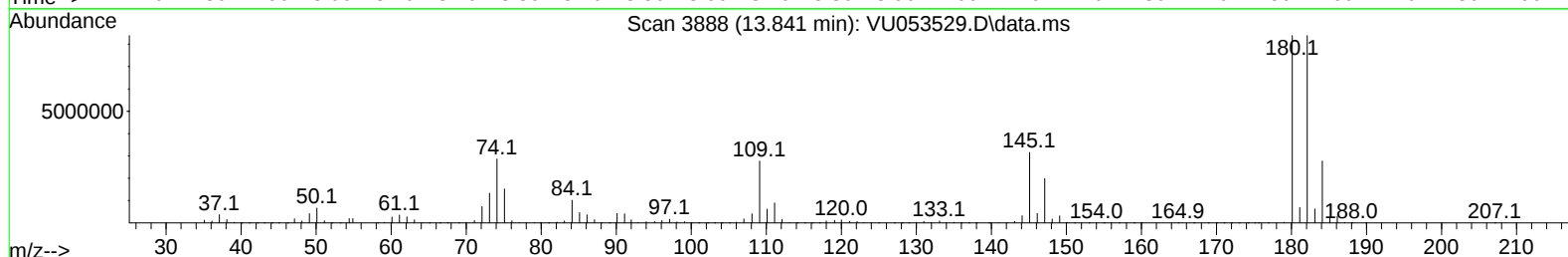
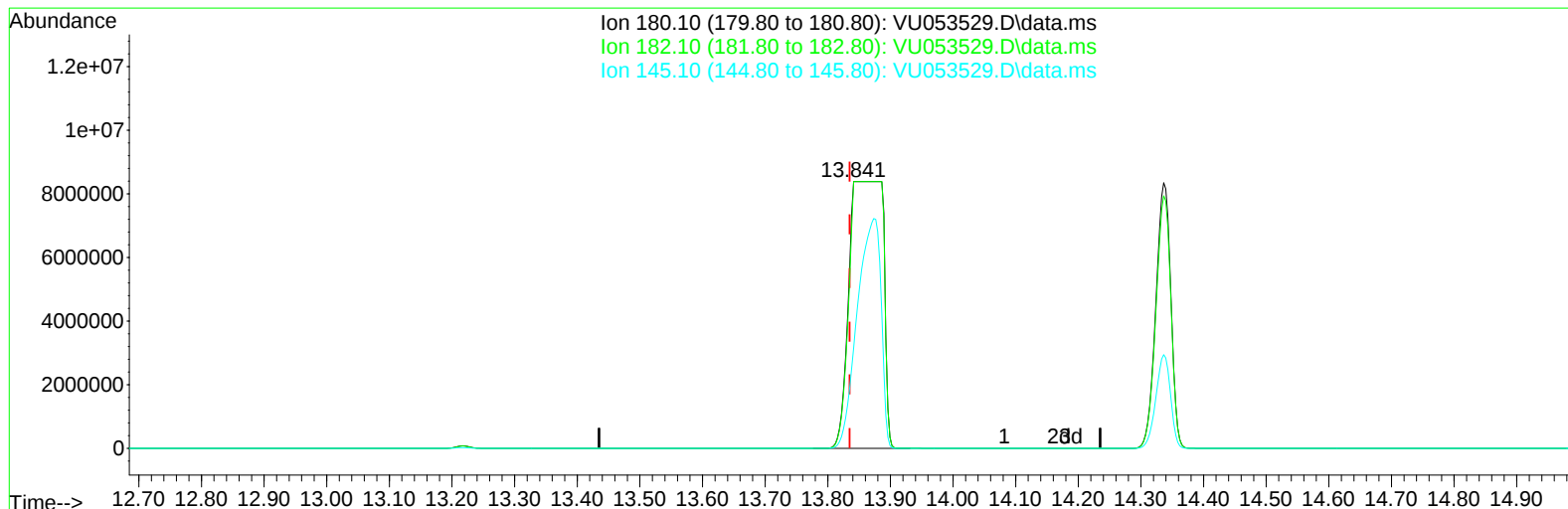
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Manual IntegrationsAPPROVED

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TIC: VU053529.D\data.ms

(70) 1,2,4-trichlorobenzene (T)

13.841min (+ 0.006) 8619.25 ug/L m

response 31380708

Ion	Exp%	Act%
180.10	100.00	100.00
182.10	94.80	0.00#
145.10	29.30	0.00#
0.00	0.00	0.00

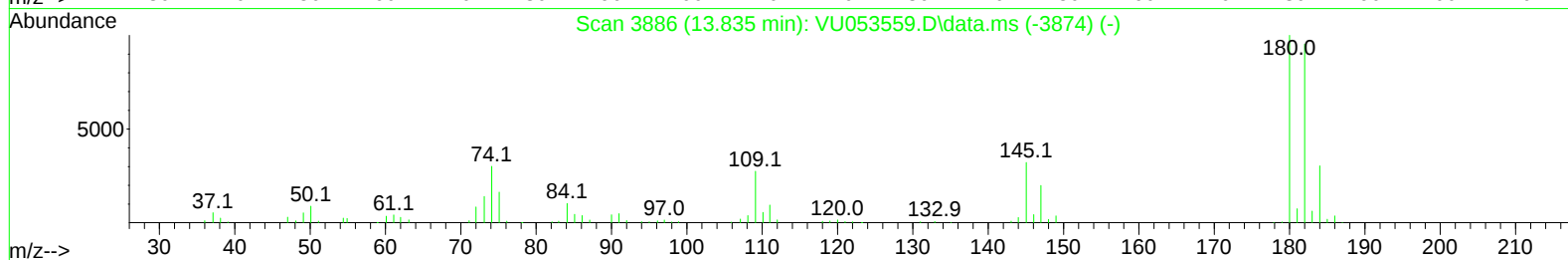
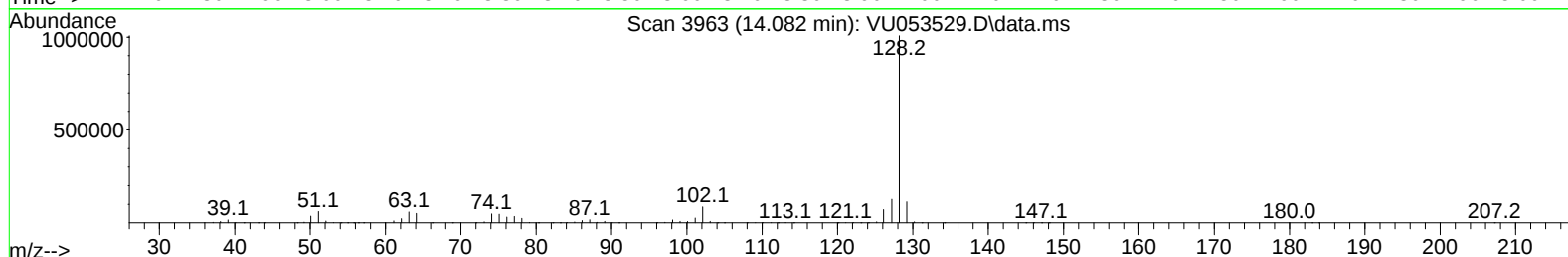
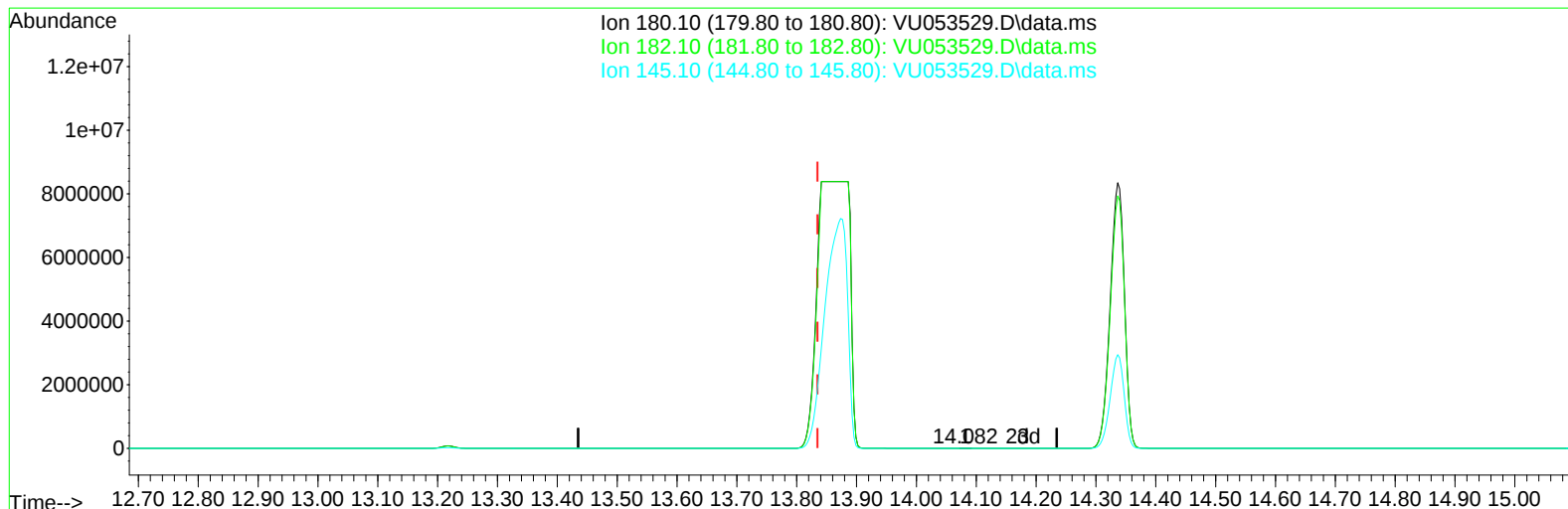
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Instrument :
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Manual IntegrationsAPPROVED

Reviewed By :Krupa Patel 04/04/2023
 Supervised By :Mahesh Dadoda 04/04/2023

Quant Time: Apr 12 04:37:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 12 02:22:37 2023
 Response via : Initial Calibration



TIC: VU053529.D\data.ms

(70) 1,2,4-trichlorobenzene (T)

14.082min (+ 0.247) 0.09 ug/L

response 311

Ion	Exp%	Act%
180.10	100.00	100.00
182.10	94.80	0.00#
145.10	29.30	29.90
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040323\
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Quant Time: Apr 04 05:19:07 2023
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 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

Reviewed By :Krupa Patel 04/04/2023
 Supervised By :Mahesh Dadoda 04/04/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	268363	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	266105	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	171651	50.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	101911	48.770	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	97.540%		
7) Chloroethane-d5	1.909	69	82561	51.243	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	102.480%		
11) 1,1-Dichloroethene-d2	2.565	63	139953	43.266	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.540%		
21) 2-Butanone-d5	4.629	46	121019	127.914	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery =	127.910%		
24) Chloroform-d	5.057	84	168565	48.776	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.560%		
26) 1,2-Dichloroethane-d4	5.697	65	106085	51.949	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.900%		
32) Benzene-d6	5.723	84	347914	48.436	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.880%		
36) 1,2-Dichloropropane-d6	6.687	67	109802	50.013	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.020%		
41) Toluene-d8	7.896	98	340352	47.674	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.340%		
43) trans-1,3-Dichloroprop...	8.176	79	56226	49.613	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	99.220%		
47) 2-Hexanone-d5	8.626	63	93964	125.404	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	125.400%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	168189	54.352	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	108.700%		
66) 1,2-Dichlorobenzene-d4	12.192	152	169764	47.381	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.760%		
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.600	62	212475	102.434	ug/L	99
12) 1,1-Dichloroethene	2.578	96	38662	23.479	ug/L #	54
13) Acetone	2.629	43	2453	2.885	ug/L	93
17) trans-1,2-Dichloroethene	3.353	96	18432	11.138	ug/L	95
20) cis-1,2-Dichloroethene	4.658	96	19094360	9989.084	ug/L	94
29) Cyclohexane	5.382	56	30419	11.874	ug/L	94
33) Benzene	5.768	78	322168	46.467	ug/L	100
34) Trichloroethene	6.539	95	3059891	1459.208	ug/L	96
35) Methylcyclohexane	6.758	83	153775	49.889	ug/L	98
42) Toluene	7.960	91	28256741m	3596.356	ug/L	
46) Tetrachloroethene	8.562	164	13042311	7495.049	ug/L	89
51) Chlorobenzene	9.443	112	2507519	463.197	ug/L	95
52) Ethylbenzene	9.568	91	3296914	376.944	ug/L	100
53) m,p-Xylene	9.690	106	5262907	1538.543	ug/L	99
54) o-xylene	10.095	106	1692191	500.345	ug/L	95
55) Styrene	10.095	104	80302	14.577	ug/L #	1
61) Isopropylbenzene	10.481	105	426448	42.021	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	808830	95.875	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	2330803	278.949	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,3-Dichlorobenzene	11.742	146	2886053	544.246	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	15801738m	2923.754	ug/L	
67) 1,2-Dichlorobenzene	12.211	146	5056945	956.832	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	31380708m	8619.251	ug/L	
72) 1,2,3-Trichlorobenzene	14.336	180	13854280	3809.832	ug/L	98

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