

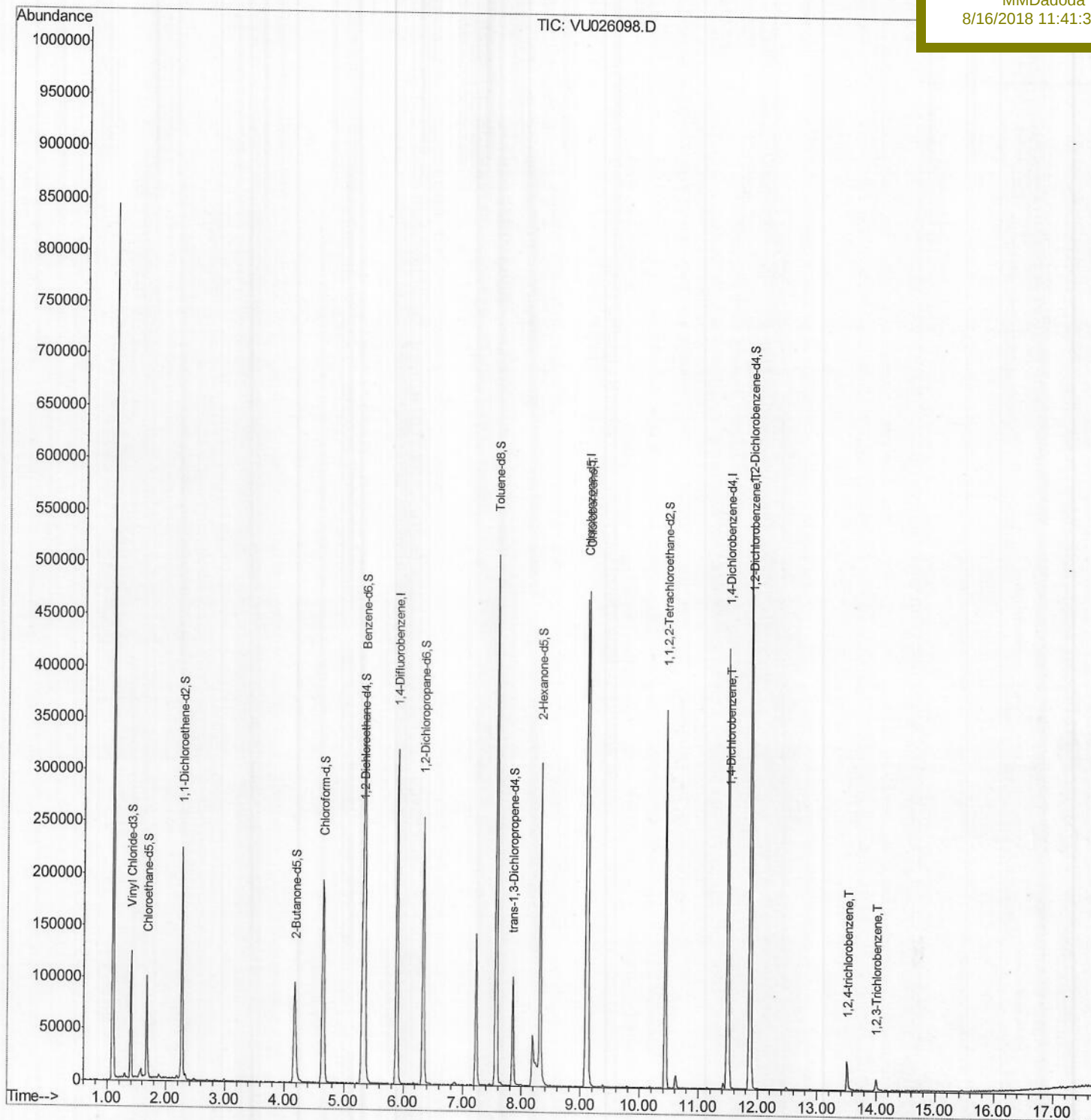
Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU081418\
Data File : VU026098.D
Acq On : 14 Aug 2018 13:52
Operator : MD/SY
Sample : J4451-02DL 200X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 15 18:43:18 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 11 00:58:27 2018
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
A4ZJ4DL

Manual Integrations
APPROVED

MMDadoda
8/16/2018 11:41:32 AM



Quantitation Report (Qedit)

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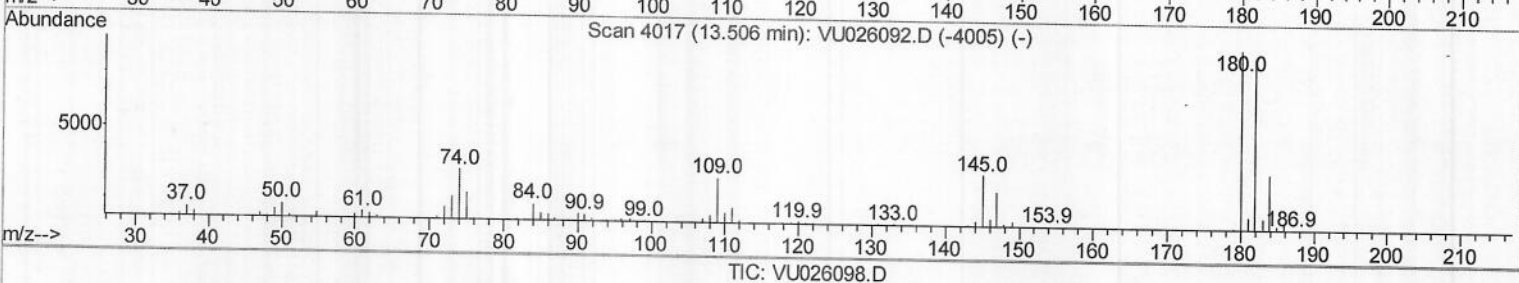
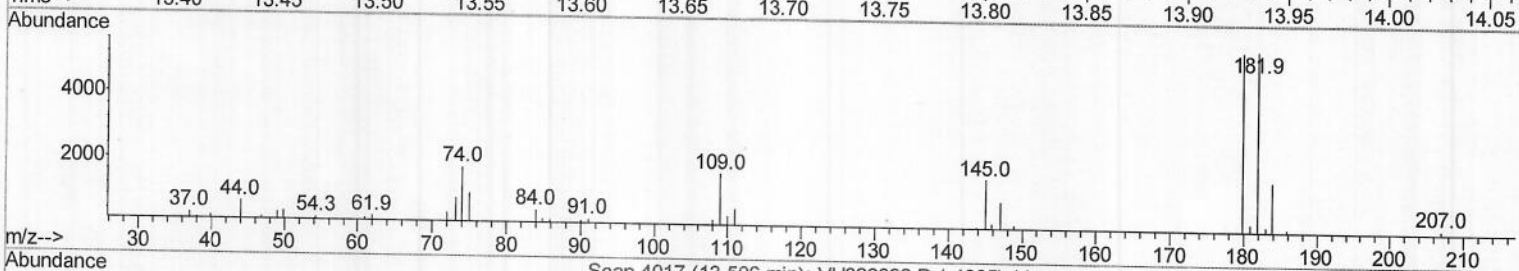
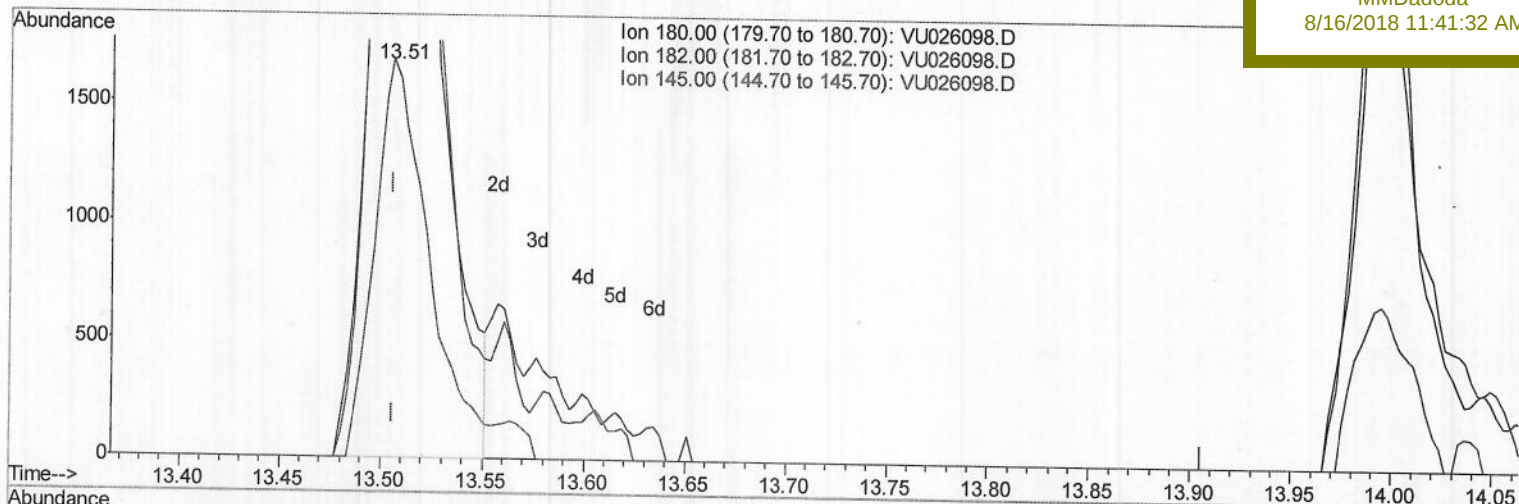
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(68) 1,2,4-trichlorobenzene (T)

13.509min (+0.003) 4.63ug/L

response 10057

Ion	Exp%	Act%
180.00	100	100
182.00	95.60	101.47
145.00	30.30	31.04
0.00	0.00	0.00

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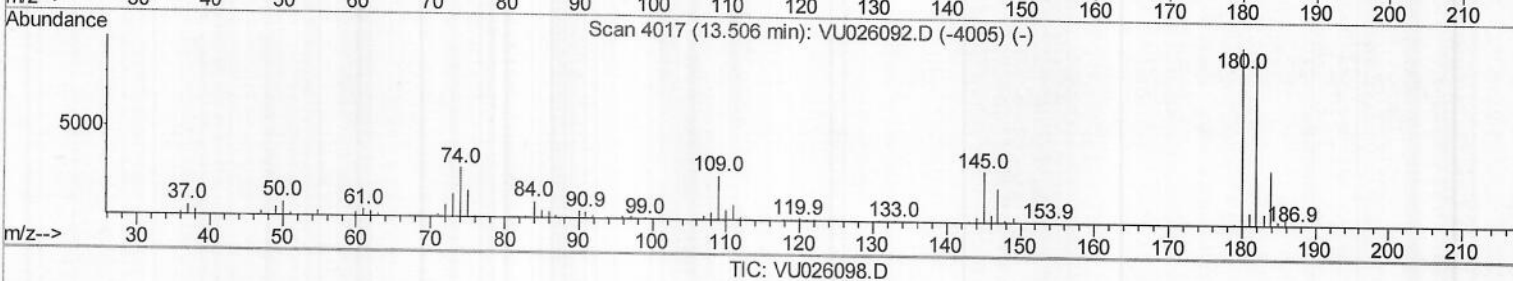
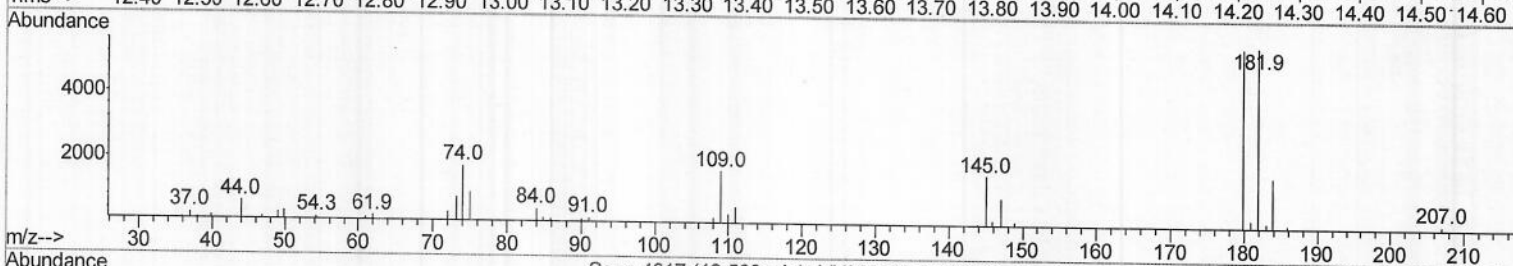
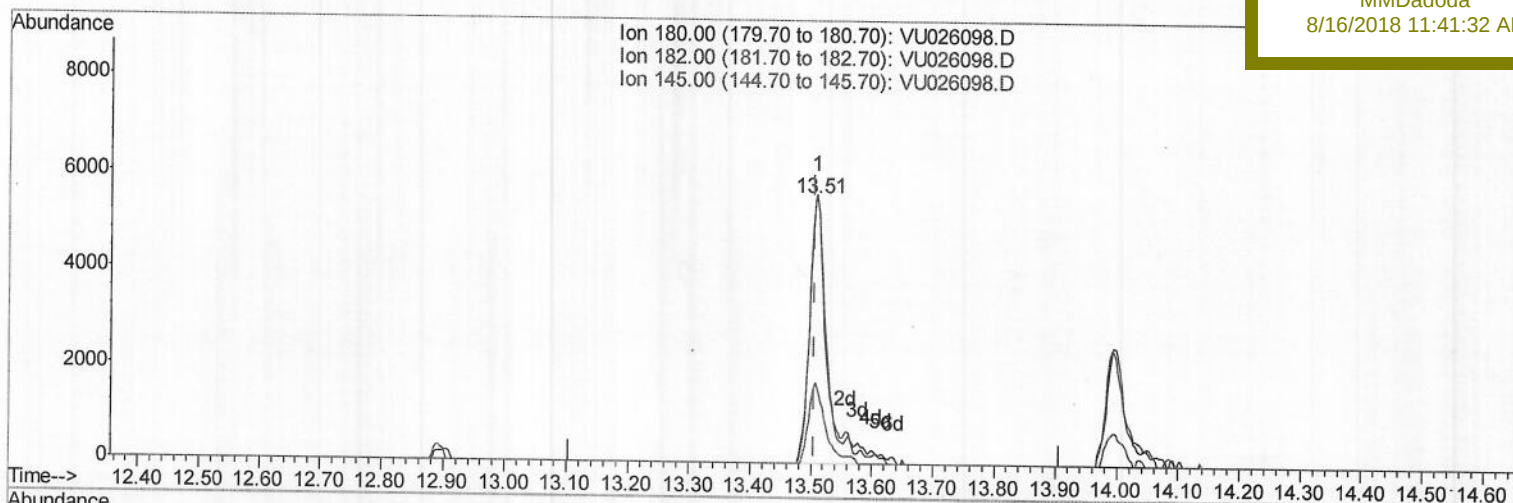
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Manual Integrations
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8/16/2018 11:41:32 AM

TIC: VU026098.D

(68) 1,2,4-trichlorobenzene (T)

13.509min (+0.003) 5.34ug/L m) MD 08/18/18

response 11591

Ion	Exp%	Act%
180.00	100	100
182.00	95.60	88.04
145.00	30.30	26.93
0.00	0.00	0.00

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Acq On : 14 Aug 2018 13:52

Operator : MD/SY

Sample : J4451-02DL 200X

Misc : 5.0mL/MSVOA U/WATER

ALS Vial : 8 Sample Multiplier: 1

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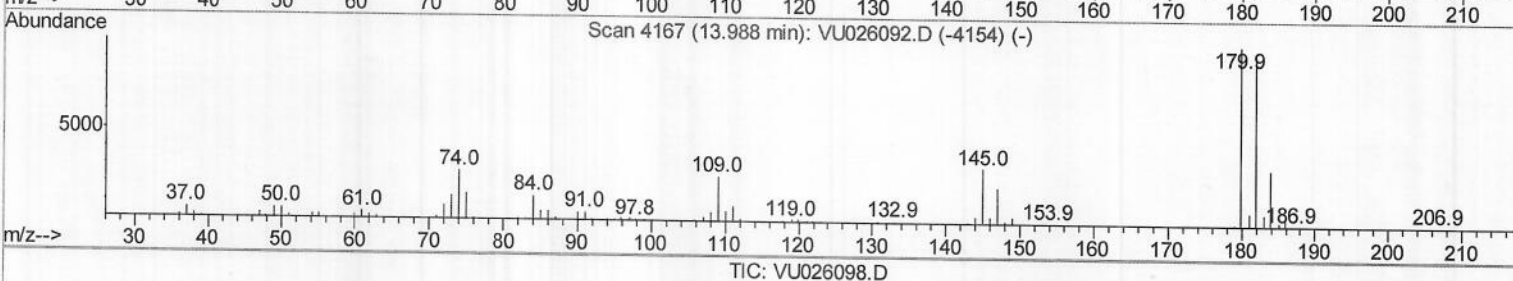
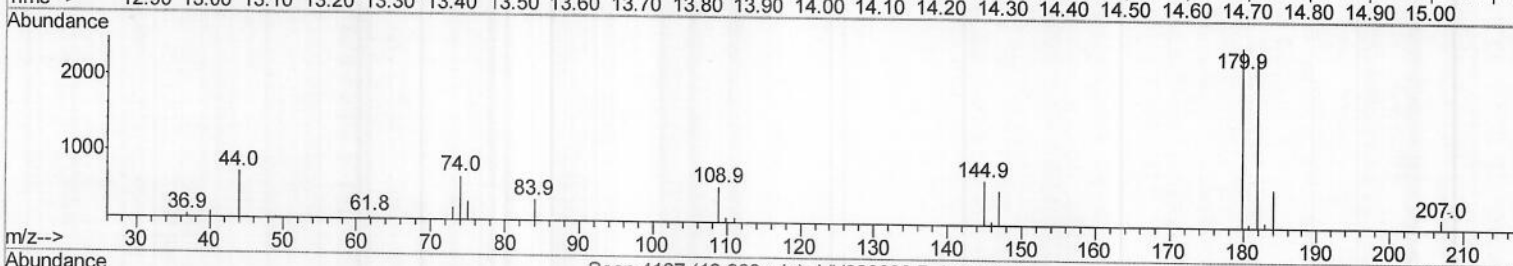
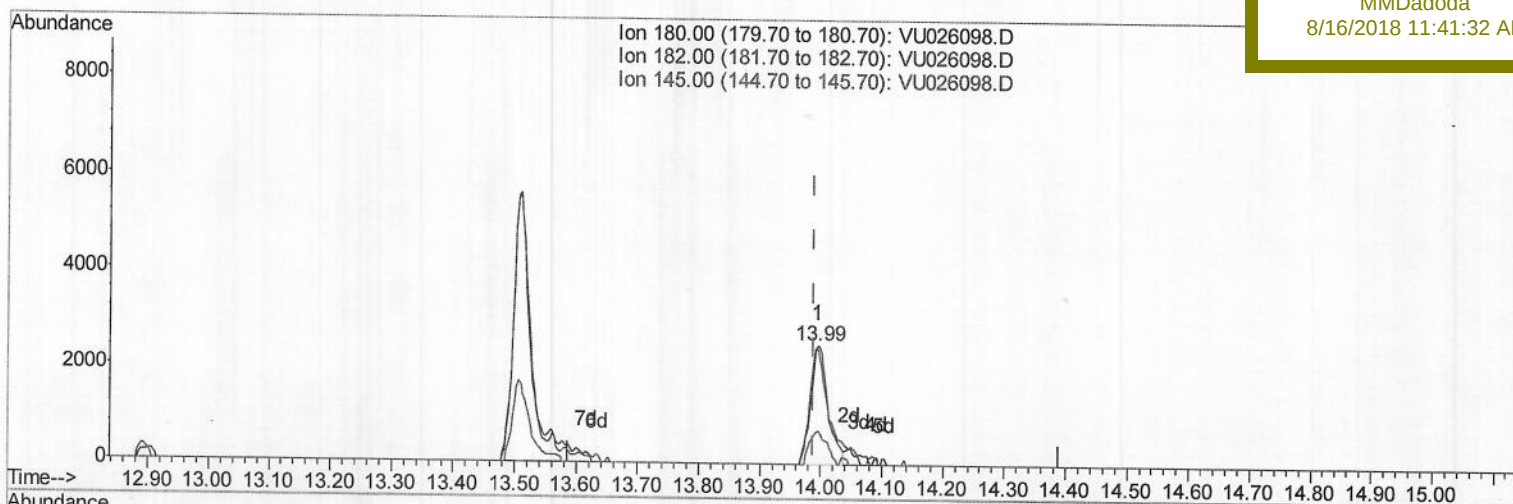
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Instrument :

MSVOA_U

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Manual Integrations
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8/16/2018 11:41:32 AM

(70) 1,2,3-Trichlorobenzene (T)

13.995min (+0.007) 2.10ug/L

response 4892

Ion	Exp%	Act%
180.00	100	100
182.00	95.60	105.31
145.00	30.90	27.82
0.00	0.00	0.00

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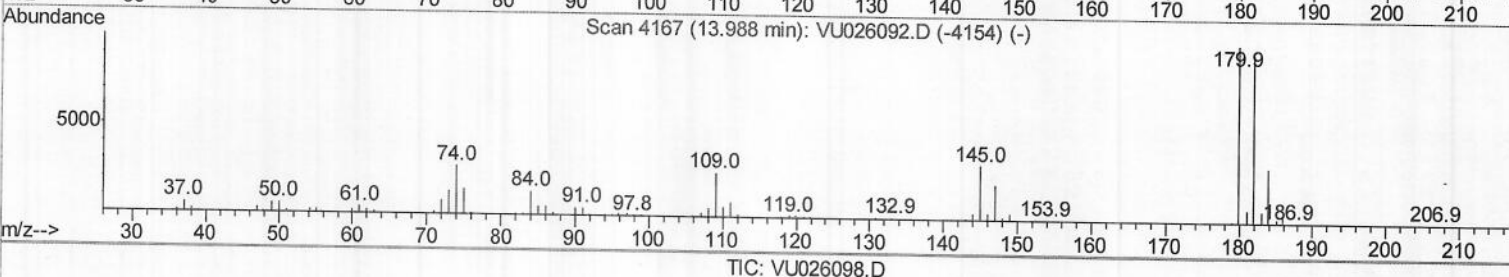
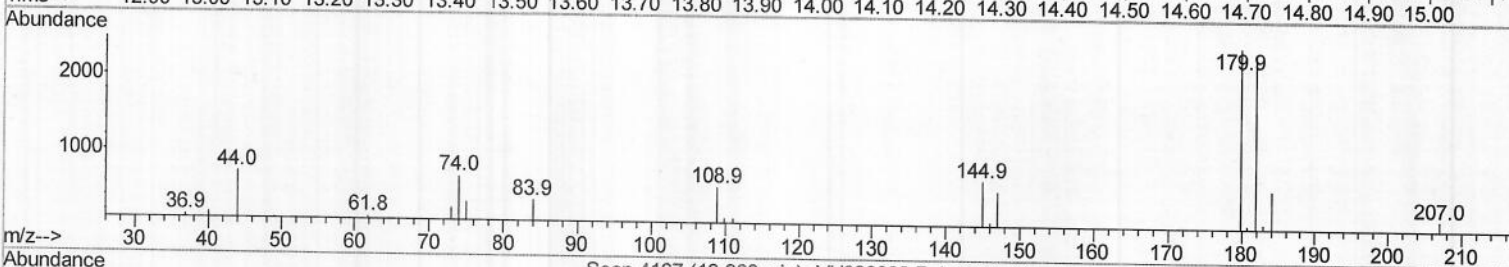
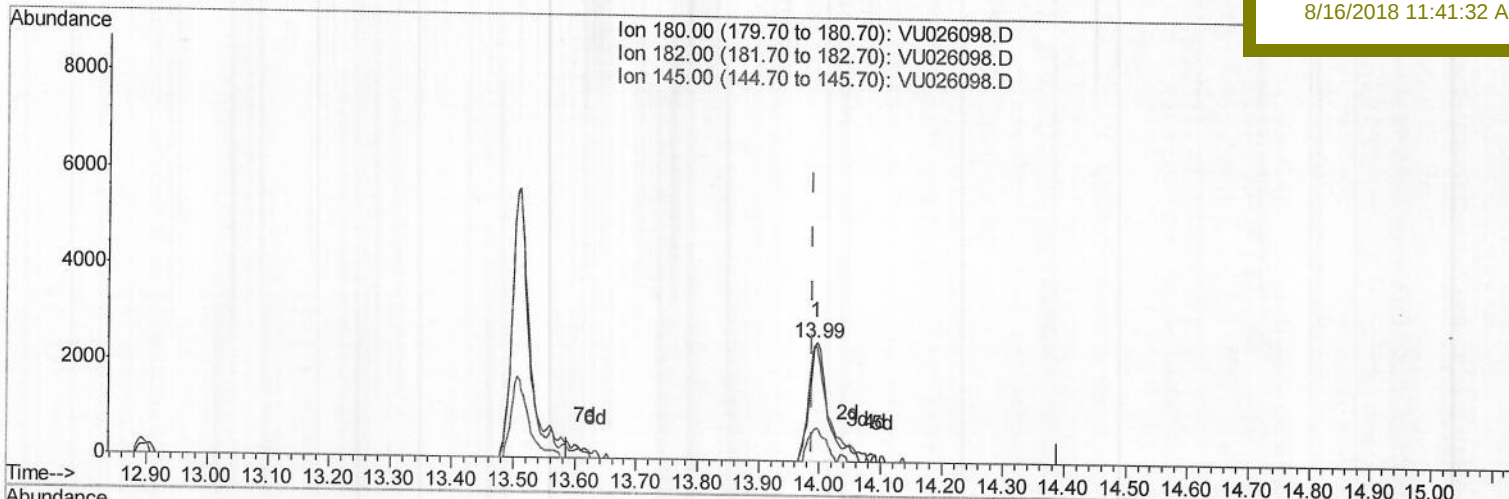
A4ZJ4DL

Manual Integrations

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8/16/2018 11:41:32 AM



(70) 1,2,3-Trichlorobenzene (T)

13.995min (+0.007) 2.34ug/L m) MD08/18/18

response 5453

Ion	Exp%	Act%
180.00	100	100
182.00	95.60	94.48
145.00	30.90	24.96
0.00	0.00	0.00

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Difluorobenzene	5.89	114	269082	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	248225	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	110379	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	79216	40.27	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	80.54%		
7) Chloroethane-d5	1.68	69	71181	45.65	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	91.30%		
11) 1,1-Dichloroethene-d2	2.27	63	124163	33.22	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	66.44%		
21) 2-Butanone-d5	4.18	46	153416	93.59	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	93.59%		
24) Chloroform-d	4.65	84	194864	46.72	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.44%		
26) 1,2-Dichloroethane-d4	5.31	65	132691	47.10	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.20%		
32) Benzene-d6	5.34	84	372864	48.37	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.74%		
36) 1,2-Dichloropropane-d6	6.33	67	122140	48.97	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.94%		
41) Toluene-d8	7.57	98	334829	45.40	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.80%		
43) trans-1,3-Dichloropropene-	7.85	79	58758	46.76	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.52%		
47) 2-Hexanone-d5	8.31	63	103719	91.56	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	91.56%		
57) 1,1,2,2-Tetrachloroethane-	10.44	84	174051	47.72	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	95.44%		
64) 1,2-Dichlorobenzene-d4	11.86	152	137251	50.44	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	100.88%		

Target Compounds

					Ovalue
51) Chlorobenzene	9.12	112	251786	49.762	ug/L 100
63) 1,4-Dichlorobenzene	11.51	146	41349	11.479	ug/L 100
65) 1,2-Dichlorobenzene	11.88	146	69700	19.056	ug/L 98
68) 1,2,4-trichlorobenzene	13.51	180	11591m)	5.337	ug/L
70) 1,2,3-Trichlorobenzene	13.99	180	5453m)	2.336	ug/L

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

MD 08/18/18